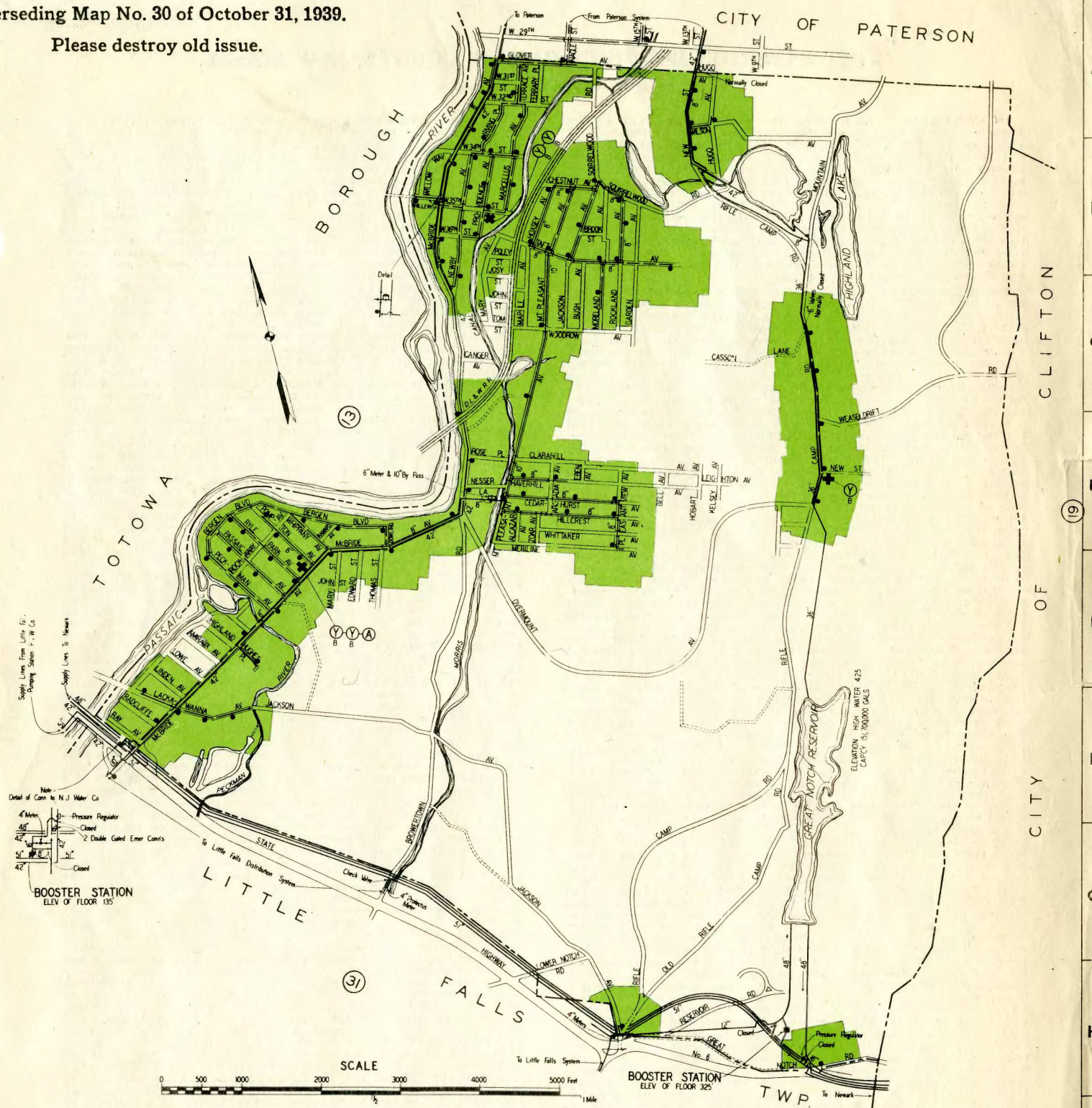


Superseding Map No. 30 of October 31, 1939.

