

3









89 A

Pennsylvania Historical and Museum Commission

Bureau of Historic Preservation

Commonwealth Keystone Building, 2nd Floor
400 North Street, Harrisburg, PA 17120-0093

Survey Code / Tax Parcel / Other No.: _____
 Municipality: Salem Township Address: 62 Kiliti Road
 Historic Name / Other Name: Kiliti Farm County: Luzerne 079

SITE PLAN

PHOTO INFORMATION

Attach Photo Here

[illegible]

Photographer Name: Matthew G. Hyland
Negative Location: GAI Consultants, Inc.
Date: January 28, 2008

Survey Code _____ Page 1 of 11
Date of Survey January 2008 Name of Surveyor Matthew G. Hyland

Farmstead Information (Page 1)
Identification and Location

Tax Parcel/Other No.: _____ Farm Acreage _____
County Luzerne Municipality Salem Township
Street Address 62 Kiliti Road
Historic Name F. King Farm
Other Name Kiliti Farm
UTM Coordinates Zone 18, 0401043 E, 4548764 N

Date of Farmstead circa 1925 to _____

Explain Basis for Dating Farmstead: A circa 1925 date for most outbuildings can be estimated by architectural style, building materials, and method of construction. However, the barn may date from the 1870s, based on historic mapping (Beers 1873).

If historic or current function is different than agriculture, note and describe current function: N/A

Survey Code _____

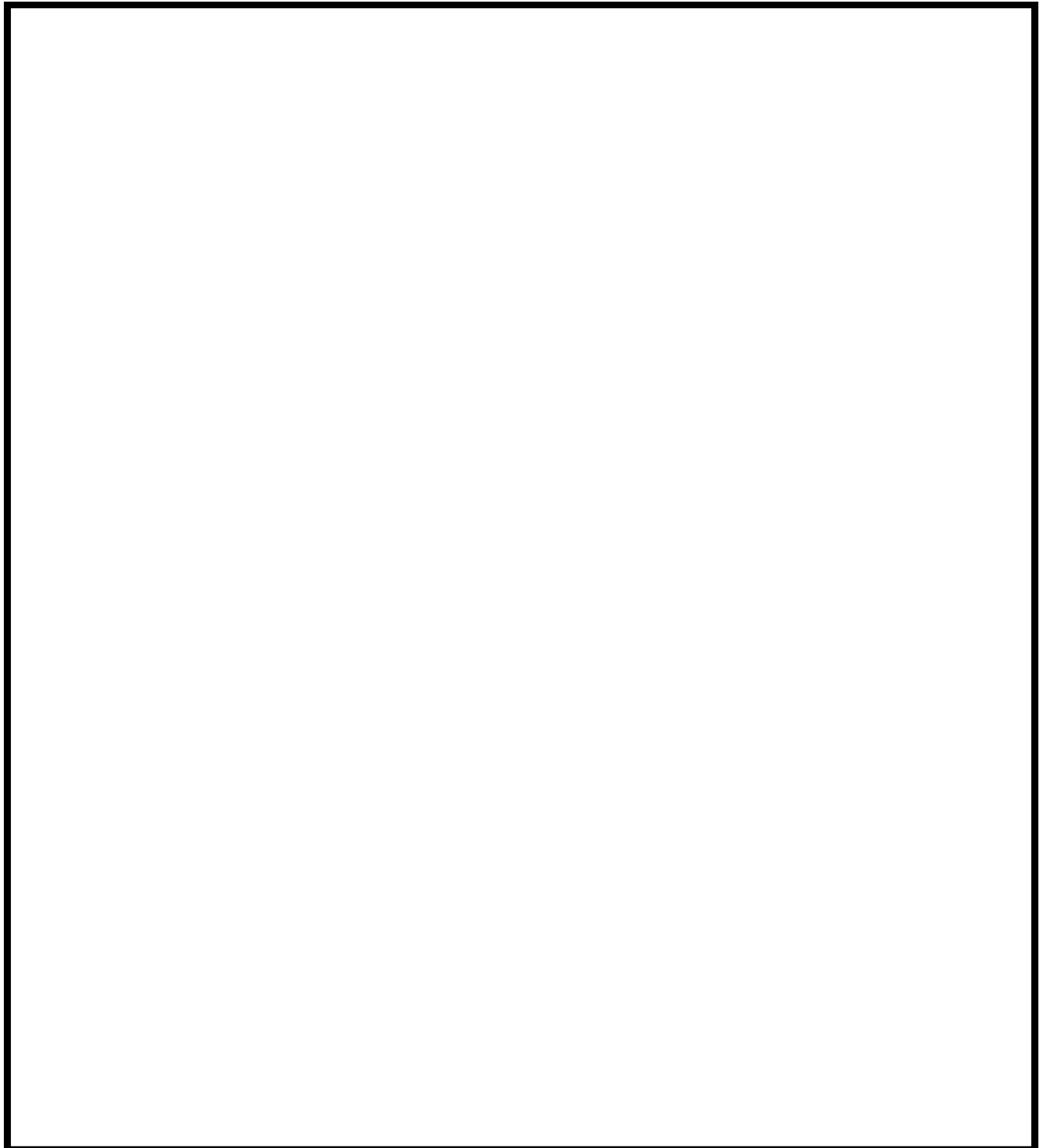
Page 2 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Farmstead Information (Page 2)

Sketch of Farmstead showing relation of structures and landscape features to one another

A large, empty rectangular box with a thick black border, intended for a sketch of the farmstead showing the relation of structures and landscape features to one another.

