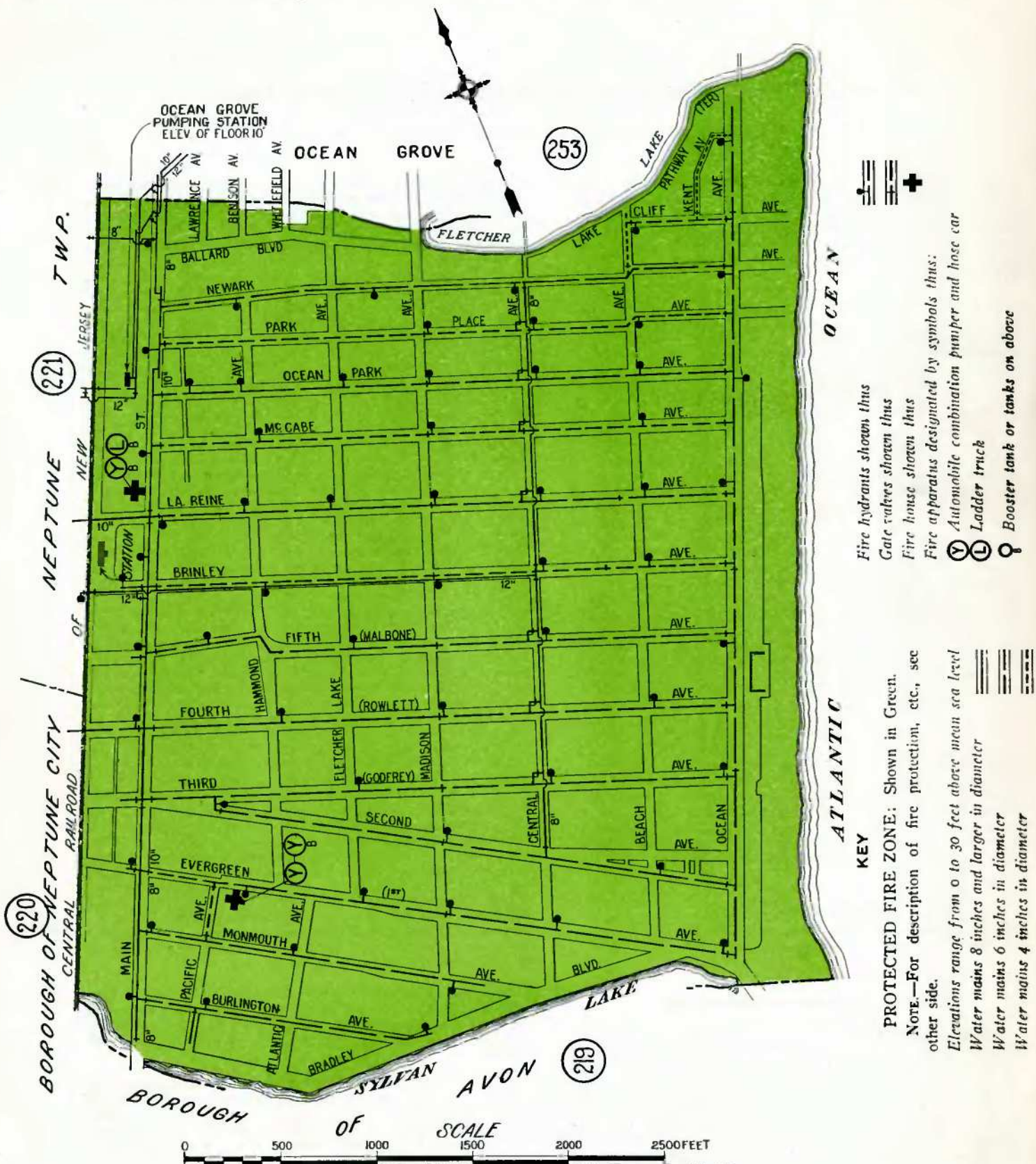


Superseding Map No. 218 of June 15, 1936. Please destroy old issue.



- Fire hydrants shown thus
- Gate valves shown thus
- Fire house shown thus
- Fire apparatus designated by symbols thus:
- Automobile combination pumper and hose car
  - Ladder truck
  - Booster tank or tanks on above

**KEY**

**PROTECTED FIRE ZONE:** Shown in Green.

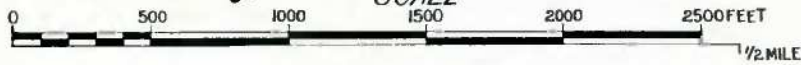
**NOTE.**—For description of fire protection, etc., see other side.

Elevations range from 0 to 30 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



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

**Bradley Beach Borough**  
**Monmouth County, New Jersey**

FEBRUARY 28, 1948

## BRADLEY BEACH BOROUGH, MONMOUTH COUNTY, NEW JERSEY.

Population—1940 Census—3,468. Summer Estimate — 30,000.

**IN GENERAL:** Located on the New York and Long Branch Railroad between Ocean Grove and Avon. One manufacturing plant employs about 435 persons. Area about 1 square mile. Elevations range from 0 to 30 feet above sea level. Main road is concrete; others are gravel in good condition. No grade crossings to interfere with response of fire apparatus.

**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 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. Supply is obtained through 8-inch, 10-inch, and 12-inch mains from Neptune Township **Consumption:** The average and maximum daily consumption in the entire territory served (21,979 services) during 1946 was 8.04 and 17.28 million gallons. On December 31, 1946 there were 1,102 services in Bradley Beach, all of which were metered. **Pipe:** Part cement lined and part cast iron, tar coated, with bell and spigot joint, laid with a 3-foot cover. No trouble reported from frozen mains or electrolysis. Total length, 55,550 feet; 6.5% 12-inch, 7.4% 10-inch, 7.7% 8-inch, 60.5% 6-inch, and 17.9% 4-inch. **Gate Valves:** There are 75 of Ludlow make with valve boxes set at grade. They are inspected occasionally. Fire department notified when valves affecting hydrant supply are operated. **Hydrants:** There are 62 of Ludlow, Mathews, and Iowa makes. Twenty-nine have two 2½-inch outlets, 4-inch barrel and branch, 6 have same number of outlets, but with 6-inch barrel and branch. One has two 2½- and one 4½-inch outlet and 4-inch barrel and branch and one has one 2½-inch and one 4½-inch outlet, 6-inch barrel and branch; all others are standard 3-way hydrants with 6-inch barrel and branch. All have gated branches. Small outlets are National Standard, but large outlets are 5⅞ inches outside diameter with 7 threads per inch. Hydrants are inspected semi-annually. **Pressures:** Readings taken at 4 hydrants showed pressures ranging from 82 to 87 pounds with an average of 85 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 —

Third and Central Aves., 682—86—72.

Ocean and La Reine Aves., 840—87—62.

Park and Beach Aves., 628—87—74.

November 15, 1938 —

La Reine Ave. and Main St., 1,947—80—35.

**FIRE DEPARTMENT:** A volunteer organization under control of the borough. House, apparatus, and equipment are owned by the borough. The appropriation for 1947 was \$5,000. One chief, 3 assistant chiefs, 3 captains, and 3 lieutenants are elected annually by the members and confirmed by the mayor and council. Total membership 62, divided into three companies, of whom 32 are available during day. For admission to membership men must be between 21 and 35 years of age. **Companies—Independent Engine and Hose Company No. 2:** Located in borough hall, corner La Reine Avenue and Main Street. Building is two story of joisted brick with slag roof, concrete apparatus floor, steam heat, telephone, and electric lights. **Equipment:** One 1939 American La France 750-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 250 feet of booster hose, 300 feet of 1½-inch hose, 1,200 feet of 2½-inch hose, 2 short

ladders, 2 salvage covers, 1 deluge set, 1 gas mask, and good minor equipment. **Pioneer Hook and Ladder Company No. 1:** Located in borough hall. **Equipment:** One 1938 Seagrave ladder truck carrying a 100-g.p.m. booster pump, a 100-gallon booster tank, 300 feet of booster hose, 11 ladders ranging from 10 to 50 feet, totaling 257 feet, 1 gas mask, 2 salvage covers, 1 portable generator, and fair minor equipment. **Bradley Fire Company No. 3:** Located on Evergreen Avenue between Atlantic and Pacific Avenues. Building is two-story brick with slag roof, concrete floor, steam heat, electric lights, and telephone. **Equipment:** One 1939 American La France 750-g.p.m. triple combination pumping engine carrying a 100-gallon booster tank, 250 feet of booster hose, 1,500 feet of 2½-inch hose, 2 short ladders, 1 salvage cover, 1 gas mask, 1 deluge set, and good minor equipment. One 1919 American La France 750-g.p.m. double combination pumping engine carrying 1,200 feet of 2½-inch hose, 2 short ladders, 3 salvage covers, 3 gas masks, and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. After use at fires and drills hose is washed and dried on racks. In addition to that on apparatus there is a reserve supply of 3,000 feet of 2½-inch hose. Of the total supply of 6,900 feet, 4,000 feet is less than 7 years old. All hose is tested yearly at 150 pounds pressure. **Operations:** Department is governed by by-laws and borough ordinance. Chief has power to suspend members. At least 6 men are trained to drive and operate each apparatus. **Drills and Training:** Held three times a year. Consist of stretching hose, pumper operation, and ladder work. **Fire Methods:** Extinguishers and booster lines are used on incipient fires backed up by hydrant lines. Pumps are hooked up when needed. Gas masks, salvage covers, and heavy stream appliances are supplied. **Response to Alarms:** All apparatus responds on first alarm in the borough, except in case of small fires, when one piece responds. Outside aid may be secured from Neptune Township, Belmar, and Avon and aid is given to these towns. **Building Inspection:** Inspections are made on complaints only. **Records and Reports:** Record is kept of date, time, location of fire, and members present. Report is made to commissioners yearly. **Fire Alarms:** A 4-circuit Gamewell board located in cellar of borough hall. Apparatus is poorly housed in a frame section of cellar. Current is supplied by two rectifiers with 24 cells of storage battery floating on the line. Circuits are protected by fuses and lightning arresters and on the battery rack by 10-ampere fuses. Cells are mounted on iron racks on porcelain knobs on glass rails near the operating board. There are 10 non-interfering, 4 non-interfering repeating and 7 old-type interfering boxes on two loops. Wire is No. 14 underground on Main Street and overhead elsewhere. Air horn on borough hall sounds coded signal, also a bell on Fire Station No. 3. No maps or records.

**POLICE DEPARTMENT:** Consists of a chief, 3 lieutenants, 3 sergeants, 4 patrolmen, and 9 special officers. Chief is on days with 3 men on each of three shifts. Two patrol cars are equipped with 3-way radio in addition to 3 call boxes.

**BUILDING LAWS:** Code provides for appointment of an inspector to serve during pleasure of mayor and council. Before building operations may be commenced, plans and specifications must be filed with the building inspector and permit secured from the borough clerk. Code establishes fire zones and has some good provisions, but is deficient in many respects.

**FIRE PREVENTION LAWS:** No municipal regulations. 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.