Please destroy old issue.



KEY

PROTECTED FIRE ZONE: Shown in Green.

NOTE.—For description of fire protection, etc., see other side.

Elevations range from 120 to 563 feet above mean sea level.

Water mains 8 inches and larger in diameter

Water mains 6 inches in diameter

Water mains 4 inches in diameter

Fire hydrants shown thus

Gate valves shown thus

Fire house shown thus

Fire apparatus designated by symbols thus:

(Y) Pumping engine and hose car

(A) Ambulance, Squad or Auxiliary car

(O) Booster tank or tanks on above

Schedule Rating Office of New Jersey  
ENGINEERING DEPARTMENT  
NEWARK, N. J.

**West Paterson Borough**  
**Passaic County, New Jersey**

FEBRUARY 29, 1944

## WEST PATERSON BOROUGH, PASSAIC COUNTY, NEW JERSEY.

Population—Census of 1940 was 3,306.

**IN GENERAL:** Located along the southeasterly bank of the Passaic River adjoining the southwesterly limits of the City of Paterson. The Erie and D. L. & W. Railroads serve the surrounding municipalities. West Paterson is mainly a residential community with one dipped rubber goods plant, a mechanical instrument industry and 4 other small establishments employing about 800. Area about 3.0 square miles. Elevations range from 120 to 563. Main thoroughfares are improved and in good condition. Numerous other streets are gravel in fair to poor condition. Grades are severe to the easterly portion of the borough, direct access to which section from the lower portions of the borough is over a narrow railroad bridge which could retard the response of fire apparatus. Other features are such that there should be no unusual delay in fire department response or operations.

**WATER SUPPLY:** The borough is mainly supplied with water for domestic and fire protection purposes by small isolated distribution systems receiving their supply through connections to the 42-inch transmission main of the Passaic Valley Water Commission which extends through the borough from the Little Falls Pumping Station to the City of Paterson. The supply to the territory along the Passaic River is distributed by the New Jersey Water Service Company which owns and operates the distribution system supplying the lower section of West Paterson through two 4-inch metered connections. The most westerly connection, supplying the Ryle Park section under increased pressures, is located at a booster station on McBride Avenue at the Little Falls municipal limits, and the other connection, supplying the West Park section, is located at McBride Avenue and Hillery Street. For a detailed description of the New Jersey Water Service Company and the Passaic Valley Water Commission systems organizations and supply works, see report on Little Falls with Map No. 31. The supply to territory southeast of the D. L. & W. Railroad, exclusive of a small area on Rifle Camp Road at New Street, is distributed by a municipally owned system supplied at wholesale from the New Jersey Water Service Company distribution system through a 6-inch metered connection to the 8-inch main terminating in McBride Avenue near Messer Road. A small municipally owned and operated system along Rifle Camp Road is supplied by a 6-inch line with a 6-inch meter from the 36-inch emergency connecting main between Great Notch and the New Street reservoirs of the Passaic Valley Water Commission. In addition a small area on New Street near the Paterson limits is supplied directly by the Passaic Valley Water Commission from an 8-inch main connecting with the 36-inch emergency main from the Great Notch reservoir. **Municipal Water Department:** It is under the control of the mayor and council and in charge of an annually appointed water registrar who functions as superintendent. No adequate regulations governing the qualifications of appointees to the position of registrar. Extensive repairs and extensions are made under contract. Records are incomplete and no repair shop, supplies, yard or car are provided. There are no suitable arrangements for the response of water department employees to alarms of fire prepared to render emergency assistance. **Distribution System:** In three services; see map and description above. **Consumption:** The average daily consumption in territory in Little Falls and West Paterson supplied from the Passaic Valley Water Commission by the New Jersey Water Service Company for the twelve-month period ending September 30th, 1943 was 396,000 gallons. Of this amount approximately 19,500 g.p.d. is sold at wholesale to the Borough of West Paterson municipal system. At the time of inspection there were approximately 1,376 and 429 services in Little Falls and West Paterson respectively supplied by the New Jersey Water Service Company. **Pipe:** All cast iron, tar coated, about 70% of which is bell and spigot joint and the remainder Universal joint. Total length in borough, 83,925 feet; 0.7% 4-inch, 29.7% 6-inch, 22.2% 8-inch, 47.4% 10-inch exclusive of large supply mains serving primarily as transmission lines to other municipalities. No serious trouble reported from frozen mains or electrolysis. **Gate Valves:** There are 111 on the system of Rensselaer and other makes. Direction of operation is uniform. No regular inspection practice established except that all valves have been inspected and serviced during the past year. The fire department is notified when valves, affecting supply to hydrants, are operated. **Hydrants:** There are 85 on the system in West Paterson of Corey, Pratt & Cady, and Iowa makes of standard type with two 2½-inch outlets and 4-inch branches. About 40% are equipped with an additional 2½-inch outlet and about 80% of the branches are gated. The 2½-inch outlets are 3 inches outside diameter with 8 threads per inch and the steamer outlets are 4½ inches outside diameter with 6 threads per inch. Direction of operation is uniform, but some irregularity was noted in size of operating nuts. Hydrants are inspected at least annually by the fire department and the water company, and at time of inspection the hydrants were found to be in fair to good condition. **Pressures:** Recording pressure gauge in water company office at about elevation 200 shows pressures to be well maintained at 90 to 110 pounds on the Little Falls low service. Readings taken at well distributed hydrants showed pressures as follows: southwesterly section 122 pounds, northwesterly section 62 pounds, easterly section 50 to 86 pounds except along Rifle Camp Road and New Street where pressures range from 13 to 64 pounds. Average pressure over the entire borough is about 76 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

