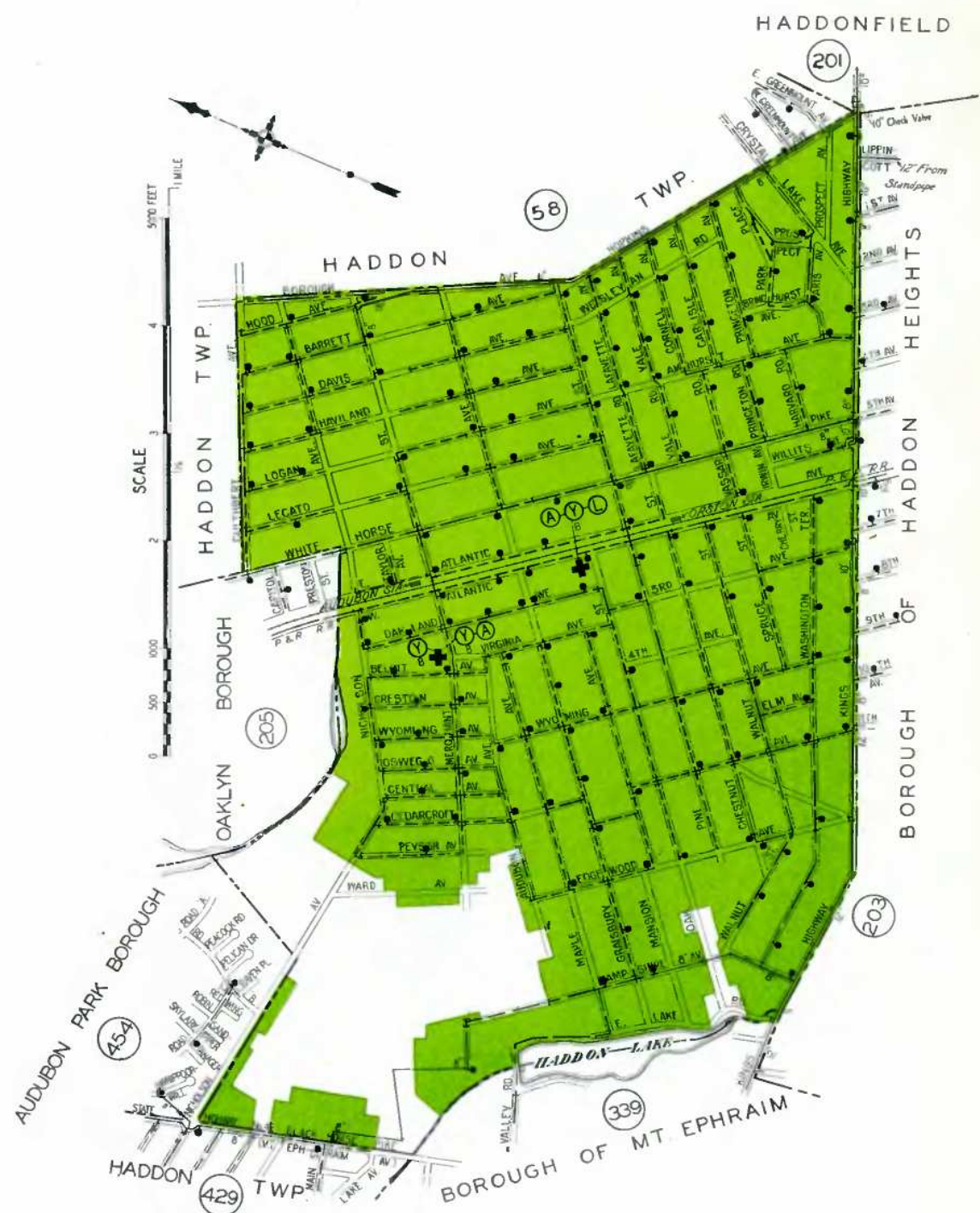


Superseding Map No. 204 of March 30, 1940. Please destroy old issue.



- KEY**
- PROTECTED FIRE ZONE: Shown in Green.
- NOTE.—Fire protection report on file in Engineering Department of F. I. R. O. of N. J.
- Elevations range from 10 to 103 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:
- (Y) Pumping engine and hose car
 - (L) Ladder truck
 - (A) Ambulance, Squad or Auxiliary car
 - (O) Booster tank or tanks on above

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

Audubon Borough
Camden County, New Jersey

FEBRUARY 15, 1951

AUDUBON BOROUGH, CAMDEN COUNTY, NEW JERSEY.

Population—Census of 1930 was 8,904.

IN GENERAL: Located on the Reading Railroad about five miles southeast of Camden. A residential community composed mainly of commuters to Philadelphia Area about 1.7 square miles. Elevations range from 10 to 103 feet. Main roads concrete, others macadam in fair to good condition. Railroad crossings at grade are said never to have interfered with the response of fire apparatus.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the New Jersey Water Company, a subsidiary of the American Water Works and Electric Company, which owns supply works and distribution system. For details as to organization, supply works, pumping station and storage facilities see report on Haddon Heights with Map No. 203. **Consumption:** The average and maximum daily consumption during 1938 in the entire territory served from Barrington and Haddon Heights was 1,296 and 1,740 million gallons. On December 31, 1938, there were 2,564 services in Audubon, all of which were metered. **Distribution System:** In one service; see map. System is well gridironed with 4- and 6-inch mains with few dead ends supplying hydrants. Supply is through a 12-inch main from the pumping station in Barrington. **Pipe:** Cast iron, tar coated, bell and spigot joint, of which about 20% is cement lined, laid with a 3½-foot cover. Total length 126,500 feet; 2.2% 12-inch, 2.6% 10-inch, 8.9% 8-inch, 24.9% 6-inch and 61.4% 4-inch. No trouble from frozen mains or electrolysis. **Gate Valves:** There are 243 on the system in Audubon of various makes. Direction of operation is not uniform. A complete inspection and survey was made during 1936 and all valves are operated and inspected annually. **Hydrants:** There are 146 in Audubon mainly of Corey make of standard type with two 2½- and one 4½-inch outlets and 4-inch gated branches. Hydrants are inspected at least annually and were in good condition at time of inspection. **Pressures:** Readings taken at four hydrants widely distributed showed pressures ranging from 45.5 to 53 pounds with an average of 49 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on December 1, 1939, by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow and pressure during flow were as follows:

Kings Highway and White Horse Pike, 780—45.5—38
W. Atlantic Ave and Merchant St., 620—52.5—27.5.
Hood Ave. and Merchant St., 190—45.5—39.
Graisbury Ave., E of Hampshire Ave., 410—53—41

FIRE DEPARTMENT: A volunteer organization of two companies under partial control of borough which appropriated \$6,000 for the support of the department in 1939. Borough owns apparatus and equipment and company owns houses. Total membership 122, of whom about 64 are available at all times. There is a fire marshal, a chief, 2 assistant chiefs, 2 foremen and 2 assistant foremen who are elected annually by the company and confirmed by borough council. **Companies—Defender Company No. 1:** Membership 62. Located on West Atlantic Avenue and Oak Street. Building is a 2-story frame structure with a slate roof, concrete apparatus floor, steam heat, electric lights, hose tower, siren, and telephone. **Equipment:** A 1931 Maxim 1,000-g.p.m. engine carrying a 70-gallon booster tank, 200 feet of booster hose, 950 feet of 2½-inch hose, 100 feet of 1½-inch hose, a foam generator, 2 short ladders and fair minor equipment. A 1940 Ford auxiliary car carrying 7 salvage covers and good minor equipment. A 1927 Hale city service ladder truck carrying 11 ladders ranging 8 to 55 feet and totaling 282 feet, 2 gas masks, a life net, 450 feet of 2½-inch hose and good minor equipment. **Audubon Volunteer Fire Company No. 1:** Membership 60. Located on Merchant Street opposite Virginia Avenue. Building is a 2-story brick structure

with a slag roof, concrete apparatus floor, steam heat, electric lights, siren, and telephone. **Equipment:** A 1927 American La France 750-g.p.m. engine carrying a 40-gallon booster tank, 200 feet of booster hose, 900 feet of 2½-inch hose, 2 salvage covers, 2 short ladders and good minor equipment. A 1937 Dodge 350-g.p.m. engine carrying a 100-gallon booster tank, 100 feet of booster hose, 600 feet of 2½-inch hose, 400 feet of 1½-inch hose, 2 gas masks, 2 salvage covers, 2 short ladders and fair minor equipment. **Hose:** All 2½-inch hose is C.R.L. with Jones snap couplings. It is shifted and tested every three months at 80 pounds and dried in hose tower. There is 600 feet of 2½-inch hose in reserve and 400 feet over five years old. **Operations:** Department governed by borough ordinance and company by-laws. Chief has control of apparatus at all times and of men at fires and drills. He has power to suspend members pending a hearing before company. Motors are started daily. There are 40 members of the department who drive and operate the apparatus. **Drills and Training:** Drills held monthly under the supervision of marshal and chief consist of hose laying, pump operation, ladder raising and use of equipment. All members of the department have attended the Camden County Drill School and have been instructed by Philadelphia firemen in all fire department evolutions. **Fire Methods:** Booster streams used on incipient fires reinforced with engine and hydrant streams with shut-off nozzles. Engines usually hook up. Gas masks, salvage equipment and heavy stream appliances are provided. **Response to Alarms:** The entire department responds to all alarms in borough. Outside aid may be secured from Oaklyn and Haddon Heights. **Building Inspection:** Marshal makes an annual inspection of all schools and public buildings. **Records and Reports:** Complete records kept of all fires consist of time, location, amount of equipment used, number of men attending, and damage. An annual report is submitted to commissioner of public safety and Camden County Firemen's Association. **Fire Alarms:** Alarms of fire are telephoned to police headquarters where there is always someone on duty and are sounded from there on sirens located at fire houses. There are 14 police telephones connected to a switchboard at police headquarters which may be used for fire alarms. System is owned and maintained by the Keystone Telephone Company.

POLICE DEPARTMENT: Consists of a chief, 2 sergeants, 7 patrolmen and 3 desk men working on 8-hour shifts. Two cars and a motorcycle are provided. Patrolmen respond to alarms of fire and report unauthorized construction to building inspector. There are 16 fire police who are members of the fire department who aid the patrolmen in policing at fires.

BUILDING LAWS: Code adopted April 10, 1934, provides for the appointment of a building inspector and requires that plans be filed before permits are issued. Fire limits which include the entire borough are established. Code has some good regulations with regard to fire protection, but is not as complete as the Code of Suggested Ordinances as recommended by the National Board of Fire Underwriters. Flammable roof coverings are prohibited in fire limits.

EXPLOSIVES AND FLAMMABLES: Ordinance adopted July 12, 1938, requires that a permit be secured from fire marshal before an oil burner may be installed, and that burner should be installed according to the regulations of the National Board of Fire Underwriters. State laws adequately cover the storage and shipment of explosives, the construction of motion picture booths and restrict the use of fireworks to responsible bonded parties.