



# KEY

PROTECTED FIRE ZONE: Shown in Green.  
NOTE.—For description of fire protection, etc., see other side.

Elevations range from 0 to 94 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:

(Y) Pumping engine and hose car

(Q) Booster tank or tanks on above

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

+ Cinnaminson Township  
Burlington County, N. J.

DECEMBER 15, 1947



# CINNAMINSON TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY.

(Including Cinnaminson, East Riverton, New Albany, Parry, and Taylor.)

Population — 1940 Census — 2,504.

**IN GENERAL:** Located along State Highway Route No. 25 about 10 miles northeast of Camden to the southeast of Riverton and Palmyra and along the Delaware River to the northeast of Riverton. This is a rural residential community with developed areas at East Riverton and Parry and scattered development with outlying districts devoted to agriculture. No manufacturing. Area about 7.5 square miles. Elevations range from 0 to 94 feet. Main thoroughfares are concrete or macadam in good condition; other streets are dirt in fair to poor condition. There are no features which should adversely affect the response of fire apparatus within the township except that traffic congestion along Route 25 could effect delays.

**WATER SUPPLY:** The Riverton and Palmyra Water Company, which is a subsidiary of the Water Utilities Service Corporation, owns and operates the supply works, pumping stations, distribution system, and appurtenances and supplies water for domestic and fire protection purposes to Cinnaminson Township, Palmyra, and Riverton. For a detailed description of this company see report on Palmyra with map No. 149. **Distribution System:** In two services including a low service consisting of dead end extensions from the Riverton and Palmyra distribution systems, and a high service supplied from the low service by a booster pumping station which supplies higher portions along Route 25 and to the east of the Parry Section through an 8-inch artery and 4-inch and 6-inch dead ends. **Consumption:** The average and maximum daily pumpage in the entire territory served during 1946 was 0.463 and 0.90 million gallons. At the time of the inspection there were 2,741 services in the entire territory, practically all of which are metered. Of the total services 644 were located in Cinnaminson. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with 2½-foot cover. About 40,000 feet of the total is cement lined. No trouble reported from frozen mains or electrolysis; freezing has been limited to services and short sections of outlying 4-inch pipe. Total length 89,125 feet; 0.85% 16-inch, 21.60% 8-inch, 29.30% 6-inch and 48.25% 4-inch. **Gate Valves:** There are 62 on the system in the township of Ludlow and Wood makes set with valve boxes at or near grade. Direction of operation is not uniform and records of location and operating details are lacking. They are not subject to regular inspection or operation. **Hydrants:** There are 74 in Cinnaminson Township of Ludlow and Wood makes of standard type; all have two 2½-inch outlets and 4-inch branches. About 20% have one 4½-inch outlet in addition. Branches are mainly un gated. Hydrant hose outlet threads are 3-inch outside diameter with 6 threads per inch. Large outlets are National Standard. Hydrants are operated and oiled twice annually and were found to be in good condition at time of inspection. **Pressures:** A recording pressure gauge at Station No. 4 at about elevation 4 shows 67 pounds on the low service with full standpipe. Readings taken at 4 hydrants on the low service showed pressures ranging from 37 to 59 pounds with an average of 57 pounds, and on the high service from 42 to 67 pounds with an average of 54 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured by Pitot tube on various dates and corrected to time of inspection. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

## Low Service—

Route No. 25 and Jefferson St., 280—54—6.  
Broad St. and Cheney Ave., 800—55—12.  
Bannard St. and Pleasant Ave., 690—49—16.  
Division and Pennsauken Sts., 205—\*—\*.  
Jefferson and Clay Sts., 200—\*—\*.  
Pennsauken St. W. of Clay St., 180—60—0.

## High Service—

Route No. 25 N. of Highland Ave., 385—57—23.  
Route No. 25 S/W of Union Landing Rd., 185—\*—\*.  
Moorestown Rd., 3,900 ft. S/E of Pomona St., 210—67—\*.  
Branch Pike 1,000 ft. N/E of Pomona St., 180—42—\*.  
Pomona St. 500 ft. S. of Moorestown Rd., 330—50—\*.

