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July 2, 2013

Town of Westwood Planning Board
Nora Loughnane, Town Planner
Carby Street Municipal Office Building
50 Carby Street
Westwood, MA 02090

RE: Nitsch Project #9556
Xaverian Brothers High School
800 Clapboardtree Street
Westwood, MA

Dear Ms. Loughnane:

On behalf of the Owner, Xaverian Brothers High School, and our client, Beacon Architectural Associates, Nitsch Engineering is enclosing three (3) sketches detailing the flow of stormwater from the site, onto Clapboardtree Street, and back onto the site. Please find enclosed:

Figure 1: Site Layout, showing general flow patterns

Figure 2: Flow patterns at the westernmost entrance to the campus (driveway leading to school building)

Figure 3: Flow patterns at the second entrance to campus (driveway leading to parking lot and athletic field)

On all three figures, arrows represent the flow of water, which can be verified using grading also shown on the sketches, and in the plans previously submitted to the Planning Board.

Figure 1 depicts overall grading of the site. With the exception of the two driveways shown in Figures 2 and 3, the site drains to the north, entering the drainage system (subsurface infiltration systems via catch basins) before ultimately draining through outfalls to the north.

As Figures 2 and 3 show, the driveways at the southern end of the site are graded toward Clapboardtree Street. However, because the center of the street is a high point, any water that drains into the street will re-enter the site, either via the driveway (as in Figure 2), or by entering the existing drainage system via an existing catch basin on the north side of Clapboardtree Street.

After re-entering the site, stormwater will enter the drainage system via catch basins with hoods and sumps. Portions of site runoff are treated through water quality inlets, and portions are infiltrated into the groundwater through recharge systems. The site is well-maintained, with minimal use of salt and sand. In accordance with Conservation Commission regulations, yearly proof of the maintenance and cleaning of stormwater measures will be provided.

Please contact me with any questions.

Very truly yours,

Nitsch Engineering, Inc.

David Conway, PE LEED BD+C
Project Manager

DMC/CGM

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