

June 21, 2021

Planning Board
663 Main Street
Bolton, MA 01740

Re: 357 Main Street Peer Review

Dear Members of the Board:

On behalf of Environmental Pools, Dillis & Roy Civil Design Group (CDG) respectfully submits this reply to Places Associates peer review letter dated June 9, 2021.

The following documents are included in this resubmission:

- Special Permit Plan for 357 Main Street, dated February 3, 2021 and last revised June 21, 2021

For ease of reference review comments are noted in *Italics* with CDG responses in **bold text** below.

Places Associates Review

1. *The revised site plan has minimized the amount of impervious surface and will remove excess pavement. We note that the radii and geometry of the new edge of pavement is not shown on the Site Plan, sheet C2.1*

CDG Response: Sheet C2.1 has been revised to document radii and geometry of the revised pavement layout.

2. *Dumpsters are shown on the plan and are effectively screened from the public way by the buildings. While Bolton does not require an enclosure around the dumpsters, this office would recommend that the Board require the dumpsters to be covered to minimize the potential for blowing trash.*

CDG Response: Sheet C2.1 has been revised to require that the proposed dumpsters be covered.

3. *The accompanying response to comments indicates that the Proposed Temporary Outdoor Storage are will have a 6" berm around them. No indication of this was found on the plans.*

CDG Response: Sheet C2.1 has been revised to callout 6-inch berms around the Temporary Outdoor Storage. The berms were previously shown but not clearly called out.

4. *It is noted that the easterly Temporary Outdoor Storage Area is over the existing sewer force main. The plan shows a minor grading over the force main. Normally a cross-country force main would not be designed for H2O loading. It is recommended that the applicant work with the BOH regarding the protection of this critical component of the septic system to protect it from heavy static loads, live loads, and frost protection. At a minimum, it is our recommendation that when they are removing top*

and subsoil prior to gravelling this area, that the force main be uncovered, elevations confirmed and when backfilling install magnetic tape. With normal use, this gravel area will likely develop some localized depressions and if the tape is exposed, it will be a reminder of that the force main needs protection.

CDG Response: Construction Note 9 has been added to sheet C3.1 requiring the contractor to uncover the existing force main, verify its elevation, install insulation (if required), and install marking tape prior to backfilling Temporary Outdoor Storage Area #1.

5. *The Sight Triangle Detail on sheet C3.2 does not have the information shown – please confirm that the layer is turned on in future plots.*

CDG Response: The Sight Triangle Detail on sheet C3.2 has been revised for clarity to document distances.

6. *The Infiltration basin has a spot elevation on the berm of 314.5. Both the detail and calculations indicate the top of berm at 315. Please correct.*

CDG Response: The top of the Infiltration Basin is elevation 315.0. Per Additional Comment #1 in the previous peer review letter, an additional 20-foot long emergency spillway was added at elevation 314.5. This is in addition to the grate on the proposed outlet structure at elevation 314.0. The 100-year water surface elevation for the Infiltration Basin is 313.97.

7. *The outlet structure to the infiltration basin has an orifice 12" x18", a debris grate is recommended to keep any animals or children out of it.*

CDG Response: The Outlet Control Structure detail on sheet C3.3 has been revised to provide a 24"x18" debris grate over the proposed horizontal weir.

8. *Landscape and Lighting Plans*
 - a. *The plans do not reflect the latest site plans, particularly the revised edge of pavement. The creation of islands in the front parking may provide opportunity for additional landscaping and street tree to reduce the parking lot heat.*

CDG Response: Updated Landscape & Lighting Plans will be provided after coordination with the Town of Bolton Conservation Commission.

- b. *The landscaping does not take into account the infiltration basin requirements for access along the top of the berm the ability to clean out the bottom of the basin from the berm and the need to keep tree roots from permeating the impermeable core in the basin berm.*

CDG Response: Updated Landscape & Lighting Plans will be provided after coordination with the Town of Bolton Conservation Commission. The top of berm, which provides maintenance access, will be loamed and seeded without any plantings to inhibit access or impact the impermeable core.

- c. *The lighting plan shows two lights post in the Infiltration Area B which need to be relocated.*

CDG Response: Updated Landscape & Lighting Plans will be provided after coordination with the Town of Bolton Conservation Commission. The Lighting will be coordinated with the drainage design.

- d. *Our Landscape Architect, William Murray, Reviewed the planting and commented that the choice of the Swamp white oak is not appropriate for area with shallow ledge and where there is soil, sand and gravel soils with deep groundwater.*

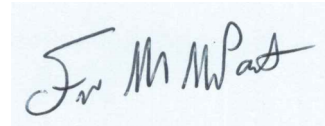
CDG Response: Updated Landscape & Lighting Plans will be provided after coordination with the Town of Bolton Conservation Commission. Acceptable plantings will be coordinated with the Commission during the NOI process.

We thank the Board for your review of this project. Please let us know if you require additional copies of the enclosed materials. We look forward to continuing to work with the Board to allow the improvements to the site and existing building.

Very Truly Yours,
DILLIS & ROY
Civil Design Group



Seth Donohoe
Project Manager



Francis McPartlan, PE (MA)
Senior Civil Engineer

cc: Environmental Pools
Places Associates