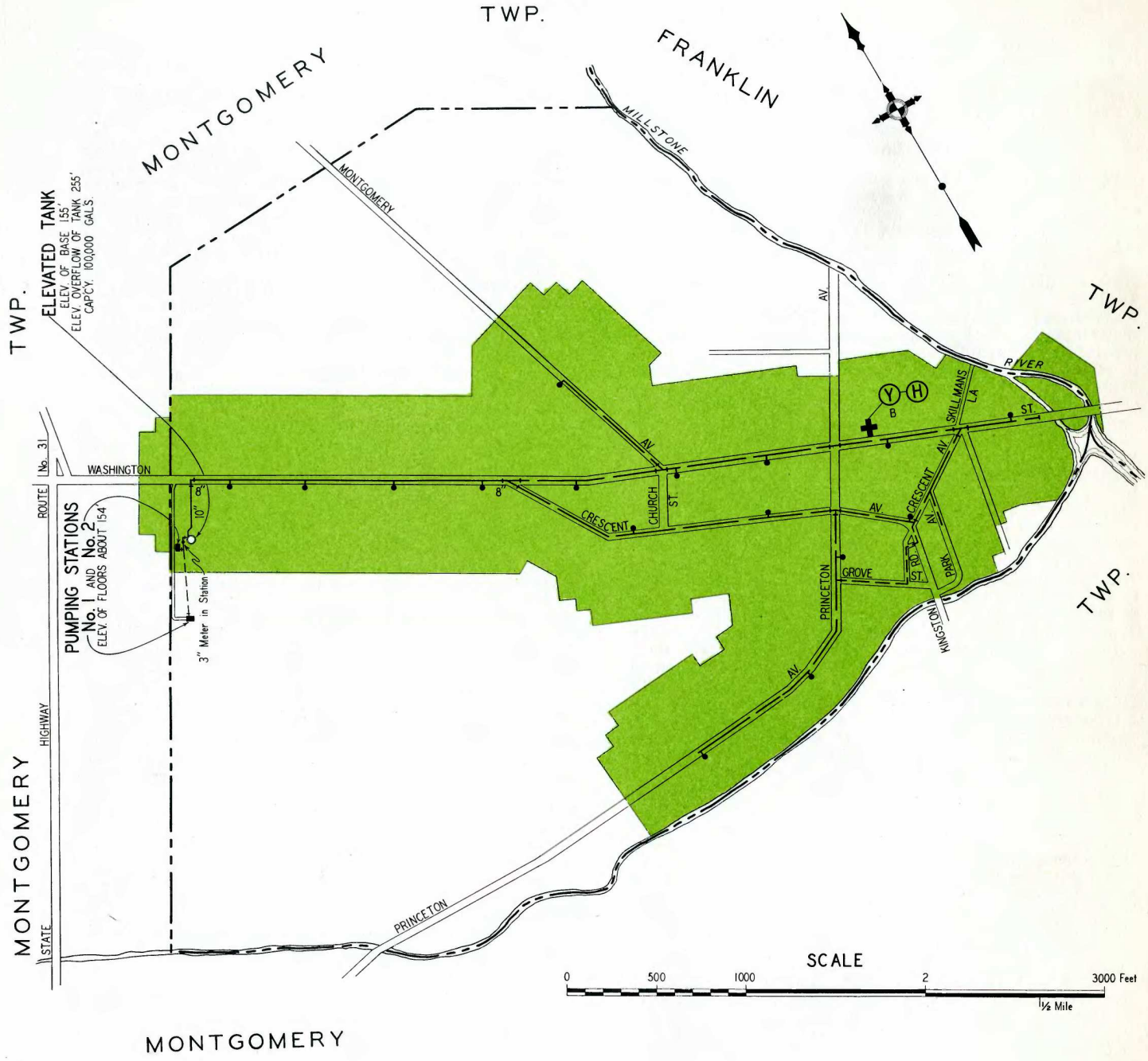
Superseding Map No. 413 of December 31, 1937. Please destroy old issue.



KEY

PROTECTED FIRE ZONE: Shown in Green.

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

Elevations range from 40 to 153 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*

Ⓗ *Hose car*

Ⓑ *Booster tank or tanks on above*

THE FIRE INSURANCE RATING ORGANIZATION OF N. J.

ENGINEERING DEPARTMENT

NEWARK 2, N. J.

Borough of Rocky Hill

Somerset County, New Jersey

APRIL 29, 1950

December 31, 1937.

BOROUGH OF ROCKY HILL, SOMERSET COUNTY, NEW JERSEY.

Population—Census of 1930 was 512.

IN GENERAL: Located on the west bank of the Millstone River about 4 miles north of Princeton. It is a small residential community with no industrial establishments. Area about 0.63 square miles. Elevations range from 40 to 153 feet. Roads are macadam and gravel in fair to poor condition; the main thoroughfare is to be repaved during 1938. No railroad crossings or other features in the borough to seriously delay fire department response or operations.

