

September 4, 2020

Mary Savage-Dunham, Community Planning Director
Planning Board
Town of Hingham
210 Central Street
Hingham, MA 02043-0239

Re: 100 Industrial Park Road
Proposed Shipping Warehouse

Dear Ms. Savage-Dunham:

We are in receipt of Vanasse & Associates, Inc.'s comments dated July 20, 2020, regarding the supplemental traffic engineering peer review for the project noted above. Vanasse & Associates' additional comments and shown in bold text, our responses are indicated in ***bold italic*** text and are as follows:

SITE PLANS

1. Comment S3: The requested signs and pavement markings have been added to the Site Plan. The following corrections should be made on the final Site Plans:
 - Sheet SP-3 should indicate “Install R3-2 Sign (No Left Turn) (Typ.)” (Keynote Legend “Z”) on Industrial Park Road opposite the Project site driveway as required by the Manual on Uniform Traffic Control Devices (MUTCD).1
 - Sheet SP-3 should indicate “Install S-1 Sign” (Keynote Legend “E”) on the Commerce Road approach to Industrial Park Road.
 - Sheet SP-3 should indicate “Install S-7 Sign” (Keynote Legend “J”) along the one-way exit to Industrial Park Road opposite the two (2) connections to the parking field.
 - Sheet SP-3 Keynote Legend “AB” should reflect a speed advisory of 20 mph as recommended in the June 2020 Traffic Study.

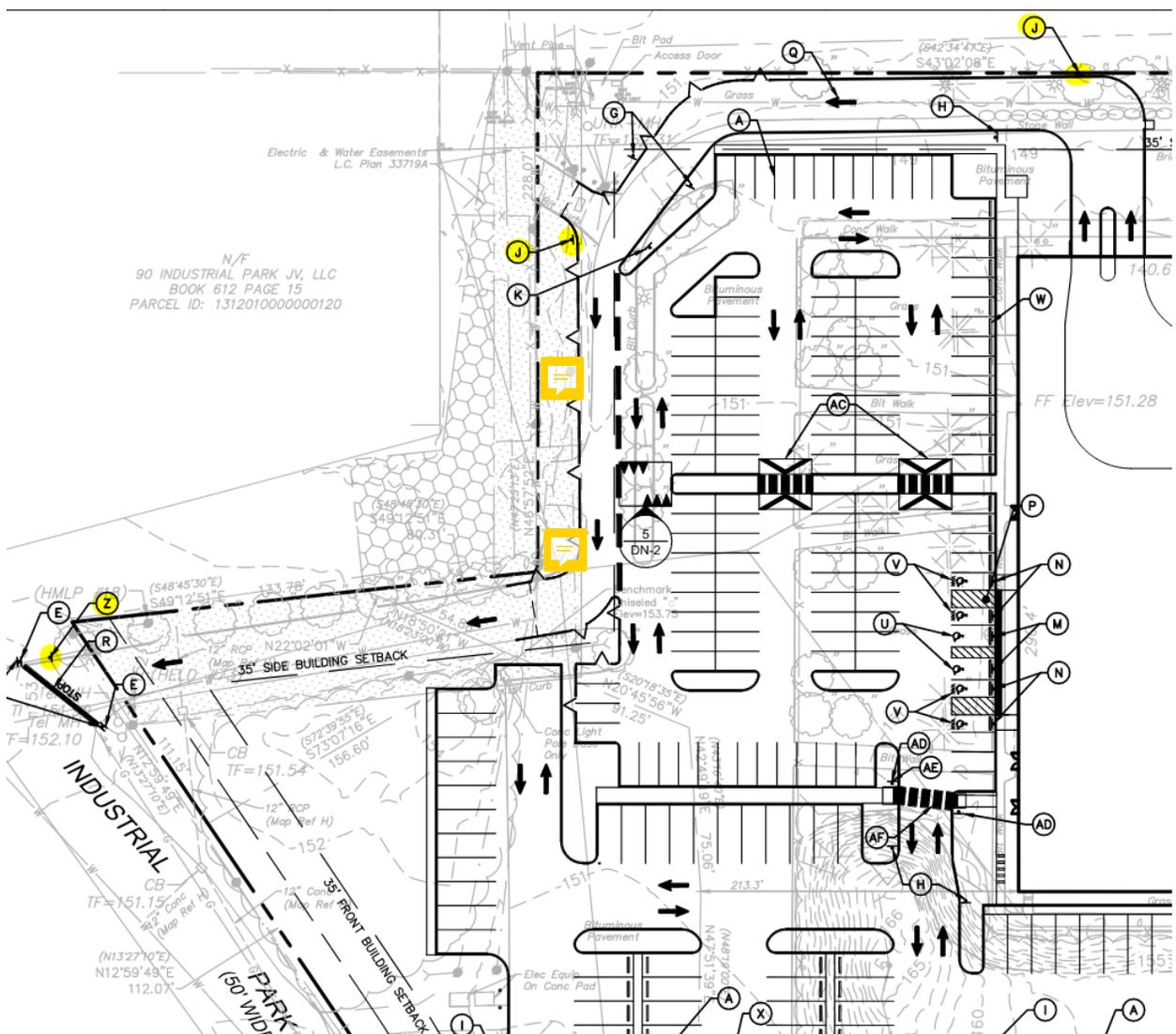
JD Response: Sheet SP-3 has been revised to add the requested signs and should be further revised as follows:

- **The R3-2 sign should be oriented toward (face) traffic exiting the Industrial Park**

Road Project site driveway.

- S-7 signs should be added at (2) locations along the north side of the one-way exit driveway facing vehicles exiting the parking field that is located to the north of the building as there are no signs in this area that indicate the one-way direction of the drive.

BL Response: Sheet SP-3 will be updated for the R3-2 sign and the S-7 sign as indicated below.



KEYNOTE LEGEND

| | |
|------|---|
| (A) | INSTALL 4" WIDE WHITE STRIPE (TYP.) |
| (B) | INSTALL 4" WIDE ORANGE WARNING LINE (TYP.) |
| (C) | INSTALL 24" HIGH 3 DIGIT NUMBER MARKINGS AT DOCK SPACES (TYP.) |
| (D) | 4" SOLID WHITE LINE STRIPED PAVEMENT MARKINGS (⊙ 45°, SPACED 4' O.C., TYP.) |
| (E) | INSTALL S-1 SIGN |
| (G) | INSTALL S-2 SIGN |
| (H) | INSTALL S-3 SIGN |
| (I) | INSTALL S-6 SIGN |
| (J) | INSTALL S-7 SIGN |
| (K) | INSTALL S-8 SIGN |
| (L) | INSTALL S-14 SIGN |
| (M) | INSTALL S-15 SIGN |
| (N) | INSTALL S-16 SIGN |
| (O) | INSTALL AS-26 SIGN. VERIFY LOCATION AND MOUNTING METHOD WITH TENANT'S REPRESENTATIVE PRIOR TO INSTALLATION. |
| (P) | 4" SOLID BLUE LINE STRIPED PAVEMENT MARKINGS (⊙ 45°, SPACED 4' O.C., TYP.) |
| (Q) | INSTALL PAVEMENT DIRECTION ARROWS (TYP.) |
| (R) | INSTALL 12" WIDE VEHICLE STOP LINE |
| (S) | TYPICAL TRAILER PARKING AT DOCK (TYP.) |
| (T) | INSTALL AS-31 SIGN |
| (U) | INSTALL PG-17 SIGN |
| (V) | INSTALL PG-18 SIGN |
| (W) | INSTALL CONCRETE WHEEL STOP (TYP.) |
| (X) | INSTALL BITUMINOUS CONCRETE SPEED HUMP (TYP.) |
| (Y) | INSTALL 4" WIDE YELLOW STRIPE (TYP.) |
| (Z) | INSTALL R3-2 SIGN (NO LEFT TURN) (TYP.) |
| (AA) | INSTALL W2-2 SIGN (INTERSECTION WARNING SIGN) (TYP.) |
| (AB) | INSTALL W13-1P SIGN (20 MPH) (TYP.) |
| (AC) | INSTALL CONCRETE PEDESTRIAN TABLE WITH CROSSWALK PAVEMENT MARKING |

