

FALMOUTH FIRE RESCUE



**NEW FIRE STATION COMMITTEE
INFORMATIONAL PRESENTATION
February 2022**



Ford Commercial, 1919, with Falmouth, Boston, St. Charles, Cape Cod, Cape Cod, Falmouth, Falmouth Fire Department.

Ford Falmouth Ladder Truck, on the street - 1912, Cape Cod Falmouth Fire Department.



Photo by Byron Hurst www.firenews.org



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Current Station Sizes and Apparatus

- HQ-1929/Renovation-Addition 2002
 - Square footage total all floors/basement: **24,552**
 - 8 Bays: 1 Engine, 1 Ladder, 1 Ambulance, 1 Shift Commanders Car, 1 Dive Truck, 1 trailered ATV, 2 trailer boats, 1 utility pkup, 1 Deputies Car-Parking lot: 3 staff SUV's (EMS & Fire Prevention) and Chief's Car (**FULL**)
 - 6-7 (recent add-on) Bedrooms, Male/Female bathrooms
- Station #2-1976
 - Square footage: **5,250** (no basement)
 - 3 Bays (Front) Drive thru: (1 Engine, 1 Ambulance, 1-HazMat trailer, 1 Fire Prevention trailer, 1 SAFE Education Trailer, Stored Vintage Ahrens Fox, Marine-1 (stored Dec-April) (**FULL**)
 - 2 Bedrooms, Male/Female bathrooms
- Station #3-1953
 - Square footage: **3,358** (no basement)
 - 2 Bays-1 Engine and 1 Ambulance (**FULL**)
 - 3 bedrooms (1 converted from storage room), 1- full bathroom upstairs, 1 latrine apparatus floor
- Station #4-1930
 - Square footage: **2,016** (does not include generator shed and rear stairs or partial cellar)
 - 1 Bay-1 Engine (**FULL**)
 - 2 bedrooms (1 up/1 down) 1 bathroom downstairs
- Station #5-1980 (w/Apparatus Repair Shop)
 - Square footage: Apparatus Bays and Living Area **7,524** w/Apparatus Repair Shop **10,893**
 - 3 Bay-Drive Thru-1 Engine, 1 Ambulance, 1 Brush Breaker, 1 Spare Ambulance, 1 CERT Vehicle, 1 Bay for Pending Spare Engine x2 (**FULL**)
 - 4 bedrooms converted from two in recent year for additional personnel. Male/Female bathrooms

Fire Station “Terminology”

- Prefix “Sub”: smaller or less important than someone or something ex. “a power substation” or one small part of a larger thing “a subset”.
- Falmouth FD describes it’s fire stations, other than HQ as “outlying stations”, but reference to this project as a “sub-station” is a term synonymous with fire service terminology to describe stations, other than HQ.
- **Example:** The Belmont Fire Department Substation is located at 99 Leonard Street in Belmont Center. Newly constructed in 2006, the building measures approximately 13,600 square feet with three and one quarter floors. It houses 3 equipment bays as well as bedroom accommodations for the firefighters. The FD serves a population of approximately 27K, in a 4.7 square mile area, with two stations staffed by 50 plus department personnel.



Station Needs and Design considerations

- Part of planning a new fire station includes: the distance between stations, the population served, and the hazards at particular locations.
- At first Station Building committee meeting, it was referenced that we were looking at a 10K sq ft. building and that a budget figure of 8 million dollars was being floated for construction for TM voters.
- OPM and Architect, with direction of committee engaged the FD staff to provide space needs and building considerations for design. FD Staff consisted of Chief, Deputy Fire Chief, Union President, Fire Inspector, and Fire Alarm Superintendent. Approach was to be conservative in our needs but to look towards a long-term building plan to provide a 50 plus year service life for resources and personnel staffing.
- A future staffing plan was presented in October 2021 to BOS for staffing when both Hatchville and combined North/West Stations are completed. 4 personnel Station at 3 stations (including Hatchville)
- FD Staff have reviewed current station maintenance and needs (all stations need upgrades), past and future needs, area served, etc. to provide a basis for future growth.
- Department staffing considered to match call volume and additional room(s) for station coverage for Storms or other Disasters or in the event a station was temporarily closed and the need to relocate personnel and equipment.
- No basement approach and storage to be incorporated in current design (one floor).
- Decon area/locker rooms to provide increased focus on health and safety of personnel. Currently, limited stations available for decon for department members and equipment.

Proposed area (growth)/Districts/Call Volume

- Area comprised of residential homes, places of worship, recreation fields, Cape Cod Fairgrounds, business plaza, electrical substation, numerous horse and bike trails, ponds, well traveled roadways (Sandwich Rd. and Rt. 151), etc.
- Per GIS Coordinator, there are 160 potentially developable or developable buildable lots for a total of 269 acres of land in the Hatchville Fire District.
- Ongoing project for Landscape Contractors yard and adjacent home building and preliminary discussion for 40B off Sandwich Rd. (30 acres).
- A **Primary District** is designated for Fire/EMS responses in a geographical area determined by FD. New District will encompass North and East sections previously responded to by other stations.
- **Secondary Districts** are those areas covered by adjacent districts that are not available due to incident responses. (i.e. East Falmouth Station unavailable and Hatchville Station is next due to respond to that area).
- In 2021 FFRD responded to 8,442 incidents. FFRD highest call volume on the Cape. Per McGrath report, they noted an increase of 3.3% per year or 33% over a 10-year period (2008-2018) (pg 45). Note: Post Pandemic, 12% increase between 2020 and 2021.

Preliminary District Call Volume

- Based on area proposed for our new response district for 868 Sandwich Rd. these streets are what we consider to be part of a district that will be created for the Hatchville District (primary). We estimate that there may be a **10% (or more)** expected area call volume based on one year data (2021) of responses in this area or approximately **812** responses (see map).
- In a twenty year period of calls, it is noted to be an average of 2.8% per year. Average daily response of 23-25 call per day-Town Wide.
- Not a day goes by where we do not see multiple simultaneous incidents requiring secondary station responses in other adjacent districts.

Proposed Hatchville District (Primary)

