

ENVIRONMENTAL CONSIDERATIONS

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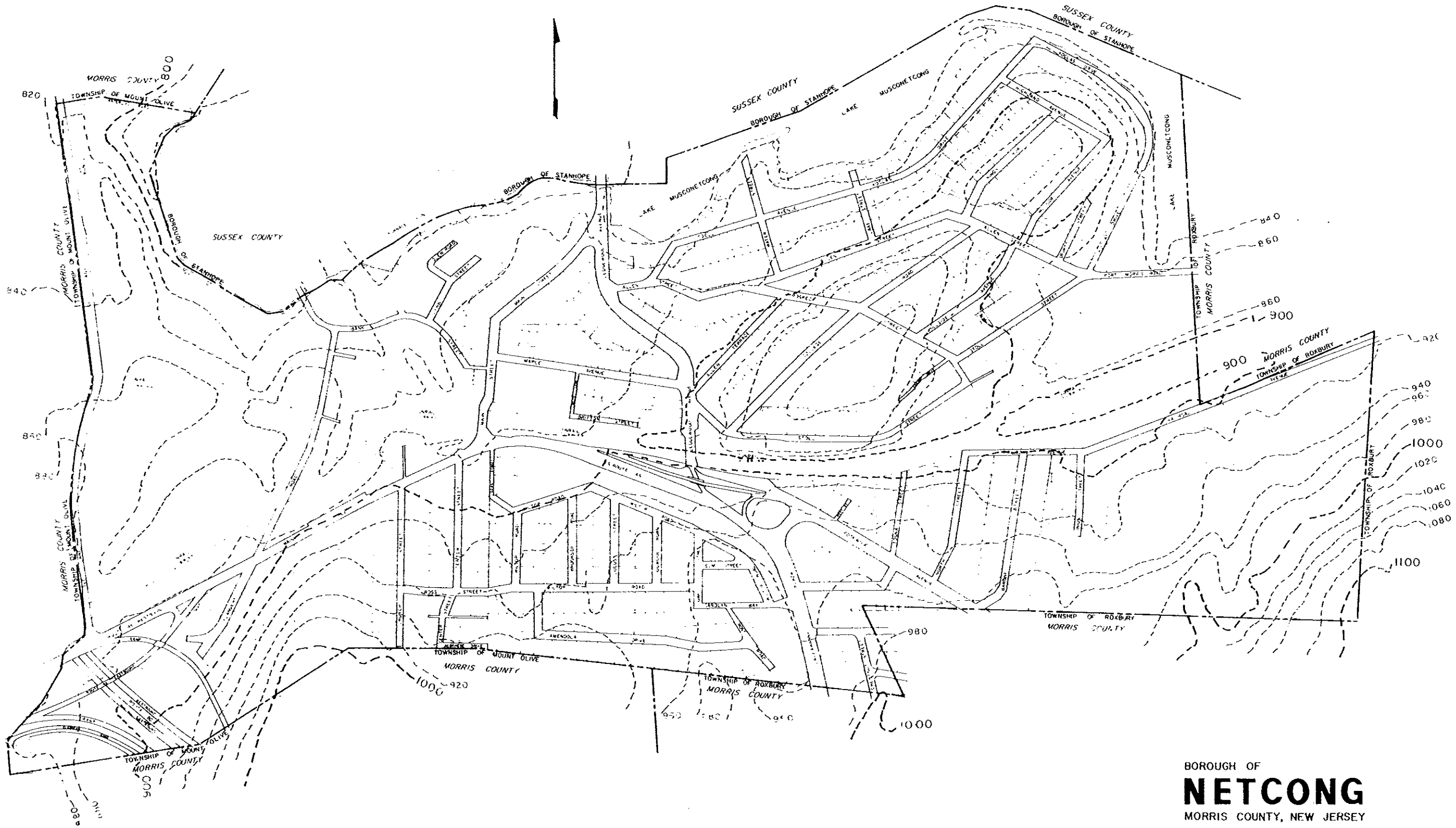
This chapter of the Master Plan relates to the environmental factors of the Borough, particularly the surface and subsurface land and soil considerations. The information contained herein assesses the primary environmental factors associated with land development.

