



# KEY

PROTECTED FIRE ZONE: Shown in Green.

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

Elevations range from 10 to 33 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

(O) Booster tank or tanks on above

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

**Bridgeport**  
**Logan Township**  
**Gloucester County, New Jersey**

SEPTEMBER 30, 1940.

VOID

**BRIDGEPORT, LOGAN TOWNSHIP, GLOUCESTER COUNTY, NEW JERSEY.**

Population—Census of 1930 was 1,860.

Estimated Local Population, 900.

**IN GENERAL:** Located on the Penns Grove Branch of the West Jersey and Seashore Railroad about 21 miles southwest of Camden. It is a residential community supported by a saw mill and boat works together with some agriculture and fishing. Area of mapped portion about 0.3 square miles. Elevations range from 10 to 33 feet. Main thoroughfares are macadam and concrete; other streets are unimproved, but in fair condition. There are no features which should seriously interfere with the response and operation of the fire department.

**WATER SUPPLY:** The Bridgeport Water Company, a subsidiary of the Colonial Utilities Corporation owns and operates the supply works, distribution system and appurtenances, supplying water for domestic and fire protection purposes to territory within Bridgeport proper. The system is in charge of the superintendent of the Penns Grove Water Supply Company together with one local employee who operates pumping equipment and maintains the system with assistance from the Penns Grove Water Company and laborers as needed. No local office. Records are incomplete. The operator responds to pumping station on alarms of fire. Emergency equipment and vehicles provided at Penns Grove. **Supply Works:** Constructed in 1921 with new pumping equipment installed in 1940. Water is obtained by a deep well turbine and direct suction from one 10-inch well 41 feet deep with an estimated yield of 0.16 m.g.d. Deep well pump discharges to the distribution system with an elevated tank acting as an equalizer and reserve direct suction pumping equipment is also connected to the deep well turbine discharge line and is normally held in reserve. **Pumping Station:** Located opposite the southerly end of Railroad Avenue as shown on map. Building is a small area 1-story frame structure with composition shingle roof and stove. No electric lights installed. Mild exposure from frame buildings 100 feet distant. No hand protection. Housekeeping only fair. Elevation of pump room floor about 10. At time of inspection deep well turbine had just been installed outside of the pumping station and no building had been provided. **Equipment:** One Sterling deep well turbine rated at 150 g.p.m. driven by a 7½-h.p. G. E. motor. **Reserve Equipment:** One 6-inch x 8-inch 141-g.p.m. Deming triplex single acting pump driven by a 10-h.p. Otto gasoline engine. **Distribution System:** In one service consisting of a 6-inch artery with 4- and 6-inch dead ends. See map. **Elevated Tank:** Located at pumping station as shown on map. It is steel, 18 feet in diameter by 20 feet high on a 125-foot steel tower with a capacity of 50,000 gallons. Elevation of base about 10. Elevation of overflow about 155. **Consumption:** The average and maximum daily pumpage during 1939 was 0.022 and 0.057 million gallons. On December 31, 1939 there were 142 active services, 121 of which are metered. **Pipe:** All cast iron, tar coated, bell and spigot joint laid with 4-foot minimum cover. Total length, 8,310 feet; 48% 6-inch, 52% 4-inch. No trouble reported from electrolysis, but some freezing has been experienced. **Gate Valves:** There are 4 on the system of R. D. Wood make set with iron boxes at or near grade. Direction of operation is uniform. Inspection is limited to that necessitated by system maintenance. **Hydrants:** There are 20 on the system of R. D. Wood make of standard type with one 2½-inch and one 4½-inch outlets and 4-inch ungated branches. Hydrants are inspected at least twice annually and were found to be in fair operating condition, but some were set too low at time of inspection. **Pressures:** No recording gauge on system. Pressure gauge installed in pumping station at about elevation 15 showed

61.5 pounds at time of inspection with standpipe about 5 feet below full level. Pump is set to operate automatically between a 6-foot variation in tank level. Readings taken at four well distributed hydrants showed pressures ranging from 50 to 60 with an average of 55 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on August 15, 1940, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Main St. west of Springers Alley, 200—52—2.

Main St. E. of Grand Spruce Rd., 200—50—2.

Mechanic St. at Grand Spruce Rd., 50—50—0.

S. Bridgeport Rd. S. of Railroad, 50—60—0.

**FIRE DEPARTMENT:** Volunteer organization of one company under the partial control of the township committee. Company owns quarters, apparatus and equipment. Total active membership 9 in addition to which there are 6 active exempt members including a chief, assistant chief, and foreman of whom a minimum of 8 members are available at all times. Officers are elected annually by the company, except that the chief officer alternates between the two township companies. **Company:** Located on Main Street near Springers Alley as shown on map. Building is a 2-story cement block structure with composition covered wood roof, concrete apparatus floor, hot water heat and electric lights. No telephone installed. **Equipment:** One 1931 Hahn Ford 250-g.p.m. triple combination pumping engine carrying one 80-gallon booster tank, 200 feet of booster hose, 750 feet of 2½-inch hose, 300 feet of 1½-inch hose, 2 short ladders and some minor equipment. In addition 4 ladders up to 35 feet are kept in fire station. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. The total supply is 750 feet of which 450 feet is more than five years old. A drying rack is installed in fire station. Hose is repacked and tested at normal pump operating pressures in part at drills. **Operations:** Department is governed by company by-laws under the supervision of district fire commissioners. The chief officers have full control of apparatus at all times and of men at fires and drills. Motor is started at least weekly and there are 3 appointed drivers. **Drills and Training:** Company drills are held monthly under the direction of the chief officers. They consist of hose laying, pump operation and some ladder work. **Fire Methods:** Booster streams and hand extinguishers are used on incipient fires supported by engine streams with shut-off nozzles or open playpipe. No gas masks, salvage covers, or heavy stream appliances provided. **Response to Alarms:** Company responds to all township alarms and aid may be secured from the surrounding volunteer departments at Swedesboro and Gibbstown. **Building Inspection:** None by fire department. **Records and Reports:** Records consist primarily of fire reports including attendance and nature of alarms. Monthly reports are filed with the county association. **Fire Alarms:** Telephoned through a local exchange in frame building in business district to home of member next door to fire station and sounded on siren on roof of fire station by means of push button.

**POLICE DEPARTMENT:** One township constable is subject to call.

**BUILDING LAWS:** No local regulations.

**EXPLOSIVES AND FLAMMABLES:** No municipal regulations. State laws adequately cover the storage and shipment of explosives and the construction of motion picture booths. They also restrict the use of fireworks to responsible bonded parties.