



KEY

PROTECTED FIRE ZONE: Shown in Green.

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

Elevations range from 5 to 90 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:

⊙ Automobile combination pumper and hose car

⊚ Chemical tank or tanks on above



Schedule Rating Office of New Jersey
ENGINEERING DEPARTMENT
NEWARK, N. J.

Hamilton Township
Fire District No. 5 Colonial Manor,
De Cou and Fairview Park
Mercer County, New Jersey

SEPTEMBER 30, 1943

HAMILTON TOWNSHIP, MERCER COUNTY, NEW JERSEY.**Fire District No. 5 — Colonial Manor, De Cou, and Fairview Park.**

Population — Township Census of 1940 was 30,219. Estimated District Population—1,300.

IN GENERAL: Located about 2 miles south of Trenton. It is a residential community. Area is about 1.5 square miles. Elevations range from 5 to 90 feet. Main roads improved, others macadam and gravel in fair to good condition. Transportation is by bus to Trenton and neighboring communities.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the City of Trenton which owns supply works and distribution system. See National Board report on the City of Trenton dated April 1932. **Consumption:** The average and maximum daily consumption for the entire territory served during 1942 was 18,785 and 25,275 m.g.d. There were 37,028 services including 6,211 services in Hamilton Township, all of which were metered. **Distribution System:** In one service; see map District 5 is on a local high service and is supplied from Booster Station No. 4 which is located on the corner of Rowan Avenue and Genesee Street in Fire District No. 3. **Booster Station:** Station is a small brick building with a slate roof and concrete floor on steel beams. Open iron stairway to basement. Heating by hot water; oil used for fuel. Electric wiring for light and power in conduits. One CO₂ and one 2½-gallon foam extinguisher in pump room. Elevation of floor 60 feet. Attendant is on duty at all times. **Equipment:** One 2.0-m.g.d. DeLaval centrifugal pump driven by a 40-h.p. Westinghouse electric motor. Two 1.0-m.g.d. DeLaval centrifugal pumps each driven by a 20-h.p. Westinghouse electric motor, one of which is normally in operation. Fire alarms from area served are received by telephone and large pump is started manually. Suction supply, under 35 pounds pressure, is obtained from a 12-inch main from low service. Each pump is equipped with a gate valve on the suction side and a gate valve and check valve on the discharge side. Pumps discharge under a pressure of 65 pounds into a long 12-inch unsupported transmission main which extends into the high service distribution system with numerous 6-inch dead ends. **Pipe:** All pipe is cast iron, tar coated, bell and spigot joint, laid with a 4-foot cover. Total length 43,425 feet; 10.4% 4-inch, 72.6% 6-inch, 1.8% 8-inch, 6.7% 10-inch and 8.5% 12-inch. No trouble reported from frozen mains or electrolysis. **Gate Valves:** There are 106 gate valves of various makes set with iron boxes at grade. All valves operate in same direction. Gate valves are inspected annually and fire department notified when valves affecting hydrant supply are operated. **Hydrants:** There are 43 hydrants of Corey make with 4-inch or 6-inch gated branches. All hydrants are of standard type with two 2½-inch and one 4½-inch outlets. All hydrant outlets have National Standard threads. Hydrants are inspected and flushed annually. Those operated during inspection were found to be in good condition. **Pressures:** Readings taken in February, 1938 at two widely separated locations showed an average of 58 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on February 4th, 1938 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

De Cou Ave. and Ruskin Ave., 1,180—57—15
Broad St and Churchill Ave., 940—58—43

FIRE DEPARTMENT: A volunteer organization of one company under supervision of district board of fire commissioners. The district owns apparatus and all equipment and appropriated \$3,300 in 1942 for the support of the fire department. The fire house is owned by the company. Total active membership is 70, of whom 9 are available at

all times. Fire chief is elected annually subject to confirmation of fire commissioners. **Company—De Cou Volunteer Fire Company:** Fire house is located on Ruskin Avenue near De Cou Avenue. Building is a 1-story cement block structure with composition covered wood roof, concrete apparatus floor, coal stove, electric lights, and telephone. **Equipment:** One 1927 Foamite-Childs 600-g.p.m. triple combination pumping engine carrying two 40-gallon foam tanks, 200 feet of 1-inch hose, 150 feet of 1½-inch hose, 750 feet of 2½-inch hose and meager minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. Total supply of 2½-inch hose is 1,100 feet, all of which is in good condition. Total supply of 1½-inch hose is 350 feet, all of which is in good condition. No regular shifting of hose. Average age of hose is 5 years. No regular pressure tests of hose. No hose in reserve. **Operations:** Chief has control of apparatus at all times and of men at fires and drills. He may suspend members pending a hearing before the company. Seven men are appointed as drivers. **Drills and Training:** Drills, held monthly under supervision of chief, consist of hose laying, pump operation, and use of equipment. **Fire Methods:** Foam or 1½-inch line is used on incipient fires reinforced by hydrant lines with shut-off nozzles. A gas mask is provided. There are no heavy stream appliances. There is no salvage equipment. **Response to Alarms:** Apparatus answers all alarms in its own fire district. Outside help may be secured from adjoining districts and from City of Trenton at distances of from 1 to 3 miles. **Building Inspection:** Chief and fire marshal make annual surveys of the district. **Records and Reports:** Records are kept of all fires and monthly reports are made to district board of fire commissioners and fire marshal. **Fire Police:** Five members are designated as fire police and have attended county fire police school conducted by the State Police. **Fire Alarms:** Alarms are received over telephone at fire house. A day man and night man are employed at fire house to answer phone calls. Alarms are sounded on siren mounted on steel tower.

POLICE DEPARTMENT: Township department consists of a chief, 1 captain, 1 lieutenant, 4 sergeants, 1 clerk, 20 patrolmen, and 12 special officers. Five cars, three equipped with two-way radio, two ambulances and one motorcycle equipped with one-way radio are provided. Men work in eight-hour shifts. Deskman on duty at all times. Police on duty respond to alarms of fire and report building operations in violation of township ordinance.

BUILDING LAWS: Code adopted August 6th, 1935 provides for the appointment of a building inspector, who is township engineer, and establishes fire limits in the principal mercantile districts in township. Flammable roof coverings are prohibited within fire limits and on buildings exposed within 12 feet; in other instances approved vertical or edge grain shingles are required. Code closely follows the Code of Suggested Ordinances for Small Municipalities as recommended by the National Board of Fire Underwriters.

EXPLOSIVES AND FLAMMABLES: Ordinance adopted August 6th, 1935 closely follows the Suggested Fire Prevention Ordinance as recommended by 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.

ZONING ORDINANCE: None.