

PLATE 1. LOCATION OF AREA OF INVESTIGATION, DOVER TOWNSHIP, OCEAN COUNTY, NEW JERSEY
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

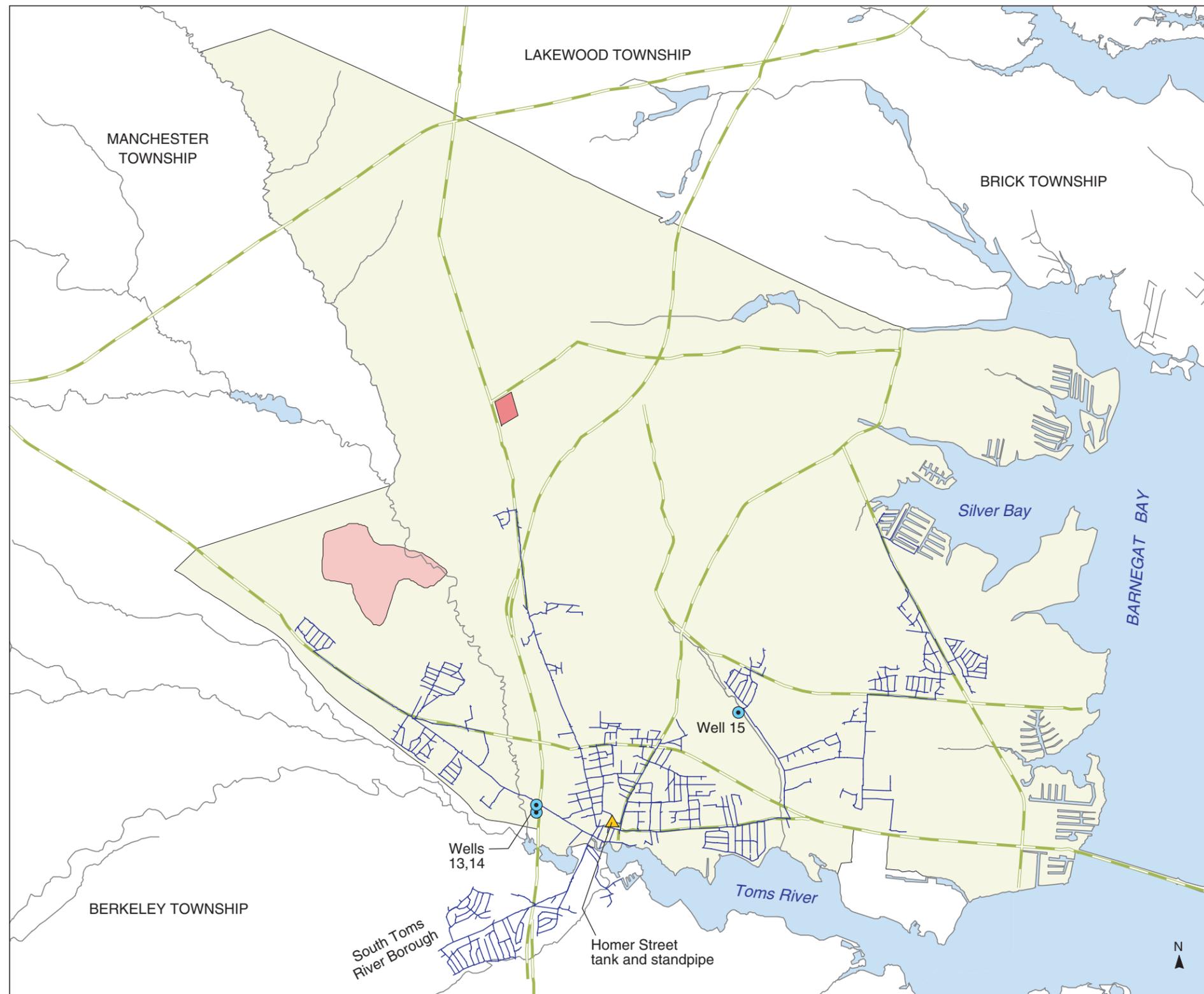


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**PLATE 2. PRESENT-DAY (1998) WATER-DISTRIBUTION SYSTEM SERVING
 THE DOVER TOWNSHIP AREA, NEW JERSEY**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Major road
 - Water pipeline
 - Hydrography
 - Municipal well
 - Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

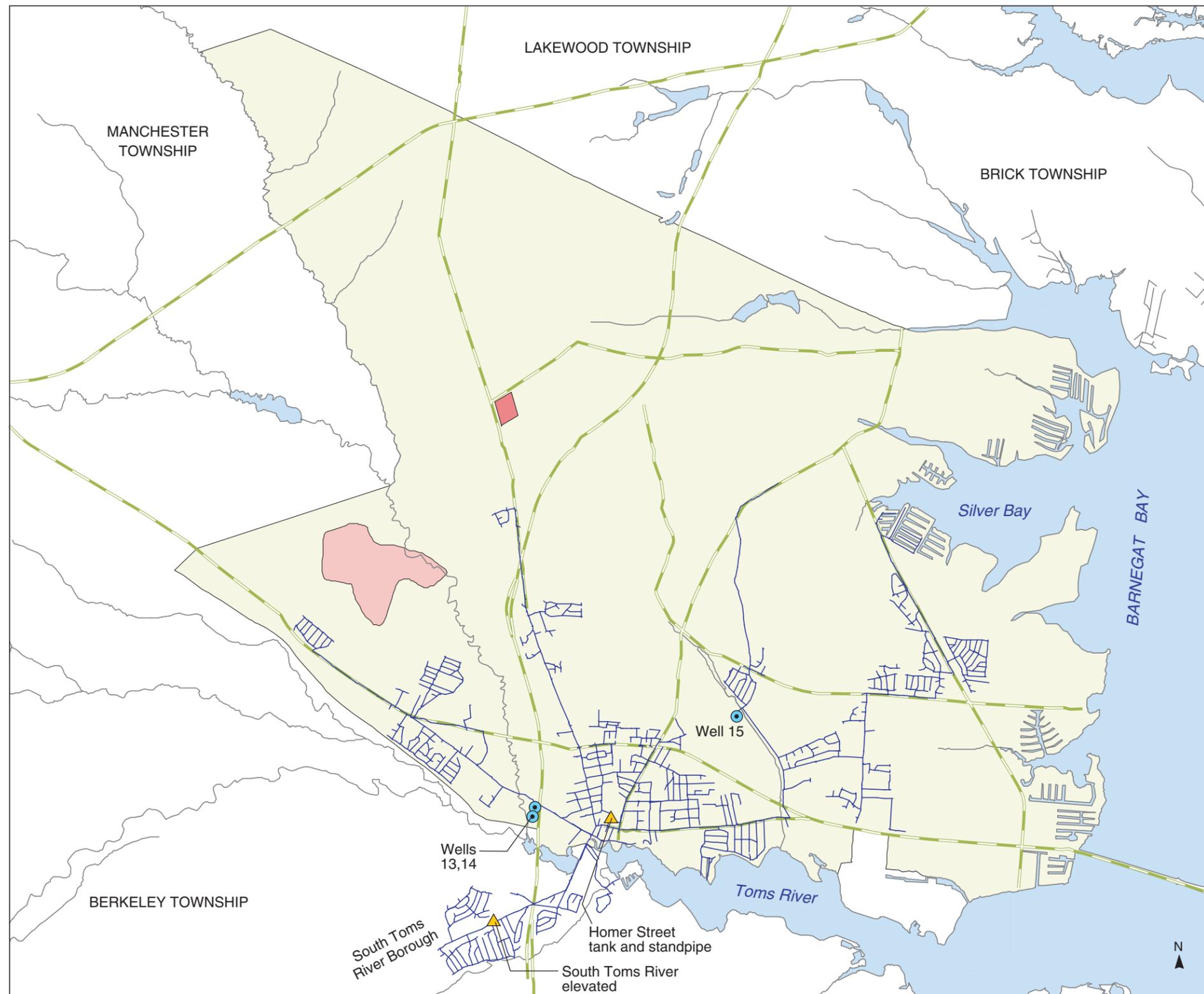


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PLATE 3. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1962

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
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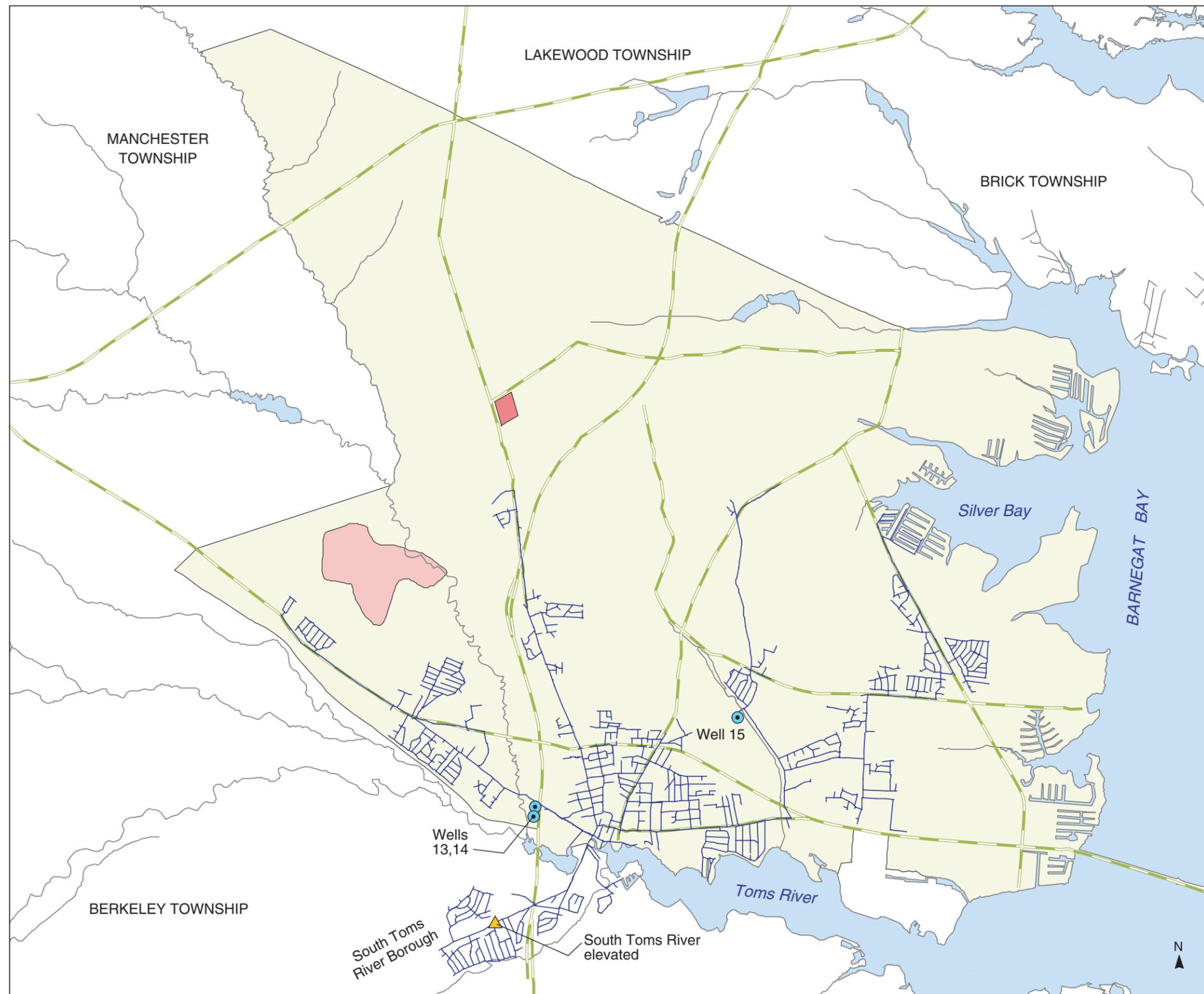


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PLATE 4. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1963

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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

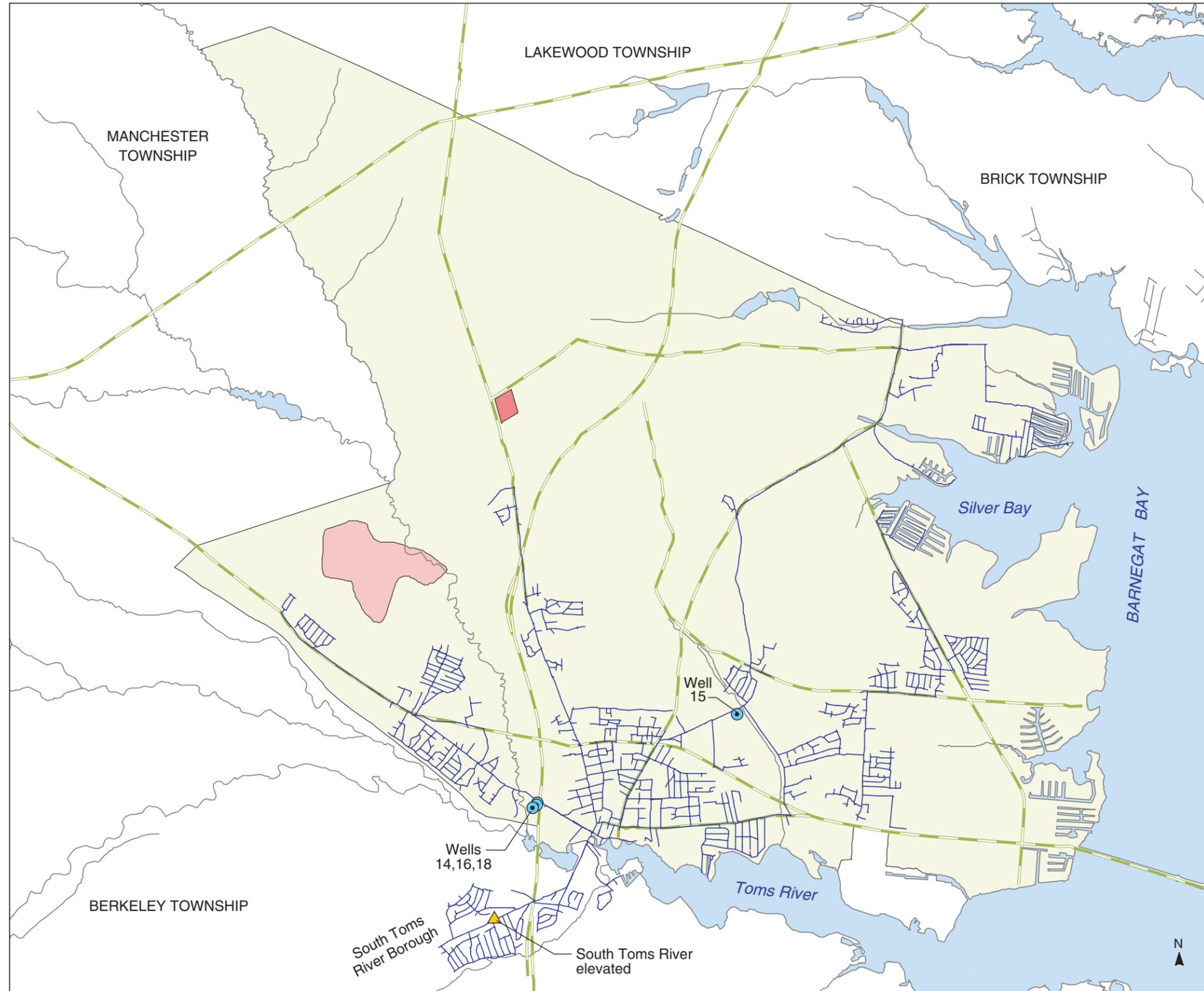
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PLATE 5. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1964
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

