

May 15, 1947.

RIDGEWOOD VILLAGE, BERGEN COUNTY, NEW JERSEY.

Population - 1940 Census - 14,948. Local Estimate - 17,000.

IN GENERAL: Located on the main line of the Erie Railroad about 5 miles north of Paterson. It is a substantial residential community with a moderately extensive mercantile district and no manufacturing. Area about 5.7 square miles. Elevations range from 60 to 336 feet. Practically all streets are improved and in good condition. No grade crossings, but the railroad effects some segregation, with only two main underpasses to the westerly section, one of which is subject to closing during heavy rainfall. Grades are moderate to severe to the northwest. Traffic congestion and parked vehicles in the business area could effect delays in the response and vehicles in the business area could effect delays in the response and operation of the fire department.

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WATER SUPPLY: The Village of Ridgewood owns and operates the supply works, distribution system, and appurtenances, supplying water for domestic and fire protection purposes to Ridgewood, Midland Park, Glen Rock, and Wyckoff Township, and sells water at wholesale to the Borough of Ho-Ho-Kus. The system was installed in 1900 and has been subsequently improved and extended. Organization: The water department is under the control of the village commissioners. The organization includes a competent experienced superintendent, I general foreman, I assistant foreman, 2 plant operators, 3 assistant operators, 4 meter men, and about 10 regular laborers with others as needed. Employees are appointed for indefinite terms under Civil Service regulations, and long tenures have been the practice. The superintendent has been in charge since the village acquired the system in 1921 and had had 7 years' experience with the previous owner. The foremen and other employees are members of the fire department. Office in municipal building on Oak Street in the business district. Vehicles, shop and supplies are provided at yard adjacent to fire headquarters on Hudson Street. Records are very complete and well kept, and include an excellent distribution map, detailed plans, and operating data. Supply Works: Water is obtained from 8 well fields, 5 of which are in Ridgewood, 2 are in Wyckoff Township and 1 is in Midland Park. Wells are operated by low or high lift deep well turbines except that the Glen Avenue well is operated by direct suction. The aggregate safe yield of the well fields is estimated to be 4.90 m.g.d. not including the Ames well field in Wyckoff Township which was under development at time of inspection, and which will furnish an additional yield of 1.66 m.g.d. on completion of pump installations during the current year. The high lift deep well turbines except that the Glen Avenue well field in Wyckoff Township which w

Linwood Avenue: One 12-inch well 300 feet deep-capacity 300 g.p.m

Ridgewood Avenue: One 12-inch well 205 feet deep-capacity 250 g.p.m.

Grove Street: One 12-inch well 300 feet deep-capacity 200 g.p.m. Fairview Street: One 12-inch well 402 feet deep-capacity 3/5 g.p.m.

Wortendyke Station: 3 of 4 12-inch wells in use, 203-360 feet deep. The aggregate capacity of the pumped wells is 525 g.p.m.

Glen Avenue: Eight 8-inch wells 199 feet deep, with an aggregate capacity of 800 g.p.m.

Cedar Hill Station: Six 12-inch wells 315 to 500 feet deep with an aggregate capacity of 950 g.p.m.

Ames Well Field: Eight 12-inch wells 305 to 480 feet deep, 5 of which are to be equipped with pumps immediately. The aggregate capacity of the well field is 1.66 m.g.d. as presently developed.

developed.

Pumping Stations—Linwood Avenue Station: Located on the north side of Linwood Avenue at Northern Parkway. Elevation of floor 78.6. Building is 1-story, small area, stone faced, brick and concrete with wood scuttle in concrete roof, concrete floor, wired glass windows in metal frames, and wood door; no hand protection; house-keeping good; exposure negligible. Equipment: One 300-g.p.m. Cook high lift deep well turbine driven by a 30-h.p. U. S. motor, manually controlled from pump house or Glen Avenue Station. Ridgewood Avenue Station: Located on the south side of Ridgewood Avenue between Eastside Avenue and the Saddle River. Elevation of floor 68.8. Building 1-story, small area concrete, with copper covered wood scuttle in concrete roof, concrete floor, wired glass windows in metal frames, wood door with plain glass; no hand protection; housekeeping good, exposure negligible. Equipment: One 250-g.p.m. Cook high lift deep well turbine driven by a 30-h.p. U. S. motor automatically controlled at about 20 pounds drop in pressure. Grove

