



Back Cove South Storage Facility

Preble Street Playing Fields and Franklin Street

PURPOSE & PROJECT GOALS

In 2013, the City continued their efforts with reduction of combined sewer overflows (CSOs) to Casco Bay with the development of the Tier III Long Term Control Plan (LTCP). In addition to the continued efforts of sewer separation and green infrastructure installation, the plan identified 5 storage tanks located throughout the City initially focusing on Back Cove. The BCSSF is the second storage tank project that will focus on the following items:

- Capture first flush (first 1-inch of rainfall);
- Provide sewer system flexibility of flow management;
- Reduce volume of CSO #16, #17 and #18 overflow volumes from 150 MG to 18 MG.

PROJECT INCLUDES:

- 3.5 MG underground storage tank
- Facility control building
- Upon completion, the Preble Street playing fields will be restored at a higher elevation to assist with tidal inundation which limits the use of the fields.
- The project will install a new drainage system from Back cove to Marginal Way providing additional storm capacity to the Franklin Street corridor. Backflow prevention will be installed on the system preventing high tides from inundating the Bayside area.

DID YOU KNOW?

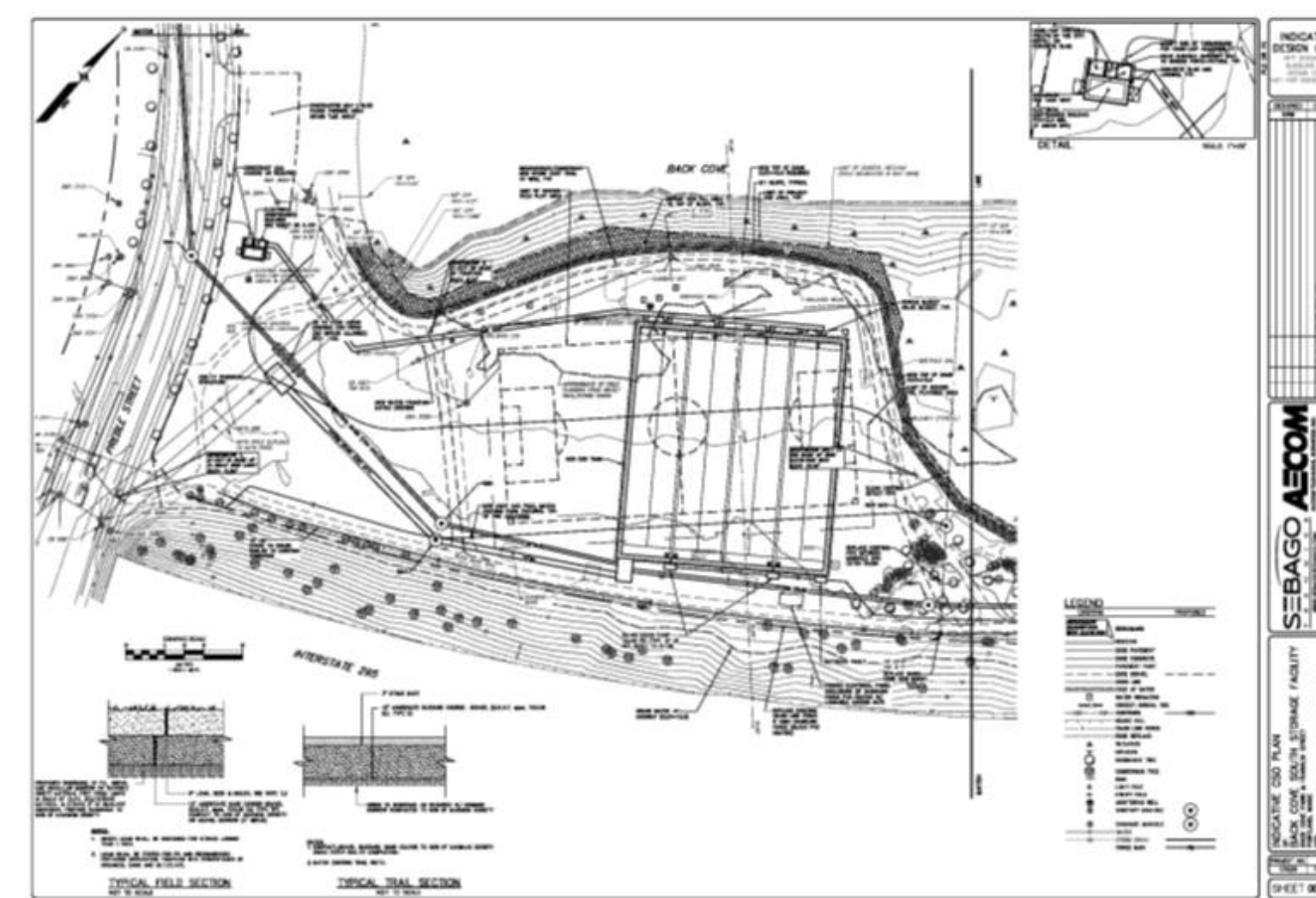
- A “combined” sewer system transports wastewater from our homes, industries and businesses as well as the storm water collected from streets, parking lots, roofs, and yards to the East End Wastewater Treatment Plant.
- During heavy rain events, the combined sewer capacity is overwhelmed and a mix of sewer and storm water is discharged into Back Cove. This is called a Combined Sewer Overflow (CSO).



AECOM

SEBAGO
TECHNICS

INDICATIVE SITE DEVELOPMENT PLANS



PROJECT SCHEDULE:

- The project is currently out to bid.
- Bid opening scheduled for March 2019.
- Construction start Summer/ Fall of 2019.
- Project completion 2021.

Portland DPW Water Resources
Design Engineer: Sebago Technics and AECOM
Design/ Build Team: To Be Determined
Total Project Estimate: \$40 Million