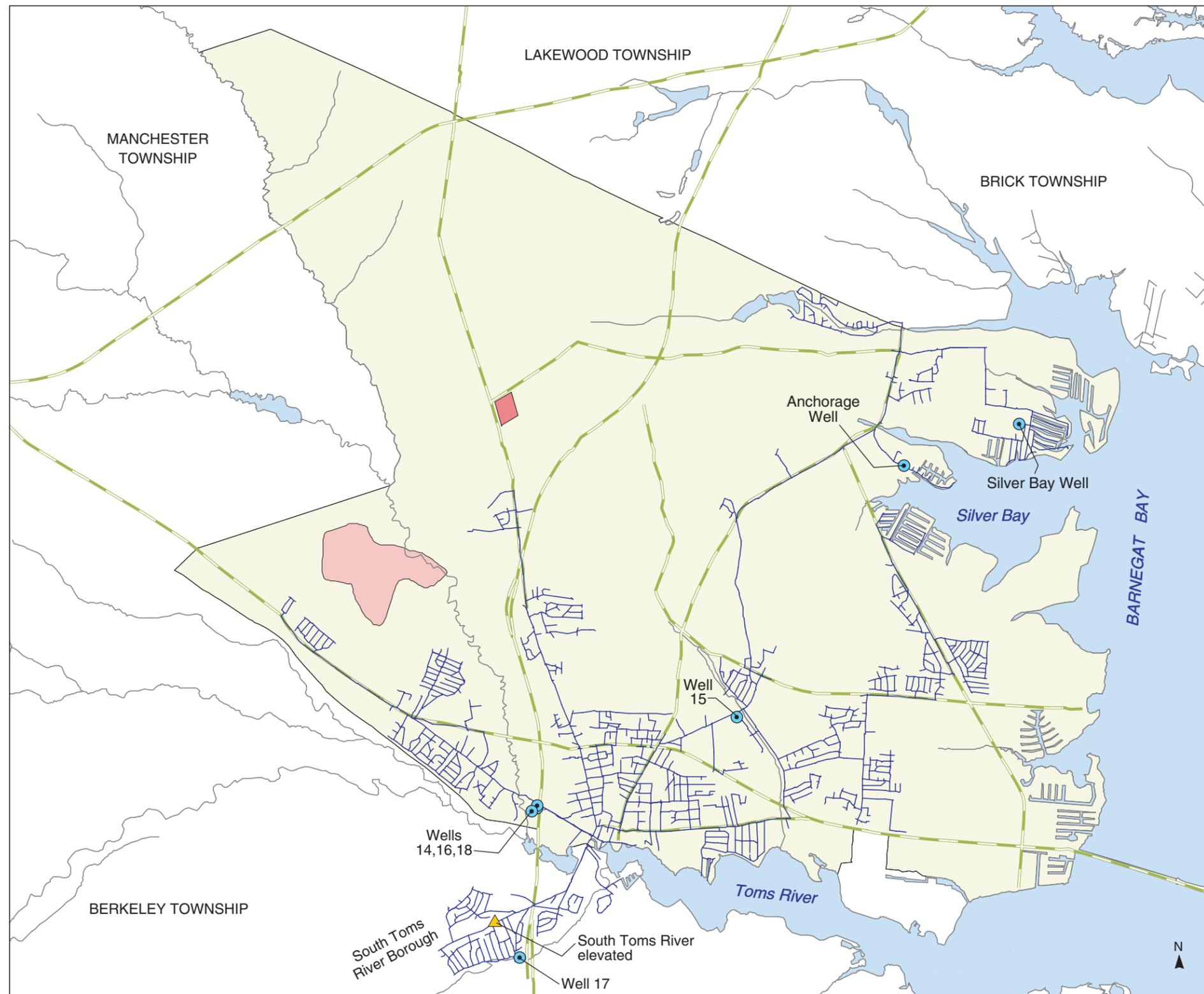
0 0.5 1 1.5 2 MILES

PLATE 6. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1965
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

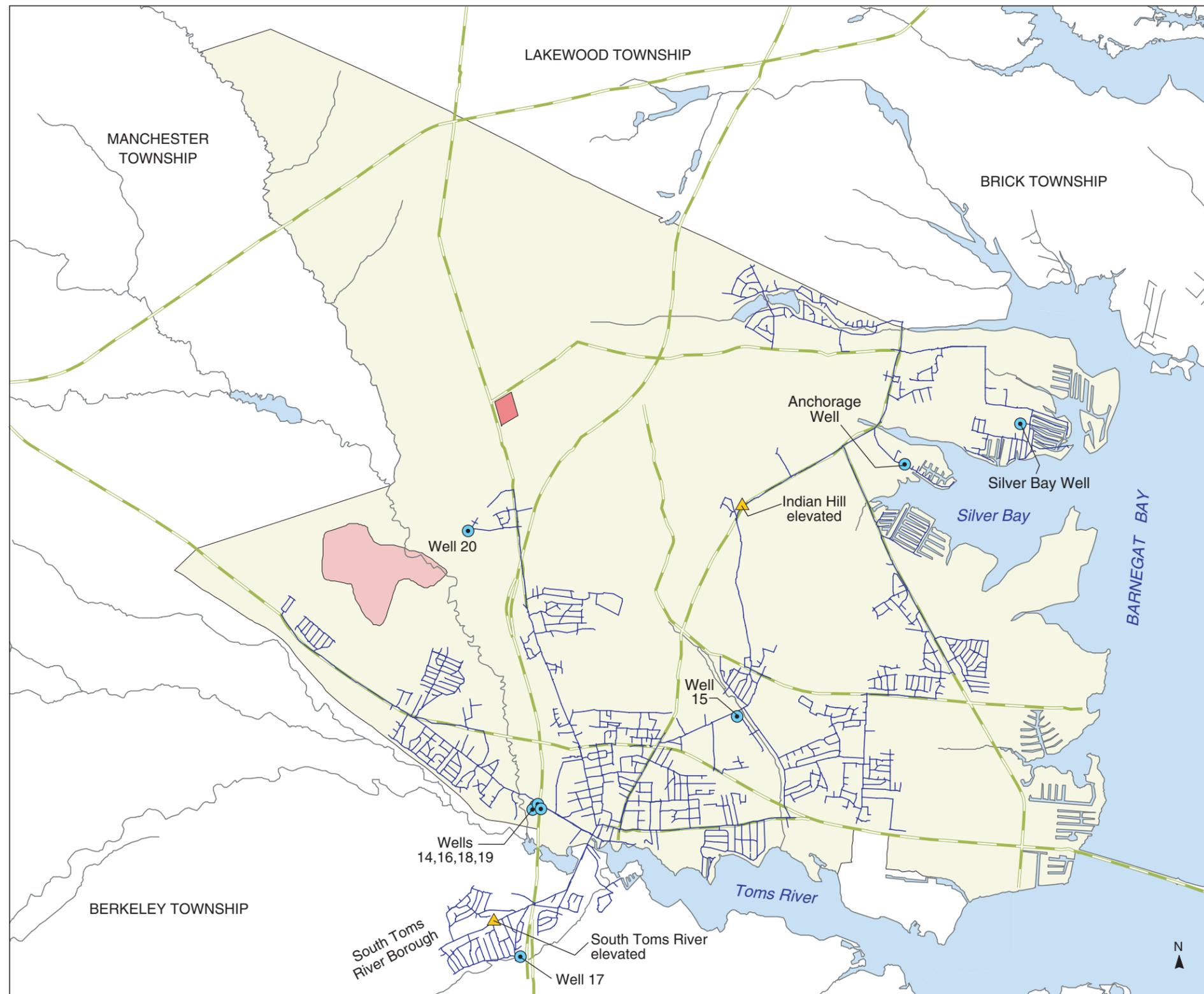


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PLATE 7. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1966

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

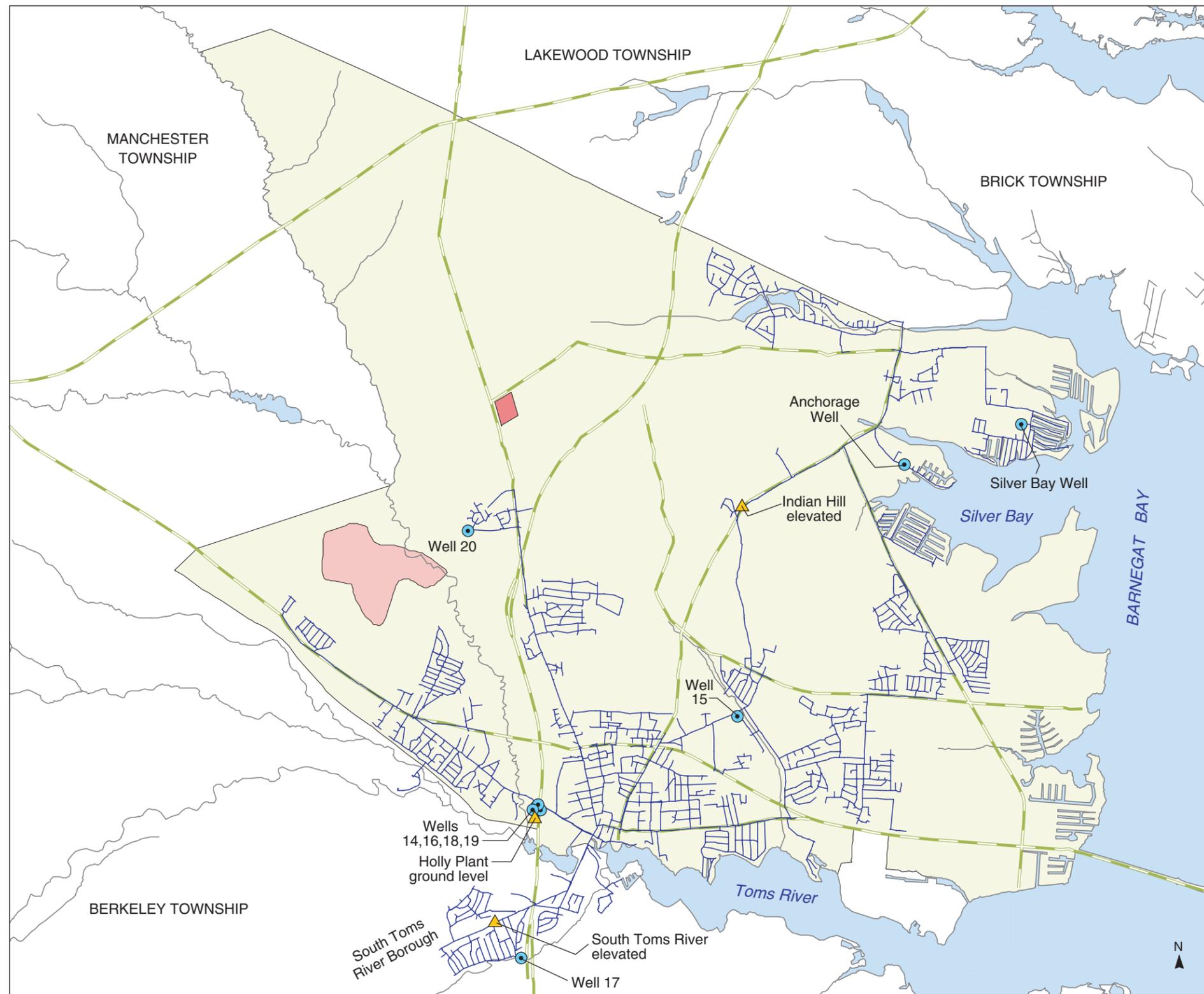


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PLATE 8. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1967

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

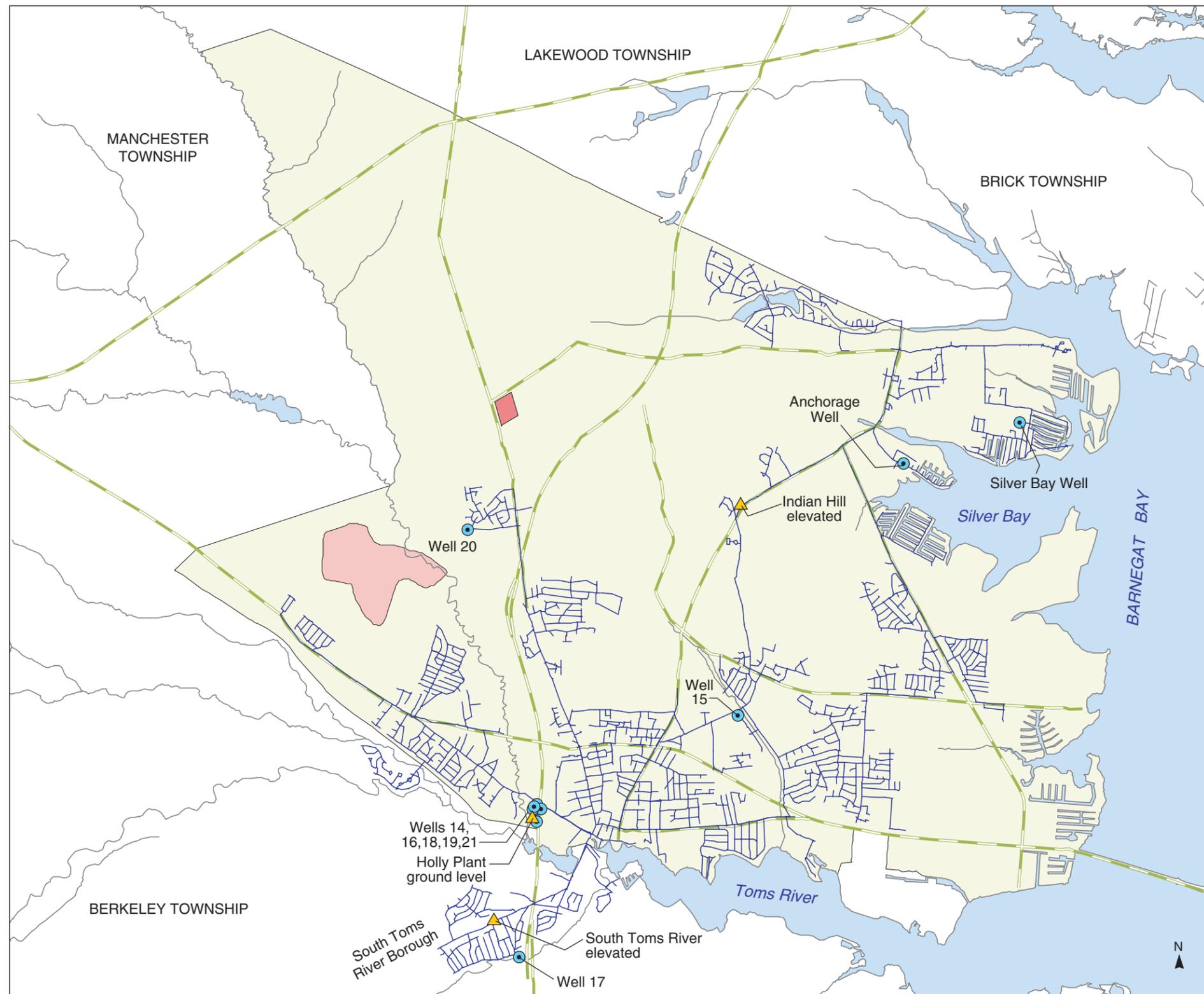


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PLATE 9. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1968

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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PLATE 10. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1969

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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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PLATE 11. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1970

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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PLATE 12. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1971
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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



