



Open Comments

Defer to Board

Conditions of Approval

Peer Review Comment Form

PROJECT NAME 55 Russell Street PEER REVIEW

DATE 3/21/2025

UPDATED:

PROJECT NO. 25008.0206

NO.	SHEET NO.	SECTION	GREEN'S COMMENT	Applicant's RESPONSE	CONFIRMED BY	DATE
Stormwater Review						
	PLANS & DETAILS					
1		§ 38-16. Erosion and Sediment Control Plan. C. 2. & § 38-17. Stormwater Management Plan. C. 2.	Please provide a north arrow on all plans.			
2	SP1.1		How will the infiltration BMP be protected during construction? Please provide a note on the plans to describe how the BMP will be protected from sediment and compaction.			
3	SP1.1	§ 38-16. Erosion and Sediment Control Plan. C. 7.	There is a call out for a construction entrance but it is not shown on the plan. The plan should match the detail. Please revise. Are vehicles going to drive over the cape cod berm and sidewalk to get to the site? Will the cape cod berm and sidewalk be replaced?			
4	SP1.2	§ 38-16. Erosion and Sediment Control Plan. C. 7.	The plans should show the construction entrance and be included in the limit of work. How does equipment access the outfield to strip the topsoil? The access to the outfield should be included in the limit of work since the access will need to be restored. Please revise.			
5	SP1.2	§ 38-16. Erosion and Sediment Control Plan. C. 7.	The plans are missing erosion control. Erosion control shall be added along the low side of the limit of work. Please revise.			
6	SP1.3	§ 38-16. Erosion and Sediment Control Plan. C. 7.	Please indicate in the plans where material stockpile will be located.			
7	SP1.3		Please add a detail showing how the channel drain will be protected from sediment during construction.			
8	L2.1		It is recommended to have a cleanout, drain basin, or manhole at the bend in the drain pipe for ease of maintenance. Please consider revising.			
9	L2.1		It is recommended that an emergency spillway is provided for infiltration basins in the event that OCS-1 fails. An overflow weir is currently referenced in the infiltration basin O&M plan. Please consider revising.			
10	L2.1		Please provide pipe materials, lengths, diameters, and slopes for all drainage pipes. It is recommended that the proposed pipes are 12" minimum diameter with 0.5% minimum slope. Please consider revising.			
11	L2.1	§ 38-17. Stormwater Management Plan. C. 5. & Volume 2 Chapter 2: Structural BMP Specifications for the Massachusetts Stormwater Handbook	The stormwater report and plans do not indicate the estimated seasonal high groundwater elevation for the site. Please provide this information to confirm the stormwater BMP has adequate separation to groundwater.			
12	L2.1 & L2.3/HydroCAD		The rim elevation for the Outlet Control Structure does not match between plan and detail. The rectangular orifice has different dimensions and elevations when comparing the detail and HydroCAD. Please clarify.			
13	L2.3	§ 38-17. Stormwater Management Plan. C. 9.	Please provide a detail for the channel drain.			
14	L2.3		Please indicate materials in the infiltration basin detail along with seasonal high ground water elevation. Please verify that the side slopes are 3:1 max not 1:3 max.			
15	L2.3		The cleanout detail shows diameters to be 6", but the plan shows the pipes to be 10". Also, a wye connection is shown but the plan makes it appear that there should be a 45° bend. Please clarify. Please show rim elevation for cleanout casting on plan and detail.			
	STORMWATER REPORT					
16			Please explain why the baseball field has no proposed drainage and is omitted from the stormwater report.			
17	Standard 3/HydroCAD		Please provide HydroCAD storage tables to confirm provided recharge volume. The recharge volume is measured from the bottom of the basin to the lowest orifice. It appears storage above the orifice is being counted towards the provided recharge volume. Please revise.			



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18	Massachusetts Stormwater Report Checklist - Standard 4/6		The project is within a Zone II and therefore is in a Critical Area but the stormwater report states it is not. The soils have rapid infiltration rates (A soils have Rawls rate of >2.4 in/hour). Currently the project provides no pretreatment and states it is not in a critical area. Please revise report and provide 44% TSS removal for pretreatment.			
19	Massachusetts Stormwater Report Checklist - Standard 4		Water Quality calculations showing the project meets the 1" Water Quality volume shall be provided. Please revise.			
20	Massachusetts Stormwater Report Checklist - Standard 8	§ 38-16. Erosion and Sediment Control Plan. C. 4.	The number of square feet of the land area to be disturbed shall be added to the plans. The checklist indicates that the project is not covered by the NPDES Construction General Permit. Based on the plans it appears the project may exceed 1 acre of disturbance requiring a NPDES Construction General Permit. Please revise.			
21	Massachusetts Stormwater Report Checklist - Standard 9		Please shows location of stormwater BMPs maintenance access areas on the plans.			
22	Standard 9: Operation and Maintenance Plan	Volume 2 Chapter 2: Structural BMP Specifications for the Massachusetts Stormwater Handbook	It is recommended the infiltration basin is to be inspected after every major storm during the first 3 months of operation to confirm it is functioning properly. Please consider revising.			
23	Standard 9: Operation and Maintenance Plan		Please add the channel drain and flared end to the O&M plan.			
24	Standard 9: Operation and Maintenance Plan - 1.2 Outlet Control Structure		The Outlet Control Structure is listed to be "inspected twice a year" and also "checked at least four times a year." Please clarify the maintenance schedule.			
25	Standard 9: Operation and Maintenance Plan	§ 38-18. Operation and Maintenance Plan. B. 3.	Signature(s) of the owner(s) required for O&M plan.			