



KEY
PROTECTED FIRE ZONE: Shown in Green.
Note. — For description of fire protection, etc., see other side.
 Elevations range from 0 to 120 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:
 (P) Pumping engine and hose car
 (L) Ladder truck
 (A) Ambulance, Squad or Auxiliary car
 (B) Booster tank or tanks on above

THE FIRE INSURANCE RATING
 ORGANIZATION OF N. J.
 ENGINEERING DEPARTMENT
 NEWARK 2, N. J.

Neptune Township
 Monmouth County, New Jersey
 Including Bradley Park, West Grove, Ocean Grove Heights, Hamilton
 and Shark River Hills in Fire District No. 1, and Whitesville
 in Fire District No. 2

FEBRUARY 28, 1948

NEPTUNE TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY.

(Including Bradley Park, Hamilton, Ocean Grove Heights, Shark River Hills, and West Grove in Fire District No. 1, and Whitesville in Fire District No. 2.)

Population — 1940 Census — 10,207 Including Ocean Grove.

IN GENERAL: A residential community situated west of Asbury Park and Bradley Beach. Area about 6 square miles (Fire District No. 1) and 0.4 square miles (Fire District No. 2). Main roads paved; others dirt or gravel. Grade crossings reported as not having interfered with response of apparatus. Elevations range from 0 to 121 feet above sea level.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Monmouth Consolidated Water Company, a subsidiary of American Water Works Company, Inc., which owns the supply works and distribution system and supplies water to 20 other municipalities in this area. For information on supply works and distribution system see report with map No. 78. **Distribution System:** In one service. The township is supplied by a 20-inch main extending from the 36-inch main from Newman Springs Pumping Station and from a 16-inch line during the summer from Jumping Brook Station. The new Corlies Avenue Booster Station helps to maintain pressure in this area. Whitesville Station furnishes a small portion of the supply during periods of peak consumption. **Consumption:** The average and maximum daily consumption in the entire territory served (about 21,979 services) during 1946 was 8.04 and 17.28 million gallons. On December 31, 1946 there were 2,140 services in Neptune Township, all of which were metered. **Pipe:** Cast iron, tar coated, with bell and spigot joint, except recent extensions which are of Transite, laid with 3½-foot cover. Total length, exclusive of 16-inch supply main, 154,000 feet; 2.92% 12-inch, 6.23% 10-inch, 5.20% 8-inch, 62.20% 6-inch, and 23.45% 4-inch. No trouble reported from frozen mains or electrolysis. **Gate Valves:** There are 247 on the system of Ludlow and Rensselaer makes with valve boxes set at grade. Valves are inspected occasionally. Fire department is notified when valves affecting hydrant supply are operated. **Hydrants:** There are 136 of Iowa and Ludlow makes. Seventy-one have two 2½-inch and one 4-inch outlets, and 6-inch barrel and branch; 8 have two 2½-inch outlets, 4-inch barrel and branch; 34 have two 2½-inch outlets, 6-inch barrel and branch, and 2 have two 2½-inch and one 4-inch outlets, 4-inch barrel and branch. Most of the branches are gated. Small outlets are National Standard, but large outlets are 5⅞ inches outside diameter with 7 threads per inch. Hydrants operated during this inspection were in good operating condition. They are inspected semi-annually. **Pressures:** Readings taken at sixteen hydrants showed pressures ranging from 39 to 83 pounds with an average of 63 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:

November 13, 1947—

State Highway No. 35 and Monroe Ave., 935—74—60.

Bangs Ave., 2nd E. of Jackson Pl., 391—39—13.
State Highway No. 33, next to last hydrant W., 394—54—8.

Eighth Ave. and Ridge Ave., 942—78—63.
Main St. S. of Corlies Ave., 1,560—80—35.

June 6, 1947—

Oakdale Dr. and Riverside Dr., 292—63—*.
Pinewood Dr. and Riverside Dr., 249—62—*.
Highland Ave. and Fairfield Way, 329—73—*.
Arnold Pl. and The Plaza, 124—70—*.
Riverside Dr. and Lakewood Rd., 249—83—*.
Lakewood Rd. and Victor Pl., 292—61—*.
Lakewood Rd. and Oakdale Dr., 341—54—*.
Carton Ave. and Morrissey Rd., 329—43—*.
Overlook Dr. and Clayton Ave., 317—42—*.
Elizabeth Ter. and Hillside Dr., 292—62—*.
Pittinger Pl. and Wilson Rd., 440—71—*.