PLATE 13. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1972
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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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PLATE 14. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1973
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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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PLATE 15. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1974
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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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PLATE 16. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1975
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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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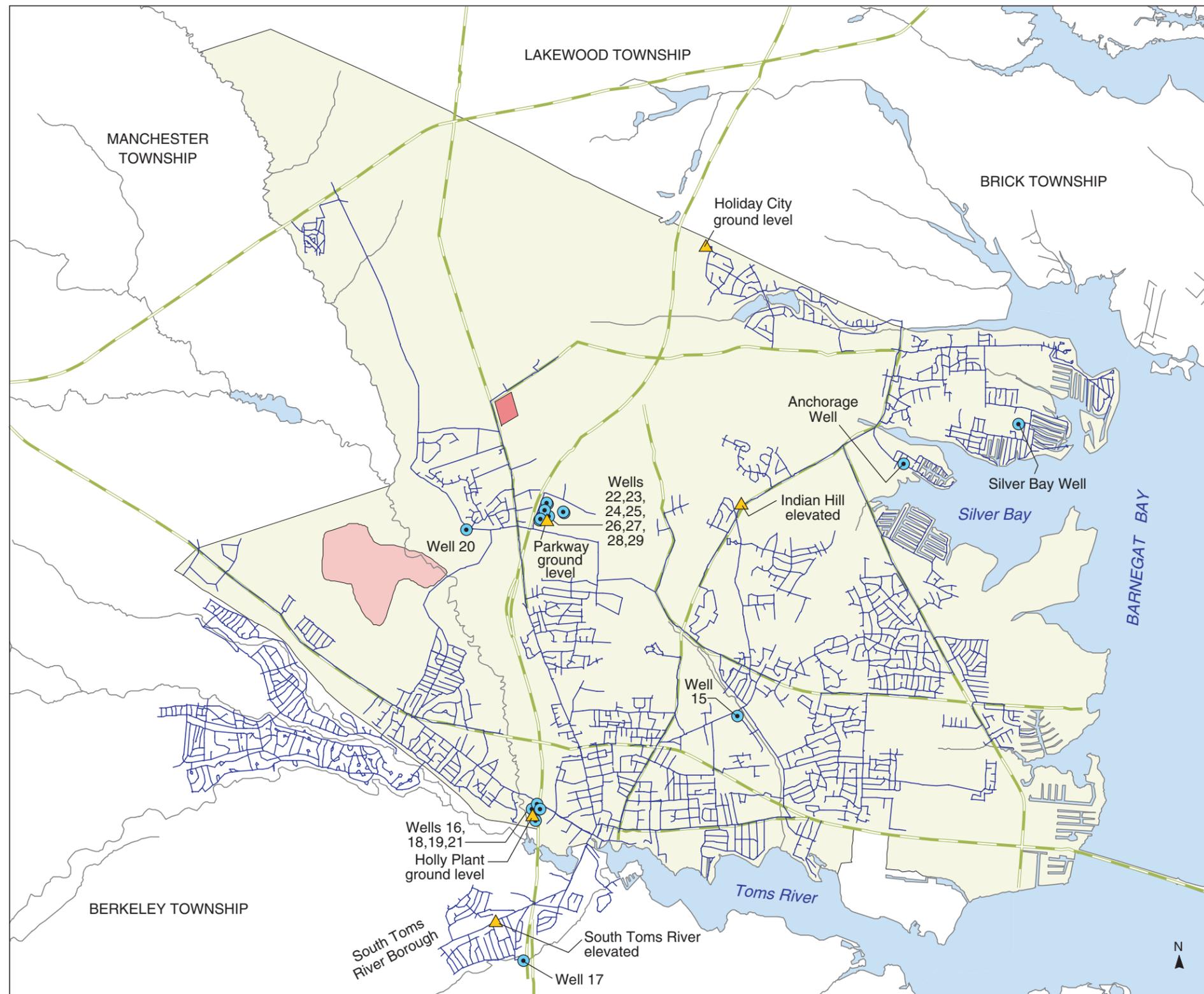


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PLATE 17. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1976

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EXPLANATION

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 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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0 0.5 1 1.5 2 MILES

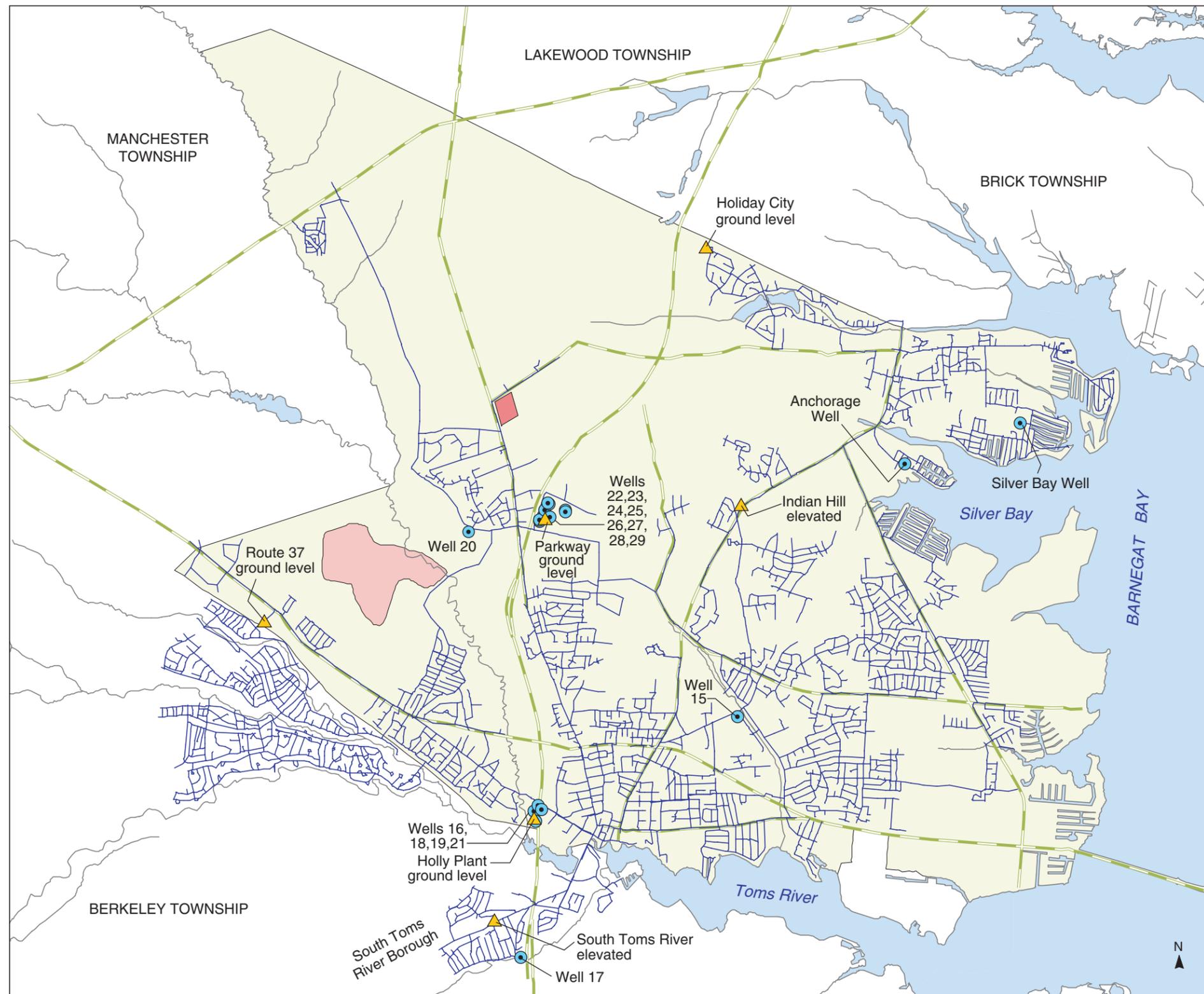
PLATE 18. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1977

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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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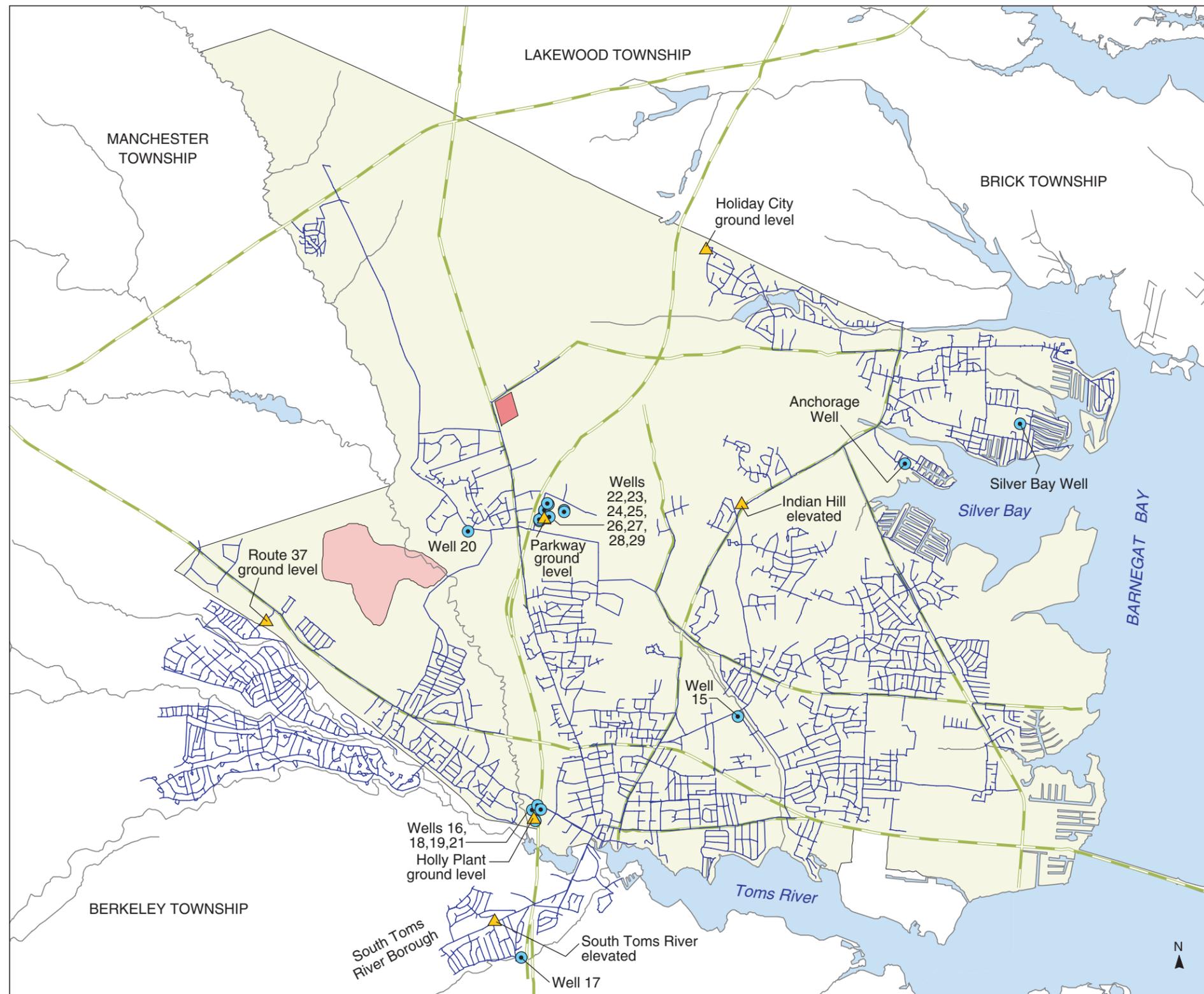
0 0.5 1 1.5 2 MILES

PLATE 19. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1978
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EXPLANATION

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 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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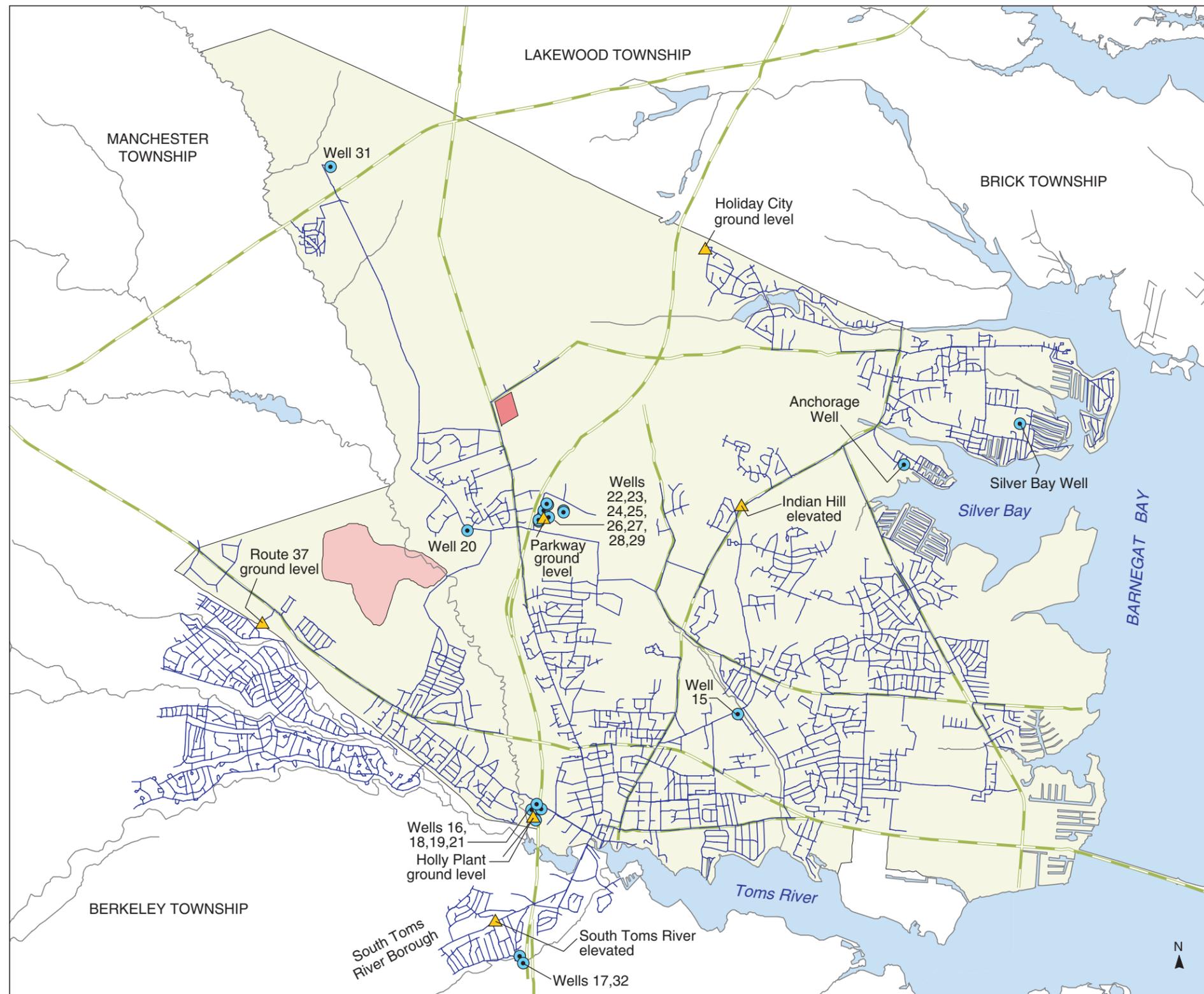


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PLATE 20. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1979

