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MEMORANDUM

Subject: Response to Peer Review Comments

Project: **Town of Littleton | Littleton Tennis and Whitcomb Field Improvements**
Project No. 24053.00

Date: 31 March 2025

To: Littleton Planning Board
c/o Maren Toohill
Littleton Town Planner

By: Holly Ganser, PE
Civil Project Manager

Delivery: via Email

Distribution: (via email) Tim Michalski, PRCE Assistant Director
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Dear Planning Board,

The Littleton Tennis and Whitcomb Field Improvements project received Stormwater Peer Review comments dated March 21, 2025. Enclosed are the responses to the comments.

During discussions with different stakeholders after the March 13, 2025, project hearing, it was found that an additional bullpen/batting tunnel area at the baseball field is needed. The additional bullpen/batting tunnel will be installed along the third base line. The proposed walkway along the third base line will be extended to provide ADA access to this new area. The stormwater analysis for the baseball field will include this added impervious area and cover type change for the bullpen/batting tunnel area.

We hope the responses provided in the enclosed document adequately addresses comments received during the peer review and look forward to discussing the project at the April 3, 2025, Planning Board Meeting.

Respectfully,

ACTIVITAS

Holly Ganser, PE
Civil Project Manager
hcg@activitas.com

Attachments:

Stormwater Peer Review Responses

Open Comments
Defer to Board
Conditions of Approval

PROJECT NAME 55 Russell Street PEER REVIEW
DATE 3/21/25
UPDATED
PROJECT NO. 25008.0206

Peer Review Comment Form

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.	North arrows will be added to 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.	Notes about decompaction and sediment removal will be added to the infiltration basin detail.		
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?	Call out for the construction entrance will be adjusted on the plans. Sidewalk and Cape Cod curb are called to be protected and contractor shall be responsible for replacement if damaged.		
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.	Limit of Work will be updated to include access to the outfield areas.		
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.	Erosion control will be added to the plans at the down gradient side of the the limit of work.		
6	SP1.3	§ 38-16. Erosion and Sediment Control Plan. C. 7.	Please indicate in the plans where material stockpile will be located.	Material stockpile locations will be added to the plans.		
7	SP1.3		Please add a detail showing how the channel drain will be protected from sediment during construction.	Channel drain detail will include notes about protection 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.	A clean out will be added to the bend in the drain pipe.		
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.	An emergency spillway will be added to the infiltration basin.		
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.	Lengths and slopes of the drainage pipes will be added to the plans. The pipe sizes will remain as proposed. The pipes are all sized to with sufficient capacity for the required flows.		
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.	The stormwater report and plans will be updated to indicate estimated seasonal high groundwater on site and to show the 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.	The Outlet Control Structure will be updated to reflect the HydroCAD report.		
13	L2.3	§ 38-17. Stormwater Management Plan. C. 9.	Please provide a detail for the channel drain.	The channel drain detail will be added to the plans.		
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.	The infiltration basin detail will be updated.		
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.	The cleanout detail will be updated.		
	STORMWATER REPORT					
16			Please explain why the baseball field has no proposed drainage and is omitted from the stormwater report.	An analysis and stormwater design of the baseball field and an updated Stormwater Report will be provided. To mitigate the small increase of impervious area proposed on the project associated with the ADA access improvements,the required stormwater infrastructure is anticipated to be minimal and BMPS are likely to be a leaching basin(s) located outside of the newly proposed backstop or team areas and will be designed to meet the Stormwater Regulations.		
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.	The infiltration basin will fully recharge the runoff volume generated in the 2-year storm as demonstrated in HydroCAD with no primary outflow. The runoff volume generated in the 2-year exceeds that of the required recharge volume, and therefore Standard 3 is met. Additional calculations further demonstrating this will be provided with the updated Stormwater Report.		
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.	The Stormwater Checklist and Stormwater Report will be updated to note the location of the project within a Zone II. As explained in the Standard 4 discussion in the Stormwater Report, the use of the proposed impervious areas will be for pedestrian use only and will not be treated in the winter and therefore already meet the intent of Standard 4 without additional treatment due to the limited TSS that would be generated from the proposed use.		

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19	Massachusetts Stormwater Report Checklist - Standard 4		Water Quality calculations showing the project meets the 1" Water Quality volume shall be provided. Please revise.	As explained in the Standard 4 discussion in the stormwater report, the use of the proposed impervious areas will be for pedestrian use only and will not be treated in the winter and therefore already meet the intent of Standard 4 without additional treatment due to the limited TSS that would generated from the proposed use.		
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.	The proposed land disturbance will be added to the plans. If the project exceeds 1 acre of disturbance and the project is covered by the NPDES Construction General Permit. The checklist will be updated. The SWPPP and CGP will be prepared by the selected contractor prior to construction and copies can be provided to the Town if required.		
21	Massachusetts Stormwater Report Checklist - Standard 9		Please shows location of stormwater BMPs maintenance access areas on the plans.	Stormwater BMP maintenance access areas will be added to 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.	The O&M will be updated reflect the recommended maintenance.		
23	Standard 9: Operation and Maintenance Plan		Please add the channel drain and flared end to the O&M plan.	The O&M will be updated to include the Channel Drain.		
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.	The O&M will be updated to clarify the structure should be inspected at least 4 times a year and cleaned 2 times a year.		
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.	The final O&M plan will be signed by the Owner. A signature block will be added to the O&M plan.		