New Jersey Water Service Company System—November 8, 1943—  
McBride and Ryle Park Aves., 670—122—22.

McBride Ave. and W. 36th St., 445—66—24.

Municipal System—October 30th, 1934 and November 8th, 1943—  
Hillcrest and Pleasant View Aves., 421—61—13.

Rockland Ave. between Taft Ave. and Squirrel Woods Rd., 421—86—20.

Taft Ave. E. of Mountain Ave., 200—50—2.

Rifle Camp Rd. and Weasel Drift Rd., 238—13—0.

Passaic Valley Water Commission System—October 30th, 1934—

Wilson Ave. and New Street, \*—64—\*.

\* No reading taken.

**FIRE DEPARTMENT:** A volunteer organization of three companies under the control of the borough which owns houses, apparatus, and equipment and makes an annual appropriation for the support of the department. Total active membership 54, evenly divided between the three companies, including a chief, 2 assistant chiefs and in each company a captain and lieutenant. The chief officer is elected for a three-year term; other officers are elected annually and all are confirmed by the mayor and council. Candidates for the office of chief must have previous experience as assistant chief. A minimum of 15 members in each of the three companies are available at all times. **Companies—West Paterson Volunteer Company No. 1:** Located on West 35th Street at Providence Avenue as shown on map. Building is a 2-story frame structure with composition shingle roof, concrete and wood apparatus floor, electric lights and hot air heat. **Equipment:** One 1939 General Fire Truck-G.M.C. 500-g.p.m. triple combination pumping engine carrying one 100-gallon booster tank, 200 feet of booster hose, 1,000 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders, and fairly complete minor equipment. One 1927 G.M.C. 300-g.p.m. triple combination pumping engine carrying one 150-gallon booster tank, 200 feet of booster hose, 2 short ladders, 350 feet of 2½-inch hose, and some minor equipment. **Passaic Valley Hose Company No. 2:** Located on McBride Avenue at Ryle Park Avenue as shown on map. Building is a one-story frame structure with composition shingled roof, steam heat, wood floor, and electric lights. Telephone installed in police headquarters in building. **Equipment:** One 1939 General Fire Truck-G.M.C. 500-g.p.m. triple combination pumping engine carrying one 100-gallon booster tank, 200 feet of booster hose, 1,000 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders, and fairly complete minor equipment. One 1926 Peter Pirsch-Reo 300-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 150 feet of booster hose, 350 feet of 2½-inch hose, 2 short ladders, and some minor equipment. One Packard emergency car carrying one 500-watt portable generator, 2 portable floodlights, and considerable emergency and rescue equipment. One O.C.D. 500-g.p.m. trailer pumping engine with standard equipment. **Rifle Camp Fire Company No. 2:** Located on Rifle Camp Road near New Street as shown on map. Building is a one-story frame structure with composition shingled roof, hot air heat, wood floor, electric lights, and telephone. **Equipment:** One 1942 General Fire Truck-G.M.C. 500-g.p.m. triple combination pumping engine carrying one 100-gallon booster tank, 200 feet of booster hose, 1,000 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders and fairly complete minor equipment. **Hose:** All 2½-inch hose is C.R.L. with New York type screw couplings. The total supply is 3,700 feet and all is carried on the apparatus. Of the total supply, 600 feet is more than 5 years old and all but 500 feet is double jacketed. Hose is tested twice annually at 120 pounds. **Operations:** Department