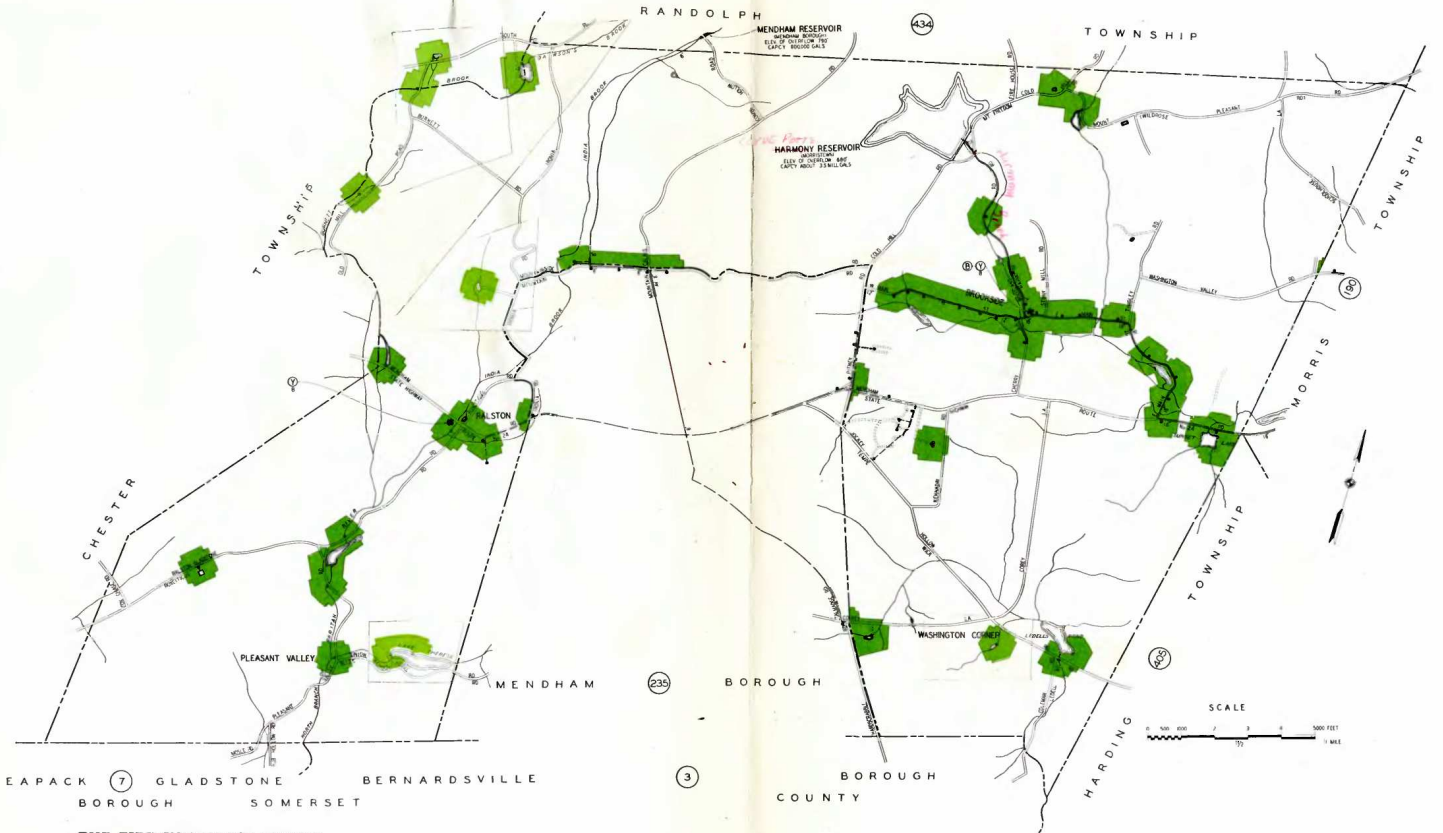


Superseding Map No. 371 of January 31, 1939. Please destroy old issue.



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

Mendham Township
Including Brookside, Pleasant Valley,
Ralston and Washington Corner
Morris County, New Jersey

JUNE 30, 1949

KEY

PROTECTED FIRE ZONE: Shown in Green.
Note.—For description of fire protection, etc., see other side.
Elevations range from 300 to 1,015 ft. 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
ⓑ Booster car
ⓐ Booster tank or tanks on above



June 30, 1949

MENDHAM TOWNSHIP, MORRIS COUNTY, NEW JERSEY.

Including Brookside, Pleasant Valley, Ralston, and Washington Corner.

Population — 1940 Census — 1,079.

IN GENERAL: Located about $3\frac{1}{2}$ miles west of Morristown. It is principally an agricultural community with several large estates and practically no industries. Area about 17.6 square miles. Elevations range from 300 to 1,015. Main roads are concrete or macadam in fair condition, other roads being dirt or gravel in fair to poor condition. There are no railroad grade crossings, but several steep grades might retard the response of fire apparatus during adverse weather conditions.

WATER SUPPLY: The Brookside and adjoining areas are supplied by the Town of Morristown from its 12-inch and 18-inch supply main leading from the Harmony Reservoir. A private water system affords protection to the Mortimer L. Schiff Boy Scout Reservation north of Lake Therese in the western part of the township. Throughout the balance of the township reliance is placed upon streams and ponds to afford water for fire protection purposes. For a detailed description of the Morristown water system see report with map No. 188. **Distribution System:** In one service consisting of a 12-inch supply main from Harmony Reservoir to Brookside where it increases to an 18-inch main leading to the Morristown distribution system, together with a 12-inch distribution main extending to the west of Brookside center. See map. **Consumption:** The average daily consumption in the entire territory served is about 2.5 million gallons, of which about 0.83 million gallons is supplied by pumpage. The supply from the reservoir furnishes the balance of the aggregate consumption. It is estimated that the maximum daily consumption in the entire system is 3.0 million gallons. On December 31, 1948 there were 6,036 services in the entire territory served. In Mendham Township there are about 100 services, all of which are metered. **Pipe:** All cast iron, tar coated, bell and spigot joint, laid with about 4-foot cover. No trouble from frozen mains or electrolysis. Total length in township on Morristown system, 20,500 feet; 46.9% 18-inch, 48.8% 12-inch, and 4.3% 8-inch. **Gate Valves:** There are 10 on the system in Mendham Township of Darling make, set with iron boxes at grade. Direction of operation is uniform. Inspection is limited to that necessitated by routine system operation and maintenance. The fire department is notified when valves affecting hydrant supply are closed. **Hydrants:** There are 21 on the system in Mendham Township of Darling make. All have one $4\frac{1}{2}$ -inch and two 2½-inch outlets, 6-inch barrels, and 6-inch gated branches. Small outlets are National Standard. Large outlets are $5\frac{1}{2}$ -inch outside diameter with 4 threads per inch. Hydrants are inspected semi-annually and were in good condition at time of inspection. **Pressures:** No recording gauge on the system in Mendham Township. Readings taken at 2 hydrants in Brookside showed pressures ranging from 37 to 77 pounds with an average of 57 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on April 20, 1949 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

West Main St and Cherry Lane, 1,340—77—*.

West Main St., 4,000 ft W. of Cherry Lane, 780—37—*.

*No reading taken.

FIRE DEPARTMENT: A volunteer organization of two companies under partial control of the township which owns houses, apparatus, and equipment and appropriated about \$6,000 for the support of the department during 1949. Total active membership 60 equally divided between the two companies. A minimum of 12 men are available from each company at all times. Officers consist of a chief, 2 assistant chiefs, 2 foremen, and 4 assistant foremen. They are elected annually by the companies, elections being confirmed by the

township committee. **Companies—Brookside Engine Company:** Located on East Main Street about 200 feet east of Harmony Road in Brookside. Building is a large 2-story frame structure with concrete apparatus floor, wood shingle roof, steam heat, electric lights, and siren. **Equipment:** A 1928 American La France-G.M.C. 500-g p.m. triple combination pumping engine carrying a 100-gallon booster tank, 100 feet of booster hose, 1,100 feet of 2½-inch hose, 50 feet of 1½-inch hose, 1 salvage cover, one all-purpose gas mask, a 35-foot extension ladder, and fair minor equipment. A 1942 International booster car carrying an 800-gallon tank, 150-g.p.m. booster pump, 250 feet of booster hose, 200 feet of 1½-inch hose, 2 short ladders, a 1,500-watt portable electric generator, 2 flood lights, and meager minor equipment. **Ralston Engine Company:** Located on Mendham Road about 300 feet west of Roxciticus Road in a 2-story concrete block structure with composition covered wood roof, wood apparatus floor, coal stove for heat, electric lights, and telephone. Siren is mounted on a wooden tower nearby. **Equipment:** A 1930 Mack 1,000-g p.m. triple combination pumping engine carrying a 75-gallon booster tank, 150 feet of booster hose, 1,000 feet of 2½-inch hose, 250 feet of 1½-inch hose, 3 short ladders, 1 salvage cover, and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with National Standard screw couplings. It is shifted quarterly and repacked wet, but is not tested. All hose is over 5 years old and there is no reserve hose. **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 weekly and all members may drive apparatus. **Drills and Training:** Company drills are held monthly under the supervision of company officers. In addition quarterly drills are held in which the Brookside and Ralston Companies participate with the Mendham Borough Department. **Fire Methods:** Booster lines are used on incipient fires reinforced by hydrant or engine streams where water is available. Department is provided with one all-purpose gas mask and 2 salvage covers, but is lacking in heavy stream appliances and other salvage equipment. **Response to Alarms:** Both companies respond to all alarms within the township and outside aid may be secured from the Mendham Borough Volunteer Department. **Building Inspection:** No inspections are made. **Records and Reports:** Fairly complete records of fires and drills are kept by each company. Chief makes an annual report to the township committee. **Fire Alarms:** Alarms of fire are telephoned to a private residence. In the event that there is no answer, alarms are telephoned to two other locations near the two fire houses. Alarms are sounded on the sirens of the two companies by means of switches on the walls of the fire houses.

POLICE DEPARTMENT: Consists of one full-time chief who is provided with a patrol car. Chief responds to all alarms of fire.

BUILDING LAWS: A joint zoning and building ordinance was adopted on May 5, 1937. Ordinance requires plans and specifications to be submitted and requires fire stops, but has no provisions for the regulation of wood shingle roofs, wall thicknesses, or chimneys, and is of little value from a fire protection standpoint.

FIRE PREVENTION LAWS: No municipal regulations. State laws adequately cover the storage and shipment of explosives, the transportation of flammable liquids, and the construction of motion picture booths. They also restrict the discharge of fireworks to responsible bonded parties.

ZONING ORDINANCE: Incorporated in the building ordinance adopted May 5, 1937.