2. Comment S5: While the sight distances are helpful, the sight distance triangles were not shown. The sight distance triangles are based on the minimum recommended sight distances for the appropriate approach speeds approaching the driveways, or 305 feet for Industrial Park Road (40 mph) and 200 feet for Commerce Road (30 mph). We would recommend that a separate plan sheet be provided for the sight triangles and that the requested note be included on the plan sheet showing the sight triangles. An example sight triangle plan is attached for reference by the Applicant's engineer.

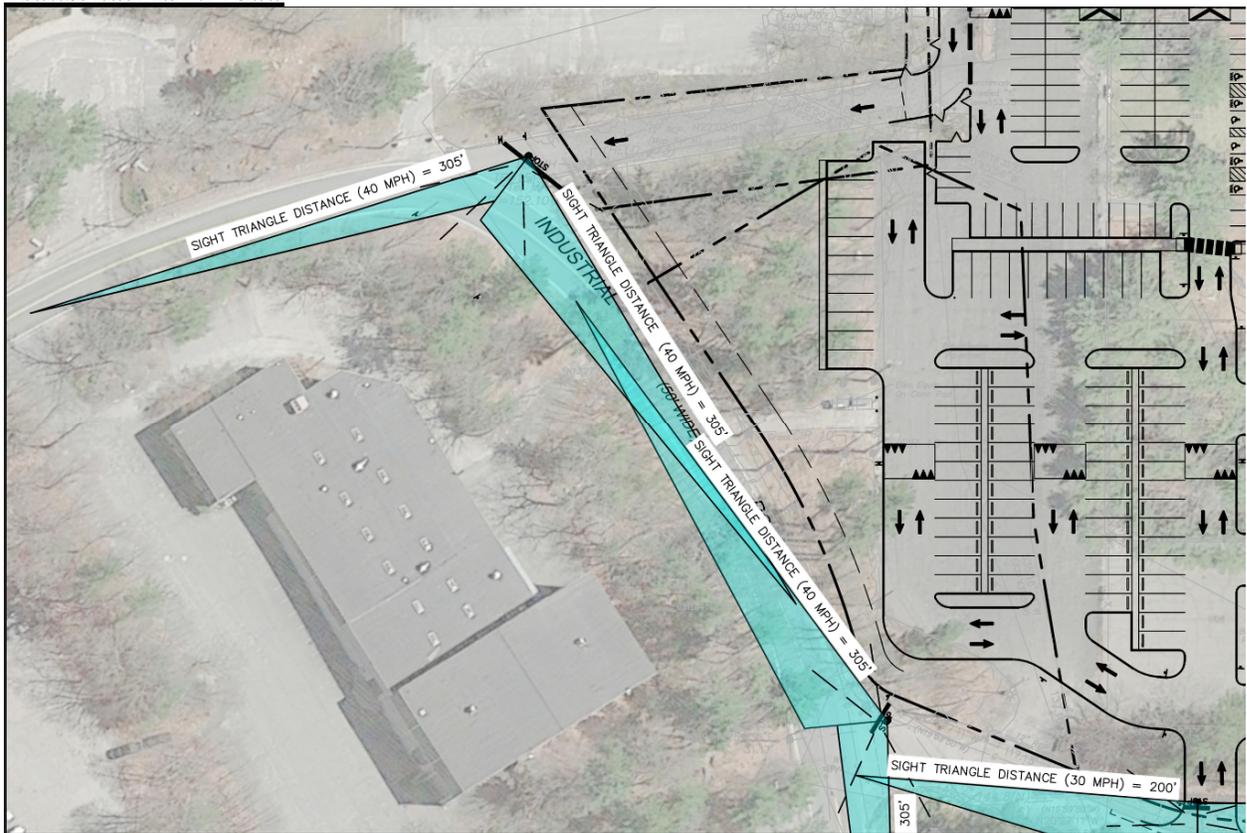
Response: A separate plan sheet (SPD-1) was provided showing the sight triangles for the available sight distances exiting the driveways and included the requested sight triangle maintenance note.

