

**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Continuation Sheet**

Section number _____ Page _____

SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: 02001508 Date Listed: 12/12/2002

Property Name: Palatine Road Bridge

County: Hunterdon State: NJ

Multiple Name

This property is listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.

Patrick Andrews
Signature of the Keeper

12/12/2002
Date of Action

Amended Items in Nomination:

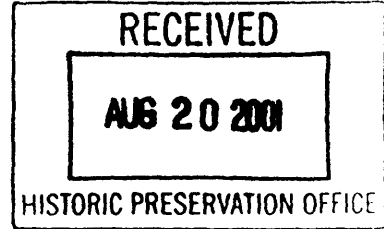
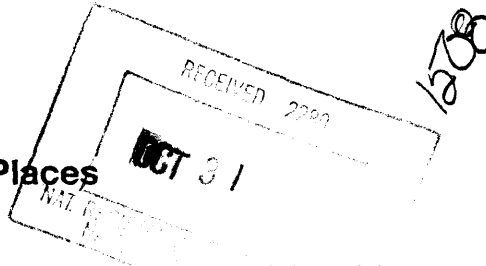
This SLR is issued to make two technical corrections to the form. Section 3 of the form was not fully completed. The NJ SHPO has confirmed that the property is being nominated at the Local level of significance. The form did not include a UTM point; the SHPO informed us that the UTM is: Zone 18 521401 4505213. The form is officially amended to add this information

DISTRIBUTION:

- National Register property file**
- Nominating Authority (without nomination attachment)**

United States Department of the Interior
National Park Service

National Register of Historic Places
Registration Form



This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name Palatine Road Bridge over a minor tributary of the Lamington River

other names/site number Hunterdon County Bridge #T-42

2. Location

street & number Palatine Road at intersection with Homestead and Cold Spring Roads. not for publication

city or town Tewksbury Township vicinity

state New Jersey code NJ county Hunterdon code 019 zip code 07830

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

Signature of certifying official/Title

Date

State of Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of certifying official/Title

Date

State of Federal agency and bureau

4. National Park Service Certification

I hereby certify that the property is:

- entered in the National Register. See continuation sheet.
- determined eligible for the National Register See continuation sheet.
- determined not eligible for the National Register.
- removed from the National Register.
- other, (explain:)

Signature of the Keeper

Date of Action

Patricia Andrews

12/12/2002

Palatine Road Bridge
Name of Property

Hunterdon County, NJ
County and State

5. Classification

Ownership of Property
(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property
(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property
(Do not include previously listed resources in the count.)

Contributing	Noncontributing	
_____	_____	buildings
_____	_____	sites
<u>1</u>	<u>0</u>	structures
_____	_____	objects
<u>1</u>	<u>0</u>	Total

Name of related multiple property listing
(Enter "N/A" if property is not part of a multiple property listing.)

Historic Bridges of Tewksbury Township

Number of contributing resources previously listed in the National Register

0

6. Function or Use

Historic Functions
(Enter categories from instructions)

Transportation: road related (vehicular)

Current Functions
(Enter categories from instructions)

Transportation: road-related (vehicular)

7. Description

Architectural Classification
(Enter categories from instructions)

Other: stone arch bridge

Materials
(Enter categories from instructions)

foundation Stone: granite, gneiss
walls N/A

roof N/A

other Stone: granite, gneiss

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

Palatine Road Bridge
Name of Property

Hunterdon County, NJ
County and State

8. Statement of Significance

Applicable National Register Criteria
(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B Property is associated with the lives of persons significant in our past.
- C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations
(Mark "x" in all the boxes that apply.)

Property is:

- A owned by a religious institution or used for religious purposes.
- B removed from its original location.
- C a birthplace or grave.
- D a cemetery.
- E a reconstructed building, object, or structure.
- F a commemorative property.
- G less than 50 years of age or achieved significance within the past 50 years.

Narrative Statement of Significance
(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography
(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey # _____
- recorded by Historic American Engineering Record # _____

Areas of Significance
(Enter categories from instructions)

Transportation

Engineering

Period of Significance

1900 - 1910

Significant Dates

1900

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

Schuyler, George.

