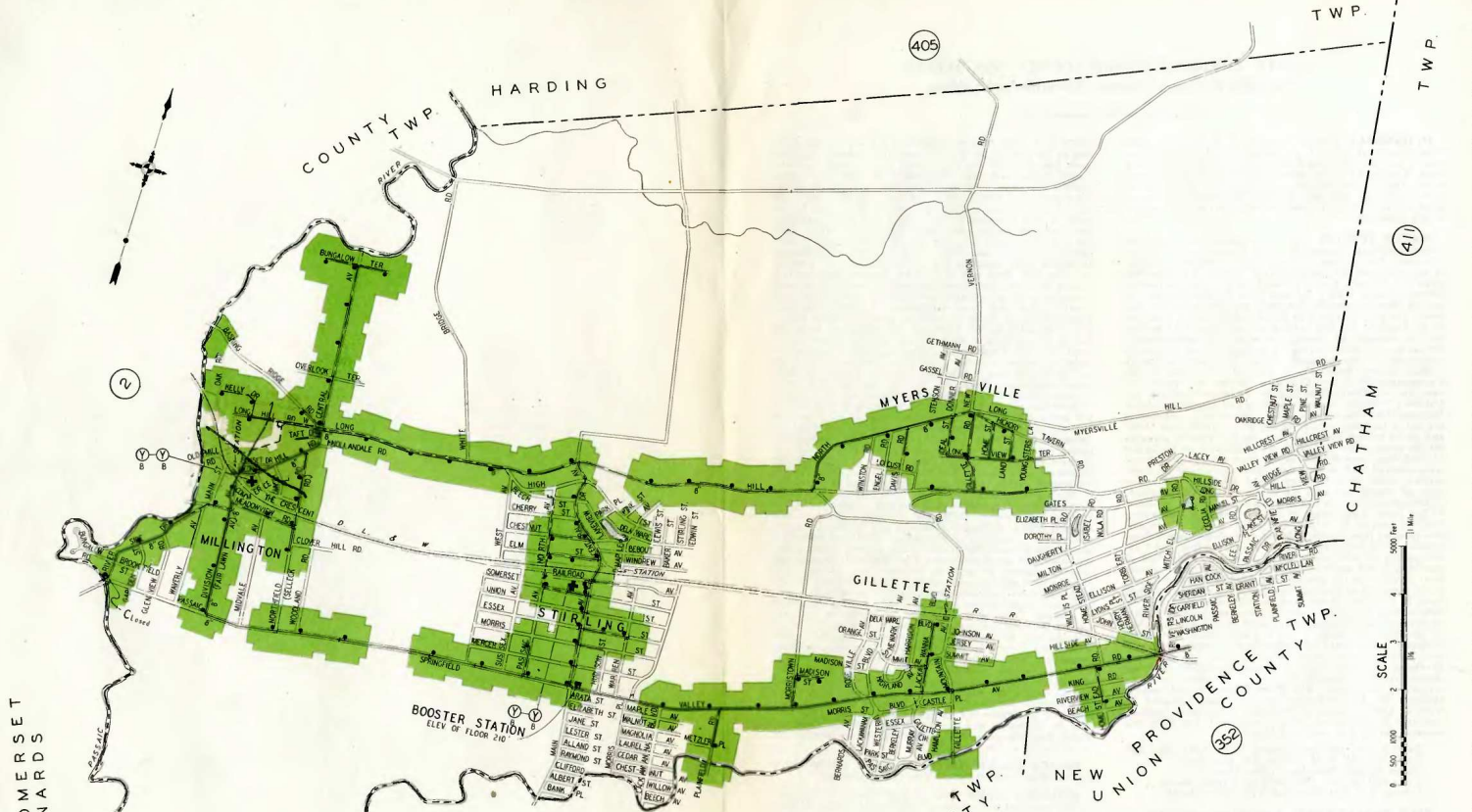


Superseding Map No. 356 of July 15, 1941. Please destroy old issue.



KEY
 PROTECTED FIRE ZONE: Shown in Green.
 Note.— For description of fire protection, etc., see other side.
 Elevations range from 204 to 458 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
 Booster tank or tanks on above

THE FIRE INSURANCE RATING ORGANIZATION OF N. J.
 ENGINEERING DEPARTMENT
 NEWARK 2, N. J.
Passaic Township
 Including Gillette, Millington,
 Myersville, and Stirling
 Morris County, New Jersey
 JUNE 14, 1947



June 14, 1947.

PASSAIC TOWNSHIP, MORRIS COUNTY, NEW JERSEY.

Including Gillette, Millington, Myersville, and Sterling.