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

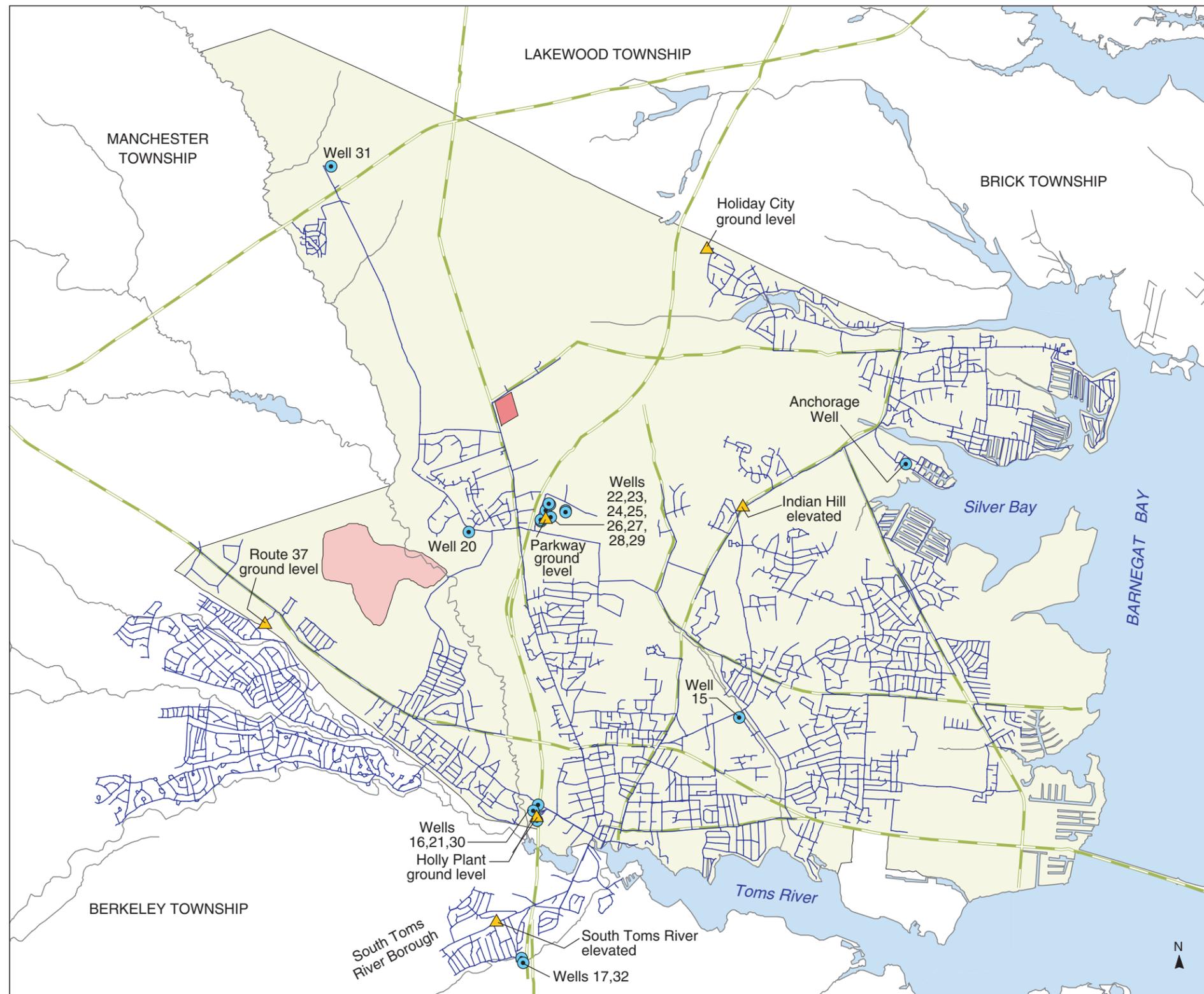
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PLATE 21. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1980
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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

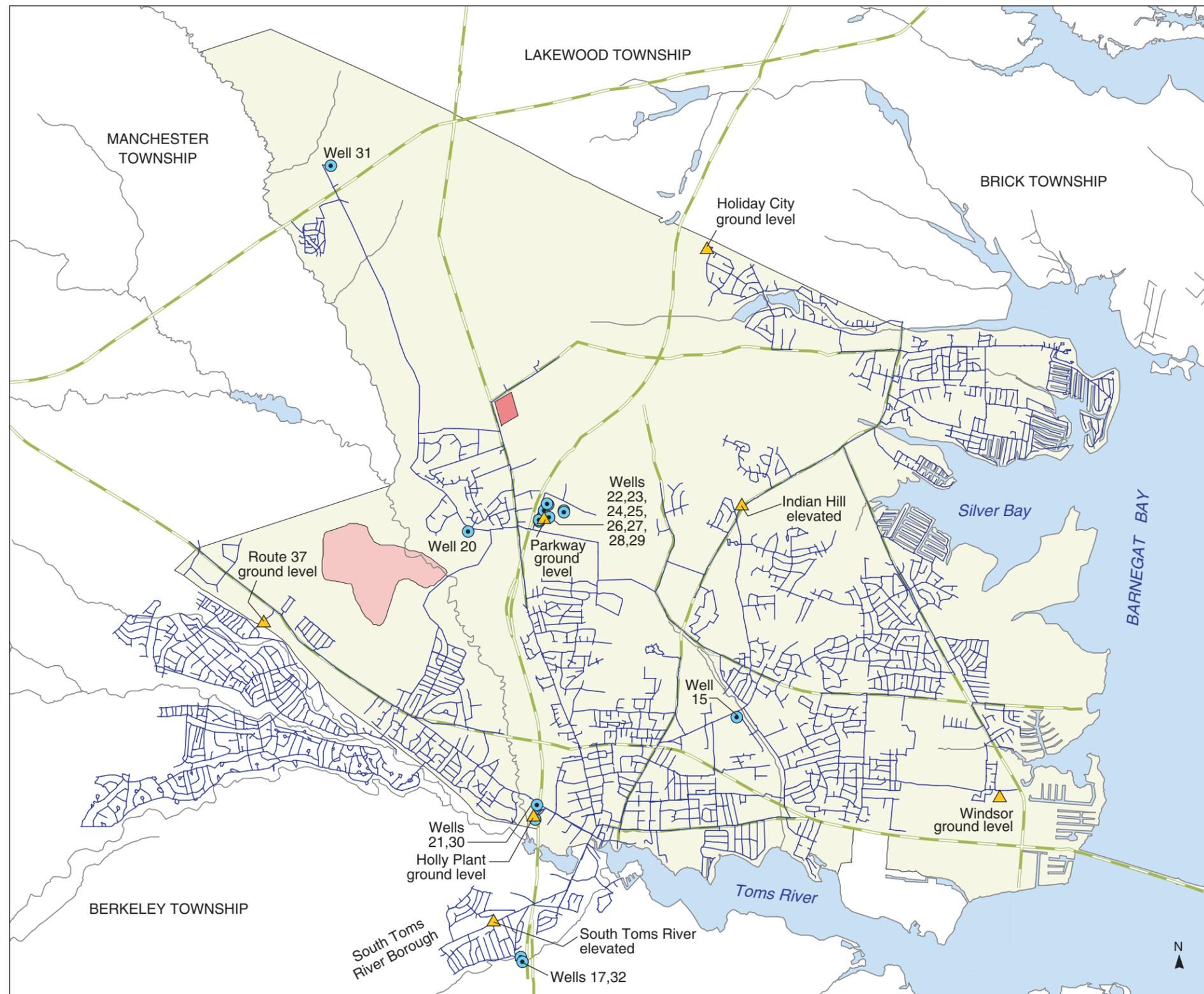
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PLATE 22. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1981
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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
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 (3) Pipeline from water-utility database (Flegal 1997)

0 0.5 1 1.5 2 MILES

PLATE 23. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1982
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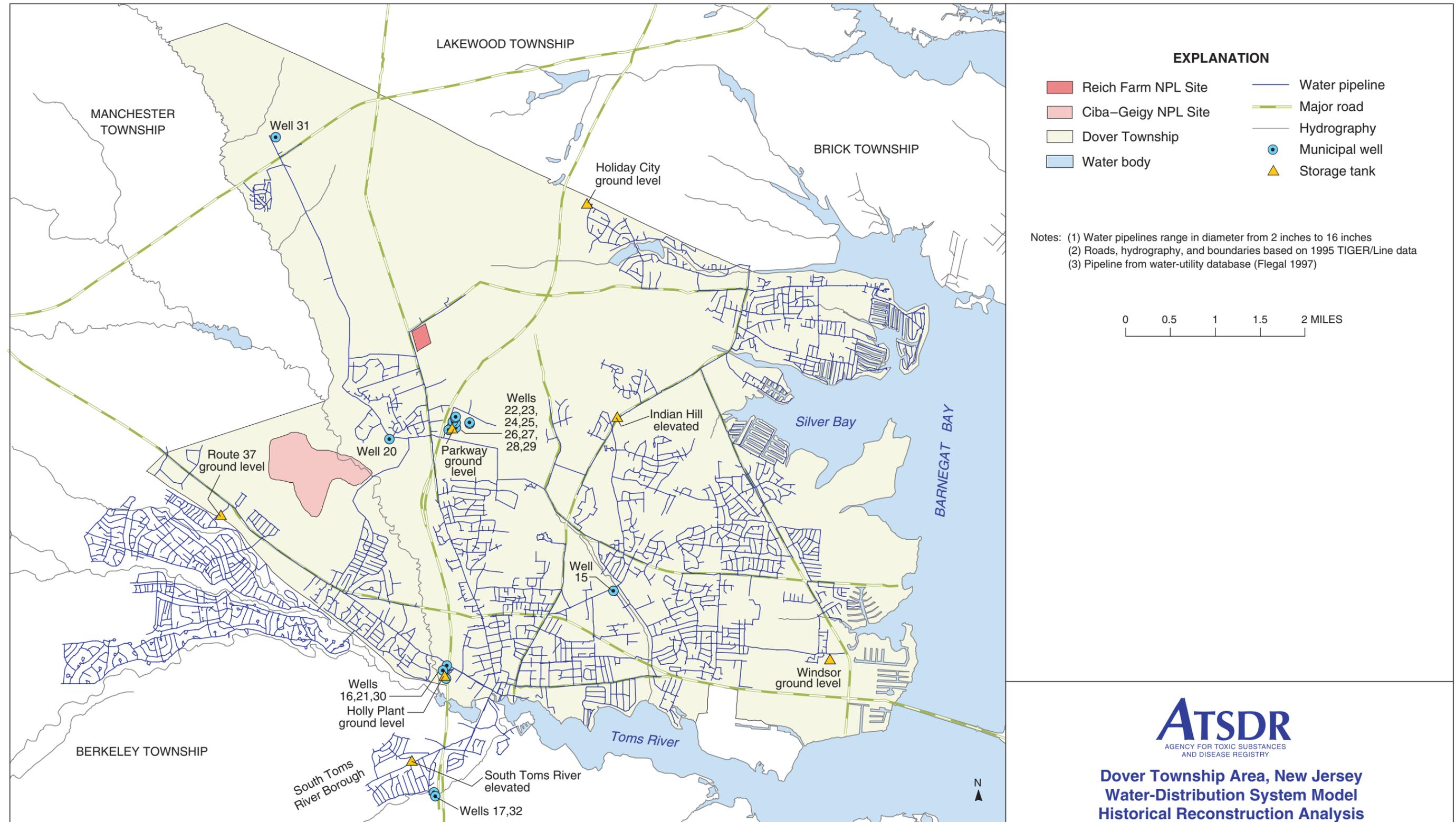


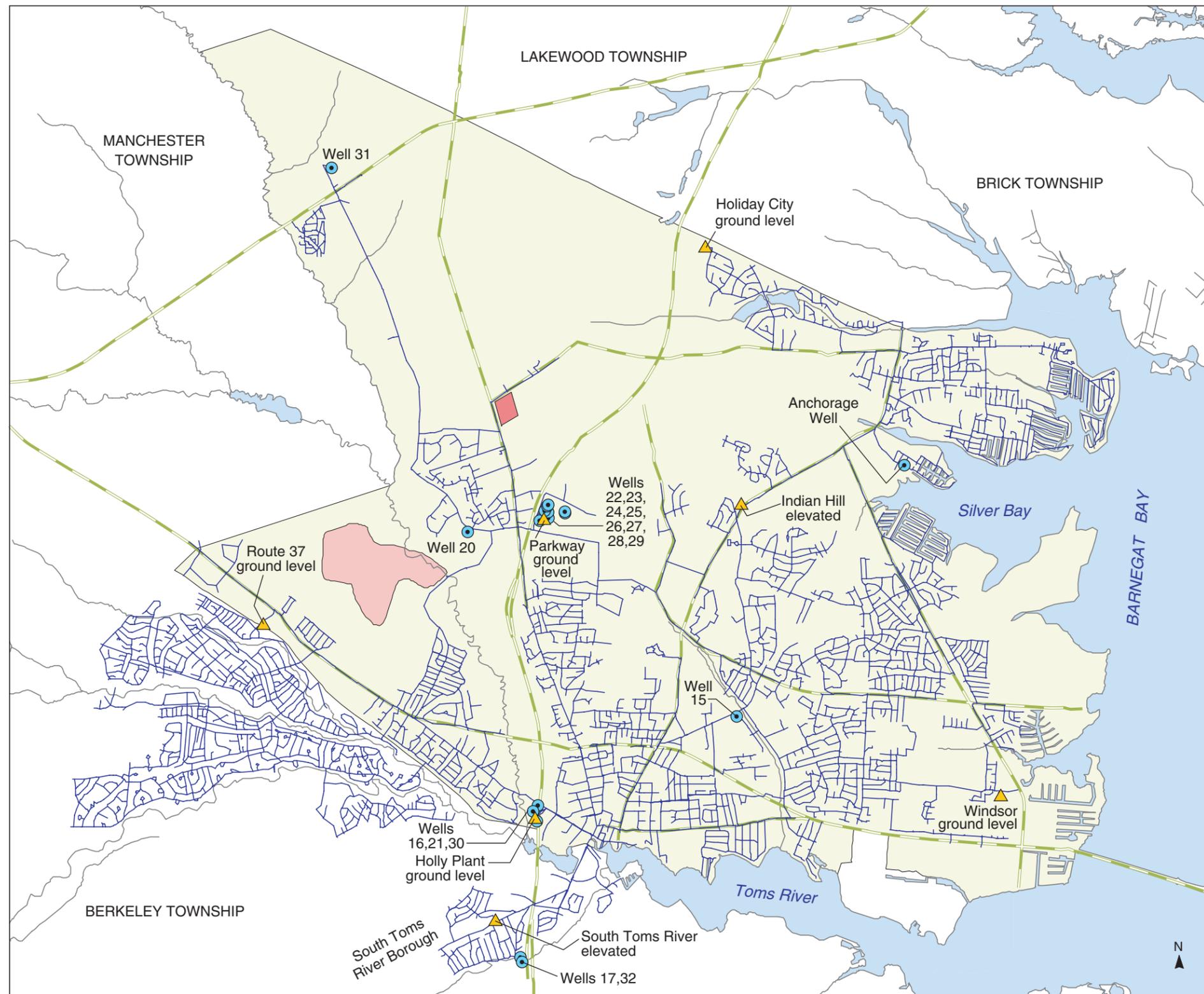
PLATE 24. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1983

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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