WATER SUPPLY: The Borough of Rocky Hill owns and operates the supply works, distribution system and appurtenances and supplies water for domestic and fire protection purposes to territory within and adjoining the municipal limits. The system was installed during 1937 under the supervision of a competent consulting engineer. The system is under the control of the Mayor and Council and temporarily in charge of the consulting engineer pending the appointment of superintendent who is to be a licensed operator. Arrangements for system maintenance and installation of extensions were pending at time of inspection. No supplies on hand at time of inspection. A small shop is provided at pumping station. Records are limited to a detailed distribution map and construction data. **Supply Works:** Water is pumped by deep well pumps from two 8-in. wells 200 feet deep through a 3-in. Trident crest meter to an elevated tank whence the distribution system is supplied under gravity head. The maximum aggregate yield of the wells is in excess of economical capacities of the pumps. **Pumping Stations—Station No. 2:** Located at the elevated tank south of Washington Street near the westerly municipal limits, as shown on map. It is a small 1-story stone structure with concrete floor, asbestos shingled wood roof, wood sash and doors, electric lights and unit oil heater. No hand protection except two hose outlets outside building. Exposure negligible. Wiring in conduit. General care and cleanliness excellent. Elevation of floor 153.83 feet. **Equipment:** One 200-g.p.m. American Well Works deep well turbine driven by a 15-h.p. U. S. motor. Unit is throttled to 175 g.p.m. for normal operation. It operates automatically on a 3-foot variation below full tank level. Power is supplied to a master control panel through an overhead service with transformer on Washington Street. **Station No. 1:** Located 560 feet southwest of Station No. 2 as shown on map. It is a very small 1-story cinder block structure without heating equipment; otherwise it is similar to Station No. 2 and at approximately the same elevation. **Equipment:** One 40-g.p.m. American Well Works deep well turbine driven by a 7½-h.p. U. S. motor. It operates automatically on a 5-foot variation below full tank level. Power is supplied from panel at No. 2 Station through an underground "Parkway" cable. **Distribution System:** In one service consisting of a single 10- and 8-in. artery supplying a 6-in. loop with a secondary 4-in. loop and 6-in. dead-end branches; see map. **Elevated Tank:** Located off Washington Street at well field as shown on map. Unit is steel with ellipsoidal bottom on a 100-ft. steel tower with base at about elevation 155. Elevation of overflow about 255 feet. It is 28 feet in diameter by 16 feet in height with a capacity of 100,000 gallons. **Consumption:** No data available due to the short period of operation of the system. It is estimated that the average and maximum daily consumption during the next twelve months' period will be about 25 and 35 thousand gallons. There were 120 services in use at time of inspection. Services are unmetered. **Pipe:** Cast iron, tar coated, bell and spigot joint, 150 pound test, laid with a minimum of 4-ft. cover. Total length, 12,550 feet; 9.9% 4-in., 71.9% 6-in., 15.6% 8-in. and 2.6% 10-in. **Gate valves:** There are 23 on the system of R. D. Wood make set with valve boxes at grade. The direction of operation is uniform and they will be inspected annually. **Hydrants:** There are 16 on the system of Mathews make. All have one 4½- and two 2½-in. outlets, 6-in. barrels and 6-in. gated branches. They will be operated and inspected at least twice annually. **Pressures:** No recording gauge on system, but a direct reading gauge at No. 2 Pumping Station showed 40 pounds with tank about 3 feet below the full level. Readings taken at four well distributed hydrants showed pressures ranging from 62 to 83 pounds with an average of 70 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on November 29, 1937, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Washington St., E. of Princeton Ave., 1,160—72—34.
Washington St., E. of Crescent Ave., *—83—*.
Princeton Ave., S. of Grove St., 880—63—20.
Montgomery Ave., N. of Washington St., 880—62—*.
* No reading taken.

FIRE DEPARTMENT: Volunteer organization of one company under partial control of the borough which owns house, apparatus and equipment, and appropriated $300 for the support of the department during 1937. Total active membership quota 15. About 40 members do fire duty and a minimum of 16 are available at all times. Officers including a chief, two foremen and two engineers are elected annually without confirmation by the Mayor and Council. **Company:** Located on Washington Street, east of Princeton Avenue, as shown on map. Building is a 2-story concrete structure with slag roof, concrete apparatus floor, electric lights, steam heat and siren on roof. **Equipment:** One 1932 Hale 500-g.p.m. triple combination pumping engine carrying one 250-gallon booster tank, 150 feet of booster hose, 800 feet of 2½-in. hose, 250 feet of 1½-in. hose, two short ladders and fair minor equipment. One Ford Model "T" truck chassis was being converted to a hose car at time of inspection. This apparatus will carry a supply of 2½-in. hose, two short ladders and some minor equipment. **Hose:** All 2½-in. hose is C.R.L. with National Standard screw couplings. The total supply of 2½-in. hose is 800 feet, all of which is carried on the apparatus. Hose is repacked and tested at normal pump operating pressures at monthly drills. No hose is over 5 years old. No adequate provisions for drying. **Operations:** The company is governed by company by-laws under the supervision of a Fire Committee of the Borough Council. Motors are started at least weekly and there are four appointed drivers. **Drills and Training:** Company drills are held monthly under the direction of the chief officers. They consist of hose laying, pump operation and some ladder work. **Fire Methods:** Booster lines and 1½-in. hose streams are used on incipient fires supported by hydrant and engine streams with open nozzles. No shut-off nozzles, gas masks or salvage equipment provided at time of inspection. **Response to Alarms:** The company responds to all borough alarms and provides protection to the surrounding Montgomery Township. Aid may be secured from volunteer departments at Hopewell and Princeton at distances of about five to six miles. **Building Inspection:** No routine inspections except that complaints are investigated and the chief inspects the school twice annually. **Records and Reports:** Records consist of fairly complete fire reports and annual reports are made to the Mayor and Council. **Fire Alarms:** Alarms are telephoned through the Bellemead and Princeton exchanges to a member's home or place of business near the fire station and sounded on a siren on the fire station. The siren is operated from a push-button on front of building.

POLICE DEPARTMENT: Consists of a chief and special officers including two fire police and the Mayor and Council. No vehicles provided. The state police patrol this area and barracks are located at Penns Neck at a distance of about six miles.

BUILDING LAWS: None.

EXPLOSIVES AND FLAMMABLES: No regulations except that the state laws limit the use of fireworks to responsible bonded parties.