

Superseding Map No. 369 of April 30, 1935. Please destroy old issue.



- KEY
- PROTECTED FIRE ZONE: Shown in Green.
  - Gate valves shown thus
  - Fire hydrants shown thus
  - Fire hose shown thus
  - Fire apparatus designated by symbols thus:
    - Pumping engine and hose car
    - Hose car
    - Booster tank or tanks on above

- KEY
- PROTECTED FIRE ZONE: Shown in Green.
  - Note: For description of fire protection, etc. see other side.
  - Elevations range from 10 to 165 feet above sea level.
  - Water mains 8 inches and larger in diameter
  - Water mains 6 inches in diameter
  - Water mains 4 inches in diameter

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

**East Brunswick Township**  
Including: Bloomfield Gardens, Dunhams Corner, Herberts Corner,  
Jamesburg Park, Old Bridge and Tanners Corner  
**Middlesex County, New Jersey**  
NOVEMBER 15, 1941

## EAST BRUNSWICK TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY.

Including Bloomfield Gardens, Dunhams Corner, Herberts Corner, Jamesburg Park, Old Bridge and Tanners Corner.

Population — Census of 1940 was 3,706.

**IN GENERAL:** Located south of New Brunswick and west of South River on the Raritan River Railroad and the Camden and Amboy Division of the Pennsylvania Railroad. A residential and farming community with three small industries employing about 100 persons. Area 21.5 square miles. Elevations range from 10 to 165 feet. Main roads concrete, others gravel or macadam in fair to poor condition. Railroad crossings at grade and traffic on main highways are said never to have interfered with the response of fire apparatus.

**WATER SUPPLY:** Water for domestic and fire protection purposes is furnished by the borough which owns distribution system and purchases water from the City of Perth Amboy. For details as to organization, supply works and distribution system and appurtenances see report on Perth Amboy with Map No 305. **Organization:** The system is under the supervision of a part time water superintendent who is appointed annually by the township committee. Superintendent, with two part time laborers and a meter reader, maintains and operates distribution system. No truck provided. No member of the department responds to alarms of fire. Records consist of detailed plans of hydrant and valve locations. **Supply Works:** Water for East Brunswick Township and Raritan Township is supplied from the Runyon Pumping Station of the Perth Amboy Water Department by two booster pumps which take suction from the discharge line of the pressure filters and discharge into the supply main against a 90-pound head. There is a cross connection between the 16-inch line to East Brunswick Township and Raritan Township and the Perth Amboy supply mains which would enable the pressure filters to discharge in emergency into the supply main against a 70-pound head. **Booster Pumps:** A 1.0-m.g.d. Twin Volute centrifugal pump driven by a 30-h.p. Wagner electric motor. A 2.0-m.g.d. Manistee Iron Works centrifugal pump driven by a 75-h.p. G E electric motor. Booster pumps discharge directly into a single unsupported 8- to 16-inch supply line to the township distribution system with standpipe acting as equalizer. There is also a closed emergency connection to the Milltown distribution system. **Distribution System:** In two services: see map. The southern part of the township is supplied directly through two 6-inch meters from the supply main from the Runyon Pumping Station. The northern part of the township is supplied from the standpipe which is separated from the low service by a check valve, which in emergency can be bypassed. Arterial system is generally good with 8-, 10- and 12-inch unsupported supply lines with a few 6-inch dead end lines supplying hydrants. **Standpipe:** Located as shown on map; steel; capacity 200,000 gallons. Elevation of base about 155 feet. Elevation of overflow about 235 feet. **Consumption:** The average daily consumption during 1940 was 0.062 m.g.d. On December 31, 1940 there were 381 services, of which 368 were metered. **Pipe:** Cast iron, tar coated, bell and spigot joint and asbestos cement, laid with a 3½-foot cover. Total length, including 7,642 feet of 8-inch asbestos cement pipe, 97,500 feet; 6.8% 4-inch, 16.3% 6-inch, 47.4% 8-inch, 19.7% 10-inch and 9.8% 12-inch. No trouble reported from frozen mains, electrolysis or tuberculation. **Gate Valves:** There are 112 of Wood, Smith and Iowa makes set in iron boxes to grade. Direction of operation is uniform. No regular inspections. **Hydrants:** There are 98 of Wood, Smith, and Iowa manufacture of standard type, of which 2 have two 2½-inch outlets and 4-inch ungated branches, while the remainder have two 2½- and one 4½-inch outlets and 6-inch gated branches. Hose and steamer outlet threads are National Standard. Hydrants are inspected twice a year. Those operated during survey were found to be in fair condition. **Pressures:** Readings taken at 7 widely distributed hydrants showed pressures ranging from 30 to 75 pounds with an average of 52 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on October 15, 1941 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

