

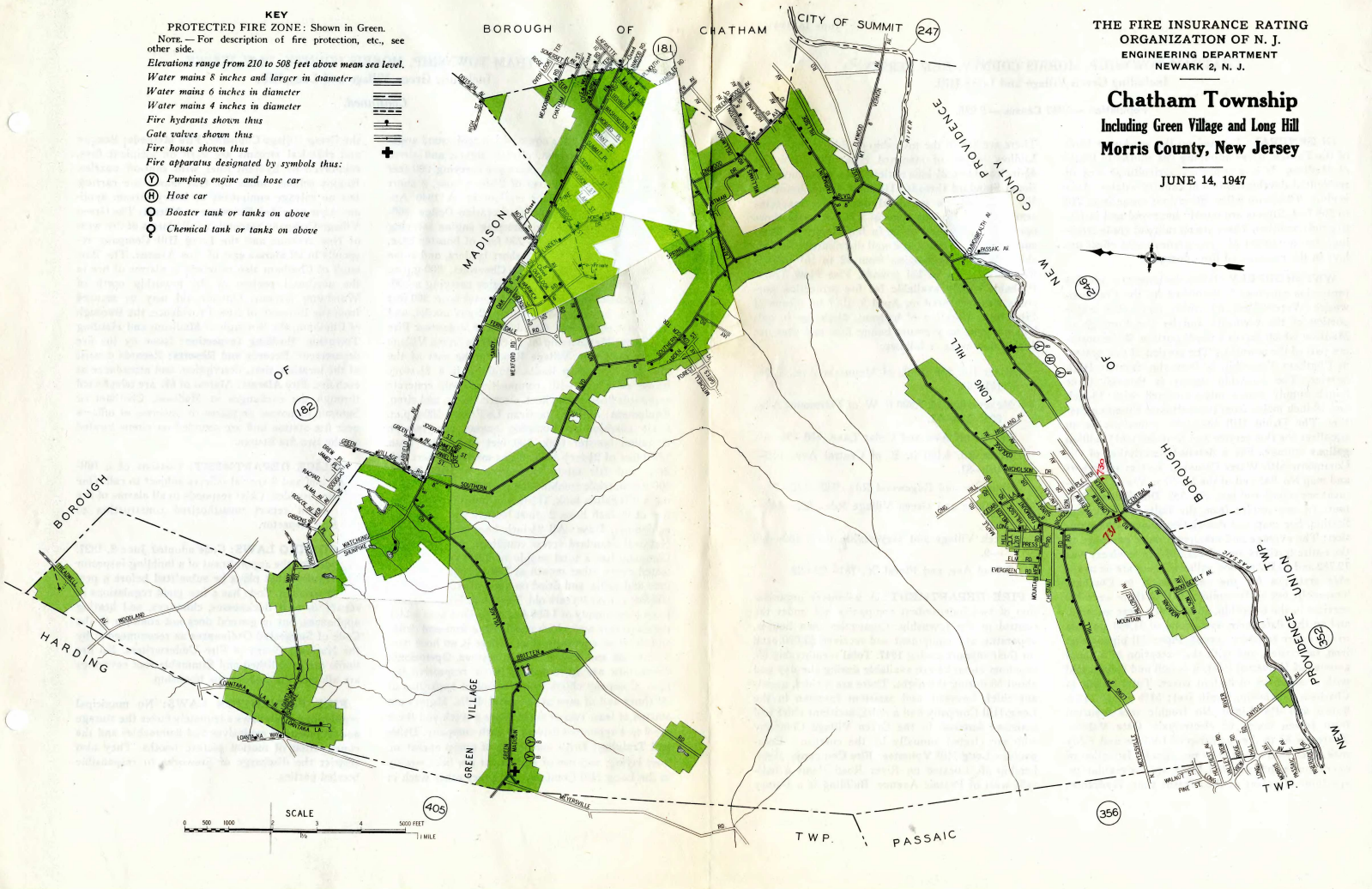
Superseding Map No. 411 of October 31, 1940. Please destroy old issue.