Street Station: Located on the north side of Gove Street between Irving Street and South Van Dien Avenue. Elevation of floor 66.5. Station component: One Fairbanks-Morse More. Riving Street and South Van Dien Avenue. Elevation of floor 66.5. Station Component: One Fairbanks-Morse motor. Fairview Street Station: driven by a 25-h.p. Fairbanks-Morse motor. Fairview Street Station driven by a 25-h.p. Fairbanks-Morse motor. Fairview Street station control and operation similar to Ridgewood Avenue Station, except that pump has a sepacity of 375 gp.m. Wortendyke Station in Located on zone map No. 199. At each of the three operating wells there is a building with equipment of the same type as the Ridgewood Station except that one pump has a capacity of 125 gp.m. and two have a capacity of 200 gp.m. They are respectively driven by 10-h.p., 15-h.p., and 20-h.p. electron colors. With the state of the same type as the Ridgewood Station except that one pump has a capacity of 125 gp.m. and two have a capacity of 56.880 gallons. Pumps are controlled by float switches or may be manually operated. Main pumping station is 1-story brick with slate roof, concrete floor, plain glass windows in wood frames, hot water with the state of the sta

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frozen mains or electrolysis. Total length in Ridgewood, 346,600 feet; 3.86% 12-inch, 2.74% 10-inch, 16.74% 8-inch, 73.40% 6-inch, and 3.26% 4-inch. Gate Valves: There are 656 in Ridgewood mainly of Eddy make set with iron boxes at grade or in manholes. Direction of operation is uniform and they are inspected annually. Hydrants: There are 467 public hydrants and 2 private hydrants in Ridgewood of Eddy make of standard type. About 25% have two 2½-inch outlets and about 18% have 4-inch branches. Outlet threads are National Standard. About 69% of the branches are gated. Hydrants are inspected semi-annually and were found to be in good condition at time of inspection. Pressures: Pressure recording gauge in department office in business center at elevation 124 showed 81 pounds at time of inspection and one in the fire headquarters at elevation 156 normally shows about 75 pounds. Other gauges located in Glen Rock center and in pumping stations show pressures to be well maintained. Readings taken at 10 well distributed hydrants showed pressures on the low service to range from 76 to 104, with an average of 80.7 pounds, and on the high service from 77 to 84, with an average of 80.7 pounds. General average is 85.9 pounds. Fire Flow Tests: Probable supply available for fire protection purposes was measured on October 5, 1937 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Ridgewood Ave. between Broad and Chestnut Sts., 2,320—80—55.

Oak St. and Franklin Ave., 1,570-87-68. Ridgewood and Van Dien Aves., 1,420-97-68. Stevens Ave. 1,200 ft. S. of Grove St., 490-104-11. Van Emberg Ave. W. of Theyken Ave., 890-85-32. E. Glen and Fairfield Aves., 1,185-88-60. Lincoln Ave. and Greenway Rd., 1,130-76-27.

Upper Blvd. S. of Glenwood Rd., 1,130-77-40. Hillcrest Rd. W. of Stratford Rd., 1,055-81-23. Knollwood and Greenway Rds., 470-84-9.