Primary location of additional data:

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other

Name of repository:

County Engineer

Palatine Road Bridge
Name of Property

Hunterdon County, NJ
County and State

0. Geographical Data

Acres of Property Less than one acre

UTM References

(Place additional UTM references on a continuation sheet.)

Zone	Easting	Northing

3	Zone	Easting	Northing
4			

See continuation sheet

Verbal Boundary Description

(Describe the boundaries of the property on a continuation sheet.)

Boundary Justification

(Explain why the boundaries were selected on a continuation sheet.)

1. Form Prepared By

Name/Title Stacy E. Spies, Architectural historian

Organization ARCH2, Inc.

Date May, 2001

Street & number 395 Main Street Suite 8

Telephone 732-906-8203

City or town Metuchen

State NJ

Zip code 08840

Additional Documentation

(Submit the following items with the completed form:

Continuation Sheets

Maps

A USGS map (7.5 or 15 minute series) indicating the property's location.

A Sketch map for historic districts and properties having large acreage or numerous resources.

Photographs

Representative black and white photographs of the property.

Additional items

(Check with the SHPO or FPO for any additional items)

Property Owner

(Complete this item at the request of SHPO or FPO.)

Name Hunterdon County, Roads, Bridges and Engineering Department

Street & number Rt. 12 County Complex

Telephone (908) 788-1102

City or town Flemington

State NJ

Zip code 08822

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reduction Projects (1024-0018) Washington, DC 20503.

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 7 Page 1

Palatine Road Bridge over a minor tributary of the Lamington River

Description

The Palatine Road Bridge, identified by the County as "T-42", is a single-arched, humpbacked, random rubble bridge with a span length of 22 feet and width of 14 feet 8 inches. The skew bridge carries a single-lane of an unpaved rural road over a minor tributary of the Lamington River at the road's intersection with Homestead Road and Cold Spring Road (Photograph #1). The bridge, constructed in 1900, is located in a wooded streambank area amid open agricultural fields (Photograph #2). A single modern dwelling is located southeast of the crossing. The bridge, which is technically a culvert according to Federal Highway Administration definitions of spans less than 20 feet in length, continues to function as a vehicular bridge with only minor alterations to its original design.

This segmental arch bridge is constructed of irregularly-sized rectangular stones joined by mortar. The uncoursed rubble granite and gneiss used to construct the bridge was likely quarried from the streambed or from the immediate surrounding area. The voussoirs and capstones were likely roughly dressed on site. The bridge span rises at its center, a common feature in stone arch bridges used to provide maximum stream clearance (Photograph #3). The skewed arch is 8 feet high and carries a 10-foot wide roadway. The bridge's northeast and northwest wingwalls angle out from the main body of the structure. A short, straight wingwall is located at the southeast end of the structure (Photograph #4). There is no wingwall at the southwest corner. The large voussoirs are not radially aligned and the resulting arch ring is indistinct, with intrados stones that randomly project either horizontally or vertically (Photograph #6). Flat capstones top the parapet walls.

A rough construction plaque of incised stone is located at the center on the roadside elevation of the east parapet (Photograph #5). The plaque was laid flush with the wall plane and reads, "D. C. Farley – A. Cramer; J. V. F. Schom – G.A. Farley; Builder. Geo. Schuyler; 1900." This date is supported by county engineer's records that George Schuyler constructed the bridge in 1900. The names D.C. Farley, A. Cramer, and G.A. Farley match names listed on a Notice to Bridge Builders dated July 26, 1900 signed by members of the Bridge Committee of the Board of Chosen Freeholders of Hunterdon County. It is interesting to note that this Notice, which is for a different bridge, also calls for a name plate containing the names of all the Committee and date of erection (Hunterdon County Bridge Contracts file).

