Standing on a large open lot, the Nathaniel Martin Webster House faces south onto Webster Street. A small nineteenth-century domestic-style cottage sits to the northwest of the house. Late nineteenth- and early twentieth-century, single-family dwellings border the property in this primarily residential neighborhood.
Oriented gable-to-street, this three-bay vernacular house features a two-story open porch with turned columns and an enclosed balustrade. Two-over-two sash are set in simple, painted surrounds, as is the side-hall, entry door. The gable end exhibits a small Victorian-period arched window, plain entablature, and overhanging eaves with a raking cornice. A diminutive brick chimney rises from the center of the house. Later additions extend from the rear elevation.

In April of 1873 Nathaniel Martin Webster and Erastus Collins purchased a large ten-acre parcel of land "lying ½ mile southerly from the village of Unionville" from Olive S. Porter (FLR 61:557). L. H. Perkins of New Haven acquired one-third of the property in January of 1874 (FLR 64:147). Three months later Collins and Perkins relinquished their interests in a portion of the lot solely to Webster (FLR 64:160). It was on this two-acre lot that Webster built the present dwelling between May of 1875 and February of 1876. He and his wife Addie first mortgaged the lot on May 22, 1875 to the Farmington Savings Bank with only a barn on the parcel (FLR 63:183). Nine months later when the property was mortgaged again to the bank, the deed specifically mentions a dwelling house (FLR 63:195). Webster, a farmer, was born in Farmington in 1841. His wife, whose maiden name was Warner, was born in Plymouth, Connecticut in 1851. Irish immigrant William Delaney (1842-1907) bought the house in 1883 for $1600 (FLR 68:16). Delaney, who is recorded as being employed as a fireman, was married to Mary Thomington of Chester, England. Delaney remained in the house until 1906. During the early twentieth century the house passed through a number of owners. In 1921 the Guroviches purchased the house (FLR 80:277) and it remained in the family until the present owners bought the house in 1978.

Although relatively modest in design, the Nathaniel Martin Webster House contributes to the historic character of Webster Street and is historically notable for its ties to the area's agricultural past.