

KEY

- EXISTING EDGE OF PAVEMENT
- - - PROPOSED BERM
- UTILITY POLE
- POLE WITH LIGHT
- OVERHEAD WIRES
- - - 2' CONTOUR
- - - 10' CONTOUR
- x 123.1 EXISTING SPOT GRADE
- RETAINING WALL
- STONE WALL

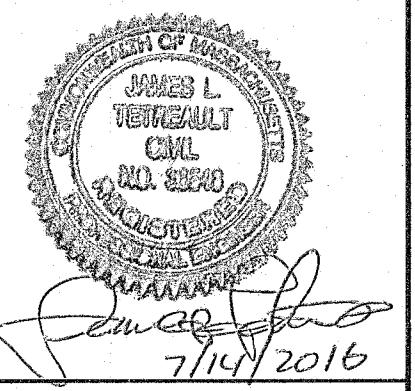
FROM AASHTO, THE DETERMINING FACTOR OF ADEQUATE SIGHT DISTANCE AT A RURAL T INTERSECTION IS A COMPARISON OF AVAILABLE SIGHT DISTANCE VERSUS STOPPING SIGHT DISTANCE FOR VEHICLES TRAVELING ON THE ROAD ONTO WHICH NEW TRAFFIC WILL TURN.

CONLEY ASSOCIATES' ATR DATA FOR ACTUAL TRAFFIC ON ADAMS ROAD FOUND THE 85TH PERCENTILE OF TRAFFIC TO BE TRAVELING AT 37 MILES PER HOUR. FROM EXHIBIT 5-2 OF "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" THE NECESSARY STOPPING SIGHT DISTANCE FOR TRAFFIC AT 40 MPH IS 305 FEET.

AVAILABLE SIGHT DISTANCE LOOKING NORTH FROM THE INTERSECTION OF ROAD A WITH ADAMS ROAD WITH THE DRIVER'S EYE 7 FEET BACK FROM THE ADAMS ROAD GUTTER LINE AND SET 1070 MM (42.1 INCHES) ABOVE THE ELEVATION OF PROPOSED PAVEMENT (APPROXIMATELY 0.2' ABOVE THE EXISTING GUTTER LINE) AND LOOKING NORTH FOR AN APPROACHING CAR 1300 MM HIGH (51.2 INCHES) IS 315 FEET. THE LIMITING FACTOR IS THE LOCAL HIGH POINT OF THE PAVEMENT OF ADAMS ROAD APPROXIMATELY 150 FEET NORTH OF THE PROPOSED INTERSECTION.

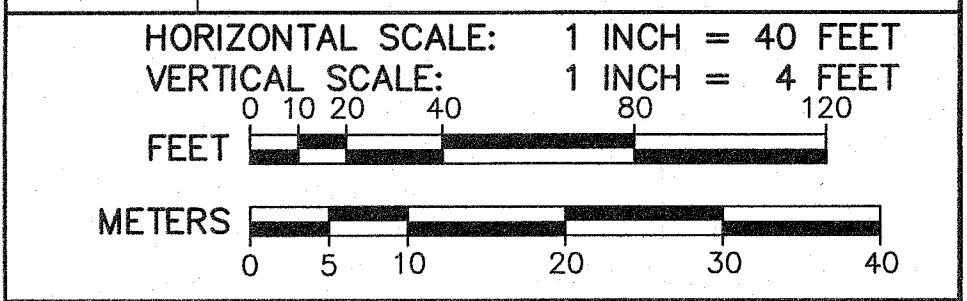
AVAILABLE SIGHT DISTANCE LOOKING SOUTH FROM THE INTERSECTION OF ROAD A WITH ADAMS ROAD AND USING THE SAME AASHTO STANDARDS FOR THE HEIGHT OF A DRIVER'S EYE AND AN APPROACHING CAR IS 395 FEET. IN THIS CASE, THE LIMITATION IS THAT THE CURVE OF THE ROAD WILL REQUIRE THE LINE OF SIGHT TO GO OFF THE PAVEMENT ONTO THE WEST SIDE OF ADAMS ROAD IF THE DRIVER AT THE NEW INTERSECTION IS TO SEE AN APPROACHING VEHICLE FROM ANY FURTHER AWAY.

PERSONNEL OF THOMPSON-LISTON ASSOCIATES CONFIRMED THE AVAILABLE SIGHT DISTANCE LOOKING TO THE NORTH IN THE FIELD ON JULY 13, 2016.



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CLT. NO.	1002	JOB NO.	328-0813
DATE:	JULY 14, 2016	DWG. NO.	CASA_WEST_STIDSEN.DWG
REVISIONS			
DATE:		DESCRIPTION	



"THE RIDINGS"
 SIGHT DISTANCE CONFIRMATION
 PLAN AND PROFILE OF ADAMS ROAD
 IN
 GRAFTON, MASSACHUSETTS
 PREPARED FOR OWNER/APPLICANT
CASA BUILDERS & DEVELOPERS CORP.
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