



December 27, 2022

Rowley Planning Board
39 Central Street
Rowley, MA 01969

Subject: Rowley Solar, Weathersfield Street Rowley, MA As-Built Plans
Response to Graham Associates letter of Nov. 15, 2022

Dear Board,

Below is our response the letter from Larry Graham of Graham Associated dated November 15, 2022 in reference to the As-Built Plans.

1. The plan shows as-built elevation information for the outlet control structures which indicates that these structures were installed in general conformance with the approved plans. We note, however, that the diameters of the orifice openings are not always shown on the as-built plan, and that the openings have been fitted with slotted grates. It is understood that these grates were installed to minimize the amount of debris in the standpipes, but they were not shown on the approved plans or accounted for in the drainage calculations. Since the grates appear to reduce the flow area by approximately 50%, we recommend that an additional orifice and grate be installed at each basin to approximate the design flow from the basins for smaller storm events.

Response: The orifice sizes for the outlet structures have been added to the plans. The 4" outlet in Basin 1 had a grate in the orifice. The grate has been removed leaving an open 4" orifice. Basins 2 and 3 have 4" orifices with grates. The grates will be adjusted by cutting the two lower bars which will leave the opening to be similar to a 3" orifice as designed. See attached Orifice Sketch. This work will be done in the spring.

2. The plan does not show the locations of the silt marker posts that were to be installed in each of the basins.

Response: The silt marker posts will be installed in the Spring when weather permits. In addition, the Wetland marker posts will be installed in the Spring in locations determined by the Conservation Commission as required in the Order of Conditions.

This MADEP sign and the Stormwater permit sign will be installed as soon as the signs have been created by the Client. The original signs are no longer onsite.

Sincerely,

Denis M. Hamel
Denis M. Hamel, CPESC
Project Manager

cc: Rowley Conservation Commission, Tom Beatrice, Dirk Michaels