KEY
PROTECTED FIRE ZONE: Shown in Green.
Note.—For description of fire protection, etc., see other side.
Elevations range from 210 to 508 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:
① Pumping engine and hose car
② Hose car
③ Booster tank or tanks on above
④ Chemical tank or tanks on above

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

Chatham Township
Including Green Village and Long Hill
Morris County, New Jersey

JUNE 14, 1947



June 14, 1947.

CHATHAM TOWNSHIP, MORRIS COUNTY, NEW JERSEY.

Including Green Village and Long Hill.

Population — 1940 Census — 2,026.

IN GENERAL: Located on the northwest bank of the Passaic River adjoining the southerly limits of Madison. It is a suburban agricultural area of residential developments and country estates. Area is about 9.0 square miles. Elevations range from 210 to 508 feet. Streets are mostly improved and in fair to good condition. There are no railroad grade crossings, but a number of steep grades could effect delays in the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Commonwealth Water Company which serves the major portion of the township and by the Borough of Madison which serves a small portion of the northern part of the township. The portion of this system in Chatham Township is from the Summit High Service. The township supply is through three 8-inch supply mains interconnected with 10-inch and 12-inch mains from the Baltusrol Pumping Station. The Druid Hill Standpipe functions as an equalizer for this service and provides 0.611 million gallons storage. For a detailed description of the Commonwealth Water Company system see report and map No. 245 and of the Madison Water Department see report and map No. 182. **Distribution System:** In one service from the Baltusrol Pumping Station. See map and description above. **Consumption:** The average and maximum daily pumpage in the entire territory served (31,810 live services) was 12.782 and 20.122 million gallons. There are no available statistics for the consumption in Chatham Township, but on December 31, 1945 there were 450 services in the township, all of which were metered, and on that date there was a total of 31,463 services in the entire territory served. **Pipe:** All pipe is cast iron, tar coated, and with the exception of a small amount of Universal joint, it is bell and spigot, laid with a minimum of 3½-foot cover. Total length in Chatham Township, 87,810 feet; 54% 8-inch, 42% 6-inch and 4% 4-inch. No trouble was reported from frozen mains or electrolysis. **Gate Valves:** There are 89 in the township of Ludlow and Eddy makes set with boxes at or near grade. Direction of operation is uniform, but there are no regular inspections of valves at the present time. **Hydrants:**

There are 118 in the township of Eddy, Corey, and Ludlow makes of standard type; 118 have one 4½-inch and two 2½-inch outlets. All outlets have National Standard threads; 118 have 6-inch branches, 104 of which are gated. Hydrants are inspected semi-annually and at time of hydrant tests those operated were found to be in fair condition. **Pressures:** Readings taken at 8 well distributed locations showed pressures ranging from 92 to 151 pounds with an average of 131 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on April 8, 1947 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

River Rd. 550 ft. E. of Mountain Ave., 770—151—63.

Meyersville Rd. 3,300 ft. W. of Fairmount Ave., 804—140—71.

Fairmount Ave. and Cedar Lane, 650—96—62.

River Rd. 4,100 ft. E. of Central Ave., 616—151—81.

Shunpike and Edgewood Rds., 742—135—22.

Shunpike and Green Village Rds., 822—142—23.

Green Village and Meyersville Rds., 582—140—9.

School Ave. and Floral St., 781—92—22.

FIRE DEPARTMENT: A volunteer organization of two independent companies not under the control of the township. Companies own houses, apparatus, and equipment and received \$1,000 each for their support during 1947. Total membership 85, of whom about 24 are available during the day and about 50 during the night. There are a chief, assistant chief, foreman, and assistant foreman in the Long Hill Company and a chief, assistant chief and assistant foreman in the Green Village Company who are elected annually by the company. **Companies—Long Hill Volunteer Fire Company:** Membership 35. Located on River Road about a half-mile west of Passaic Avenue. Building is a 1-story

CHATHAM TOWNSHIP, MORRIS COUNTY, NEW JERSEY.
Including Green Village and Long Hill.

