

<u>Project ID</u>	<u>Total Authorization</u>	<u>PM</u>	<u>CM</u>	<u>Designers</u>	<u>Contractors/CM@Risk</u>
17048	\$2,100,000	Brian Kugler		AECOM Technical Services	

<u>Activity Name</u>	<u>BL Project Start</u>	<u>BL Project Finish</u>	<u>Start</u>	<u>Finish</u>	<u>% Complete</u>
Advertise for Designer	12-Jan-17	10-Feb-17	15-Mar-17 A	12-Apr-17 A	100%
Designer Selected Milestone+		12-Mar-17		24-May-17 A	100%
Programming	13-Mar-17	13-Mar-17	05-Jun-17 A	17-Apr-18 A	100%
Design Contract Executed Milestone+		02-Jun-17		05-Oct-18 A	100%
SD/DD Production	03-Jun-17	01-Aug-17	24-Aug-18 A	24-Sep-19 A	100%
CD Production	02-Aug-17	29-Nov-17	04-Mar-20 A	11-Dec-20	39.17%
Advertise for Bids	29-Apr-18	28-May-18	11-May-21	31-May-21	0%
Contract Execution Milestone		12-Jul-18		14-Aug-21	0%
Construction Baseline schedule approved		11-Aug-18		13-Sep-21	0%
Construction Phase	13-Jul-18	09-Nov-18	15-Aug-21	10-Feb-22	0%
Certificate of Occupancy Milestone*		24-Nov-18		10-Feb-22	0%
Project Closeout Milestone*		25-Nov-18		25-Feb-22	0%

Project Budget Original Authorization \$2,100,000 Current Authorization \$ 2,100,000 Budget \$2,100,000

End User/Dept Grounds (Irrigation), RUPs, EPIC, PORTAL

Scope

The University has developed a proposed partnership with Charlotte Water to bring reclaimed water to campus from the Mallard Creek waste water plant. This water is treated, however, not to the levels of potable drinking water - resulting in a reduced cost. This water will replace potable water currently used in chillers and boilers on campus as well as for irrigating playing fields and landscape areas. The reclaimed water will be purchased at a significantly reduced rate leading to cost savings in our utility bill.

Charlotte Water will fund and construct the line from their plant and recoup their capital costs from guaranteed water sales to the University. UNC Charlotte must fund and construct on-campus lines to get the water to regional utility plants and irrigation systems.

Total cost for the university's on-campus improvements will be \$2.1 million to be recovered by water rate savings over the life of a 30-year agreement with Charlotte Water (total savings are estimated at \$9.5 million).

Past 30-90 Days

- Continued recurring design meetings.
- Charlotte Water rebid off-campus work.
- Received notice to award from Charlotte Water
- Expected construction completion for off-campus work 12/2021
- Negotiated Design Amendment for charettes, additional survey.
  - Executive summary prepared for project to justify amendment
- Charlotte Water on-campus construction schedule:
  - 7/30/20 Start Construction
  - 3/31/22 Substantial Completion
  - 5/22/22 Final Completion

30-90 Day Look Ahead

- Continue CD design.
- Visit UNC Chapel Hill on TBD date.
- Hold preliminary meetings with FO and Grounds to determine RCW integration measures.
- Develop educated guess information to support design amendment
- Execute design amendment.

Issues/Problems

- Charlotte Water construction currently scheduled to complete in May 2022.
- University construction completion is currently February 2022, assuming prompt execution of the proposed Design Amendment.
- If Charlotte Water project finishes prior to the University project, repayment of the \$5M to Charlotte Water will begin prior to a reduction in utility costs.