February 24, 2020

Burlington Planning Board
Burlington Town Hall Annex
25 Center Street
Burlington, MA

Re: Modification of Drainage System
   General Walker Estates
   __ Dartmouth Road Extension _____________

Dear Members,

The homes being proposed for Lots 1, 2 & 3 have been revised from previously approved plans.

As a result of these changes, Waypoint General Contracting has requested that this office undertake a drainage study to determine the proposed drainage features required so that post-development runoff will not exceed the pre-development runoff rates.

The following revisions are being proposed (Refer to the Site Plans):

- The houses for Lots 1 & 2 are now being proposed much closer to Francis Wyman Rd, reducing the impervious area of the driveways;

- The proposed infiltration system for Lots 1 & 2 has been revised as a result, each lot will now have its own SC-310 chamber system, where only roof runoff will be routed to the respective system.

- The proposed house for Lot 3 has remained the as previously approved.

These recommendations will accomplish the goal of reducing the runoff below predevelopment conditions and full capture of 100-year storm in the existing Isolator Row infiltration system by capturing driveway with some overland and roof runoff in SC-310 infiltration chamber systems that will recharge to groundwater and eliminate surface runoff.
The following attachments are included with this submittal:

1. Revised HydroCad Calculations for Francis Wyman Lots.
3. Revised Subcatchment Plans (included in Site Plan set).

I look forward to working with the Board to insure that the drainage system works as intended. I will be available at any time to discuss the proposed improvements. Please do not hesitate to ask.

Very truly yours,
Dresser, Williams & Way, Inc.

Stephen R. Dresser, PE
Stephane R. Dresser, PE