



KEY
PROTECTED FIRE ZONE: Shown in Green.
Note.—For description of fire protection, etc., see other side.
Elevations range from 50 to 202 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 car
④ Ambulance, Squad or Auxiliary car
⑤ Booster tank or tanks on above

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

**Pine Hill Borough
and
Pine Valley Borough
Camden County, New Jersey**

NOVEMBER 30, 1950

November 30, 1950.

PINE HILL BOROUGH AND PINE VALLEY BOROUGH, CAMDEN COUNTY, NEW JERSEY.**Population—1940 Census: Pine Hill—1,537; Pine Valley—27.**

IN GENERAL: It is a residential community located about twelve miles southeast of Camden. Area is 3.05 square miles. Elevations range from 50 to 202. Main roads improved, others gravel in fair to poor condition.

WATER SUPPLY: Water for domestic and fire protection purposes is furnished by the Borough of Clementon which owns supply works and distribution system. For details see Clementon Borough Map No. 103. **Distribution System:** In one service; see map. Supply is through an unsupported 6-inch feeder. **Consumption:** The average and maximum daily consumption for the entire territory (1,700 services) during 1949 was 0.456 and 0.684 m.g. respectively. Of the 300 services in Pine Hill about 5% are metered. **Pipe:** Cast iron, tar coated, bell and spigot joint, laid with a 4-foot cover. No trouble from frozen mains or electrolysis. Total length 5,600 feet; 43% 4-inch, 57% 6-inch. **Gate Valves:** There are 5 of R. D. Wood make set in iron boxes at grade. All open to right. They are inspected occasionally. **Hydrants:** There are 8 of Wood make. All have two 2½-inch and one 4½-inch outlets, 4-inch or 6-inch barrels, and 4-inch or 6-inch gated branches. All 2½-inch outlets have 6 threads per inch and are 3 inches outside diameter; 4½-inch outlets have 7 threads per inch and are 5 9/16 inches outside diameter. They are inspected twice a year. Those operated during survey were found to be in fair condition. **Pressures:** Readings taken at 2 hydrants showed a pressure of 24 pounds. **Fire Flow Tests:** Probable supply available for fire protection purposes was measured on May 16, 1950 by means of Pitot tube. Location of hydrant, discharge in gallons per minute, pressure before flow, and pressure during flow were as follows:

Erial and 5th Aves., 360—24—9.

6th and Kayser Aves., 200—24—*.

*No reading taken.

FIRE DEPARTMENT: A volunteer organization of three companies under control of the borough which appoints a chief and a deputy chief. Each company elects a chief, an assistant chief, and a captain. There are about 210 active men, of whom about 30 are available at all times. The borough appropriated \$1,400 for the support of the fire department for 1950. Each company owns its house, apparatus, and equipment, except one apparatus of Company No. 2 and one apparatus at Company No. 3. **Pine Hill Fire Company No. 1:** Membership 22. Located on Erial Avenue south of Third Avenue. Building is a one-story frame and concrete block structure with wood apparatus floor, composition roof, electric lights, and hot air heat. No telephone installed. **Equipment:** A 1929 Chevrolet triple combination pumping engine carrying a Ford-Hale 500-g.p.m. skid pump, 850 feet of 1½-inch hose, and meager minor equipment. A 1939 GMC 75-g.p.m. booster car carrying a 500-gallon booster tank, 500 feet of booster hose, 300 feet of 1½-inch hose, 2 short ladders, and fair minor equipment. **Amber Terrace Fire Company No. 2:** Membership 28. Located at Cross Road and Branch Avenue. Building is a 1-story frame and concrete block structure with composition roof, concrete apparatus floor, electric lights, and hot air heat. No telephone installed. **Equipment:** A 1939 Dodge-Darley front mount 500-g.p.m. triple combination pumping engine carrying a 300-gallon booster tank, 200 feet of booster hose, 200 feet of 1½-inch hose, 800 feet of 2½-inch

hose, 2 short ladders, 1 gas mask, and fair minor equipment. A 1936 Diamond T auxiliary truck carrying a 1,000-watt electric generator, 2 flood lights, 1 short ladder, and first-aid equipment. **Eagle Volunteer Fire Company No. 3:** Membership 160. Located on Erial Avenue near Clearview Avenue. Building is a 2-story frame and concrete block structure with wood apparatus floor, composition roof, electric lights, hot water heat, and telephone. **Equipment:** A 1924 Hale 500-g.p.m. triple combination pumping engine carrying a 70-gallon booster tank, 200 feet of booster hose, 100 feet of 1½-inch hose, 900 feet of 2½-inch hose, 2 short ladders, and fair minor equipment. A 1948 GMC booster car carrying a 650-gallon booster tank, 600 feet of booster hose, 1 short ladder, and meager minor equipment. A 1938 La Salle ambulance carrying a resuscitator, and first-aid equipment. **Hose:** All 2½-inch hose is C.R.L. with Jones snap couplings. It is tested annually at 150 pounds, shifted at drills, and dried on apparatus floor. **Operations:** Companies are governed by borough ordinances and their own by-laws. Each chief has full control of his company's apparatus at all times and of men at fires and drills. Motors are started daily. All men in each company can drive. **Drills and Training:** Drills are held monthly under the supervision of the chief officers and consist of hose and ladder work, pump operation, and general instructions. **Fire Methods:** Booster lines are used on incipient fires reinforced by engine streams where hydrants or water are available. One gas mask is available. Salvage and heavy stream equipment are lacking. **Response to Alarms:** Entire department responds to all alarms in the borough. Outside aid may be secured from nearby volunteer departments. **Building Inspection:** No inspections are made by the fire department. **Records and Reports:** Each company keeps a record of all fires and makes an annual report to the borough council. **Fire Alarms:** Alarms are telephoned to nearby locations and are sounded on sirens at fire houses.

POLICE DEPARTMENT: Consists of 2 regular and 1 part-time patrolmen and 4 specials. One radio car is provided.

BUILDING LAWS: Code adopted August 6, 1929 provides for a building inspector, has some regulations with regard to chimneys and heating devices, but in general does not conform to the code recommended by the National Board of Fire Underwriters. State laws provide some good regulations for construction of factories, tenement houses, and public schools, and fire protection and safety features for hotels.

FIRE PREVENTION LAWS: No municipal regulations. State laws adequately cover the manufacture, storage, and handling of explosives, and provide for regulations governing the intrastate transportation of explosives and flammable liquids. They also restrict the discharge of fireworks to responsible bonded parties and embody good requirements for motion picture booths and the hazard incident to the display of motion pictures except that flammable film and portable booths are permitted for temporary exhibitions, and enclosures for projection equipment are not required in schools. The State Tenement House Act restricts keeping and handling of certain combustible materials in tenements.

ZONING ORDINANCE: None.