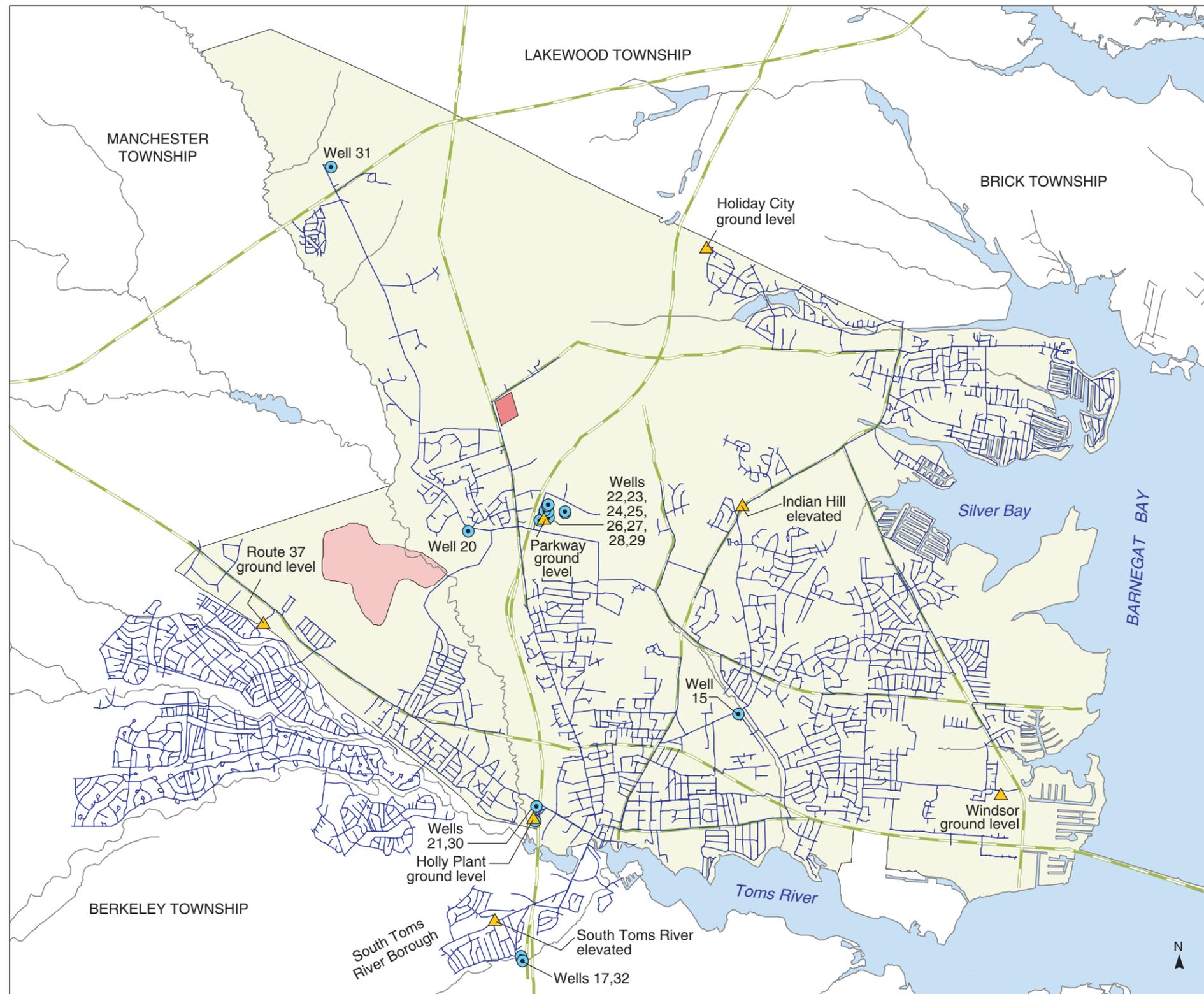
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PLATE 25. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1984
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EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 26. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1985
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 27. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1986
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

0 0.5 1 1.5 2 MILES

PLATE 28. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1987

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

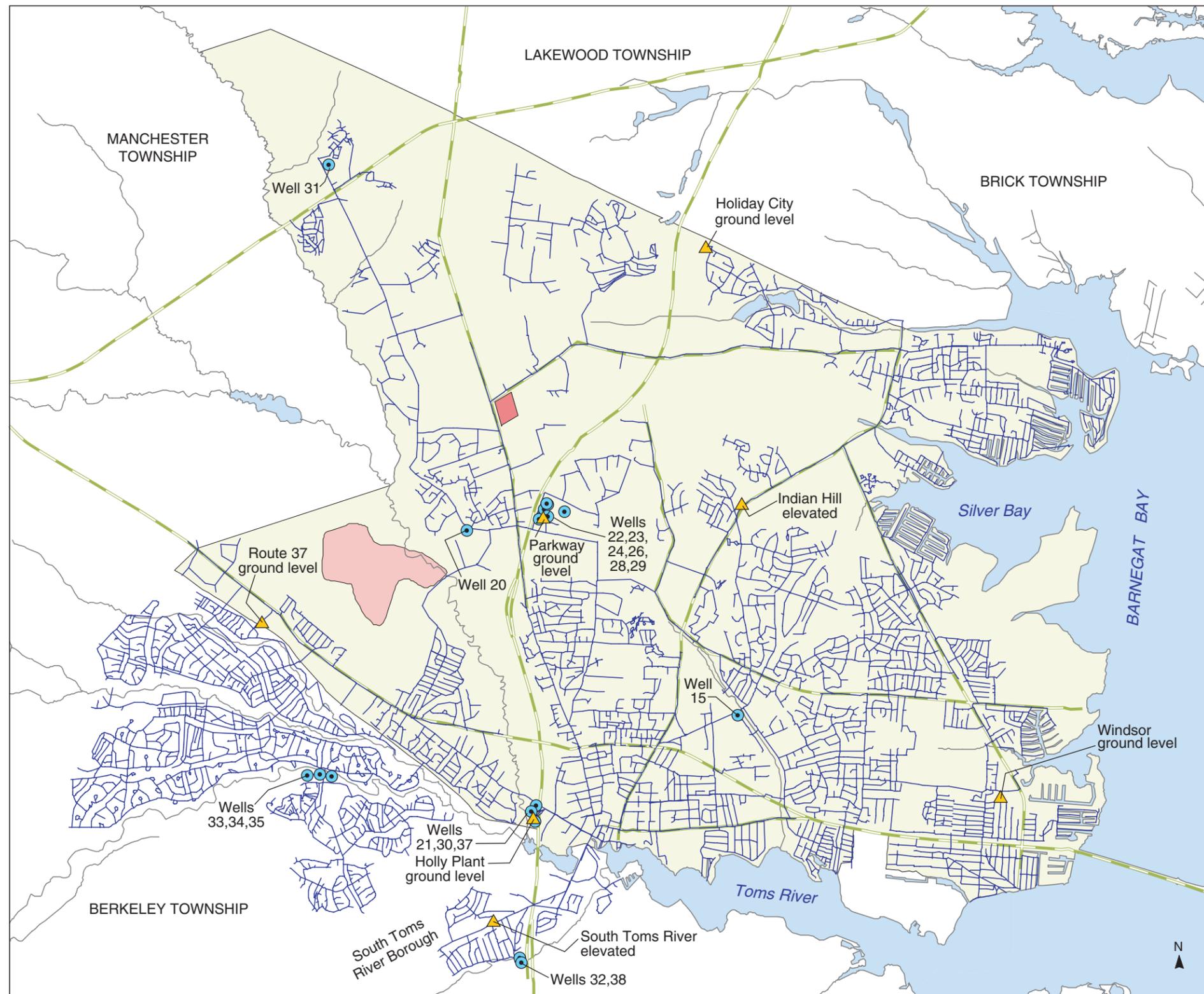
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 29. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1988
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

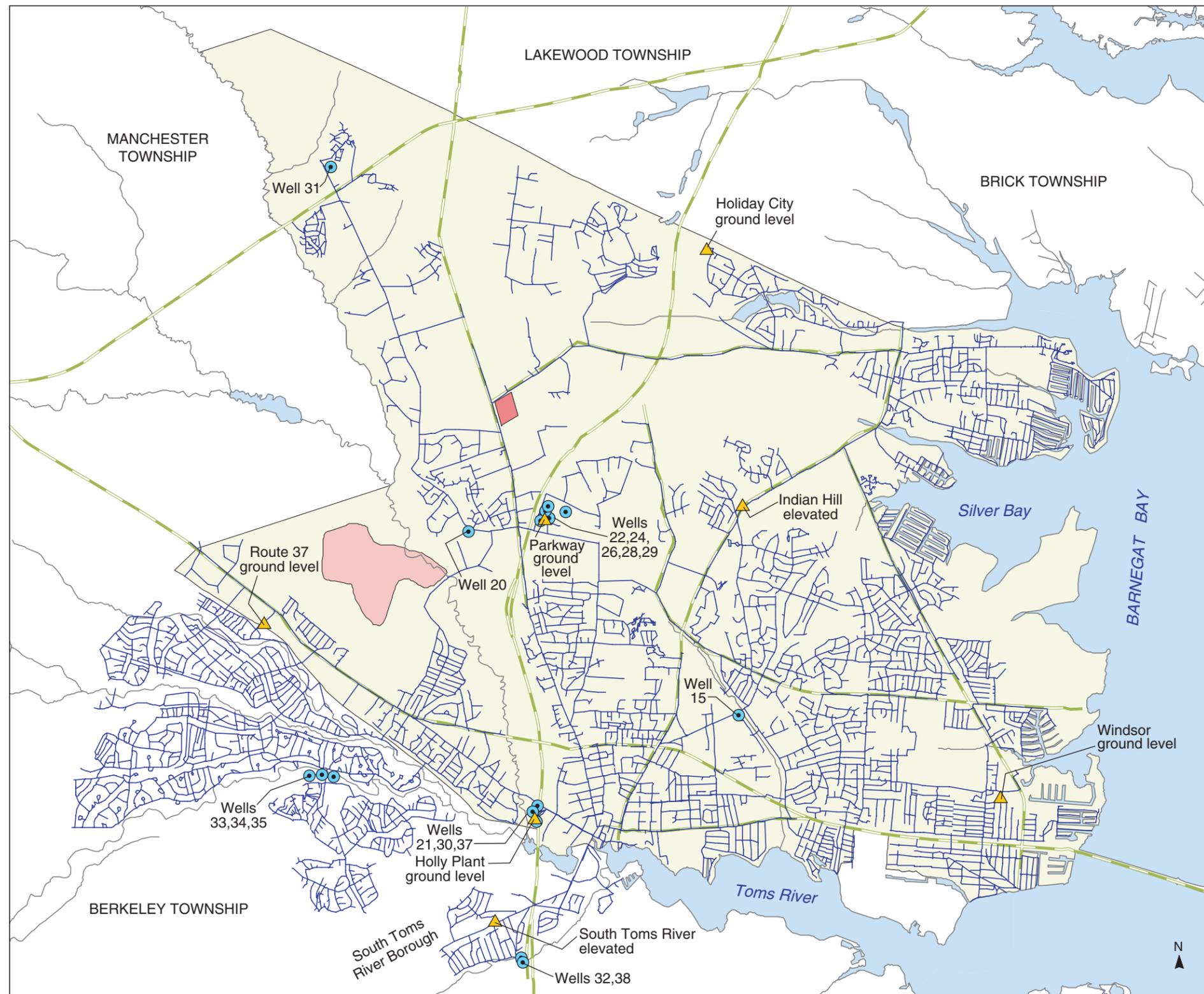
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 30. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1989
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

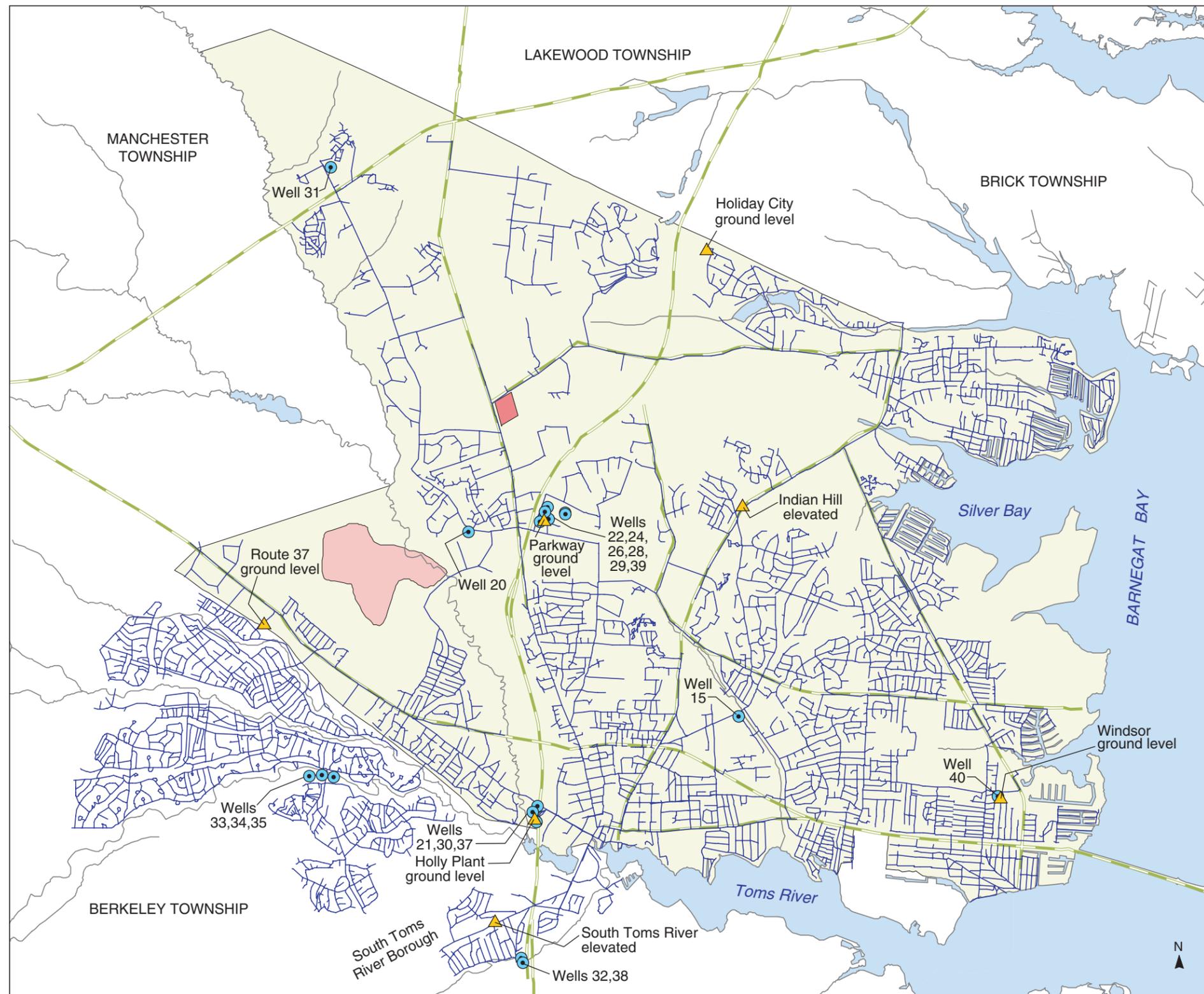
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 31. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1990
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