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 7 Page 2

While the bridge has been altered with the addition of concrete toe walls within the arch and along the northwest wingwall to correct undermining (Photograph #6), and has undergone patching and repointing, its designed form has not been altered (e.g. the arch has not been flattened). The bridge's stonework, arch, parapets and wing walls are intact. The bridge retains a high level of integrity overall, and specifically retains its integrity of location, design, setting, materials, workmanship, feeling and association.

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 8 Page 1

Palatine Road Bridge over a minor tributary of the Lamington River

Statement of Significance

The Palatine Road Bridge is significant for listing on the National Register of Historic Places under Criterion C because it embodies the distinctive characteristics of a type, period, and method of construction. Hunterdon County, New Jersey, with more than 100 surviving stone arch bridges, contains the largest concentration of stone bridges in North America (Boothby, et al.: ii). The Palatine Road Bridge is also an excellent representative example of the local "Northern township style" of stone arch bridges as defined by Boothby, et al (Boothby, et al.: 22).

Palatine Road was laid out alongside a tributary of the Cold Brook before 1850 to connect Fox Hill Road, the original alignment of what is now Route 517, and Homestead Road. The modern network of smaller roads in Hunterdon County, including those in Tewksbury, was largely in place by the mid-nineteenth century. No documentary evidence has been located that can verify with certainty the road's date of construction. Freeholders' minutes of the period are inconclusive and no road returns exist for this route. Cartographic evidence, however, does provide general information about the construction and alignment of Palatine Road. Palatine Road was constructed before 1850 and connected Fox Hill Road (constructed in 1756) (Hamilton: 52) to Homestead Road, which it intersected immediately south of Flint Hill Road. Its construction provided a direct route between Fox Hill Road and the eastern terminus of Cold Spring Road and Homestead Road. A T-shaped intersection of Homestead Road and Cold Spring Road was in place by 1873 and at that time, Palatine Road still connected to Homestead Road south of Flint Hill Road. It can be surmised that Palatine Road was re-routed to its present-day eastern terminus ca. 1900 and the bridge constructed in 1900. This date is supported by the construction plaque as well as by map documentation. The 1902 Pugh and Downing map depicts the road alignment and bridge crossing in its present-day location. A discrepancy does exist, however, in that a 1905 map shows the road in its earlier alignment. This discrepancy more likely reflects a time lag in field survey to cartographic depiction than an error on the part of the 1902 map. In all likelihood, the realignment occurred after the cartographer's field survey and before the map was published. In any case, the discrepancy marks that changes were occurring at the intersection of Cold Spring Road and Homestead Road at the turn of the twentieth century. Based on the documented construction date and the cartographic evidence, the bridge appears to be the first bridge constructed on this route at this water crossing.

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 8 Page 2

In addition to its role in the regional transportation system, the Palatine Road Bridge is more importantly a representative example of a local bridge type. As one of approximately 100 stone arch bridges in the county, the bridge contains many of the features that are characteristic of stone arch bridge construction in Hunterdon County. The bridge typifies the "Northern township style" of stone arch bridges identified as common to Tewksbury, Lebanon, Alexandria, Holland and parts of Union, Readington, and Clinton Townships. The largest number of this type in the county is clustered in Tewksbury Township (Boothby, et al.: 22). This type has been described as being,

characterized by extraordinarily rough construction, being usually built of granite fieldstone, very roughly dressed. Voussoirs are seldom radially aligned and never cut on the intrados or extrados. The arch ring is indistinct, and the barrel is built of very rough, sharp pieces of stone laid on the centering and slushed with mortar backing. Bridges are built as close to the ground as the waterway permits, and approach roads are also kept on a low level, resulting in a characteristic humpback... Most of these bridges... are slightly skewed with respect to the road alignment (Boothby, et al.: 22).