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FIRE DEPARTMENT: A part paid and volunteer organization under the control of the village. The volunteer organization has a total membership of 35 including a chief in the employ of the Village Shade Tree Department, and assistant chief who is superintendent of fire and police alarms, 3 captains and 3 lieutenants, at least half of whom are in the employ of the municipality and of whom a minimum of 24 are available at all times. The paid force consists of 16 firemen working on two platoons with 10 men assigned to headquarters and 6 men assigned to the Glen Avenue Station. Officers are appointed by the mayor and commissioners under Civil Service regulations. The village appropriation for the support of the department during 1947 was \$60,192. A village repair shop is provided and maintenance is in charge of a full paid mechanic. Companies—Headquarters: Located on Hudson Street east of Broad Street. Building is a 2-story joisted brick structure with asbestos shingled wood roof, concrete apparatus floor, steam heat, electric lights and hose tower. Equipment: One 1928 American La France 750-g.p.m. triple combination pumping engine carrying one 100-gallon booster tank, 150 feet of booster hose, 1,050 feet of 2½-inch hose, 2 short ladders and fairly complete minor equipment. One 1936 Dodge hose car carrying 1,100 feet of 2½-inch hose, 2.

1,100 feet of 1½-inch hose, 2 short ladders and some minor equipment. One 1925 American La France 75-foot aerial ladder truck with ladder pipe carrying 10 ground ladders ranging from 12 to 35 feet and totaling 213 feet, and complete minor equipment. One 1941 Mack booster car and emergency truck equipmed with a 200-g.p.m. booster pump and carrying a 250-gallon booster tank, 300 feet of booster hose, 650 feet of 1½-inch hose, concrete apparatus floor, cil-fired steam heat, and electric lights. No hose drying facilities, but a cabinet drier is to be installed. Equipment. One 1923 American La France 75

supervision is exercised by the governing body. The paid men drive and operate apparatus and additional volunteers are available. Motors are started weekly, Drills and Training: Drills are under the direction of the chief and captains and consist of ladder work, hose laying, and engine operation. Paid men are drilled twice each week and volunteers drill monthly. Fire Methods: Booster streams and 1½-inch treams with shut-off nozzles. Heavy stream appliances consist of a deluge set, I ladder pipe, and I cellar pipe. Gas masks and salvage covers are provided. Response to Alarms: The pumping engine, hose car, and ladder truck from headquarters respond to all alarms east of the railroad, and the pumping engine from the ledn Avenue Station and the hose car and ladder truck from headquarters respond to all other alarms. Substantial at mask and from the surrounding volunteer departments in Paterson and Hackenses and from the surrounding volunteer departments and Hackenses and from the surrounding volunteer departments in Hackenses and from the surrounding volunteer departments. He will be a supervision of the chief of the department. Records and Reports: Log book records of alarms and attendance are fairly complete and fire prevention inspections are made of mention and the surrounding volunteer department. Records and Reports: Log book records of alarms and attendance are fairly complete and fire prevention inspection records were being compiled at time of inspection. Hose records are incomplete. Fire Alarm System: The system is under the supervision of the village commissioners and in charge of the village electrician who is the assistant chief of the volunteer fire department. The system consists of an 8-circuit Gamewell automatic system installed in 1930. Headquarters in a room with ordinary communications. Battery and rectifier rooms are similarly located. Equipment consists of an 8-circuit Gamewell repeater with 6 box and 2 alarm circuits with 1930. Headquarters are quipment is located on the apparatus floor of f

POLICE DEPARTMENT: Consists of 24 full paid men including a chief, 2 captains, 4 lieutenants, 1 sergeant, and 16 patrolmen working in 8-hour shifts. Five radio patrol cars, an ambulance, and a rescue truck with fair emergency equipment are provided. Coperation with the building and fire departments is good. A signaling system consisting of 31 Gamewell boxes operated through the fire alarm headquarters equipment is installed.

BUILDING LAWS: Code adopted May 15, 1935 provides for a building committee and inspector, requires the approval of plans and specifications for building operations, and embodies fair construction requirements. It establishes adequate fire limits in which combustible roofs are prohibited.

FIRE PREVENTION LAWS: The building code embodies provisions relating to garages and gasoline storage. A fire prevention ordinance adopted October 23, 1934 delegates general authority for inspection to a bureau of fire prevention under the supervision of the fire department. Regulations are not sufficiently comprehensive from a fire protection standpoint. In addition there is a satisfactory ordinance governing the installation of oil burning equipments for which certificates of approval are required. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: Adopted April 23, 1946.