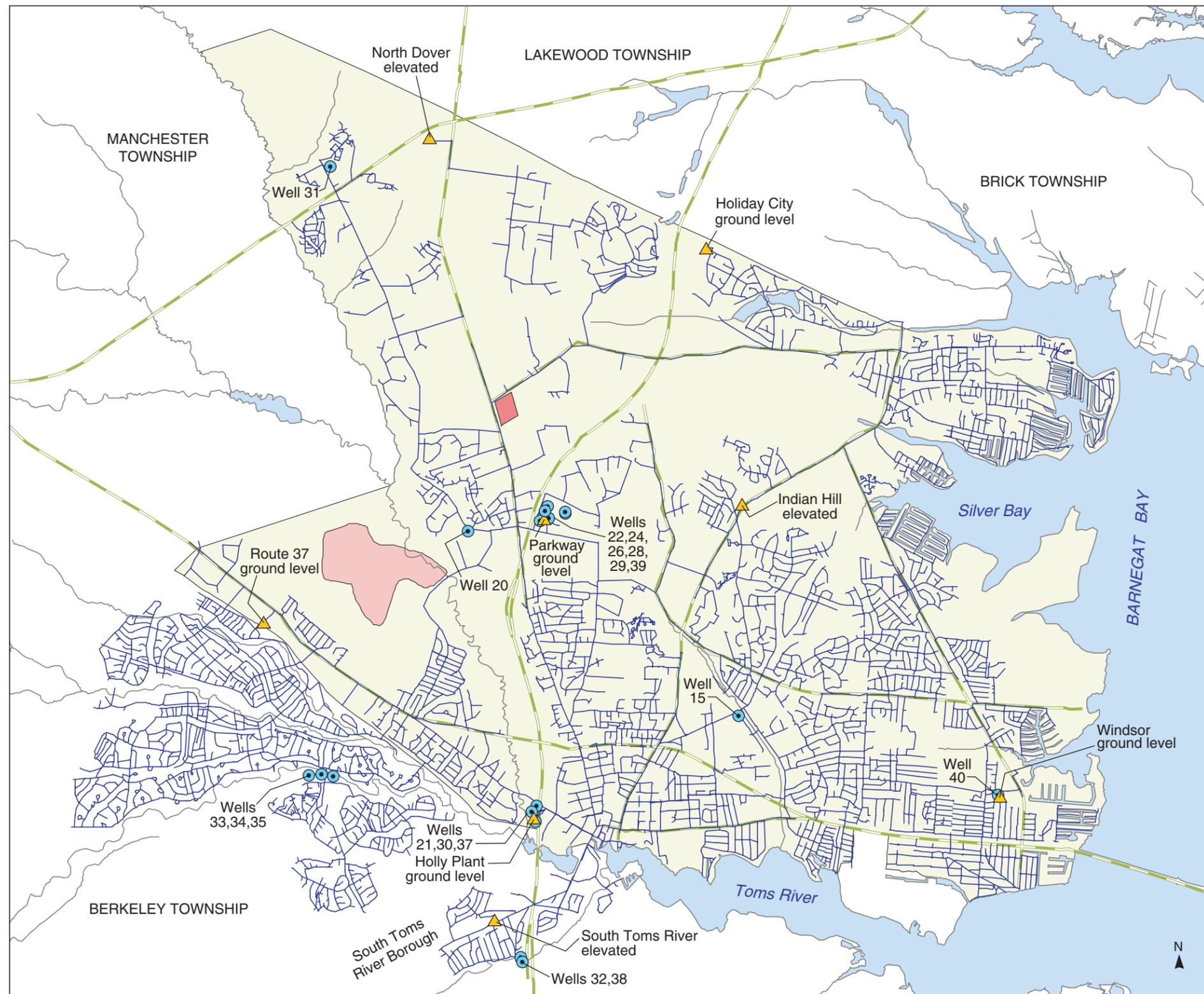
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 32. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1991
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 33. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1992
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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PLATE 34. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1993
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 35. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1994
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 36. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1995

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

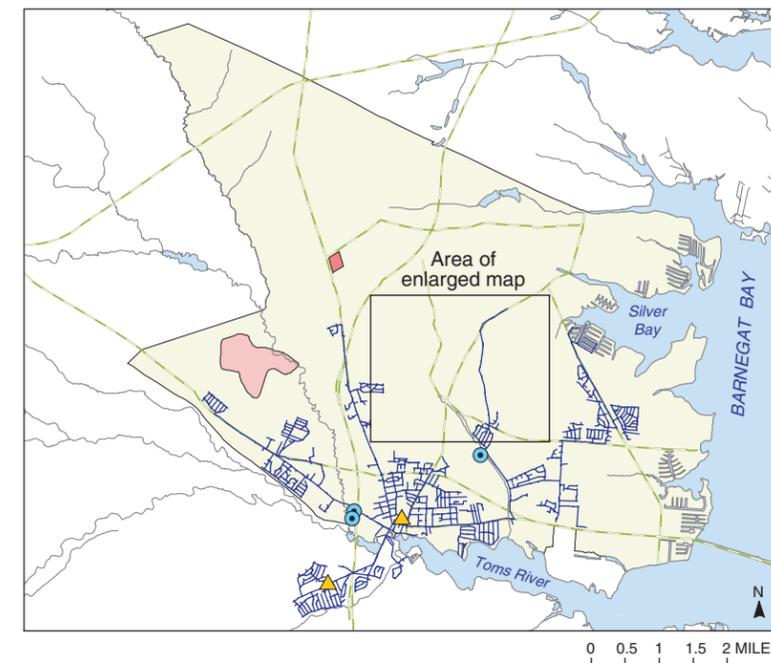
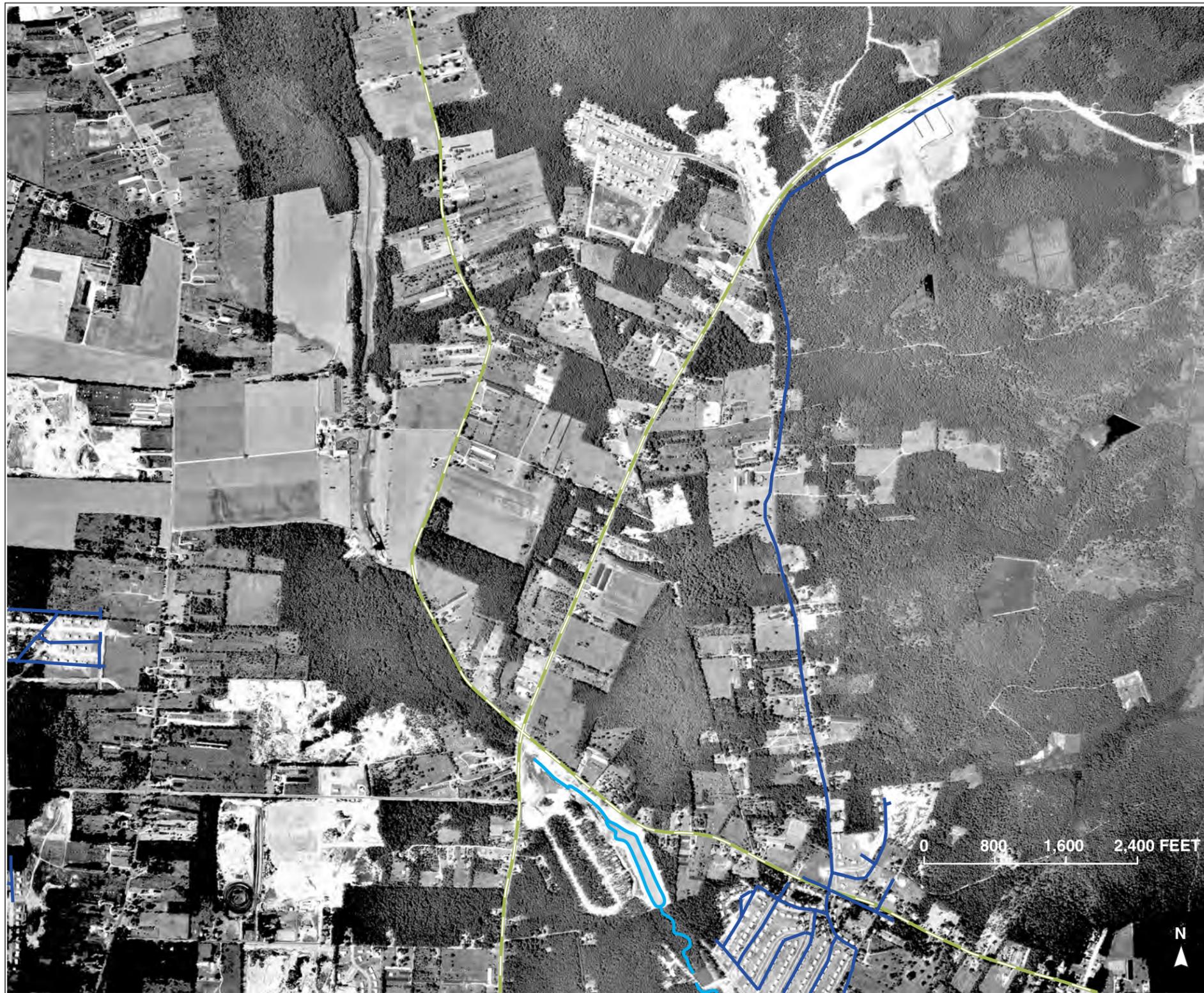
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

PLATE 37. WATER-DISTRIBUTION SYSTEM SERVING THE DOVER TOWNSHIP AREA, NEW JERSEY, 1996
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|--|
|  Reich Farm NPL Site |  Water pipeline |
|  Ciba-Geigy NPL Site |  Major road |
|  Dover Township |  Hydrography |
|  Water body |  Municipal well |
| |  Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

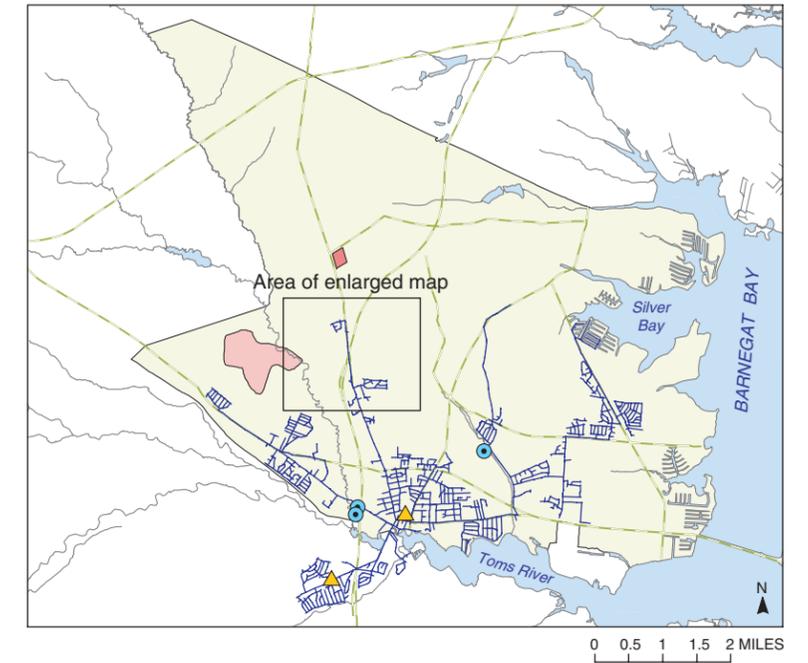


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 38. AERIAL PHOTOGRAPH CNC-2DD-44 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, CENTRAL DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1963**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|--|
|  Reich Farm NPL Site |  Water pipeline |
|  Ciba-Geigy NPL Site |  Major road |
|  Dover Township |  Hydrography |
|  Water body |  Municipal well |
| |  Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

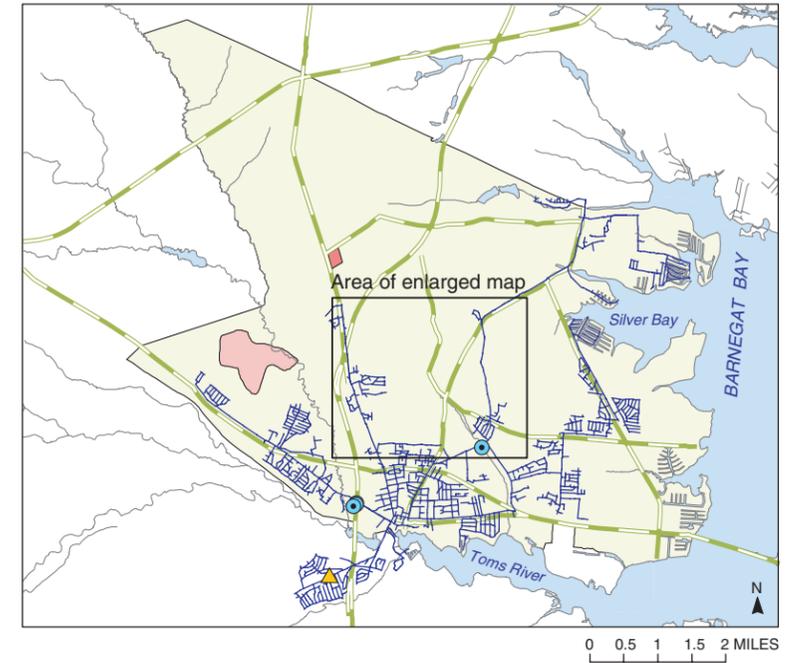
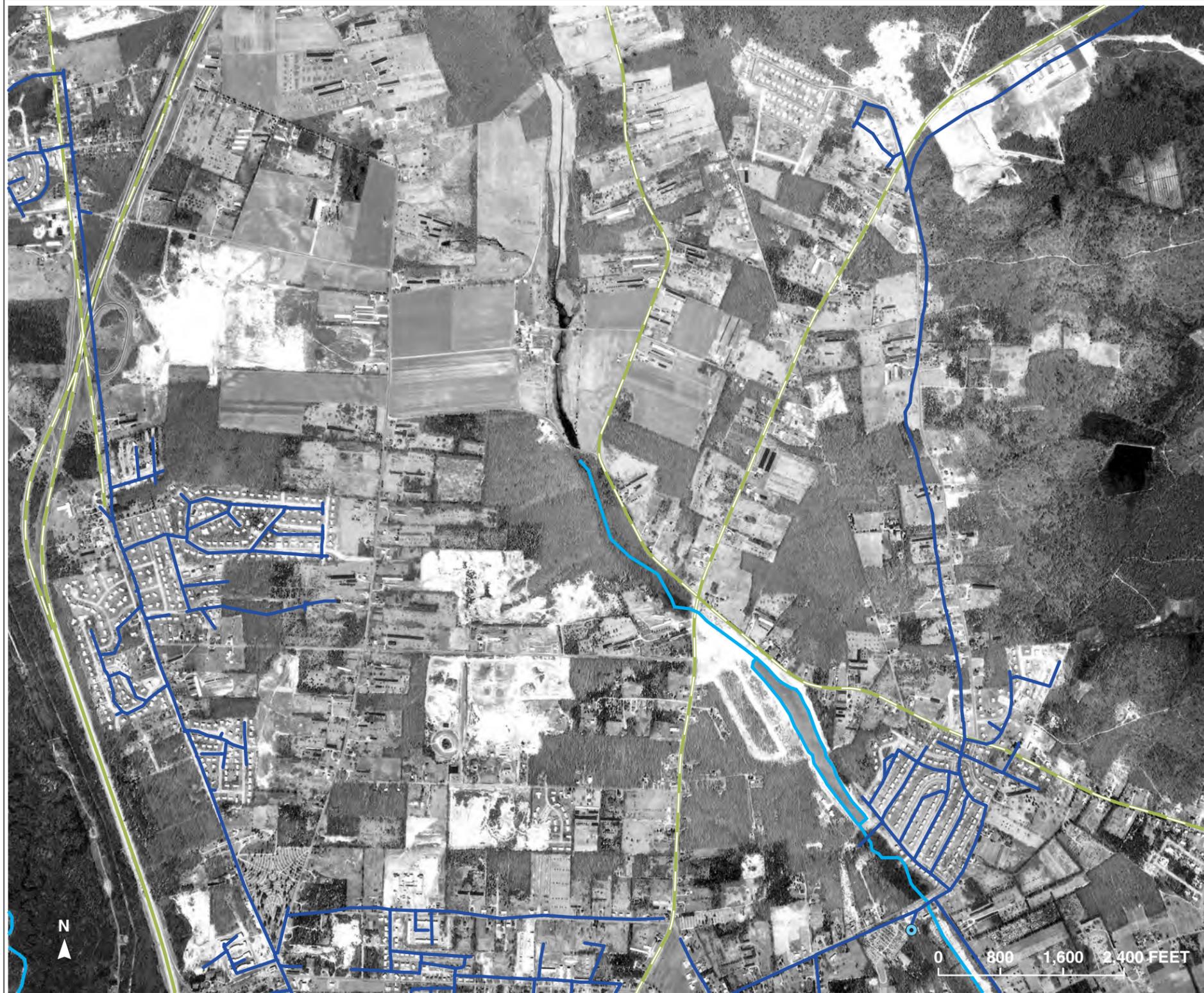


