

# Wastewater and Water Supply Design Services for the Plymouth Correctional Facility

## Massachusetts Division of Capital Asset Management

The Horsley Witten Group, Inc. (HW) was retained by the Massachusetts Division of Capital Asset Management (DCAM) to design a new tertiary wastewater facility at the Plymouth Correctional facility and to design and permit a new public water supply. The current facility houses 200 inmates and was previously served by an on-site septic system. A small community well provided potable water to the facility.

HW completed the permit, design, bid evaluation with DCAM, and provided construction administration and oversight through to construction of the facility.

*"On very short notice, HW has risen to the challenge and met a very difficult schedule and deadline... they are extremely efficient, very flexible and are always available to meet our needs. I would highly recommend HW."*

Margaret Bacon, PE, Deputy Director  
Division of Resource Management  
Massachusetts Dept. of Corrections

HW designed a membrane reactor system with ultraviolet disinfection to meet the Massachusetts reclaimed water standards, as the discharge will take place within a wellhead protection area to eight nearby public supply wells. HW conducted the necessary hydrogeologic evaluations and prepared the Groundwater Discharge Permit, which has been approved by the state Department of Environmental Protection (DEP).

HW also designed and permitted a new public water supply well to serve the expanded inmate population. The construction of the wastewater plant and new well was completed in the Spring of 2010 and is fully operational.

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