Population — 1940 Census — 2,664

IN GENERAL: Located on the D, L. & W. R. R. about 8 miles west of Summit. A residential and farming community with about 10 small industries employing about 550. Area is about 40 square miles. Elevations range from 204 to 458 feet. Streets are generally improved and in fair to good condition. Railroad crossings at grade and severe grades to north could seriously effect delays in the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Commonwealth Water Company. The portion of this system in Passaic Township is supplied from the Summit High Service. The township supply is through a single 8-inch supply main extending through Passaic Valley Rd. and from the distribution system in New Providence Township supplied from the Baltusrol Pumping Station. The Druid Hill Standpipe functions as an equalizer for this service and provides 0.611 million gallons storage. An emergency supply of approximately 500 g.p.m. is available through a normally closed emergency connection to the Bernards Water Company system in Passaic Valley Road. For a detailed description of the Commonwealth Water Company system see report and map No. 245. **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 Passaic Township, but on December 31, 1945 there were 561 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 3½-foot cover. Total length in Passaic Township, 91,235 feet; 38.4% 8-inch, 48.7% 6-inch, and 12.9% 4-inch. No trouble was reported from frozen mains or electrolysis. **Gate Valves:** There are 122 in the township of Wood, Darling, and Ludlow makes set with boxes at or near grade. Direction of operation is not uniform, but there are no regular inspections of valves at the present time. **Hydrants:** There are 94 in the township of Kennedy and Ludlow makes of standard type; 93 have one 4½-inch and two 2½-inch outlets and the balance have two 2½-inch outlets. Hose and steamer outlets all have National Standard threads; 93 have 6-inch branches, all of which are gated; 1 has a 4-inch branch not 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 5 well distributed locations showed pressures ranging from 60 to 159 pounds with an average of 123 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on April 10, 1947 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Summit Ave and Lackawanna Blvd., 1,021—134—107.
Long Hill Rd. E. of Gillette Rd., 252—60—5.
Union St. and Main Ave., 1,280—159—42.
Long Hill Rd. and Division Ave., 1,160—118—18.
Central Ave. and Bungalow Ter., 582—144—15.

FIRE DEPARTMENT: A volunteer organization of two companies under partial control of township which appropriated \$2,000 for support of department in 1947. Companies own respective apparatus, equipment, and quarters except that the Stirling Company rents its quarters. Total active membership 50, of whom about 16 are available during the day and 32 at night. There are a chief, foreman and assistant foreman in Stirling Company, operating independently. A chief, assistant chief, and a captain in the Millington Company are elected annually and confirmed by the township committee. **Companies—Stirling Volunteer Fire Company No. 1:** Membership 25. Located on Somerset

Street near Main Avenue. Building is a 1-story frame addition to the plant of the U. S. Hammered Piston Ring Company, Inc. Structure has a tin roof, concrete apparatus floor, electric lights, and siren. **Equipment:** A 1939 Pirsch Diamond T 500-g.p.m. triple combination pumping engine carrying a 250-gallon booster tank, 200 feet of booster hose, 900 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. A 1925 Larrabee-Northern 350-g.p.m. triple combination pumping engine carrying a 200-gallon booster tank, 150 feet of chemical hose, 600 feet of 2½-inch hose, 2 short ladders, 2 masks, and little minor equipment. **Millington Volunteer Fire Company No. 1:** Membership 40. Located on Long Hill Road east of Division Avenue. Building is a 2-story stuccoed frame structure with a composition roof, apparatus room in basement with concrete floor, steam heat, electric lights, and siren. **Equipment:** A 1925 Day-Elder-Pirsch 500-g.p.m. triple combination pumping engine carrying a 160-gallon booster tank, 200 feet of booster hose, 800 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. A 1937 Ford-Pirsch 500-g.p.m. triple combination pumping engine carrying a 200-gallon booster tank, 1,000 feet of 2½-inch hose, 1 extension ladder, 2 masks, and little minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. There is a total supply of 3,500 feet in both companies, of which about 40% is over five years old. Hose is tested about four times a year at hydrant pressures, shifted at fires and drills and dried on apparatus floor. There is none in reserve. **Operations:** Companies are governed by township ordinance and their respective by-laws. The chiefs have control of apparatus and equipment at all times and of men at fires and drills. Motors are started weekly in Millington Company and twice weekly in Stirling Company. There are 15 members of Stirling Company and 20 members of Millington Company who are appointed as drivers. **Drills and Training:** There is one monthly drill in Millington Company and Stirling Company drills twice a month in good weather. Drills are under the supervision of chief officers and consist of hose laying, pump operation, and use of equipment. **Fire Methods:** Booster and chemical streams are used on incipient fires reinforced by hydrant lines with shut-off nozzles. Engines usually do not hook up where hydrants are available. No salvage equipment nor heavy stream appliances are provided. **Response to Alarms:** Companies respond to all alarms in their respective districts and on call to the entire township. Outside aid may be secured from Bernards Township, New Providence Township, and Chatham Township. **Building Inspection:** None by fire department. **Records and Reports:** Complete records consisting of location, equipment used, attendance, cause, and damage are kept of all fires and annual reports are submitted to the township committee. **Fire Alarms:** Alarms of fire are telephoned through the exchange at Millington to a garage or home of one of the firemen in Millington and to the United States Hammered Piston Ring Company, Inc. in Stirling and are sounded on sirens located at fire houses.

POLICE DEPARTMENT: Consists of a chief and 6 special officers subject to call. One car is provided.

BUILDING LAWS: Code adopted August 5, 1935 embodies numerous good features with regard to general construction requirements and provides for the annual appointment of a competent building inspector, but does not specify fire or combustible roof limits. In general it is not sufficiently comprehensive from a fire protection standpoint.

FIRE PREVENTION LAWS: The building code embodies some requirements with respect to garages and electrical wiring, but otherwise suitable regulations are lacking. 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.