



ATLANTIC OCEAN

PUMPING STATION
STANDPIPE
ELEV. OF FLOOR ABOUT 5'
ADDITIONAL CAPACITY 48,570 GALS.
ELEV. OF BASE ABOUT 9'








SCALE
0 500 1000 2000 FEET
MILE

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

Cape May Point Borough
Cape May County, New Jersey

JUNE 30, 1948

KEY
PROTECTED FIRE ZONE: Shown in Green.
NOTE.—For description of fire protection, etc., see other side.
Elevations range from 0 to 17 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:
 Pumping engine and hose car
 Ladder truck
 Booster tank or tanks on above
 Chemical tank or tanks on above

CAPE MAY POINT BOROUGH, CAPE MAY COUNTY, NEW JERSEY.

Population—1940 Census—126.

Estimated Summer—2,000.

IN GENERAL: Located about 2 miles west of Cape May City at the southern extremity of Cape May County. It is a summer resort of an exclusively residential nature with no industries. Area about 0.1 square miles. Elevations range from 0 to 17 feet. Roads are mainly gravel in fair condition. There are no railroad crossings nor other features which might interfere with the response of the fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the borough which owns and operates the supply works and distribution system supplying water to the borough only. **Organization:** The water department is under the supervision of a borough commissioner. A local plumber serves as part time operating engineer and also maintains the system with outside help obtained when needed. Office, yard, and shop are located at pumping station. No truck is provided. Records are very incomplete and consist primarily of monthly pumpage figures and an incomplete map of the distribution system. **Supply Works:** Water is obtained by direct suction from a well 10 inches in diameter and 602 feet deep. Yield of well is estimated to be about 2.88 m.g.d. Water is pumped directly to mains with a standpipe acting as equalizer. **Pumping Station:** Located on Lighthouse Avenue opposite Yale Avenue in a 1-story concrete block building with asbestos shingled roof, concrete floor, coal stove for heat, and electric lights, but no hand protection. Exposures are negligible. Wiring is in conduit. Housekeeping is fair. Elevation of pump room floor about 5 feet. **Equipment:** Two 0.216 m.g.d. Meyers centrifugal pumps driven by 15-h.p. Star and Continental electric motors. Pumps are alternated in service and operate automatically between 34 and 41 pounds pressure. In reserve there is a Deming 0.32 m.g.d. triplex pump driven by a 10-h.p. Otto gasoline engine. **Distribution System:** In one service consisting of an 8-inch artery with 4-inch mains poorly gridironed and with numerous unsupported dead end branches. See map. **Standpipe:** Located at pumping station. It is steel, 10 feet in diameter by 100 feet high with a capacity of 58,750 gallons. Elevation of base about 5 feet. Elevation of overflow about 105 feet. **Consumption:** There are no daily figures of pumpage, but the average consumption during 1947 was 0.088 m.g.d. The maximum daily consumption was estimated to be about 0.176 million gallons. At the close of 1947 it was estimated that there were about 275 live services none of which was metered. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with about a 3-foot cover. Total length 12,300 feet; 19.5% 8-inch, 2.5% 6-inch, and 78.0% 4-inch. No trouble was reported from freezing or electrolysis. **Gate Valves:** There are 11 valves mostly of Crane make set with valve boxes at grade. Direction of operation is uniform, but there are no regular inspections of valves. **Hydrants:** There are 27 hydrants of Mathews and Mueller makes of standard type with one 4½-inch and two 2½-inch outlets and 4-inch or 6-inch gated branches. Hose outlets have National Standard threads. Large outlets have an outside diameter of 6½ inches with 6 threads per inch. Hydrants are inspected semi-annually and at time of operation were found to be in good condition. **Pressures:** Readings taken at 5 hydrants showed pressures ranging from 37 to 38 pounds with an average of 38 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on May 14, 1948 by

means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Yale Ave. and Lake Dr., 860—38—21.
 Pearl and Sites Aves., 230—38—6.
 Pearl and Alexander Aves., 180—38—*.
 Cape and Alexander Aves., 200—37—*.
 Central Ave. and Lake Dr., 170—37—3.

*No reading taken

FIRE DEPARTMENT: A volunteer organization of one company under partial control of the borough which owns apparatus and equipment and appropriates about \$650 annually for the support of the department. The company owns the fire house. Total active membership 20, of whom a minimum of about 10 are available at all times. Officers include a chief, assistant chief, and 2 captains who are elected annually by the company. Elections of the chief officers are confirmed by the mayor and council. **Company:** Located on Yale Avenue east of Cape Avenue in a 2-story concrete block building with composition roof, concrete apparatus floor, hot air heat, electric lights, and siren. **Equipment:** A 1926 American La France 400-g.p.m. triple combination pumping engine carrying a 200-gallon booster tank, 150 feet of booster hose, 700 feet of 2½-inch hose, 100 feet of 1½-inch hose, 2 short ladders, and meager minor equipment. A 1929 American La France 50-foot city service ladder truck carrying a 40-gallon chemical tank, 150 feet of chemical hose, 9 ladders ranging from 16 to 50 feet and totaling 224 feet, and meager minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is shifted and tested semi-annually at about 120 pounds pressure and dried on apparatus floor or repacked wet. There is a reserve supply of 300 feet and about 50% of hose is over 5 years old. **Operations:** Department is governed by company by-laws. Chief has control of apparatus at all times and of men at fires and drills. Motors are started semi-weekly and 6 men are appointed as regular drivers, although all members of the department may drive apparatus. **Drills and Training:** Monthly drills are held under the supervision of the chief and consist of hose laying, pump operation, and some ladder work. **Fire Methods:** Booster and chemical lines are used on incipient fires reinforced by hydrant and engine streams with shut-off nozzles. Department is totally lacking in gas masks, heavy stream appliances, and salvage equipment. **Response to Alarms:** Both pieces of apparatus respond to all alarms within the borough and outside aid may be secured from Cape May City and West Cape May. **Building Inspection:** No regular inspections are made. **Records and Reports:** Fairly complete records are kept of all fires and drills, but chief does not make a regular report to the borough. **Fire Alarms:** Alarms of fire are telephoned to the general store during the day and to various locations at night, and are sounded on siren at fire house by means of switches which are located at the general store and fire house.

POLICE DEPARTMENT: None.**BUILDING LAWS:** No municipal regulations.

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.

ZONING ORDINANCE: None.