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 39. AERIAL PHOTOGRAPH CNC-1DD-266 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, WEST-CENTRAL DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1963**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|--|
|  Reich Farm NPL Site |  Water pipeline |
|  Ciba-Geigy NPL Site |  Major road |
|  Dover Township |  Hydrography |
|  Water body |  Municipal well |
| |  Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

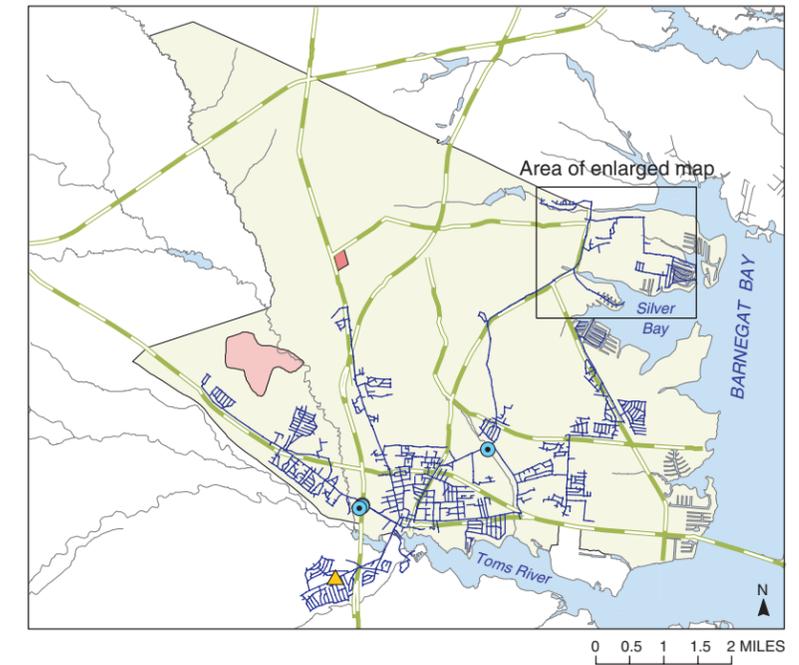


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 40. AERIAL PHOTOGRAPH 1486-9-424 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, CENTRAL DOVER TOWNSHIP AREA, NEW JERSEY, APRIL 1965**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|--|
|  Reich Farm NPL Site |  Water pipeline |
|  Ciba-Geigy NPL Site |  Major road |
|  Dover Township |  Hydrography |
|  Water body |  Municipal well |
| |  Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

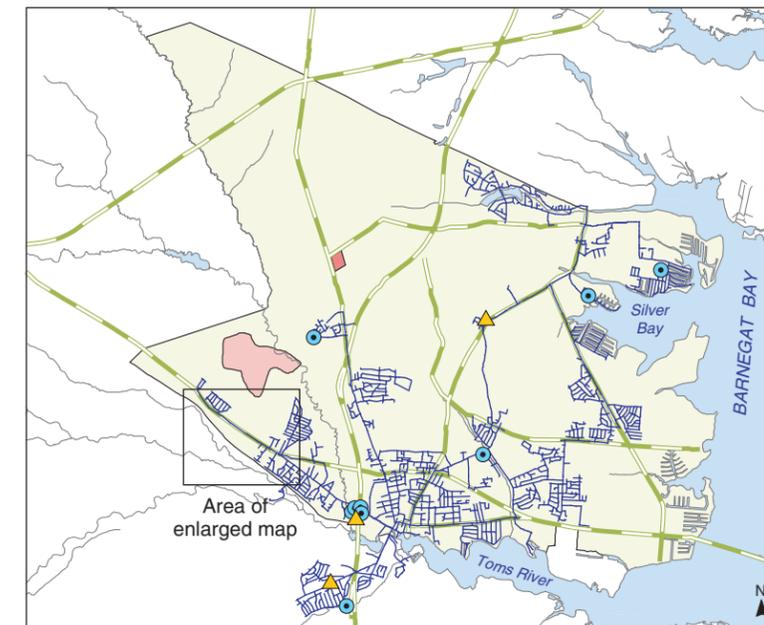


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 41. AERIAL PHOTOGRAPH 1486-10-144 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, NORTHEASTERN DOVER TOWNSHIP AREA, NEW JERSEY, APRIL 1965**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---------------------|----------------|
| Reich Farm NPL Site | Water pipeline |
| Ciba-Geigy NPL Site | Major road |
| Dover Township | Hydrography |
| Water body | Municipal well |
| | Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

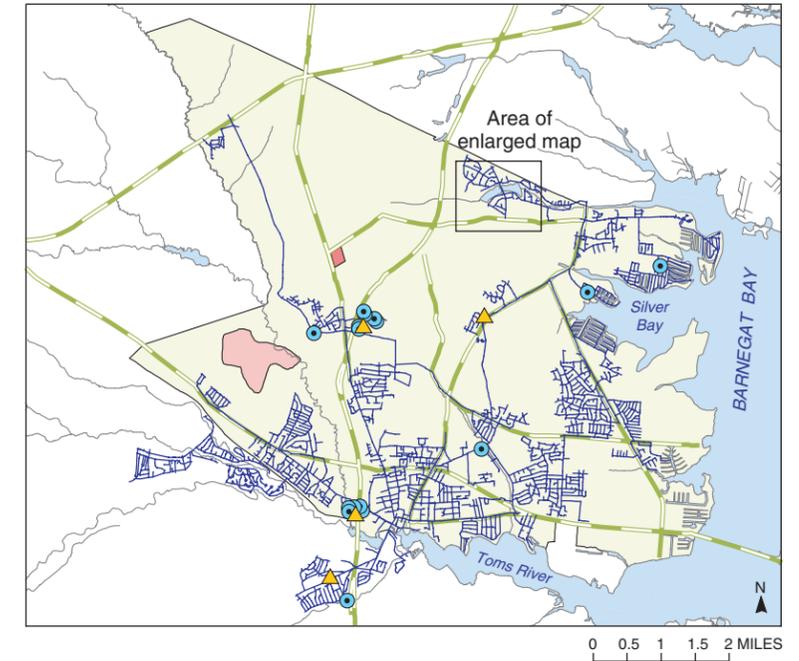


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 42. AERIAL PHOTOGRAPH CGG-253 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, SOUTHWEST DOVER TOWNSHIP AREA, NEW JERSEY, APRIL 1968**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|--|
|  Reich Farm NPL Site |  Water pipeline |
|  Ciba-Geigy NPL Site |  Major road |
|  Dover Township |  Hydrography |
|  Water body |  Municipal well |
| |  Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

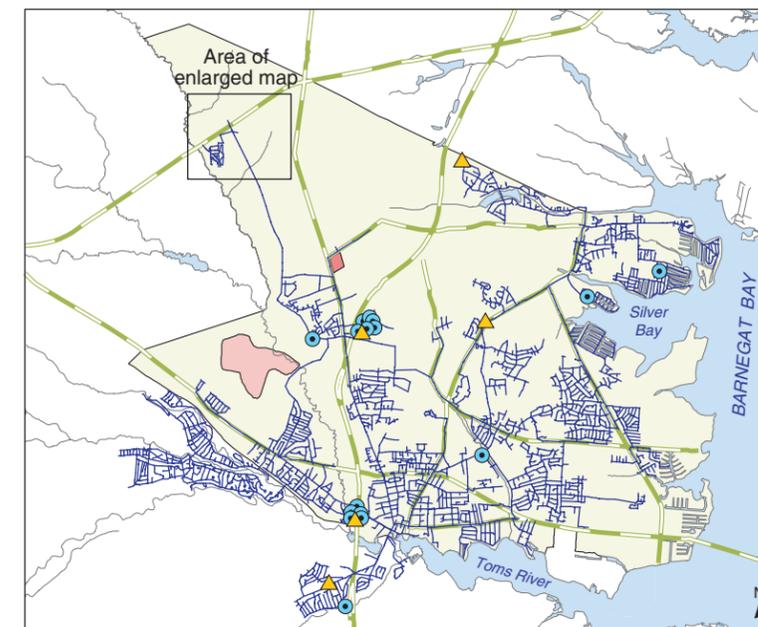


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 43. AERIAL PHOTOGRAPH DSG-63 SHOWING RESIDENCES AND BUILDINGS SERVICED BY
 THE WATER-DISTRIBUTION SYSTEM, NORTHERN DOVER TOWNSHIP AREA, NEW JERSEY, APRIL 1972**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | | | |
|---|---------------------|---|----------------|
|  | Reich Farm NPL Site |  | Water pipeline |
|  | Ciba-Geigy NPL Site |  | Major road |
|  | Dover Township |  | Hydrography |
|  | Water body |  | Municipal well |
| | |  | Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

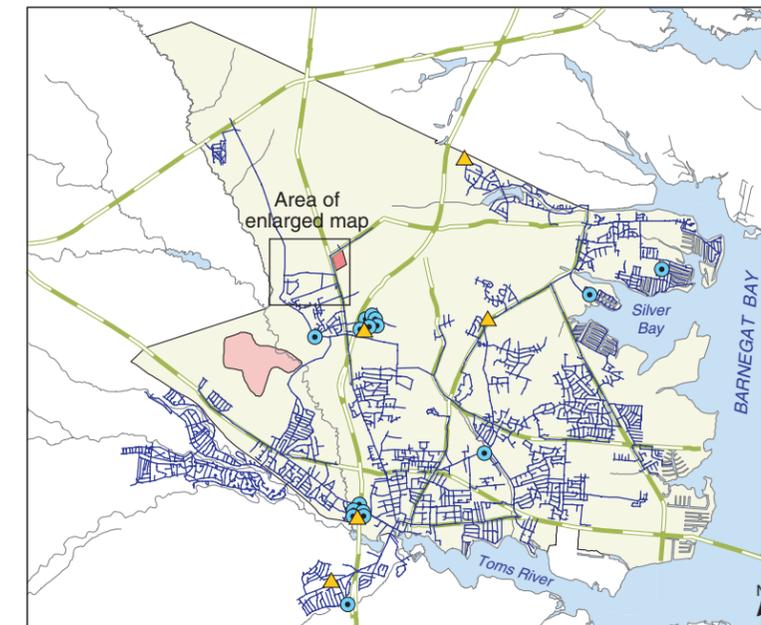


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 44. AERIAL PHOTOGRAPH 2111-18-659 SHOWING RESIDENCES AND BUILDINGS SERVICED BY THE
 WATER-DISTRIBUTION SYSTEM, NORTHWESTERN DOVER TOWNSHIP AREA, NEW JERSEY, MARCH 1976**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

- | | |
|---|---|
| Reich Farm NPL Site | Water pipeline |
| Ciba-Geigy NPL Site | Major road |
| Dover Township | Hydrography |
| Water body | Municipal well |
| | Storage tank |

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)

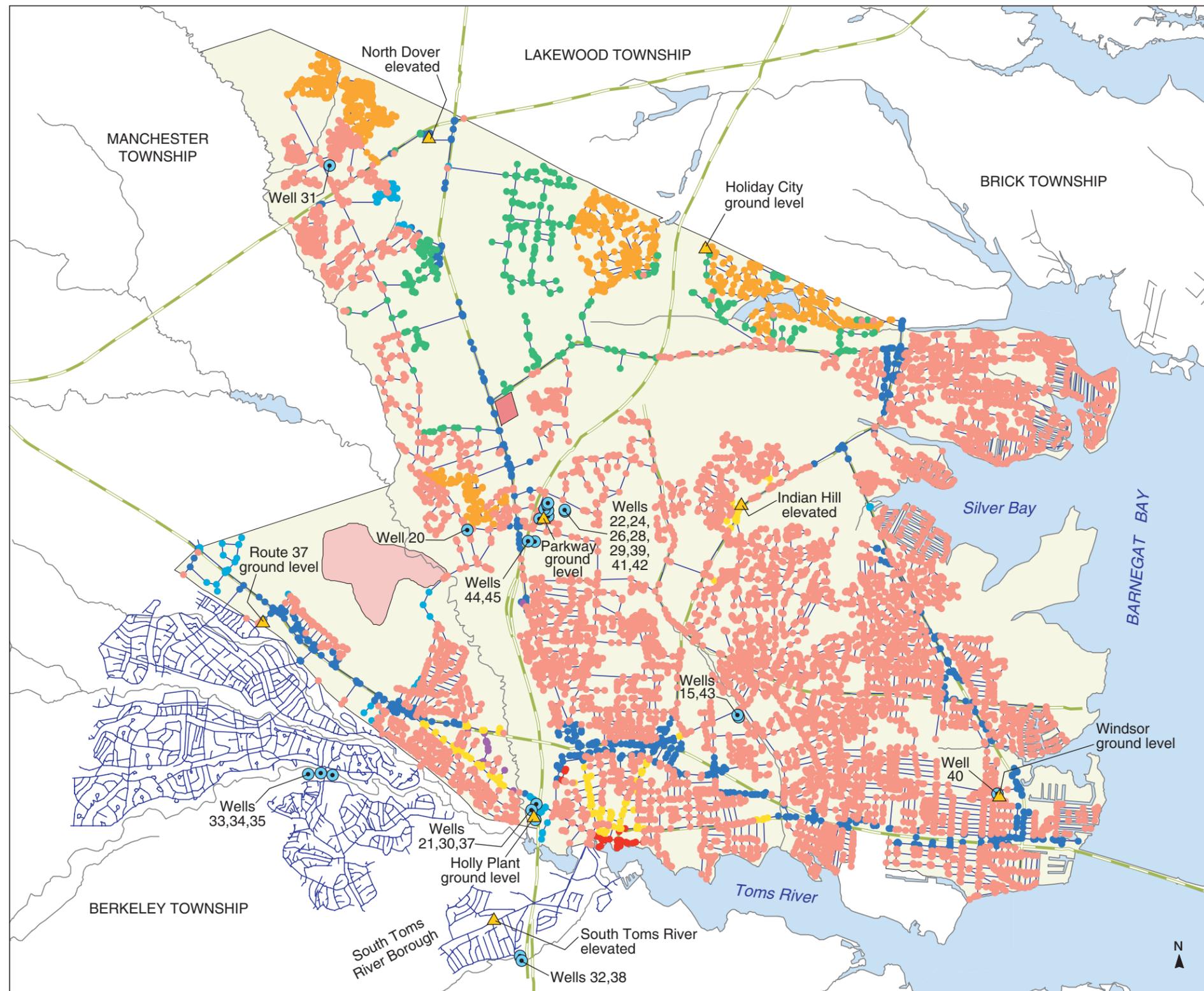


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC.
 2001. Historical reconstruction of the water-distribution system serving
 the Dover Township area, New Jersey: January 1962–December 1996.
 Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 45. AERIAL PHOTOGRAPH 2111-19-626 SHOWING RESIDENCES AND BUILDINGS SERVICED BY THE
 WATER-DISTRIBUTION SYSTEM, WESTERN DOVER TOWNSHIP AREA, NEW JERSEY, MARCH 1976**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



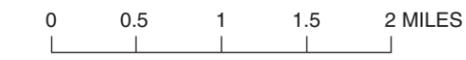
EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Land-use classification at pipeline nodes

 Central business district	 Planned retirement community
 Highway business	 Residential
 Hospital-medical service	 Rural
 Industrial	
 Office	