### TOPOGRAPHY

The accompanying map entitled, "Topography", indicates that the Borough is characterized by rolling and hilly terrain. The highest point is at the southeasterly corner of the Netcong Heights Garden Apartment Complex with an elevation of approximately 1100 feet above sea level. The lowest elevation being along the Musconetcong River at the northwesterly corner of the Borough with an elevation of approximately 780 feet.

This map is a primary reference for the Master Plan. Although it has a contour interval of 20 feet, it is useful in analyzing a broad overview of the Borough. It is also the basis for determining excessive slope and the direction of surface drainage.

# TOPOGRAPHY



BOROUGH OF  
**NETCONG**  
 MORRIS COUNTY, NEW JERSEY

MORRIS ENGINEERS, INC.  
 1000 W. 10TH ST.  
 MORRIS COUNTY, N.J.



CONTOUR INTERVAL 20 FEET  
 SOURCE: U.S. GEOLOGICAL SURVEY

### EXCESSIVE SLOPES

Excessive slopes are those with a 20% or greater incline. There is only one undeveloped area with excessive slopes lying south of Main Street (Route 46) between Flanders Road and Church Street. Other areas of excessive slope exist within the Borough in already developed areas. Some places are between Allen Street and College Road, and parts of the Netcong Heights Garden Apartment Complex. Future development plans for the above mentioned vacant land south of Main Street (Route 46) should be given very careful review by the planning board. Due to the steepness of the grade, it is likely that development of said piece of land will not occur in the near future.

### SURFACE DRAINAGE

The accompanying map entitled "Surface Drainage" indicates how surface waters drain within the Borough. This information is also partially determined by analyzing a topography map. The Borough of Netcong is entirely in one drainage basin draining into Lake Musconetcong, which acts as a flood control basin, and then draining into the Musconetcong River. Waters from Roxbury and Mount Olive also contribute to the surface waters which flow across the Borough.

# SURFACE DRAINAGE

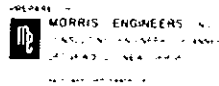


**NOTE:**  
 AREA ALONG SIDE OF LAKE  
 PREVIOUSLY DESIGNATED FLOOD  
 HAZARD AREA, HAS BEEN  
 ELIMINATED.

- DRAINAGE DIVIDES
- > DIRECTION OF FLOW
- - - - - MAJOR DRAINAGE COURSE
- ..... PROPOSED DRAINAGE COURSE

REFERENCES U.S. GEOLOGICAL SURVEY

BOROUGH OF  
**NETCONG**  
 MORRIS COUNTY, NEW JERSEY



There are two main drainage courses consisting of pipes, culverts and open channels as follows:

- (1) Originating at the Netcong Traffic Circle, running along the D. L. & W. Railroad, under the railroad, along Hilts Lane, across Maple Avenue, across Ledgewood Avenue, across Allen Street, and discharging in Lake Musconetcong in the Musconetcong State Park Area.
- (2) Originating at the Route 206 and Route 80 interchange, running between Lackawanna Plaza (Route 183) and Chestnut Street, across McMullen Street, across Helen Way, across Ledgewood Avenue (Route 46) to the D. L. & W. Railroad, along the railroad and then under the railroad, behind the houses on the southerly side of Stoll Street, across Port Morris Road and discharging in Lake Musconetcong at the baseball field.
- (2A) Originating at the Netcong Heights Apartment Complex running across Railroad Avenue, under the D. L. & W. Railroad to Port Morris Road, then running together with the course described above in No. 2 to Lake Musconetcong.

### Drainage Improvements

Drainage courses one and two described above are inadequate to carry surface runoff waters during heavier storms. The central business district, i.e., Main Street and Maple Avenue, lack sufficient storm drainage. It is recommended that these problems be corrected as soon as funds become available.

At the time of drainage improvement construction it is recommended that drainage course number one be rerouted along Ledgewood Avenue (Route 183) to the Musconetcong River instead of crossing Route 183, Allen Street and winding between buildings. Also it is recommended that a future drainage system from Main Street be routed to the Musconetcong River along Bank Street.