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ILLINOIS INSPECTION AND RATING BUREAU

(PROPERTY INSURANCE)

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January 7, 1963

copies to Trustees Jacks 2/25/63 Capelle

" " all Trs. 4/23/64

Hon. John B. Blanke, President
Village Hall
Barrington, Illinois

Dear Sir:

RE: Barrington, Illinois, Fire Protection

We recently conducted a complete survey of the fire defenses afforded your village and the results of this survey indicate that your existing 6th class fire insurance rating classification is still in order.

To further improve the fire protection of Barrington, we wish to direct your attention to the recommendations attached, which are designed to guide immediate and future planning. In view of the continuing expansion and growth trend of Barrington, some initial progress along these lines is urged to continue to maintain the existing classification, and if a better classification is desired at some future date, major accomplishments under this program would be required.

Following your review of these recommendations, we would appreciate receiving information from you as to those items which can be accomplished at an early date and those which are contemplated for eventual action. We can then inform you as to the effect of the program contemplated by the village on the fire protection grading and classification.

We will be pleased to consult with you and appropriate village officials at any time regarding the fire protection grading at Barrington.

In the interest of better fire protection, we remain

Yours very truly,

A. H. Gent
Chief Engineer

MLA:MC
Encl.

cc: Mr. Harold E. Martens, Fire Chief
Mr. Henry Johanesen, Sup't of Public Works

ILLINOIS INSPECTION AND RATING BUREAU
CHICAGO, ILLINOIS

January 7, 1963

RECOMMENDATIONS

BARRINGTON, ILLINOIS

Water Supply

1. Provide as contemplated a 1000 g.p.m. well pump, pumping directly into the distribution system. Such pumping facilities should be normally electrically driven with an auxiliary gasoline engine drive or auxiliary power supply for use in case of a power failure.

2. Levels in the standpipes should be better maintained so that the minimum capacity in the standpipes will never be less than 80% of full capacity. It is urged that operational controls and recording devices be arranged so that these levels will be automatically maintained.

3. Plans and records of operations, pumping station facilities, the distribution system and all other waterworks structures should be improved upon and kept on file by the water department. Such records should be kept up to date and shouldbe readily available in case of an emergency. These should include a map of the distribution system showing all mains, valves, hydrants and services in detail.

4. The preventive maintenance program should be expanded and all hydrants and valves should be inspected and tested at least annually to insure good serviceable condition and ease of operation at all times. Defective or inoperative hydrants and valves should be immediately repaired or replaced. Proper records and data should be maintained on each hydrant and valve and should be properly recorded in case of inspection or other repairs.

5. Initiate a replacement program for all small hydrants in the Principal Business District and replace with hydrants having a pumper connection in addition to two $2\frac{1}{2}$-inch hose outlets, 6" barrels and 6" gated branches to the street mains.

Fire Department

6. Provide a ladder truck, preferably with aerial equipment. Consideration should be given to including a pump of at least 750 g.p.m. capacity with this apparatus. The length of the aerial equipment should be determined by the location and size of buildings it will be required to protect, and we suggest that a study be made of the various structures throughout the village to determine what length would be sufficient.

7. Remodel present fire stations to provide adequate space for necessary facilities needed for efficient fire department operations. Fire stations are very crowded and lack many necessary facilities.

8. Provide a sufficient amount of additional 2½-inch double jacketed fire hose so that a total of at least 6,000 feet of good 2½-inch hose is available for service in the department.

9. A comprehensive training program should be initiated. This program should cover all phases of fire department operations and should include basic hose, ladder, pumper and equipment evolutions. We are enclosing a copy of our suggested training program procedure which we feel should prove of value to the fire department in their efforts in this endeavor.

10. Test each pumper from draft at least once a year and also after extensive repairs, following the method published by the National Board of Fire Underwriters. Adequate records should be kept in connection with this program.

11. Continue to improve fire department records.

Ordinances

12. Enact and enforce ordinances regulating hazardous materials, processes and occupancy. The Fire Prevention Code published by the National Board of Fire Underwriters is recommended as a standard. A comprehensive fire prevention program should be initiated and regular building inspections should be conducted at least annually of all mercantile, industrial and public buildings by members of the fire department and records kept of such inspections.