*No reading taken.

FIRE DEPARTMENT: Fire District No. 1: A volunteer organization of 128 members, divided into three companies, with one full-paid driver stationed at Unexcelled Fire Company. About 50 men are available at all times. District owns house, apparatus, and equipment. Appropriation for 1947 was \$19,032. One chief, 4 assistant chiefs, 3 captains, and 6 lieutenants elected annually and confirmed by fire commissioners. For admission to department men must be residents of district, between the ages of 21 and 35, and physically fit. **Companies — Unexcelled Fire Company:** Located on Corlies Avenue east of Atkins Avenue. Building is 2-story joisted brick with slag roof, concrete apparatus floor, hot water heat, electric lights, and telephone. Membership 63, of whom 30 are available at all times. **Equipment:** One 1947 Mack 750-g.p.m. triple combination pumping engine carrying a 200-gallon booster tank, 400 feet of booster hose, 300 feet of 1½-inch hose, 600 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. A 1927 American La France 750-g.p.m. triple combination pumping engine carrying a 40-gallon booster tank, 200 feet of booster hose, 900 feet of 2½-inch hose, 200 feet of 1½-inch hose, 2 short ladders, and fair minor equipment. One 1919 American La France 600-g.p.m. double combination pumping engine carrying 900 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. One 1923 American La France city service ladder truck carrying 9 ladders ranging from 12 to 55 feet and totaling 243 feet, one 3-way deluge nozzle, and fair minor equipment. An ambulance is also provided. **Hamilton Fire Company No. 1:** Located on the south side of Corlies Avenue at the junction of State Highway No. 33 in Hamilton. There are 30 active members, of whom about 12 are available at all times. Building is 2-story joisted brick with composition roof, electric lights, steam heat, telephone, and concrete apparatus floor. **Equipment:** One 1928 Seagrave 600-g.p.m. triple combination pumping engine carrying a 280-gallon booster tank, 800 feet of 2½-inch hose, 300 feet of booster hose, 2 short ladders, and fair minor equipment. One 1946 G.M.C. 200-g.p.m. booster and hose car carrying a 550-gallon booster tank, 200 feet of booster hose, 400 feet of 1½-inch hose, 300 feet of 2½-inch hose, 3 short ladders, and fair minor equipment. **Shark River Hills Fire Company No. 4:** Lo-

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(Including Bradley Park, Hamilton, Ocean Grove Heights, Shark River Hills, and West Grove in Fire District No. 1, and Whitesville in Fire District No. 2.)

Continued.