These Hunterdon County bridges "universally have cut stones on the arch faces only, and the barrels are filled with elongated random rubble stones, roughly parallel to the abutments, and filled with loose mortar apparently placed after all the stones are in place on the centering [arch]" [sic] (Boothby, et al.: 33). The structures' exterior walls were laid first. In Tewksbury these walls were typically constructed of uncut stone except for the voussoirs, which were roughly dressed. In order to form the arch, a wood plank framework in a cylinder shape was constructed. Stone was laid on top of the framework to form the arch and mortar was laid between the stones. Rubble stone slushed with mortar was used to fill in the remainder of the bridge structure. The framework was removed once the mortar was set (Boothby, et al.: 33-34). In both design and method of construction, the Palatine Road Bridge is representative of stone arch bridge construction in northern Hunterdon County and specifically Tewksbury Township during the second half of the nineteenth century and the first decade of the twentieth century.

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 9 Page 1

Palatine Road Bridge over a minor tributary of the Lamington River

Bibliography

A.G. Lichtenstein & Associates, Inc. *New Jersey Historic Bridge Survey*. 1992.

A.G. Lichtenstein & Associates, Inc. *Stone Arch Bridge Inventory, Phase I, Hunterdon County, New Jersey*. June, 1995.

Boothby, Thomas E., et al. *Stone Arch Bridge Inventory, Phase II, Hunterdon County, New Jersey*. The Pennsylvania State University, November 12, 1998.

Bridge Records, Hunterdon County Engineers' Office.

Hamilton, Jim, ed. *Historic Notes on Fairmount, New Jersey*. Bound Brook, NJ: 1982.
(reprint of work by Freeman Leigh, originally published in 1928)

Maps and Atlases

Beers, F. W. *County Atlas of Hunterdon, New Jersey*. New York: F.W. Beers & Co., 1873.

Cornell, Samuel C. *Map of Hunterdon County, New Jersey*. Philadelphia: S.C. Cornell and Lloyd Vanderveer, 1851.

D.J. Lake, S.N. Beers, and others. *Map of the Vicinity of Philadelphia and Trenton*. Philadelphia: C.K. Stone and A. Pomeroy, 1860.

Pugh and Downing, *Map of Hunterdon County, New Jersey*. 1902.

Survey Map Co. *Map of Hunterdon County, New Jersey*. New York: Survey Map Co., 1905.

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number 10 Page 1

VERBAL BOUNDARY DESCRIPTION

The property being nominated includes the road right-of-way of Palatine Road from a distance of ten feet beyond the southwest end of the bridge to the edge of the road right-of-way for Cold Spring Road, and also extends five feet to the northwest and southeast of the bridge.

BOUNDARY JUSTIFICATION

The nominated property includes the bridge and approach roads.

National Register of Historic Places Continuation Sheet

Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number Photos Page 1

PHOTOGRAPHS Palatine Road Bridge over a minor tributary of the Lamington River

For all photographs:

Property Name: Palatine Road Bridge

Property Location: Palatine Road
Tewksbury Township,
Hunterdon County, New Jersey

Location of
Original negatives: ARCH², Inc.
395 Main Street Suite 8
Metuchen, New Jersey 08840

Photographer: Stacy E. Spies (Photographs #1 - #5)
Peter Materna (Photograph #6)

Date: May, 2000 (Photographs #1 - #5)
December 2000 (Photograph #6)

Photograph #1 of 6:

View: Through view looking northeast toward Homestead Road. The terminus of Cold Spring Road is visible at left.

Photograph #2 of 6:

View: Through view looking southwest along Palatine Road.

Photograph #3 of 6:

View: Looking northwest of the east side of the bridge.

Photograph #4 of 6:

View: Looking south of west side of bridge showing wingwall.

Photograph #5 of 6:

View: Looking southeast of bridge plaque.

