

Board of Commissioners Update Meeting

Water Supply Expansion
Tuesday January 17, 2012

Agenda

- Review of Project Scope
- Review of Activities to Date
- Review of Schedule
- Discussion/action on Pending Decisions
- Activities Going Forward

Project Scope

- Develop Castle Hayne Aquifer Source to Displace Cretaceous Aquifer
- New Nanofiltration Water Treatment Plant
- Concentrate Dispersal to Neuse River
- Raw Water Transmission System
- Finished Water System Connections

Activities To Date

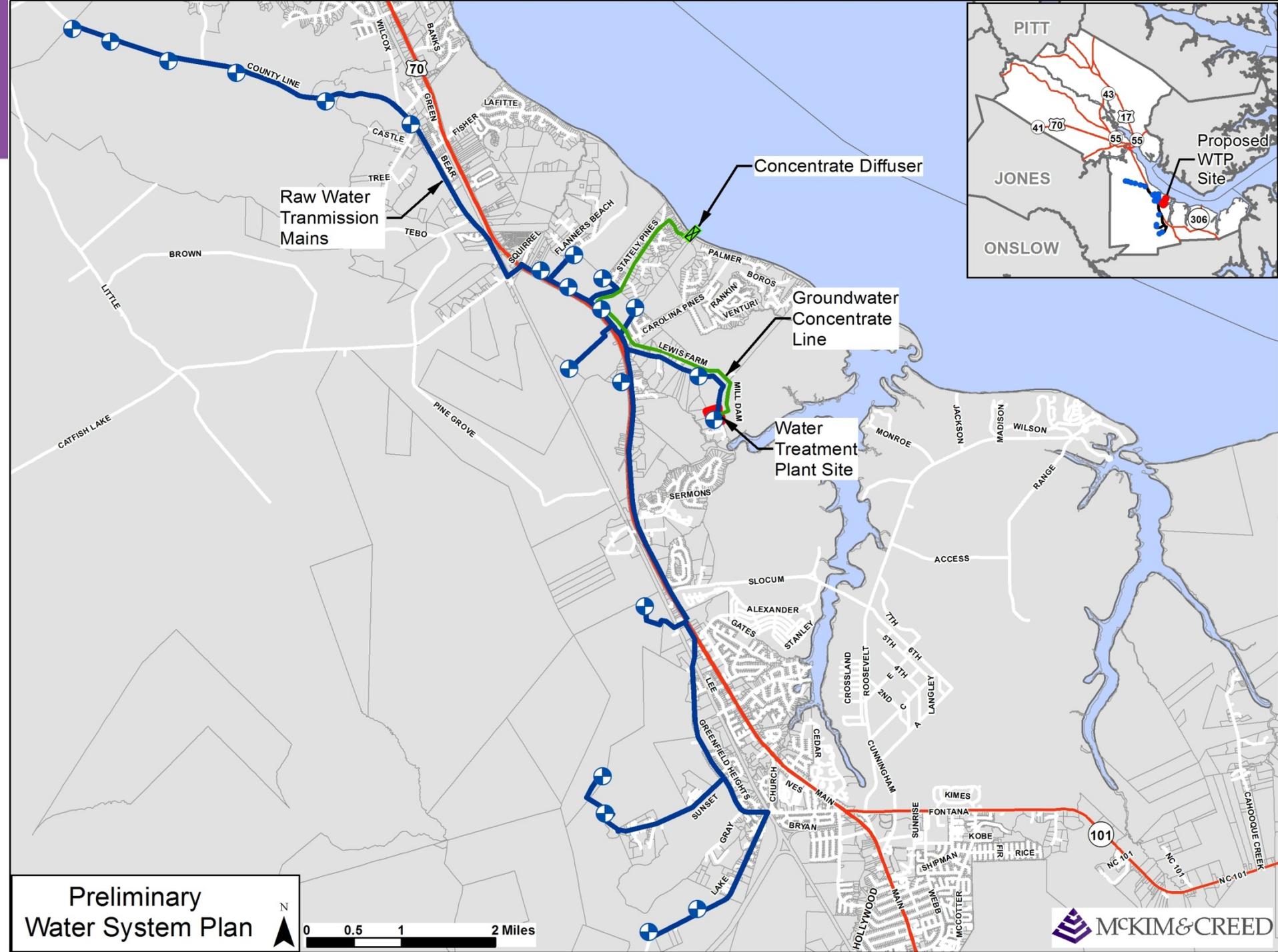
- Treatment Plant Siting
- Water Supply Wells Siting
- Membrane Pilot Testing
- Environmental Documentation
- Preliminary Engineering Report

