



CEI NEWS

November 2016

Water Storage Tank Bids on Budget & on Schedule

CEI is working with the Dennis Water District on the construction of a new 1 MG elevated composite water storage tank on Route 28 in Dennis, MA. The adjacent photograph shows a rendering of the proposed 1 MG tank adjacent to the existing 0.5 MG tank that will be removed upon completion of the new tank. CEI completed design and permitting phase services for the new tank during the spring/summer of 2016.



Bids were received in October 2016 and we are pleased to report, the bids were within the budget estimated by CEI. Construction will begin in the spring 2017 and the new tank is anticipated to be on-line in the fall 2018.

CEI also provided planning analysis for the tank including projection of future water demands, storage/demand analysis, development of a hydraulic computer model using WaterGEMS, selection of tank size and style and comparison of tank sites. The model was programmed to simulate actual conditions with hourly changing water demand over the average and maximum weeks and pump operation based on tank level. CEI's CORE Tool™ was used for comparison and selection of the most advantageous tank site and tank style.

The tank is located in a highly visible area, making appearance of especial concern for the District. The composite elevated tank with concrete pedestal and steel head provides a finish appearance appealing to the District. Additionally, the concrete pedestal requires minimal maintenance and only the top steel portion is painted.

For more information contact Kristen Berger, P.E. at 508-281-5160 or kberger@ceiengineers.com

CEI is an award winning civil and environmental engineering firm incorporated in 1987 serving the U.S Northeast.

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