cated on Brighton Avenue at Durand Road. Total membership 35, of whom 8 are available at all times. Building 1-story concrete block, tar paper on wood roof, electric lights, steam heat, telephone, and siren. **Equipment:** One 1942 Ford 150-g.p.m. booster car carrying a 400-gallon booster tank, 300 feet of booster hose, 2 short ladders, 300 feet of 1½-inch hose, 500 feet of 2½-inch hose, and some minor equipment. In reserve there is a 1937 Darley-Ford 500-g.p.m. triple combination pumping engine carrying a 275-gallon booster tank, 100 feet of booster hose, 250 feet of 1½-inch hose, 500 feet of 2½-inch hose, 2 short ladders, and poor minor equipment. This truck is stored in township garage. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. Oldest hose is 6 years old. It is shifted and tested at fires and drills. A tower is provided at Unexcelled Fire Company for drying hose. At Hamilton Fire Company it is dried on floor or replaced wet on apparatus. **Operations:** Governed by company by-laws, but under control of fire commissioners. Chief may prefer charges to fire commissioners. Motors are turned over daily. There are 42 men trained to drive apparatus. **Drills and Training:** Held once a month. Consist of operating engine and handling hose and ladders. **Fire Methods:** Hand extinguishers, chemical lines and 1½-inch lines used on small fires, reinforced by hydrant and engine streams with shut-off nozzles. **Response to Alarms:** All apparatus responds to alarms in their own district. Aid may be secured from other district and from neighboring communities. **Building Inspection:** A part-time fire inspector enforces the fire prevention ordinance. **Records and Reports:** Secretary of each company keeps a record of members present, time, and location of fire. **Fire Alarms:** In Hamilton and Shark River Hills, alarms are telephoned to dwellings or fire house and sounded on siren. In other sections of this district a Gamewell fire alarm system is in use; in charge of a local electrician. System consists of a two-circuit operating board located in a small partitioned section of Unexcelled Fire House. Batteries, in two sets of 16 cells with rectifiers, are in an adjoining closet. Circuit protection is poor. There are 13 boxes, 8 of which are of the non-interfering type; located on Public Service poles, painted red with a red band and indicating light on pole. Boxes are all grounded and on one circuit. The circuit consists of about 4½ miles of No. 10 hard-drawn copper wire overhead. Circuit tested daily. Boxes are tested yearly. Two banks of batteries (16 cells each) on porcelain and wood shelves. A punch register and tapper are at Unexcelled Fire Company. System operates an air whistle on the roof of Unexcelled Fire Company. **Fire District No. 2:** A volunteer organization under control of fire commissioners of district. District owns house, apparatus, and equipment. The appropriation for 1947 was about \$10,865. Chief, 1 assistant chief, 1 foreman, and 2 assistant foremen are elected annually. Total active membership 28, about 16 of whom are available during day. For admission to membership men must be between the ages of 21 and 35 and physically fit. **Liberty Fire Company No. 1:** Located on

Monroe Avenue opposite Oxonia Avenue. Building 2-story hollow tile and stucco with concrete apparatus floor, hot water heat, electric lights, composition roof, and telephone. **Equipment:** One 1947 International 200-g.p.m. booster car carrying a 425-gallon booster tank, 150 feet of booster hose, 500 feet of 1½-inch hose, 350 feet of 2½-inch hose, one 35-foot ladder, 1 demand type mask, and fair minor equipment. One 1924 Stutz-Hale 350-g.p.m. triple combination pumping engine carrying 1,000 feet of 2½-inch hose, a 40-gallon booster tank, 200 feet of booster hose, 200 feet of 1½-inch hose, 2 short ladders, and fair minor equipment. One Lincoln emergency car with some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. After use at fires and drills it is dried in hose tower. It is tested annually at 120 pounds. **Operations:** Governed by company by-laws. Motors turned over three times each week. **Drills and Training:** Held about 25 times each year. Consist of stretching hose, operating engine, and use of booster streams. No fines for non-attendance. **Fire Methods:** Hand extinguishers and booster streams are used for small fires reinforced by hydrant or engine streams. **Response to Alarms:** Company answers all alarms in district. Aid given to other district. Aid received from other district and Asbury Park. **Building Inspection:** Inspections are made for rubbish and hazardous conditions. **Records and Reports:** Secretary keeps a record of location of fires, owner's name and amount of damage. **Fire Alarms:** Gamewell system under control of fire commissioners, in charge of local electrician. There is one circuit in two loops of about one mile each in length of No. 10 hard-drawn wire carrying 11 non-interfering type boxes. All wires are overhead. Boxes are painted red and placed on Jersey Central Power & Light poles with a red band and indicating light. There are two banks of batteries on good type metal and glass rack with rectifier. Boxes are tested every two months. A punch register is located in fire house. System operates a 5-h.p. siren on roof. No coded signal used. There is a telephone here and a pushbutton at police station for sounding siren.

POLICE DEPARTMENT: A chief, 2 captains, 1 lieutenant, 1 sergeant, and 12 patrolmen cover the entire township. There is a police signaling system of 10 boxes and 3 cars with two-way radio.

BUILDING LAWS: Code adopted October 24, 1939 contains fire limits, regulations for chimneys, and fairly good building regulations.

FIRE PREVENTION LAWS: The National Board of Fire Underwriters' fire prevention ordinance was adopted October 24, 1939 covering both districts. State laws adequately cover the storage and shipment of explosives, the transportation of flammables, and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: Adopted December 23, 1930.