Schedule

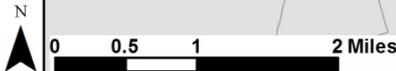
- Submit PER/EA
- Anticipate Design Work Auth Feb 2012
- Design Activities to Run Concurrently with EA Process
- Submit for Permits February 2013
- Anticipate Bidding October 2013
- Final Project Completion Mid-2016

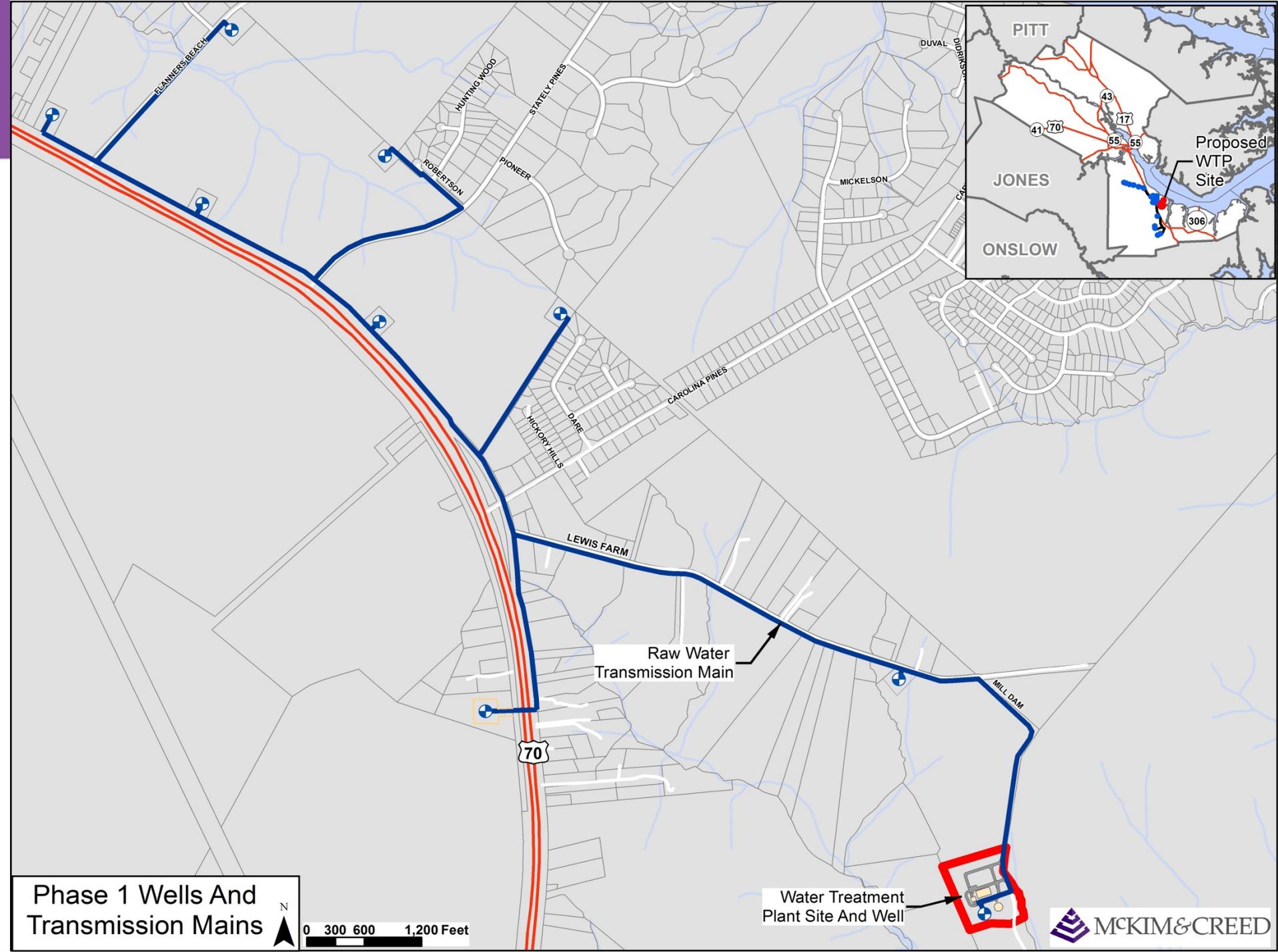
Pending Decisions

- Well Sites Acquisition
- Design Authorization
- Funding: Planning Loan Application

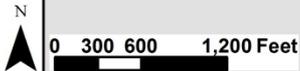


**Preliminary
Water System Plan**





Phase 1 Wells And Transmission Mains



Raw Water Transmission Main

Water Treatment Plant Site And Well

Activity Going Forward

January/February 2012:

- Finalize/Submit PER & EA
- Finalize Design Work Amendment
- Obtain Additional Well Site Approvals
- Conduct Additional Well Testing

Questions?