United States Department of the Interior
National Park Service

**National Register of Historic Places
Continuation Sheet**

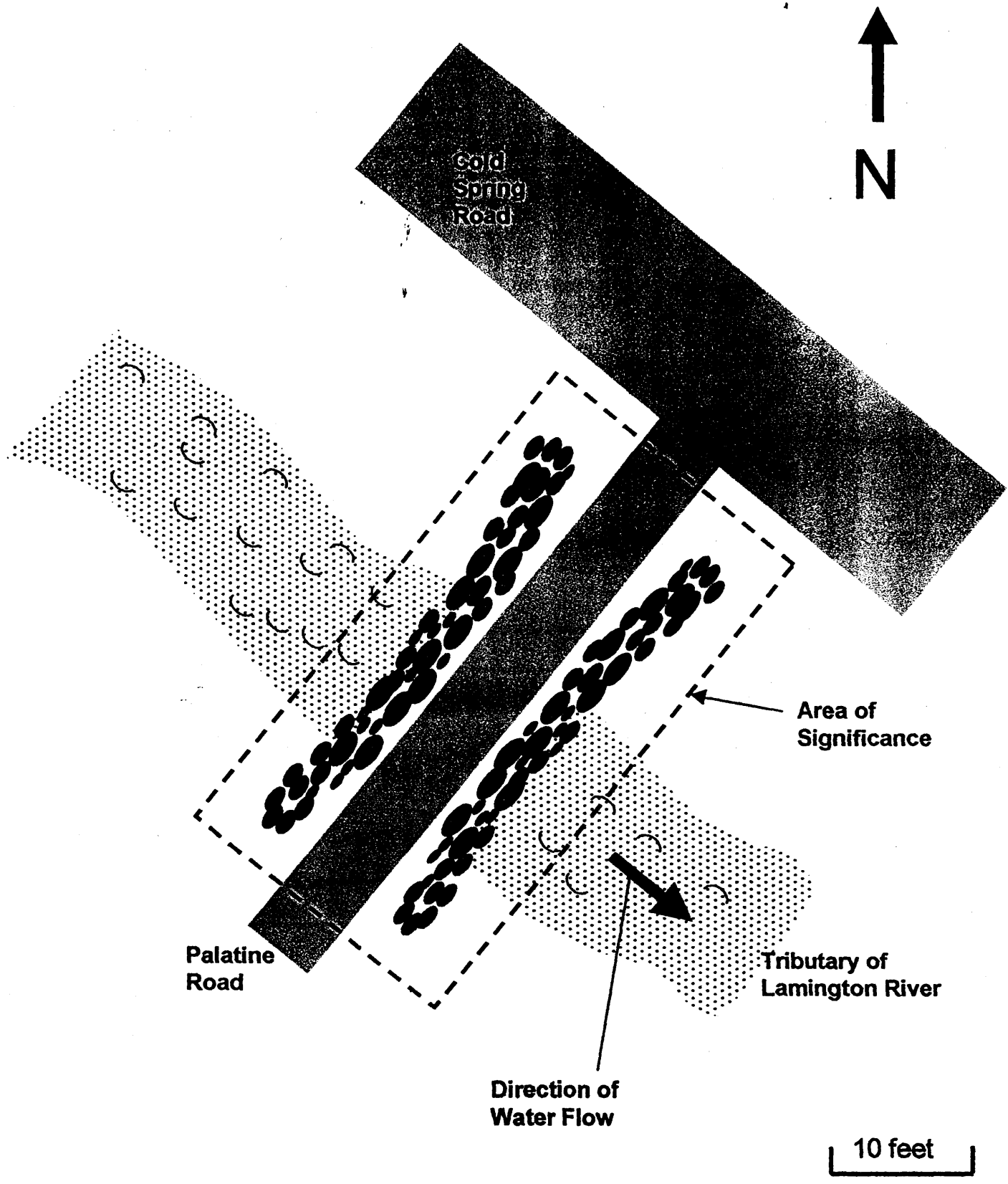
Historic Bridges of Tewksbury
Township, Hunterdon County,
New Jersey

Section number Photos Page 2

**PHOTOGRAPHS Palatine Road Bridge over a minor tributary of the Lamington
River**

Photograph #6 of 6:

View: Looking north of the east side of the bridge showing the underside of the
bridge and the concrete toe walls.