is governed by municipal ordinance and company by-laws. The chief has control of apparatus at all times and of men at fires and drills and exercises general supervision as to the operations of the department. Motors are started and batteries are checked daily. Three operators are designated for each apparatus. **Drills and Training:** Company drills are held twice weekly, with alternate drills combined to include the whole department. They consist of pump operation, hose laying, ladder work, and use of appliances. **Fire Methods:** Booster lines and hand extinguishers are used on incipient fires supported by engine streams with shut-off nozzles and special appliances. One all-service gas mask and one salvage cover is carried on each engine and modern minor equipment is provided. **Response to Alarms:** All companies respond to borough alarms. One company is assigned to outside calls. Aid may be secured from the surrounding volunteer departments at Little Falls and Totowa, and from the adjoining paid department at Paterson. **Building Inspection:** A recently inaugurated program includes the inspection of mercantile occupancies and places of public assembly 4 times each year by chief officers in accordance with standard practice. **Records and Reports:** Records are fairly complete, consisting of fire reports by company captains in a log book maintained by the chief officer, and summarized monthly reports filed with the mayor and council. **Fire Alarm System:** Consists of a Sterling utility company power circuit maintained by an experienced part-time electrician who services numerous installations in this locality. Circuit is about 10 miles in length consisting of No. 8 hard drawn copper, weatherproof, triple braided wire carried on utility company poles below power lines. Equipment at each station consists of a siren and relay together with a punch register of Sterling make. Power is supplied by the Public Service Gas & Electric Company at 110 volts. There are 17 Sterling interfering street boxes mounted on pedestals and painted red. No lights provided. Inside wiring is in conduit and lightning arresters and fuses are provided at building entrances. Boxes are individually tested weekly in rotation and occasional system tests are made by the electrician. Records of tests and system operation are incomplete. Telephone alarms are transmitted to police headquarters in same building with Passaic Valley Hose Company No. 2, or to the clerk's home nearby. Radio communication to police car is provided.

**POLICE DEPARTMENT:** Consists of a chief, captain, sergeant, and special officers. One paid officer is on duty at headquarters or in patrol car at all times. Patrol car is radio equipped.

**BUILDING LAWS:** Code adopted on February 6th, 1930 and subsequently amended provides for the annual appointment of a building inspector and requires that plans and specifications be submitted and approved for building operations. Code contains some good features, but does not establish fire limits nor prohibit combustible roofs. In general the regulations are not sufficiently comprehensive from a fire protection standpoint.

**EXPLOSIVES AND FLAMMABLES:** A fire prevention ordinance adopted September 8th, 1943 modeled on the regulations of the National Board of Fire Underwriters provides relatively good control of common hazards. Enforcement by the chief of the fire department is satisfactory. The state laws adequately cover the storage and shipment of explosives and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

**ZONING ORDINANCE:** Adopted in 1940.