

With respect to Township administrative functions, it should be possible to accommodate any additional space requirements in the next 10 to 15 years within the existing Township Hall. If administrative needs do expand unexpectedly, consideration should be given to electronic storage or off-site records storage as a means of achieving more usable floor space.

### Fire Protection Services

The Lyon Township Fire Department currently operates out of two fire stations:

- Fire Station #1, the main station, is located at 58800 Grand River Avenue on the north side of Grand River, west of the Township Hall. Completed in February 2001, this station contains 12,327 square feet.
- Fire Station #2, at 56675 Ten Mile Road, is located on the south side of Ten Mile east of Milford Road. This 5,563-square foot station was completed in January 2001.

The ability of fire fighters to respond adequately to the initial alarm is a key consideration in determining the appropriate locations for stations. A general rule of thumb is that within five minutes of sounding the alarm, the first piece of apparatus should arrive at the emergency scene.

The optimum fire company service radius depends on the type of use being served. High hazard and high value districts have more stringent service requirements than low hazard occupancies. The following list indicates one method of determining appropriate fire department response:

- **High Hazard Occupancies.** Schools, hospitals, nursing homes, mobile home parks and industrial uses which have a high fire potential.
- **Medium Hazard Occupancies.** Apartments, offices, mercantile and industrial occupancies not normally requiring extensive rescue or fire fighting services.
- **Low Hazard Occupancies.** Single family dwellings and scattered small businesses and industrial occupancies.

In general, high hazard or high value districts should not be farther than three-quarters to one mile from an engine, hose, or engine-ladder company. Under ideal conditions, single family residential districts, which are considered low hazard occupancies, should be located no farther than two or three miles from the fire companies. In Lyon Township, the location of high and medium hazard occupancies relative to the CSX railroad line affects fire station locational standards. Response time could be delayed by train traffic.

Fire Station #1, the northern station, provides good coverage for the most densely developed portions of the Township, including the medium and high-hazard occupancies in New Hudson, such as Dolsen Elementary School, South Lyon East High School, Kent Lake Elementary School, the apartments and mobile homes near Kent Lake Road, and industrial and commercial buildings along Grand River Avenue (see Map 15). Station #1 is in an optimal location relative to I-96, since accidents on the freeway generate a high demand for public safety services.

Fire Station #2, the southern station, provides good coverage for the densely developed areas of the Township south of the City of South Lyon, the Tanglewood development, Hardy Elementary School, and developing high value area in the central part of the Township. Clubhouses and restaurants at Tanglewood, Walnut Creek, Riverbank, and Cattails golf courses qualify as medium hazard occupancies, so the proximity of fire fighting equipment is a public safety concern.

Township fire protection is augmented by several aid and assistance agreements. The Township is a member of the Western Oakland Mutual Aid Association as well as the Washtenaw County Mutual Aid Association. Huron Valley Ambulance also provides assistance upon request. There has even been discussion at the State level of creating a state-wide mutual aid association. Nearby fire stations able to help with fire protection include a Novi Fire Department station at Ten Mile and Wixom Roads, a South Lyon Fire Department station at Ten Mile Road and Pontiac Trail, a Milford Township Fire Department station at Old Plank and Buno Roads, and a Greek Oak Township station at Ten Mile and Rushton Roads.

Based on the location of most new development in the Township, the existing stations should serve the Township adequately for at least 10-15 years. Should more development occur in the northeast part of the Township, for example, around the lakes owned by Levy, then another station might be needed in that vicinity.

### **Public Utilities**

Three public utilities typically associated with growth and higher density development are sanitary sewers and wastewater treatment, public water supply, and storm water management. In rural or semi-rural communities, sanitary sewers and wastewater treatment and public water utilities are often not a topic for discussion because each dwelling unit or development is expected to address these needs on their own site. Storm water management is a concern regardless of the density of development, but management of storm water is approached from a different perspective in rural communities where maintaining the productivity of agricultural lands is the priority.