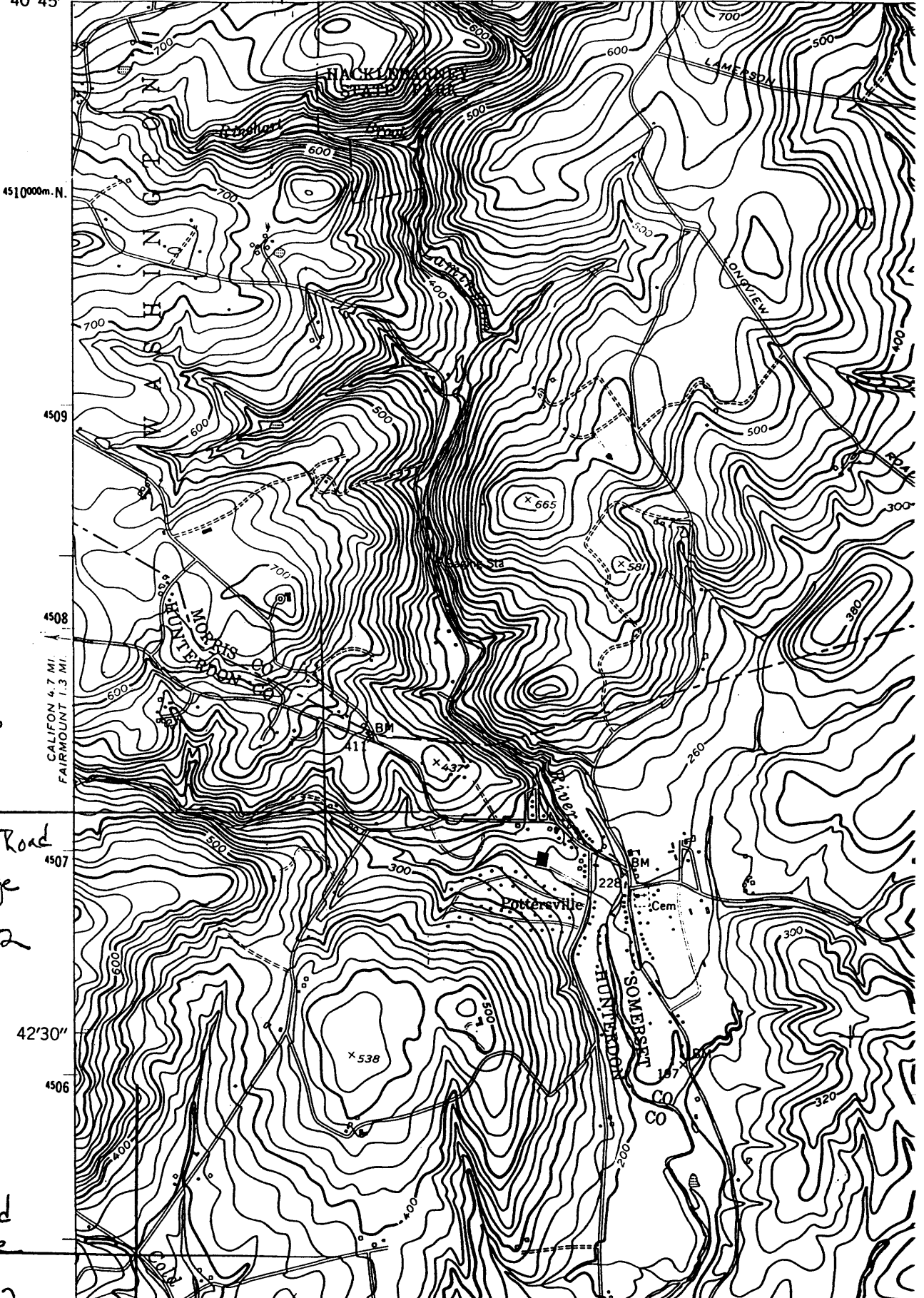


Gladstone quad

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

6065 N SE
(HACKETTSTOWN)

74°45' 522000m.E. 523 524 42°30'



Historic Bridges
F Tewksbury
Township

Hollow Brook Road
Bridge

Bridge # T-22

Latine Road
Bridge

Bridge # T-41