

BORDENTOWN TWP.



KEY

PROTECTED FIRE ZONE: Shown in Green.

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

Elevations range from 10 to 70 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



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

Borough of Fieldsboro
Burlington County, New Jersey

NOVEMBER 15, 1938

BOROUGH OF FIELDSBORO, BURLINGTON COUNTY, NEW JERSEY.

Population—Census of 1930 was 493.

IN GENERAL: Located on the Delaware River along Burlington Pike about two miles southwest of Bordentown. It is a small residential community with two brick yards and a machine shop normally employing about 250, but idle at the time of inspection. Area about 0.5 square miles. Elevations range from 10 to 70 feet. Main thoroughfares are macadam in fair condition. Other streets are dirt in fair to poor condition. There are no features which should adversely affect the operation of the fire department.

WATER SUPPLY: The Borough of Fieldsboro owns and operates the distribution system supplying water for domestic and fire protection purposes to territory within the municipal limits only and purchases water at wholesale from the adjacent City of Bordentown. This supply is delivered through a single 6-inch line equipped with a 6-inch Hersey meter in Fourth Street east of the municipal limits. For details as to the supply works, pumping station, and storage facilities of the Bordentown system see report on Bordentown with Map No. 257. **Organization:** The water department is under the control of a Council Committee and in charge of a chairman who exercises general supervision. There are no local employees or facilities for system maintenance and emergency repairs except that the City of Bordentown Department of Public Works performs the necessary duties under mutual agreement. The Bordentown Superintendent of Public Works is a member of the fire department of the City of Bordentown and normally responds to alarms of fire. **Consumption:** Due to the short period of operation of this system there are no figures available as to the average and maximum daily consumption. It is estimated that the average daily purchase by the Borough of Fieldsboro will be approximately 20,000 gallons. On September 30, 1938, there were 86 services in Fieldsboro, none of which are metered. **Distribution System:** In one service consisting of a 6-inch artery and 4-inch gridiron serving a small area; see map. **Pipe:** The 6-inch pipe which comprises about 26% of the system is cast iron, tar coated, bell and spigot joint Class 150 and the balance is Transite Class 150. Pipe is laid with about 4½-foot minimum cover. No trouble anticipated from frozen mains or electrolysis. Total length 11,000 feet; 26.4% 6-inch, 73.6% 4-inch. **Gate Valves:** There are 15 on the system of R. D. Wood make set with valve boxes

at grade. The direction of operation is uniform. Inspection is limited to that necessitated by system maintenance. **Hydrants:** There are 10 on the system of Mathews make. All have two 2½-inch outlets, 4½-inch barrels and 4- or 6-inch gated branches. Hydrants on the 6-inch artery including those in the business area, have one 4½-inch outlet in addition. Hydrants will be inspected annually by the Bordentown Department of Public Works. At the time of inspection they were found to be in good condition. **Pressures:** No recording gauge on system. Readings taken at four distributed hydrants showed pressures ranging from 42 to 45 pounds with an average of 43.3 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on October 4, 1938, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Fourth and Washington Sts., 295—42—4.

Lockwood Ave., E. of Washington St., 245—42—*.

Front and Hamilton Sts., 260—45—*.

* No reading taken.

FIRE DEPARTMENT: No local fire department. The City of Bordentown responds to all alarms of fire within the Borough of Fieldsboro under an informal agreement under which the City of Bordentown receives an annual fee of \$150 for fire protection. The City of Bordentown Fire Department equipment includes one 750-g.p.m. and two 500-g.p.m. pumping engines, a chemical car and a city service truck. **Response to Alarms:** One pumping engine responds to first alarms in Fieldsboro and additional equipment is available on call. **Fire Alarms:** Telephoned through the Bordentown Exchange to members' places of business in Bordentown and sounded on a siren in the city center.

POLICE DEPARTMENT: Consists of one marshal and two special officers subject to call. No vehicle provided.

BUILDING LAWS: No local regulations.

EXPLOSIVES AND FLAMMABLES: No regulations except that the state laws adequately restrict the storage and shipment of explosives and regulate the construction of motion picture booths and limit the discharge of fireworks to responsible bonded parties.