Pomona St. and Branch Pike, 300—50—\*.  
Branch Pike and Fork Landing Rd., 300—58—\*.

\*No reading taken.

**FIRE DEPARTMENT:** A volunteer organization of two independent companies, one located in the East Riverton Section and the other in the Parry Section. Officers are elected annually by the companies and the township makes an annual appropriation of \$1,000 to each of the two companies. **Parry Fire Company No. 1:** Total active membership 25 including a chief and 2 assistant chiefs, of whom a minimum of 10 members are available at all times. Company owns house, apparatus, and equipment. Company located on Cinnaminson Avenue northwest of State Highway Route 25 as shown on map. Building is a 2-story concrete block structure with composition roof, concrete apparatus floor, steam heat, electric lights, telephone, and siren. **Equipment:** One 1936 Hale-Ford 500-g.p.m. triple combination pumping engine carrying one 250-gallon booster tank, 250 feet of booster hose, 500 feet of 2½-inch hose, 2 short ladders, and some minor equipment. One 1941 Peter Pirsch-Ford 500-g.p.m. triple combination pumping engine carrying one 300-gallon booster tank, 200 feet of booster hose, 700 feet of 2½-inch hose, 300 feet of 1½-inch hose, 2 short ladders, and some minor equipment. **Delaware Fire Company No. 2:** Total active membership 32 including a chief, two assistant chiefs, and foreman, of whom a minimum of 12 members are available at all times. Company owns house, apparatus, and equipment. Company located on Bannard Street near South Read Avenue as shown on map. Building is a 1-story cinder block structure with composition covered wood roof, concrete apparatus floor, oil burning stove, telephone, and siren. **Equipment:** One 1925 American La France 750-g.p.m. triple combination pumping engine carrying one 200-gallon booster tank, 450 feet of booster hose, 550 feet of 2½-inch hose, 2 short ladders, and some minor equipment. One 1946 Oren-Reo-Hale 500-g.p.m. triple combination pumping engine carrying one 300-gallon booster tank, 150 feet of booster hose, 500 feet of 2½-inch hose, 400 feet of 1½-inch hose, one 1,200-watt flood light generator with three 500-watt lights, 2 short ladders, and some minor equipment. **Hose:** All 2½-inch hose is C.R.L. with Jones snap couplings. All hose is carried on the apparatus and of the total supply about 50% is more than five years old. Hose is tested semi-annually at pressures ranging from 150 to 200 pounds with shut-off nozzles. No suitable drying facilities provided. **Operations:** Companies are governed by their respective by-laws. The respective chief officers have control of the apparatus at all times and of men at fires and drills. Motors are started at least weekly and drivers are assigned in each company. **Drills and Training:** Monthly drills are held by the respective companies under the direction of their chief officer. They consist of hose laying, pump operation, and some ladder work. **Fire Methods:** Booster and 1½-inch lines are used on incipient fires supported by engine streams with shut-off nozzles. No heavy stream appliances nor salvage covers provided; but masks and flood lighting equipment are installed. **Response to Alarms:** The companies respond to all township alarms and the departments at Riverton and Palmyra respond on call. **Building Inspection:** No regular inspections by the fire department. **Records and Reports:** Company records consist chiefly of nature of alarms, attendance, equipment used, and losses. Monthly reports are made to the fire marshal and to the township committee. **Fire Alarms:** Telephoned through the Palmyra central office to township police headquarters where 24-hour desk watch is maintained and where headquarters equipment, with a telephone relay circuit control of sirens, is located.

**POLICE DEPARTMENT:** One or two patrolmen subject to call. One township patrol car provided. There are 7 fire police.

**BUILDING LAWS:** No local regulations.

**FIRE PREVENTION LAWS:** No local 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.