



- KEY**
- PROTECTED FIRE ZONE: Shown in Green.
 - NOTE — For description of fire protection, etc., see other side.
 - Elevations range from 5 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:

- (V) Pumping engine and hose car
- (O) Booster tank or tanks on above

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

**City of Northfield
Atlantic County, N. J.**

OCTOBER 30, 1948

CITY OF NORTHFIELD, ATLANTIC COUNTY, NEW JERSEY.

Population — 1940 Census — 2,848.

IN GENERAL: Located near Great Egg Harbor Inlet on the W. J. & S. R. R. A residential community with no manufacturing. Area about 2.8 square miles. Elevations range from 5 to 23 feet. Main streets and some side streets paved; others dirt or gravel in fair to poor condition. Grade crossings reported as not having interfered with response of apparatus.

WATER SUPPLY: Supply for domestic and fire protection purposes is furnished by the Atlantic County Water Company. See report and map No. 89. Northfield is supplied from an 8-inch main from Somers Point and Pleasantville and a 16-inch line from the Bargaintown Station. **Distribution System:** In one service; see map. **Consumption:** The average and maximum daily consumption for the entire territory served (about 4,987 services) during 1946 was 0.826 and 1.486 million gallons. On December 31, 1947 there were 664 services in Northfield, all of which were metered. **Pipe:** Cast iron, tar coated with bell and spigot joint, laid with about a 3½-foot cover. Total length 43,419 feet; 15.2% 12-inch, 15.7% 10-inch, 29.4% 8-inch, 39.2% 6-inch, and 0.5% 4-inch. No serious trouble from frozen mains or electrolysis. **Gate Valves:** There are 38 on the system of various makes with iron boxes set at grade. Valves are inspected annually. Part open in opposite direction to others, but good records kept showing direction of operation. **Hydrants:** There are 55 on the system of Mellert, Corey, Ludlow, and Darling makes. Nine have two 2½-inch outlets, 4-inch barrel and branch; 8 others have a 4½-inch outlet in addition and the remainder have three outlets, 6-inch barrel and branch. Forty-five have gated branch. All outlets are National Standard thread. Hydrants are inspected twice annually and after use. Those operated during this inspection were in good operating condition. **Pressures:** Readings taken at 3 hydrants showed an average pressure of 41 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on November 4, 1936 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Oakcrest Ave. and Shore Rd., 410—41—19.

Jackson Ave. and First St., 430—41—*.

Dolphin Ave. and Shore Rd., 460—41—19.

*No reading taken.

FIRE DEPARTMENT: Volunteer department with 2 paid men working in 10-hour and 14-hour shifts, under control of the city which owns house, apparatus, and equipment and appropriated \$4,500 for the support of the department in 1948. There are about 24 volunteers including a chief and two assistant chiefs who are elected annually by the company subject to confirmation of the mayor and council. About 12 men are available at all times. **Company:** Located on Shore Road east of North-

field Plaza, a two-story stucco on tile building with slate roof, concrete floor, steam heat, electric lights, and telephone. **Equipment:** A 1931 Seagrave 500-g.p.m. triple combination pumping engine equipped with 110-gallon booster tank, 200 feet of booster hose, 1,100 feet of 2½-inch hose, 450 feet of 1½-inch hose, 2 short ladders, 1 gas mask, 1 salvage cover, and little minor equipment. A Reo-Hale 300-g.p.m. triple combination pumping engine equipped with a 120-gallon booster tank, 100 feet of booster hose, 50 feet of 1½-inch hose, 300 feet of 2½-inch hose, 2 short ladders, 1 gas mask, 1 salvage cover, and poor minor equipment. A 1944 U.S.A. Chevrolet-Darley 300-g.p.m. triple combination pumping engine carrying a 340-gallon booster tank, 200 feet of booster hose, 500 feet of 1½-inch hose, 900 feet of 2½-inch hose, 2 short ladders, 1 mechanical foam nozzle, 1 salvage cover, and fair minor equipment. **Hose:** All 1½-inch and 2½-inch hose is C.R.L. with screw couplings. The 2½-inch hose has National Standard couplings. There is 1,600 feet of 2½-inch hose in reserve. Hose is dried in tower, shifted every three months, and tested annually at 200 pounds. **Operations:** Department governed by city ordinance and company by-laws. Chief has full control of paid men and apparatus at all times and of other men at fires and drills. **Drills and Training:** Drills held monthly with about 12 men attending. **Fire Methods:** Booster streams supported by hydrant or engine streams used on all fires. **Response to Alarms:** Chief and all apparatus respond to all alarms. Aid may be secured from nearby communities. **Building Inspection:** Department makes annual inspections of mercantile buildings. **Records and Reports:** Chief submits report to council. **Fire Alarms:** Alarms are transmitted to headquarters over one of two telephones and coded signal sounded on electric siren.

POLICE DEPARTMENT: Consists of uniformed chief, 3 patrolmen and 6 specials subject to call. A car with 2-way radio is provided.

BUILDING LAWS: Code adopted in March 1926 provides for the appointment of a building inspector who shall not be employed in building in Northfield. Eight-inch walls are permitted on upper two stories of brick buildings irrespective of height. It requires only 8-inch party walls and 12-inch parapets. No fire limits are established and use of combustible roof covering is not regulated. The code contains many good provisions, but is not as comprehensive as the Code of Suggested Ordinances for Small Municipalities.

FIRE PREVENTION LAWS: No local ordinance. 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: None.