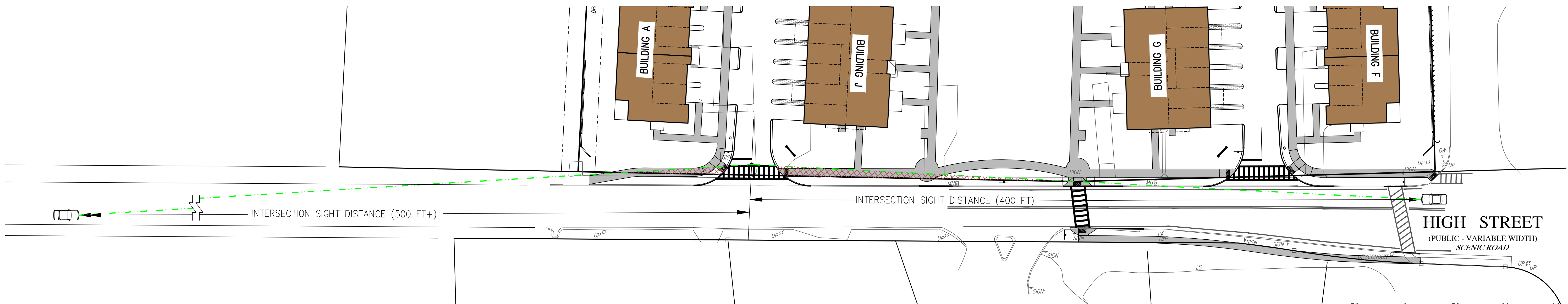


INTERSECTION SIGHT DISTANCE - SITE DRIVEWAY A - NORTH



INTERSECTION SIGHT DISTANCE - SITE DRIVEWAY B - SOUTH

INTERSECTION SIGHT DISTANCE SUMMARY SITE DRIVEWAY A - NORTH

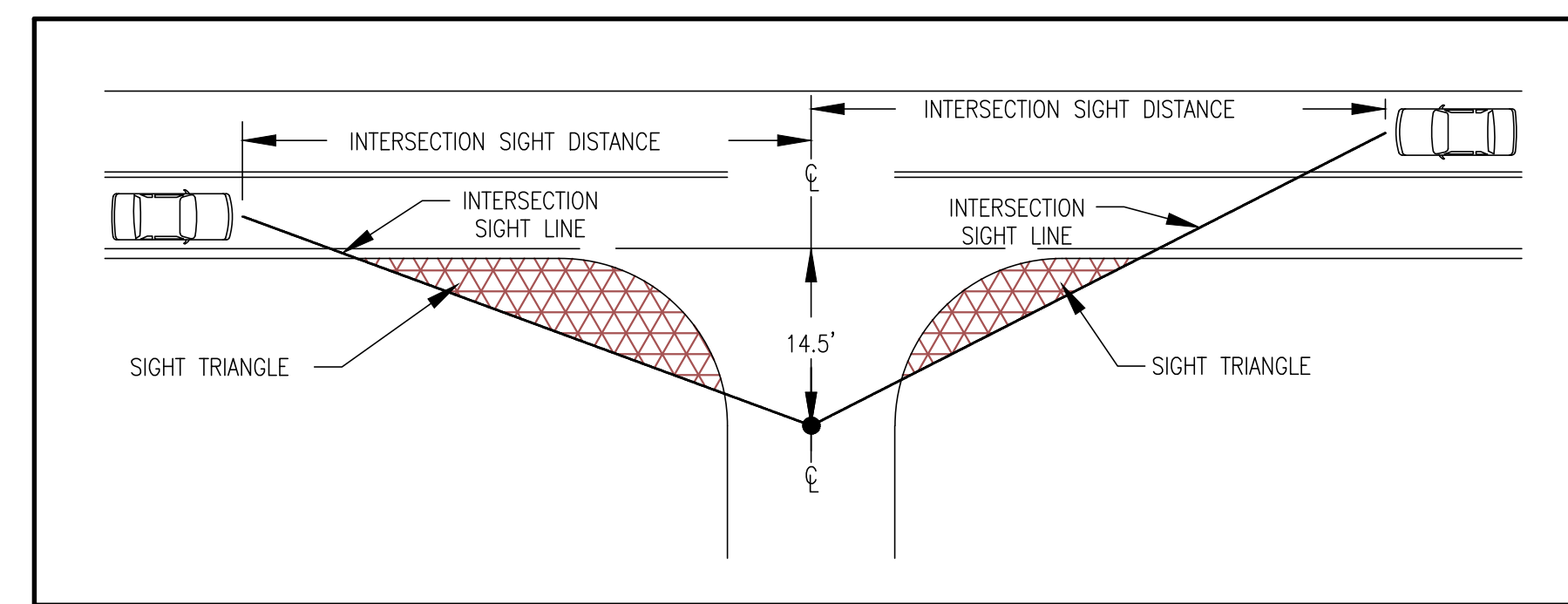
LOCATION/DIRECTION	TRAVEL SPEED 85th-PERCENTILE	INTERSECTION SIGHT DISTANCE (FEET)		
		REQUIRED MINIMUM STOPPING SIGHT DISTANCE (SSD)	DESIRABLE INTERSECTION SIGHT DISTANCE ISD(b)	MEASURED SIGHT DISTANCE
PROPOSED SITE DRIVEWAY A – NORTH				
STOPPING SIGHT DISTANCE: 35 MPH				
HIGH STREET APPROACHING FROM THE NORTH:		250 FT. (c)		368 FT.
HIGH STREET APPROACHING FROM THE SOUTH:		250 FT. (d)		500 FT.+
INTERSECTION SIGHT DISTANCE: 35 MPH				
LOOKING TO THE NORTH (LEFT):			390 FT. (c)	341 FT. (b)
LOOKING TO THE SOUTH (RIGHT):			390 FT. (d)	500 FT.+