JD Response: As requested in our comment and shown on the example sight triangle plan that was provided to the Applicant's engineer, the sight triangles should be based

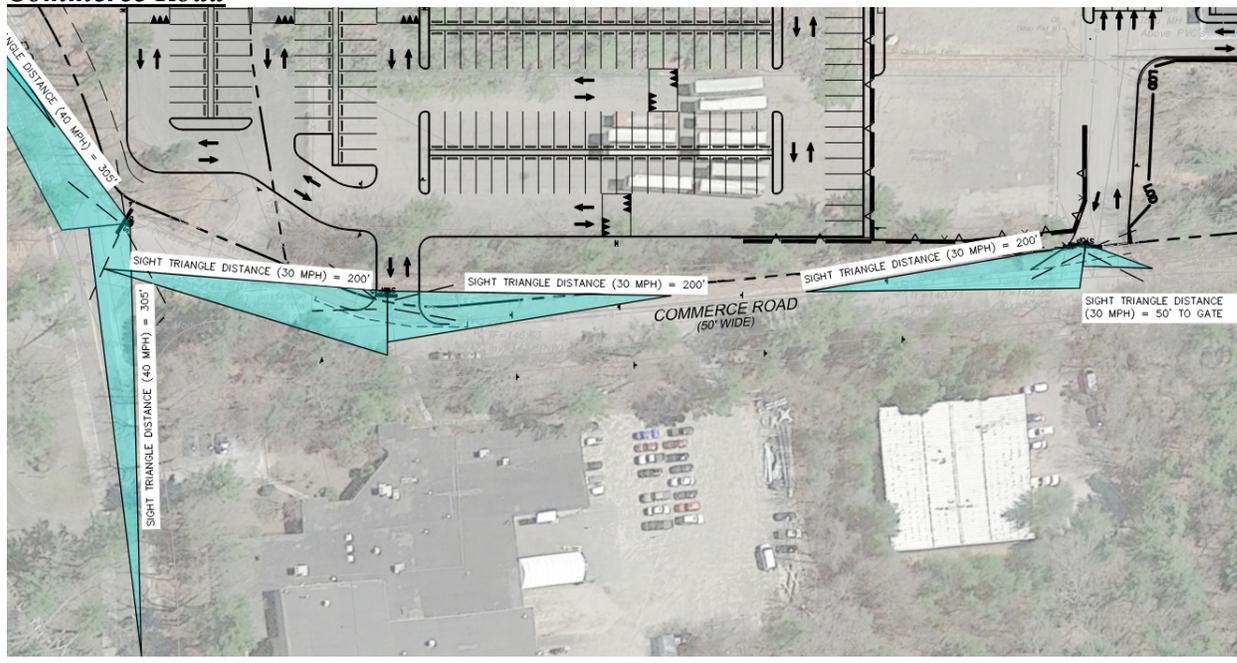
on the minimum recommended sight distances (305 feet for Industrial Park Road (40 mph) and 200 feet for Commerce Road (30 mph) and not the available sight distance. This will not impact the site layout or the design of the Project but should be corrected and the subject plan (Sheet No. SPD-1) should be added to the final Site Plans.

BL Response: Final SPD-1 site plan minimum sight distances will be updated to Sheet SPD-1 for final site plans as indicated with screen clip below.

Industrial Park Road



Commerce Road



3. Comment S7: Weather protected bicycle parking should also be provided within the building and shown on the final Site Plans.

Response: The Applicant's engineer indicated that the location of the weather protected bicycle parking within the building is shown on Sheet No. SP-1 as per the tenant operation requirements and specific location.

JD Response: **Sheet No. SP-1 does not show the location of bicycle parking within the building. This information should be added to the final Site Plans.**

BL Response: Final SP-1 site plan will indicate the location of the bicycle parking within the building.

We trust our responses address the concerns that were posed. Should you require additional information, please feel free to contact me at 203-608-2438.

Sincerely,



Kevin Hixson
Senior Project Manager