



The Fire Insurance Rating
 Organization of N. J.
 ENGINEERING DEPARTMENT
 NEWARK 2, N. J.

Finnerne
Bridgewater Twp.
Somerset County

MARCH 15, 1946

KEY

PROTECTED FIRE ZONE: Shown in Green.

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

Elevation ranges from 20 to 60 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 houses shown thus

Fire apparatus designated by symbols thus:

① Pumping engine and hose car

② Booster tank or tanks on above

March 15, 1946.

FINDERNE, BRIDGEWATER TOWNSHIP, SOMERSET COUNTY, NEW JERSEY.**Population—1940 Township Census—4,934.**

IN GENERAL: Located on the north bank of the Raritan River between Bound Brook and Somerville. It is a residential and industrial community with 2 fairly large factories. Area of mapped portion about 9.69 square miles. Elevations range from 20 to 601 feet. Through roads are paved, but others are gravel in fair to poor condition. Railroad crossings at grade have not interfered with the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Somerville Water Company, a subsidiary of the Elizabethtown Water Company, which owns supply works and distribution system and supplies water to Somerville, Raritan, and Finderne. For information on supply works and distribution system see report with map No. 211. **Distribution System:** In one service; see map. Finderne is supplied through a 10-inch extension of the Somerville distribution system. **Consumption:** The average and maximum daily consumption in the entire territory served (3,500 services during 1945) were 2.34 and 4.05 m.g.d. There are 150 services in Finderne, approximately 40% of which are metered. **Pipe:** Cast iron, tar coated, bell and spigot joint, laid with about a 3½-foot cover. No trouble has been reported from frozen mains or electrolysis. Total length, 14,600 feet; 2.3% 12-inch, 60.4% 10-inch, 1.5% 8-inch, and 35.8% 6-inch. **Gate Valves:** There are 17 of Eddy make; all operate in the same direction and are set with iron boxes at grade. There is no regular valve inspection program. **Hydrants:** There are 8 of Muller and Eddy makes of standard type. All have one 4½-inch and two 2½-inch outlets and 6-inch gated branches. Those operated during this inspection were in good condition. Hose outlets are 3 inches outside diameter with 7½ threads per inch. Large outlets are National Standard. **Pressures:** Readings taken at 3 hydrants showed pressures ranging from 43 to 55 pounds with an average of 48.6 pounds. **Fire Flow Tests:** Probable supply available for fire protection was measured on February 6th, 1946 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Pearl St. at Easton Turnpike, 530—43—10.

Pearl St. 375 ft. S. of State Highway No. 28, 411—*—*.

Easton Turnpike at Chimney Rock Rd., 550—55—*.

*No reading taken.

FIRE DEPARTMENT: A volunteer organization of one company under partial control of the township committee. The company owns apparatus and equipment and rents quarters for a nominal fee. The township appropriation for 1946 was \$200. Total membership 40 including a chief, 2 assistant chiefs, 1 captain, 1 lieutenant, an engineer, and assistant engineer who are elected annually by the

company and are not confirmed by the township committee. About 10 men are available during the day and about 25 at night. **Company—Finderne Engine Company No. 1:** Located in a 1-story frame 4-stall garage on Easton Turnpike opposite Manville Boulevard. Two stalls have been converted for fire department use. Building has a concrete floor, oil stove for heat, electric lights, and no telephone. **Equipment:** One 1924 Waterous 400-g.p.m. triple combination pumping engine which was partially rebuilt in 1944, carrying a 275-gallon booster tank, 150 feet of ¾-inch booster hose, 600 feet of 1½-inch hose, 1,000 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings and is all carried on the apparatus. It is tested at drills at normal pump operating pressures. It is all less than 5 years old. No drying facilities are provided. **Operations:** Department is governed by company by-laws. Chief has full control of apparatus at all times and of men at fires and drills. All members may drive apparatus. **Drills and Training:** Drills held about 15 times each year under the direction of the chief officers consist of hose laying, pump operation, and use of minor equipment. **Fire Methods:** Booster streams and 1½-inch lines are used on small fires reinforced by 2½-inch lines. Two all-service gas masks are carried, but no salvage covers nor heavy stream appliances are provided. **Response to Alarms:** The apparatus responds to all alarms in the Finderne section of the township. Outside aid may be secured from Manville and Somerville. **Building Inspection:** No fire department inspections have been made as yet. **Records and Reports:** Very meager records are kept and no regular report is made to the township committee. **Fire Alarms:** Alarms of fire are telephoned to two locations near the fire house where there is always someone available. The siren, mounted on a 2-car garage nearby, is sounded from a push button.

POLICE DEPARTMENT: No regular township police. The State Police from the Somerville Barracks cover this area.

BUILDING LAWS: Township code adopted September 17th, 1941 provides for the appointment of a building inspector and requires plans to be submitted and permits secured for building operations. Fire limits are not established and wood shingle roofs are not prohibited. Code embodies many good regulations, but is not comprehensive enough from a fire protection standpoint.

FIRE PREVENTION LAWS: No local regulations except that oil burners must be installed in accordance with the regulations of the National Board of Fire Underwriters. State laws adequately cover the storage and shipment of explosives and flammables and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.