- (a) RECOMMENDED MINIMUM VALUES OBTAINED FROM A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 7TH EDITION; AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), 2018.
(b) VALUES SHOWN ARE THE INTERSECTION SIGHT DISTANCE FOR A VEHICLE TURNING RIGHT OR LEFT EXITING A ROADWAY UNDER STOP CONTROL SUCH THAT MOTORISTS APPROACHING THE INTERSECTION ON THE MAJOR STREET SHOULD NOT NEED TO ADJUST THEIR TRAVEL SPEED TO LESS THAN 70 PERCENT OF THEIR INITIAL APPROACH SPEED.
BASED ON AASHTO STANDARDS IF THE MEASURED ISD VALUE (341') IS HIGHER THAN THE REQUIRED SSD VALUE (250'), THE INTERSECTION CAN OPERATE IN A SAFE MANNER, THEREFORE THIS DRIVEWAY WILL FUNCTION IN A SAFE MANNER.
(c) TRAVEL SPEED BASED ON POSTED SPEED OF 35 MPH. (85TH PERCENTILE SPEED IS 33 MPH)
(d) TRAVEL SPEED BASED ON 85TH PERCENTILE SPEED OF 35 MPH.

INTERSECTION SIGHT DISTANCE SUMMARY SITE DRIVEWAY B - SOUTH

LOCATION/DIRECTION	TRAVEL SPEED 85th-PERCENTILE	INTERSECTION SIGHT DISTANCE (FEET)		
		REQUIRED MINIMUM STOPPING SIGHT DISTANCE (SSD)	DESIRABLE INTERSECTION SIGHT DISTANCE ISD(b)	MEASURED SIGHT DISTANCE
PROPOSED SITE DRIVEWAY B – SOUTH				
STOPPING SIGHT DISTANCE: 35 MPH				
HIGH STREET APPROACHING FROM THE NORTH:		250 FT. (c)		481 FT.
HIGH STREET APPROACHING FROM THE SOUTH:		250 FT. (d)		500 FT.+
INTERSECTION SIGHT DISTANCE: 35 MPH				
LOOKING TO THE NORTH (LEFT):			390 FT. (c)	400 FT.
LOOKING TO THE SOUTH (RIGHT):			390 FT. (d)	500 FT.+

- (a) RECOMMENDED MINIMUM VALUES OBTAINED FROM A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 7TH EDITION; AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), 2018.
(b) VALUES SHOWN ARE THE INTERSECTION SIGHT DISTANCE FOR A VEHICLE TURNING RIGHT OR LEFT EXITING A ROADWAY UNDER STOP CONTROL SUCH THAT MOTORISTS APPROACHING THE INTERSECTION ON THE MAJOR STREET SHOULD NOT NEED TO ADJUST THEIR TRAVEL SPEED TO LESS THAN 70 PERCENT OF THEIR INITIAL APPROACH SPEED.
(c) TRAVEL SPEED BASED ON POSTED SPEED OF 35 MPH. (85TH PERCENTILE SPEED IS 33 MPH)
(d) TRAVEL SPEED BASED ON 85TH PERCENTILE SPEED OF 35 MPH.



INTERSECTION SIGHT DISTANCE LEGEND

SCALE: NOT TO SCALE

REVISIONS

2/10/29/21 SITE PLAN UPDATES
1/14/30/21 REVIEW & COORDINATION



DRAWN BY: JG

DESIGNED BY: DK

CHECKED BY: DK

Merrill
Engineers and Land Surveyors
427 COLUMBIA ROAD, HANOVER, MA 02339 / T: (781) 826-9200
26 UNION STREET, PLYMOUTH, MA 02360 / T: (508) 746-6860
WWW.MERRILLINC.COM

SITE PLAN
#15, 19, 27 & 35 HIGH STREET
NORWELL, MASSACHUSETTS 02061
OWNER/APPLICANT
NORTHLAND RESIDENTIAL CORPORATION
80 BEARRELL STREET, SUITE E
CONCORD, MASSACHUSETTS 01742

JANUARY 29, 2021

SCALE: 1"=30'

JOB NO. 20-127

LATEST REVISION:
OCTOBER 29, 2021

DRIVEWAY
SIGHT DISTANCE PLAN

SHEET C3.3