South Dr 1,200 ft. W. of Kirklín Pl., 580—45—15  
Cranbury South River Rd. and Willow St 1,300—39—22.  
Main St., opp. Milltown-South River Rd, 500—38—28  
Dunham Corner-South River Rd, 700 ft E of Hoeyes Rd, 540—32—9.  
Summerhill Rd, 1,700 ft S of Race Track Rd., 490—30—16  
Bordentown-South Amboy Turnpike and Harrison Ave, 460—75—7.  
River Rd and Maple St, 780—84—41

**FIRE DEPARTMENT:** A volunteer organization of two independent companies not under the control of the township. Township appropriated \$500 for each company and Madison Township \$100 for the Old Bridge Company for

their support in 1940. Companies own houses, apparatus and equipment. **Companies—Old Bridge Fire Company No. 1:** Total membership 30, of whom about 12 are available during the day and 16 during the night. There are a chief, an assistant chief and a second assistant chief who are elected annually by the company. Company is located on the west side of Pine Street about 75 feet north of Brunswick Avenue. Building is a 2-story cement block structure with an asbestos shingle roof, concrete apparatus floor, steam heat and electric lights. **Equipment:** A 1927 Childs 500-g p.m. triple combination pumping engine carrying a 120-gallon booster tank, 100 feet of booster hose, 1,300 feet of 2½-inch hose, 2 short ladders and some minor equipment. A 1937 Chevrolet hose car carrying a 150-gallon booster pump, a 300-gallon booster tank, 200 feet of booster hose, 500 feet of 2½-inch hose, one short ladder and some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is tested three times a year at 150 pounds, shifted at fires and drills and replaced on apparatus wet. There is no hose in reserve and none is over five years old. **Operations:** Department governed by company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He can suspend members pending a hearing before company. Motors are started twice a week. There are 12 members of company who are appointed drivers. **Drills and Training:** Drills held irregularly, but at least three times a year, under supervision of chief officers, consist of pump operation, hose laying and use of equipment. **Fire Methods:** Booster streams used on incipient fires reinforced with engine or hydrant lines with shut-off nozzles. No gas masks, salvage equipment or heavy stream appliances are provided. **Response to Alarms:** Entire company responds to all alarms in southern part of township and sections of Sayreville Borough and Madison Township. Outside aid may be secured from other company in township and from Spotswood and South River. **Building Inspection:** None by the department. **Records and Reports:** Records kept by secretary in the minutes of company consist of the location and description of fire and attendance. **Fire Alarms:** Alarms of fire are telephoned through the South River Exchange to the homes of three members near fire company and are sounded on siren located at fire house. **East Brunswick Independent Fire Company:** Membership 40, of whom about 12 are available during the day and 24 during the night. There are a chief, an assistant chief, a lieutenant and a captain who are elected annually by the company. Company is located on Willow Street between Cranbury Rd and Wallace Street. Building is a 1-story cement block structure with an asbestos shingle roof, concrete apparatus floor, oil stove for heat, electric lights and siren. **Equipment:** A 1940 Ward La France 500-g.p.m. triple combination pumping engine carrying a 250-gallon booster tank, 150 feet of booster hose, 500 feet of 2½-inch hose, 250 feet of 1½-inch hose, 2 short ladders and some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is shifted at fires and drills and is tested annually at 150 pounds. There is no reserve hose and no hose is over five years old. **Operations:** Company governed by company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He can suspend members pending a hearing before company. Motors are started daily. There are 10 members in the company who are appointed as drivers. **Drills and Training:** Drills held weekly, under supervision of chief officers consist of hose laying, pump operation and use of equipment. **Fire Methods:** Booster streams used on incipient fires reinforced with engine and hydrant lines with shut-off nozzles. No gas masks, salvage equipment or heavy stream appliances are provided. **Response to Alarms:** Company responds to all alarms in the northern part of township. Outside aid may be secured from the other company in township and from New Brunswick and South River. **Building Inspection:** None by the department. **Records and Reports:** Records consisting of location, attendance, date and time of each fire, are kept by the chief in a log book. **Fire Alarms:** Alarms of fire are telephoned through the South River Exchange to the homes of two members adjacent to fire house and are sounded on siren located at fire house.

**POLICE DEPARTMENT:** Consists of 6 special patrolmen including a chief. A radio car is provided.

**BUILDING LAWS:** No municipal 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 discharge of fireworks to responsible bonded parties.