

September 27, 2012
09006

Ms. Jean Fraser
City of Portland, Planner
389 Congress Street, Room 308
Portland, Maine 04101

Level I Site Plan Application – Baxter Blvd Storage Conduit Utility Building and Trail Work

Dear Jean:

We reviewed Woodard & Curran's peer review comments for a Level 1 Site Plan Application in a memo to you on September 25, 2012. We offer the following responses (in bold) to Woodard & Curran's comments:

- 1) The Applicant should provide additional information on the installation and/or replacement of slope stabilization riprap, including stone size and thickness.

24 inch riprap with a thickness of 4.5 feet is specified. Please refer to enclosed Sheet 26 for details and construction notes.

- 2) The Applicant should provide design details for the work (trail section, slope stabilization details, erosion control details).

Sheet 27 (enclosed) shows a typical trail section. Riprap slope stabilization details and construction notes, erosion control details for stabilized construction entrance, silt sack, silt fence and erosion control blanket installation, are all shown on Sheet 26. In addition, we have enclosed an Overall Design Plan that shows the riprap slope and CSO control station in relationship to the entire project for reducing Combined Sewer Overflows ("CSO's"). Please note the riprap slope is shown as "trail improvements" on the Overall Design Plan.

- 3) A Level I Site Plan Submission is required to include proposed storm water management controls and a soil erosion control plan (*City of Portland Land Use Code, Article V. Site Plan, Section 14-527(b) (12) and (13)*). Level 1 Site Alteration Plans are required to conform with certain site plan standards contained in the City Code of Ordinances, (*City of Portland Land Use Code, Article V. Site Plan, Section 14-526(b)3. – b,c,d*) specifically conformance with the Basic, General, Flooding and Urban Impaired Stream standards

- a) Basic Standards: Plans, Notes and Details should be provided to address erosion and sediment control requirements, inspection and maintenance requirements, and good housekeeping practices in accordance with Appendix A, B, & C of Maine DEP Chapter 500.

The contractor will be responsible for installing erosion control measures in accordance with the Erosion and Sedimentation Control Handbook for Construction: Best Management Practices published by the Cumberland County Soil and Water District and Maine Department of Environmental Protection, latest edition. Enclosed is Sheet 3 that provides Erosion Control Notes.

Upon completion of the project, inspection and maintenance requirements and good housekeeping practices will be the City of Portland's responsibility. The City has a program to perform necessary and ongoing street maintenance activities such as street sweeping, catch basin cleaning and other general maintenance services.

The CSO control building has a minimal building footprint and will create a 100 square feet of non-revegetated surface. The small 10' by 10' utility building is part of utility infrastructure project that will have a dramatic improvement to the overall water quality of surface water discharged into Back Cove. The project is designed to fully capture CSO's at the targeted discharge points during a 1 inch of storm event which will be detained and discharged to the East End Wastewater Treatment Plant. As a result, the small footprint of the control building will comply and exceed Chapter 500 regulations by virtue of being part of a much larger water quality enhancement project.

The CSO control building will also be constructed adjacent to an area along Baxter Boulevard to remain vegetated. Existing vegetation removed for the construction of the control station and pipe installation will be supplemented with similar plants. Prior to entering the storm drain system, surface runoff from the roof will drain as sheet flow across a 25 foot vegetative area that will enhance filtration of sediment, organic matter and other pollutants into the underlying soils.

- b) General Standards: The project will result in a de minimis increase in impervious area of approximately 100 square feet. As such, the project is not required to include any specific storm water management features for storm water quality control.

OK.

- c) Flooding Standards: The project will result in a de minimis increase in impervious area of approximately 100 square feet. As such, the project is not required to include any specific storm water management features to control the rate or quantity of storm water runoff from the site.

OK.

Upon your review of our responses and the enclosed drawings, please contact me if you have any questions.

Sincerely,

SEBAGO TECHNICS, INC.

A handwritten signature in cursive script that reads "Craig Burgess".

Craig A. Burgess, P.E.
Project Engineer

CAB:cab/
Enc.

cc: Bradley Roland, P.E. - City of Portland