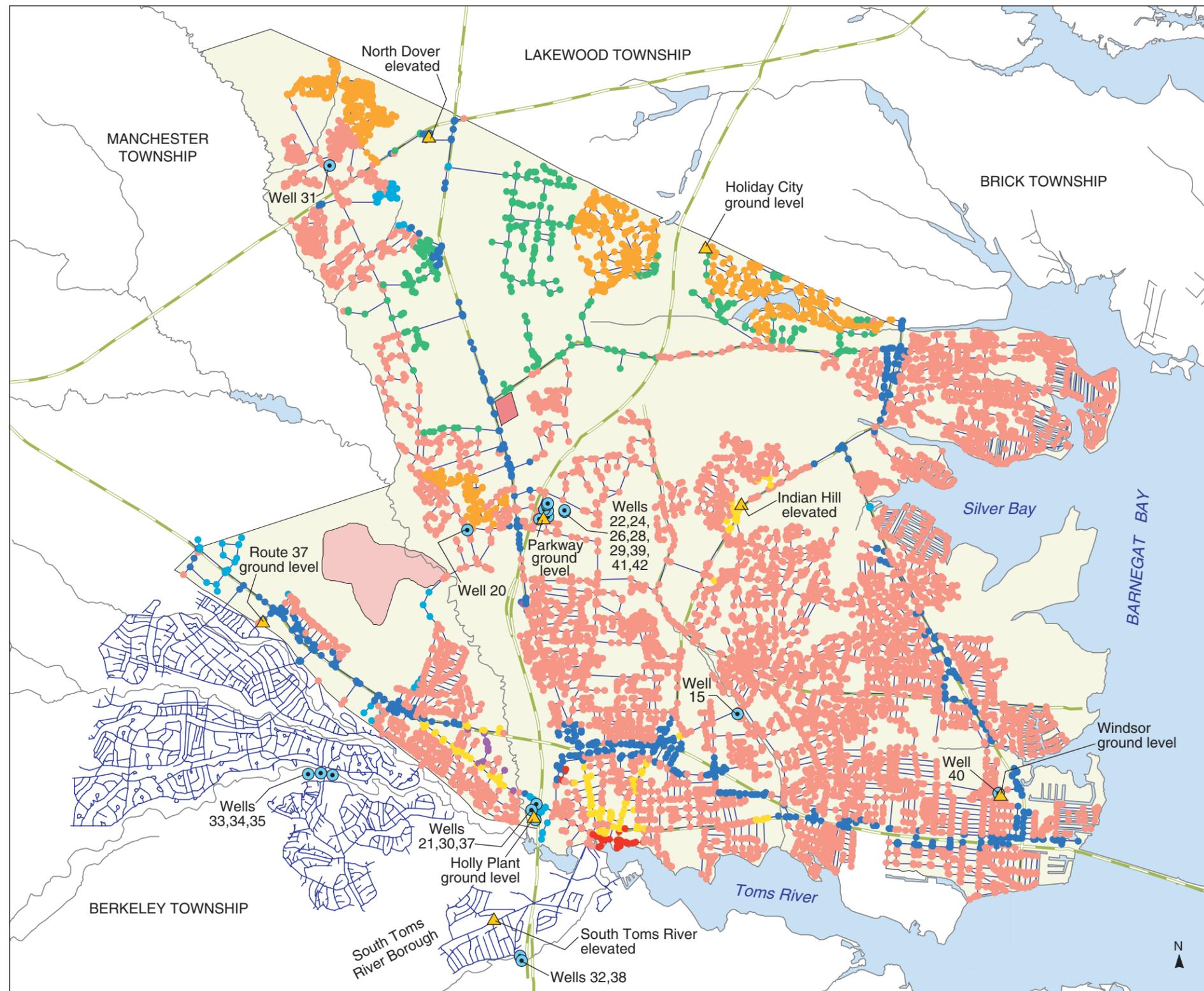
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Land-use data from 1999 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough
 (5) Only positive demand nodes assigned a land-use classification



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 46. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1998 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Land-use classification at pipeline nodes

 Central business district	 Planned retirement community
 Highway business	 Residential
 Hospital-medical service	 Rural
 Industrial	
 Office	

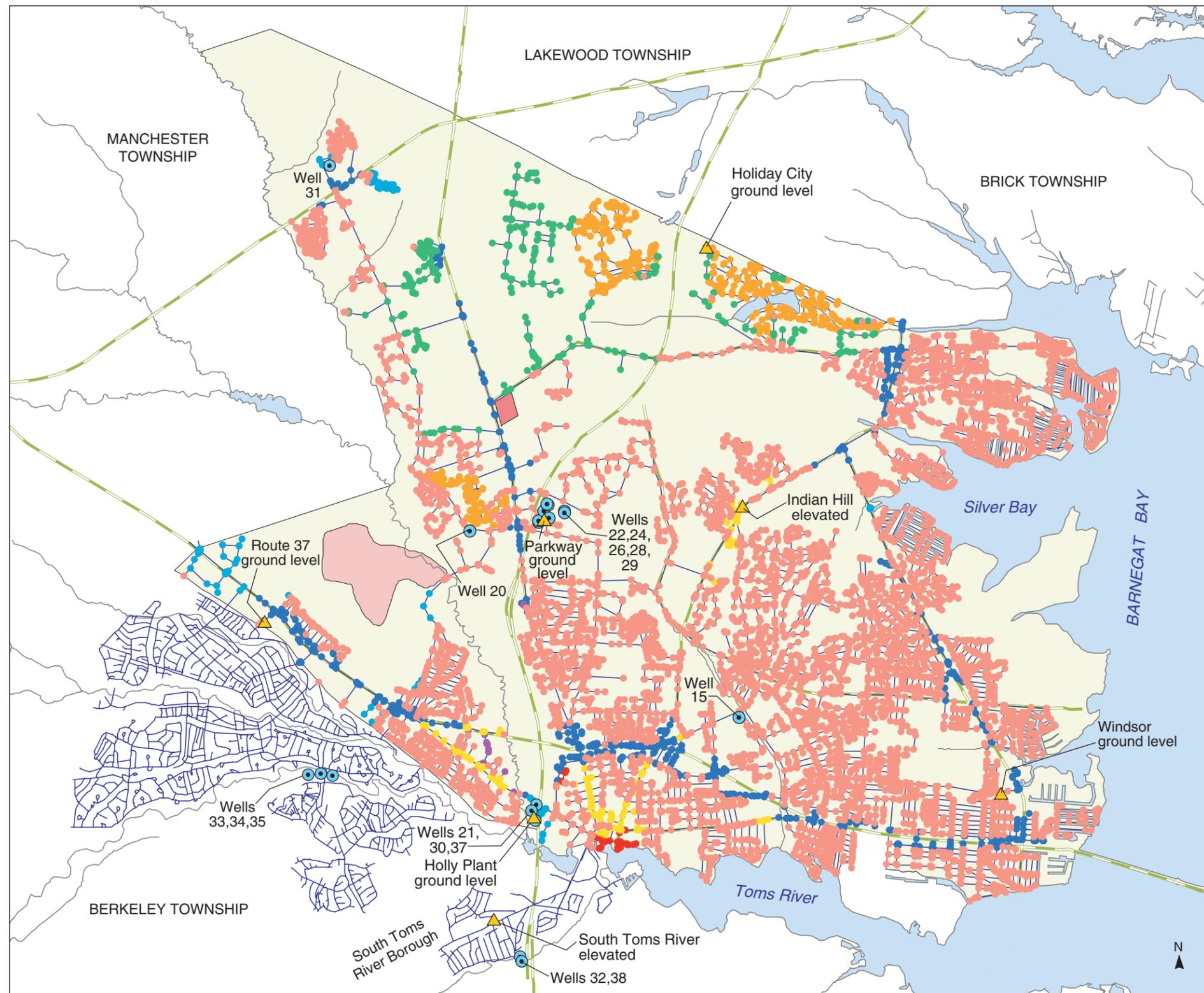
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Land-use data from 1999 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough
 (5) Only positive demand nodes assigned a land-use classification



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 47. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1996 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Land-use classification at pipeline nodes

 Central business district	 Planned retirement community
 Highway business	 Residential
 Hospital-medical service	 Rural
 Industrial	
 Office	

- Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Land-use data from 1990 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough
 (5) Only positive demand nodes assigned a land-use classification

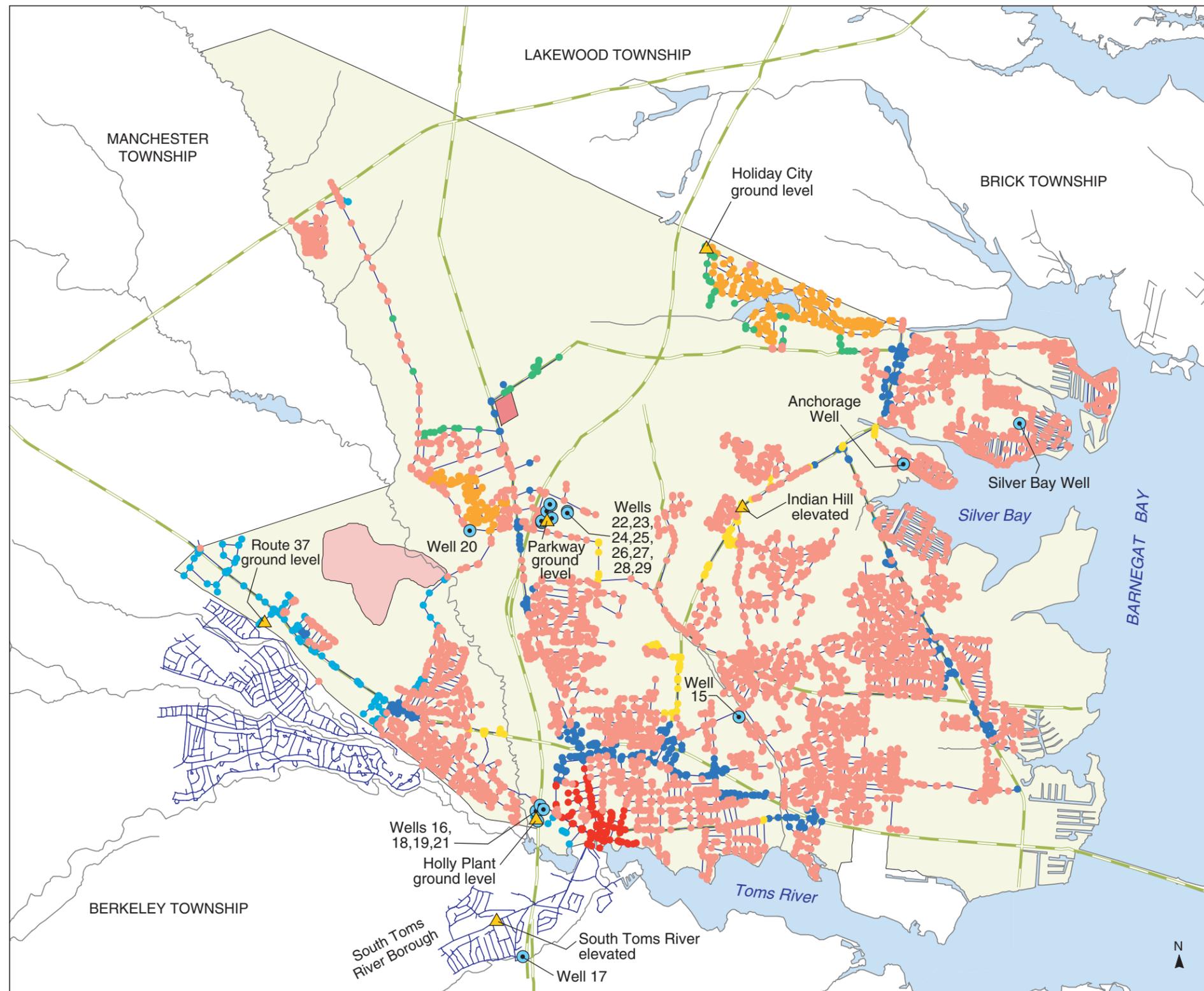


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 48. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1990 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Land-use classification at pipeline nodes

 Central business district	 Planned retirement community
 Highway business	 Residential
 Hospital-medical service	 Rural
 Industrial	
 Office	

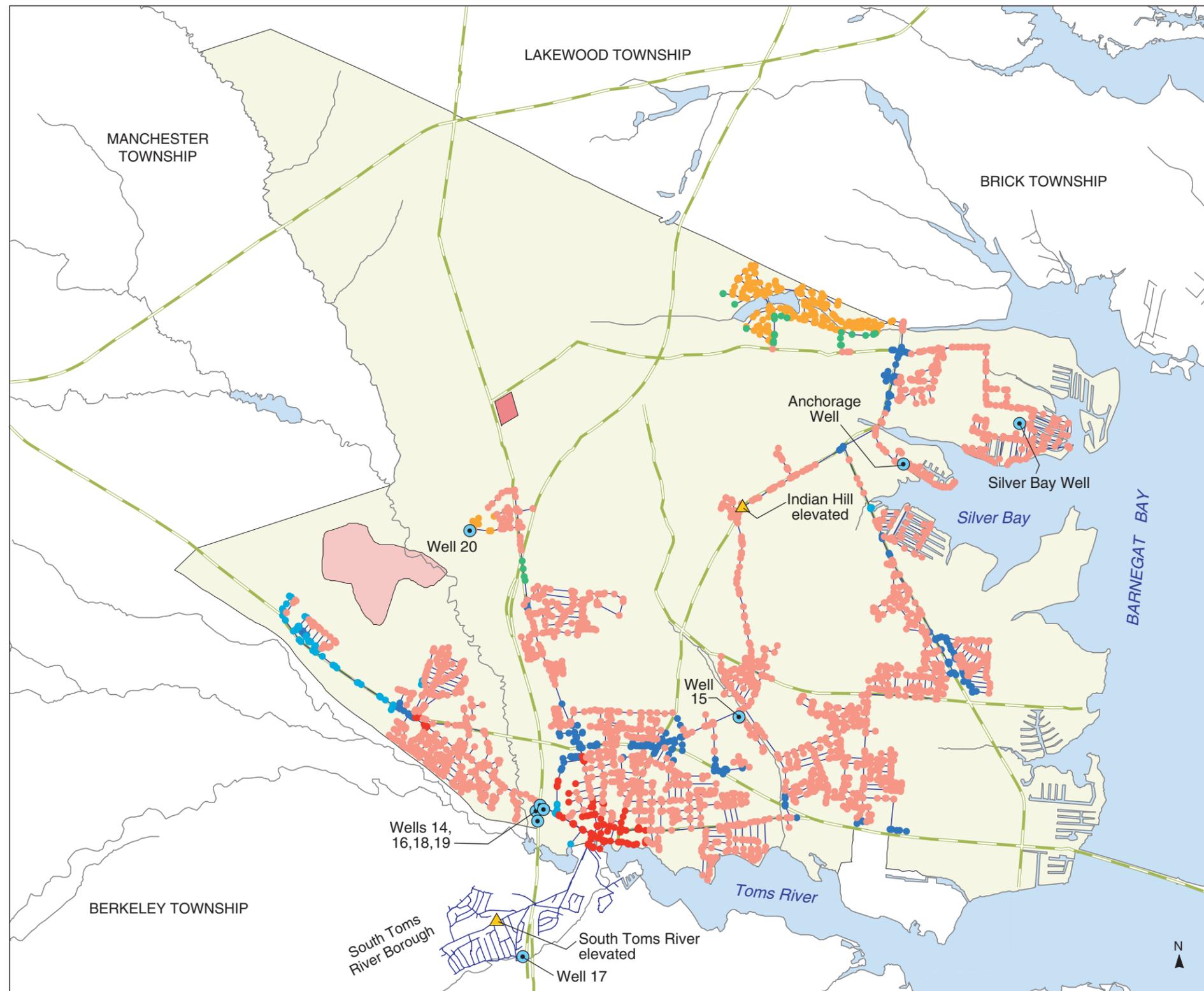
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Land-use data from 1978 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough
 (5) Only positive demand nodes assigned a land-use classification



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 49. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1978 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

Land-use classification at pipeline nodes

 Central business district	 Planned retirement community
 Highway business	 Residential
 Hospital-medical service	 Rural
 Industrial	
 Office	

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Land-use data from 1967 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough
 (5) Only positive demand nodes assigned a land-use classification



**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 50. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1967 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams