

PROJECT STATUS SUMMARY

Prepared For: City of Riviera Beach Utility District
Date: 10/26/10

Project: 96010-01 - Water Use Permit Renewal and Water Supply Facilities Work Plan

Fee Amount: \$121,689.35
Start Date: June 2, 2010
Completion Dates: Water Use Permit Issuance – February 2011
Water Supply Facilities Work Plan – April 2011

Tasks Completed:

- BFA scheduled and attended a meeting with City staff and Palm Beach County ERM on 10/19 to discuss construction and proposed operation of the Winding Waters Natural Area adjacent to the City's western well field.
- BFA scheduled and attended a meeting with City staff and the City of West Palm Beach on 10/19 to discuss current plans for West Palm Beach's wetland rehydration project, wetland sites owned by West Palm Beach south of the City's western well field, and plans to capture surface water from these sites.

Tasks in Progress:

- Completing draft versions of the Water Supply Plan report; population data and analysis, and water demands sections.
- Coordination with RSB and calibration of the EZ Guide model: Operating and Water Balance Data

Project: 96010-02 – Groundwater Flow Modeling and Wellfield Operation

Fee Amount: \$163,632.10
Start Date: August 18, 2010 (Council Approval)
Completion Date: November 2010

Tasks Completed:

- Performed initial model runs to verify model performance. Simulation includes cumulative pumping from the City and adjacent legal users at average permitted withdrawals under average dry-season recharge conditions.
- Verified individual and total well pumpage in the well package for each legal user within the model area.

Tasks in Progress:

- Model updates and additional simulation runs under required stress periods.

- Updating model for the Palm Beach County Winding Waters project site based on feedback received during our recent meeting with Palm Beach. The Winding Waters project will be modeled as a general head boundary condition using a head of 13.3 ft, which should have a positive effect on the City's Western Wellfield.
- Updating model to account for scenarios involving proposed changes to the City of West Palm Beach's wetland rehydration project.
- Examining the pumpage of each well at the City's Western wellfield, redistributing the pumpage by allocating more pumpage to the wells that are relatively farther away from the impacted wetland areas.
- Conducting field support services and coordination with City staff for the collection of current Wellfield operational and hydrogeological data for supply wells and monitoring wells (water quality, static & pumping levels, specific capacity...etc.)

Project: 96010-03 – Aerial Crossings Rehabilitation

Fee Amount: \$45,201.88
Start Date: August 18, 2010 (Council Approval)
Completion Date: December 2010 (Design Services)

Tasks Completed:

- Lead based paint testing completed by subconsultant and submitted to BFA.
- BFA submitted the final version of the Aerial Pipe Crossing Evaluation and Assessment Technical Memorandum on 10/19.

Tasks in Progress:

- Coordination with the City for preparation of Bid documents and possible utilization of a corrosion specialist for additional evaluation of crossing #20 (36-inch steel force main crossing at the M-Canal) due to its proximity to parallel high voltage electrical transmission lines and a high pressure steel gas main. Voltage induction from electrical lines or existing cathodic protection methods on the steel gas provides the potential for future corrosion of the 36-inch force main.
- BFA contacted a local painting contractor, Tom Lambert with Sun Art Painting, to discuss painting specifications and lead based paint removal specifications.

**Riviera Beach
Project Status Report – Chen and Associates
October 26, 2010**

This report provides the status and requirements for ongoing / proposed projects with the City.

General Requirements

Chen contacted the Health Department to discuss the permitting requirements for the water main offsets and relocations. When plans are finalized, a detailed meeting will take place.

137.002 Blue Heron Utility Relocation (FDOT) – 50% Complete

Tasks Completed:

- o Investigation, Utility Locates
- o 50% Existing Conditions and Conflict Plans submitted to RBUD
- o Coordination meeting with RBUD, determine offsets
- o Coordination meeting with FDOT, approve offsets

Pending Items:

- o Coordinate construction contract with Weekly (FDOT Contractor)
- o Finalize 90% plans, specs, cost estimate
- o Submit for permits

Notes

Field test 6 inch lines (RBUD)

137.003 WTP – Disinfection Evaluation – 100% Complete

Tasks Completed:

- o Final Report Submitted
- o Presentation at Council Roundtable

Tasks in Progress:

- o Awaiting further instructions

Notes:

137.004 Haverhill and Dyer Road Utility Relocation (County) – 50% Complete

Tasks Completed:

- o Investigation, Utility Locates
- o 50% Existing Conditions and Conflict Plans submitted to RBUD
- o Coordination meeting with RBUD, determine offsets
- o Coordination meeting with County (Sept 29), approve offsets

Pending Items:

- o Await response from County / Metric on design adjustments

Notes:

137.005 US1 Silverbeach (FDOT) – 12th

Tasks Completed:

- o Coordination meetings with FDOT Engineer.
- o Base Plans set up in CAD with Utilities
- o Review of GIS from RBUD, preliminary cost estimate for utility relocation.

Pending Items:

- o Conceptual Water Line Layout (Nov 1)
- o Determine requirement for additional utility locates.

Notes:

Chen requested test hole locations from FDOT consultant to determine if more are necessary.

137.006 Secondary Disinfection System Update at Repump Stations – 25% Complete

Tasks Completed:

- o Requested information from RBUD.
- o Coordination meeting with RBUD.
- o Site Visit.
- o Interview with RBUD staff.
- o Provided water sampling schedule.

Pending Items:

- o RBUD to perform water quality sampling and provide results to Chen and Associates.
- o RBUD to provide site plans for re-pump stations.

Notes:

137.007 MLK Road Widening – Project 50% Complete (Nov 2)

Tasks Completed:

- o A Sunshine 1 design ticket call.
- o 50% Existing Conditions and Conflict Plans.
- o Propane Tank Cost to Cure estimate.

Pending Items:

- o Verify if additional test holes need to be performed.
- o Determine utility relocate alternatives with RBUD.
- o FDOT Submittal (Utility Work Schedule, Utility Agreements, Marked Plans)

Notes:

137.008 Blue Heron Congress – Proposal

Tasks Completed:

- o Proposal Submitted
- o Collected digital plans
- o Coordination meeting with RBUD / County

Pending Items:

- o Coordinate design adjustments with County

Notes: