

Ref: 7738

October 27, 2020

Ms. Elizabeth Hughes  
Town Planner  
Concord Planning Division  
Town of Concord  
141 Keyes Road  
Concord, MA 01742

Re: Sight Distance Plan  
Proposed Residential Development - 1450 Main Street  
Concord, Massachusetts

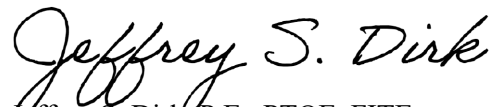
Dear Ms. Hughes:

Vanasse & Associates, Inc. (VAI) has reviewed the October 24, 2020 sight distance plan prepared by Williams & Sparages for the proposed residential development to be located at 1450 Main Street in Concord, Massachusetts (hereafter referred to as the “Project”), a copy of which is attached. Consistent with the findings of our December 21, 2018 Supplemental Access Assessment and with consideration of the selective removal of trees and vegetation along the Project site frontage on Main Street that are located within the sight triangle areas of the Project site driveway, the attached plan illustrates that sight lines at the Project site driveway intersection with Main Street will meet the recommended sight distance for safe operation of the access based on an approach speed of 40 miles per hour (mph) along Main Street (305 feet is recommended), which is higher than both the measured 85<sup>th</sup> percentile vehicle travel speed documented in the July 2018 *Transportation Impact Assessment* (38 mph) and the posted speed limit (30 mph). As such, ***access to the Project site for construction vehicles by way of the Project site driveway intersection can be afforded in a safe manner.*** The Applicant has committed to the use of a police detail during the construction phase of the Project when trucking activities will occur, which will also serve to facilitate the safe movement of trucks in and out of the Project site.

If you should have any questions regarding our review of sight lines at the access to the Project, site please feel free to contact me.

Sincerely,

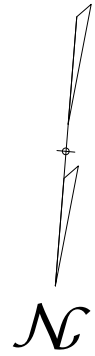
VANASSE & ASSOCIATES, INC.



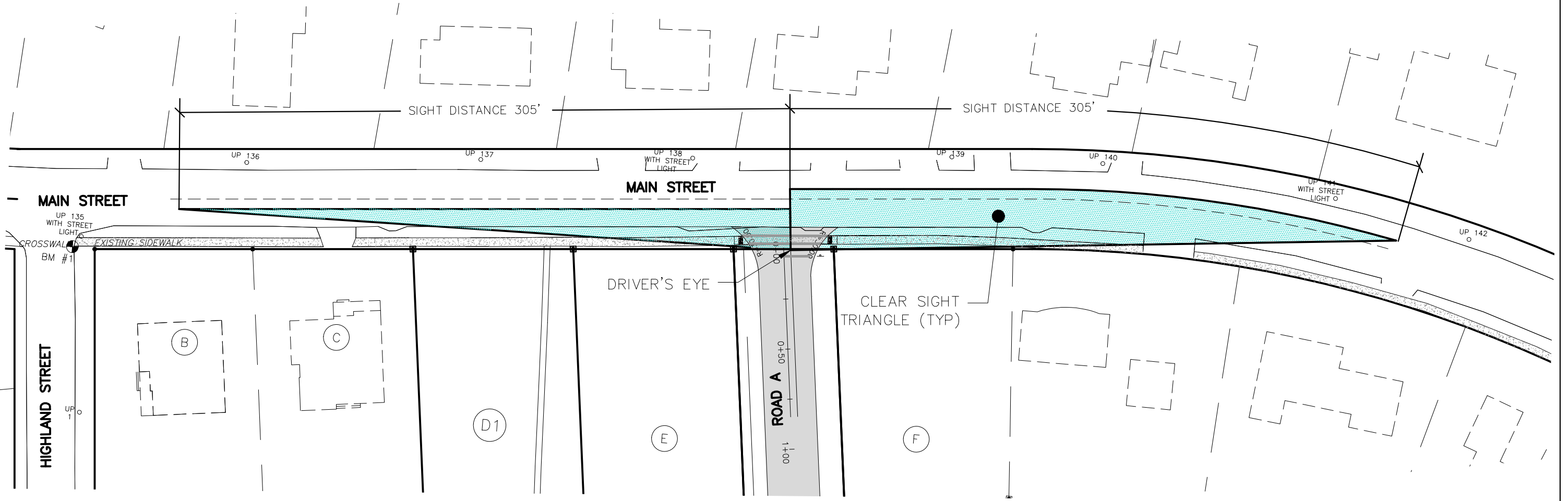
Jeffrey S. Dirk, P.E., PTOE, FITE  
Managing Partner

*Professional Engineer in CT, MA, ME, NH, RI and VA*

Attachment



MAIN STREET  
DESIGN SPEED: 40 MPH  
  
REQUIRED SIGHT DISTANCE  
(STOPPING SIGHT DISTANCE): 305'



SCALE: 1" = 50' OCTOBER 24, 2020

MAIN STREET AT ROAD A  
SIGHT DISTANCE STUDY  
FIG. 1

