St. Mary's Star of the Sea Church, located on Main Street at the intersection of Bidwell Square, is both historically and architecturally significant to Unionville due to its association with early Irish immigrants and the Gothic Revival style.
St. Mary's Catholic Church is a Gothic Revival building that features three entry doors of wood topped with pointed arch panels of decorative relief sculpture. The second story features a pointed arch window with stained glass. To the east of this window is a rose window made up of foils and patterned tracery. The building's gable-to-street roof is accented by the application of square bell tower with two vent windows on each side. A small cross sits at the peak of the tower's hip roof and the main block's gable roof. Small additions adjoin the building to the east and west.

The Star of the Sea Corporation built this church in 1876 for $30,000 under the guidance of the Rev. B. O'Reilly Sheridan. The society first organized in 1854 meeting in private homes and businesses. Its members were mostly immigrants from Ireland and numbered 600 in 1877. In 1884 a fire damaged the church requiring it to be rebuilt. Construction was completed in 1885. It underwent other remodelings during the early twentieth century. One of them was the removal of the needle-like spire, after it was struck by lightning in the 1930s and the flattening of the bell tower by a lower hip roof, giving it a much lower silhouette today.

Sources:
- Farmington Land Records
- Farmington Probate Records
- Farmington Vital Records
- Farmington Cemetery Inscriptions, W.P.A. 1934
- Avon Cemetery Inscriptions, W.P.A., 1934
- 1853 E.M. Woodford Map
- 1855 E.M. Woodford Map
- 1869 Baker and Tilden Map
- 1878 O.H. Bailey & Co., Map
- St. Mary's Catholic Church pamphlet