

Plan Review
21-27 Hancock Street
Leavitt Court Improvements
Revision April 14,2021

This review will address issued not addressed in the subdivision rules checklist

Sheet C1

The Bituminous Concrete Apron and the Bituminous Concrete Pavement are both specified as detail 4/D1 but 4/D1 is a Copper Water Service Connection.

Sheet C2

Proposed contours should be labeled

Drywell detail is specified as 7/D1 it should be 8/D1

Raingarden grading should be corrected to reflect the HydroCAD results

Sheet C3

Slope of 4.83% within 75 feet of intersection exceeds required 4%. A waiver should be requested.

Sewer invert at Station 100+60 appears incorrect

Sheet D1

Details 6 and 7 both refer to a granite curb detail that is not provided.

Detail 8 shows the berm of the raingarden to be 14 inches above the bottom of the raingarden. On Sheet C2 the bottom is specified as 28.18 which would put the berm at elevation at 29.35 which is greater than the 28.37 specified in the HydroCAD calculations. Elevations should be specified in the details and should agree with the plan view and the HydroCAD calculations. On the plan view the 12" perforated pipe under the raingarden measures 40 feet long but that is not reflected in the detail. The length of the raingarden, the slope of the berm and the length of the perforated pipe and stone should all be in the detail.

A detail should be included of the 2 ft long broad crested weir that is the outlet from the raingarden

PGC Engineering PLLC

10 Chase Street, West Newbury, MA 01985
978-994-4550 philchristiansen.pe@gmail.com

Detail5/D2 should be changed to show 2 Cultec chambers in cross-section and a longitudinal view should be added.