Continued.

frame structure with a composition roof, wood apparatus floor, steam heat, electric lights, and siren. **Equipment:** A 1928 Reo hose car carrying 200 feet of chemical hose, 500 feet of 2½-inch hose, 2 short ladders and some minor equipment. A 1940 Approved Fire Equipment Corporation-Dodge 500-g.p.m. triple combination pumping engine carrying a 400-gallon booster tank, 250 feet of booster hose, 500 feet of 2½-inch hose, 2 short ladders, and some minor equipment. A U.S.A. Chevrolet, 300-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 300 feet of booster hose, 500 feet of 2½-inch hose, 2 short ladders, 2 gas masks, and fair minor equipment. **Green Village Volunteer Fire Company:** Membership 50. Located in Green Village Center on Green Village Road to the east of the Harding Township limits. Building is a 2½-story frame structure with composition roof, concrete apparatus floor, steam heat, electric lights, and siren. **Equipment:** A 1928 American La France 500-g.p.m. triple combination pumping engine carrying an 80-gallon booster tank, 100 feet of booster hose, 1,000 feet of 2½-inch hose, 3 gas masks, 2 short ladders, and fair minor equipment. A 1942 Dodge 500-g.p.m. triple combination pumping engine carrying a 250-gallon tank, 175 feet of booster 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. Green Village Company has a total supply of 2,000 feet which is tested every other month at 180 pounds, shifted at fires and drills, and dried on apparatus floor. About 600 feet is over 5 years old. The Long Hill Company has a total supply of 1,500 feet of 2½-inch hose which they will test, and which is shifted at fires and drills, and dried on apparatus floor. There is no hose over 5 years old and none is held in reserve. **Operations:** Companies are governed by their respective by-laws. Company chiefs have control of apparatus at all times and of men at fires and drills. Motors are started at least two or three times a week and there are 3 to 4 appointed drivers in each company. **Drills and Training:** Drills consisting of pump operation, hose laying, and use of equipment are held weekly in the Long Hill Company and every other week in

the Green Village Company. **Fire Methods:** Booster and chemical streams are used on incipient fires, reinforced by hydrant lines with shut-off nozzles. Engine seldom hooks up. Gas masks are carried, but no salvage equipment or heavy stream appliances are provided. **Response to Alarms:** The Green Village Company responds to all alarms of fire west of Noe Avenue and the Long Hill Company responds to all alarms east of Noe Avenue. The Borough of Chatham also responds to alarms of fire in the northeast portion of the township north of Watchung Avenue. Outside aid may be secured from the Borough of New Providence, the Borough of Chatham, the Borough of Madison, and Harding Township. **Building Inspection:** None by the fire department. **Records and Reports:** Records consist of the location, time, description, and attendance at each fire. **Fire Alarms:** Alarms of fire are telephoned through the exchanges at Madison, Chatham or Summit to homes or places of business of officers near fire station and are sounded on sirens located on the two fire houses.

POLICE DEPARTMENT: Consists of a full-time chief and 3 special officers subject to call. One vehicle provided. Chief responds to all alarms of fire and would report unauthorized construction to building inspector.

BUILDING LAWS: Code adopted June 2, 1927, provides for the appointment of a building inspector and requires that plans be submitted before a permit be granted. Code has a few good regulations in regard to wall thicknesses, chimneys, and heating appliances, but in general does not conform to the Code of Suggested Ordinances as recommended by the National Board of Fire Underwriters. No fire limits are established and flammable roof coverings are allowed throughout the township.

FIRE PREVENTION LAWS: No municipal regulations. 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.