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Site Number _____

Barn Information

Barn Type:

- | | |
|---|----------------------------------|
| <input checked="" type="checkbox"/> Pennsylvania Barn | _____ Ground Barn (grundscheier) |
| _____ Basement Barn | _____ One of a Kind Barn |
| _____ Three-Gable Barn | _____ Erie Shore Barn |
| _____ English Barn | _____ Rainbow Roof Barn |
| _____ Gable-Entry Bank Barn | _____ New England Barn |
| _____ Wisconsin Style Dairy Barn | _____ Foundation |
| _____ Round or Polygonal Barn | _____ Other (Specify) |

Exterior Materials:

Foundation Concrete block
Walls Vertical wood siding
Other Stone

Roof V-crimp metal
Walls _____
Other _____

Exterior Barn Features:

- | | |
|--|----------------------------|
| <input checked="" type="checkbox"/> Banked | _____ Bridge on Eaves Side |
| _____ Not Banked | _____ Bridge on Gable End |
| _____ Forebay Enclosed on gable end(s) | |
| _____ Forebay Not Enclosed | |
| <input checked="" type="checkbox"/> Forebay Enclosed on Eaves Side | |
| _____ Forebay Extended and Supported with Posts | |
| _____ Outshed on Bankside (one or more) | |
| <input checked="" type="checkbox"/> Gable Roof | |
| _____ Gambrel Roof | |
| _____ Rainbow or Arched Roof | |
| _____ Shed Roof | |
| _____ Combination Roof | |
| <input checked="" type="checkbox"/> Roof Ridge Ventilators | |

Footprint:

- | |
|---|
| <input checked="" type="checkbox"/> Rectangular (incl square) |
| _____ Tee |
| _____ Ell |
| _____ Round |
| _____ Polygonal |
| _____ Irregular |

Entry (check all that apply):

- | |
|---|
| <input checked="" type="checkbox"/> Large Doors in Gable End(s) |
| <input checked="" type="checkbox"/> Large Doors in Eaves Side |
| _____ Dutch Doors Under Forebay |
| _____ Human Doors |
| _____ Dutch Doors (Location: _____) |

Access:

- | |
|--|
| <input checked="" type="checkbox"/> One Level |
| _____ Multi Level |
| <input checked="" type="checkbox"/> Ramp on Eaves Side |
| _____ Ramp on Gable End |
| <input checked="" type="checkbox"/> Bank on Eaves Side |
| _____ Bank on Gable End |

_____ Doors in Forebay or Gable End Wall (for offloading or cross ventilation, not entry)
 _____ Louvered Window Ventilators (shape, location _____)
 _____ Ventilation Slits or Circles
 _____ Star (shape, location _____)
 _____ Cutout Designs (shape, location _____)
 _____ Brick Design (shape, location _____)
 _____ Painted Designs (nature, location _____)
 _____ Date or Inscription (location and contents _____)
 _____ Hay Hood

Visible Exterior Alterations. Give estimated date, location, and materials if possible.

Enclosed eaves side of Pennsylvania Barn forebay Circa 1920
 Windows for poultry _____
 Lower level windows for dairy cows added or enlarged Circa 1920
 Shed-roof, gable-end extension for corn and/or machinery _____
 Ell extension _____
 Horse power shed (usually on bankside) _____
 One-story additions for livestock _____
 Gable end extension _____
 Storm shed stable level extension _____
 Shed roof eave side extension A one-story addition is located on the south elevation.

Year Built: C. circa 1870 to _____
 Explain Basis for Dating: Historic Mapping (Beers 1873).

Other Barn Notes:

Survey Form, Barns, Continued. **Site Number** _____

Interior Features: (only applicable if you are granted access, Please photograph significant features.)

- ____ Structural System:
- ____ Post and beam framing (sketch bent)
 - ____ Log (indicate notching system, number of cribs) _____
 - ____ Shawver truss
 - ____ Rainbow truss
 - ____ Laminated plank
 - ____ Balloon frame
 - ____ Other structural system (explain) _____
- ____ Granary:
- ____ in forebay
 - ____ in bankside
 - ____ in outshed
 - ____ central
- ____ Number of threshing floors
- ____ Number of mows
- ____ Number of interior levels
- ____ Pattern of floors, stables, and mows (indicate from what direction and on which level): (eg, upper level, m:f:f:m looking downslope from bank; or one level, s:f:m west to east) _____
- ____ Original stanchions
- ____ Longitudinal central aisle
- ____ Crosswise aisles and walkways
- ____ Original stalls
- ____ Integral corn crib
- ____ Other (_____)

Dairy Accommodations on Stable Level:

- ____ Concrete floors replace dirt
- ____ metal stanchions of various types replace wooden restraining systems
- ____ feed and litter alleys are reoriented: Usually lengthwise arrangement of dairy stanchions substitutes for crosswise arrangement of box stalls
- ____ omission of space for horses (some markets banned housing horses and cows together)
- ____ evidence of whitewashing
- ____ evidence of ventilation shafts inserted
- ____ litter carrier systems
- ____ installation of electricity
- ____ relocation or closing of hay chute
- ____ placement of stalls near light source

____ access from silo

Dairy and Other Alterations on Mow Level:

- ____ re-framing to accommodate hay track and other loading devices
- ____ addition of access from silo
- ____ holes cut in the gable end doors to load hay
- ____ elimination of drive floor use as machinery storage in favor of more hay storage
- ____ holes cut in log cribs to facilitate hay and grain movement
- ____ cleats added to barn bents to accommodate tobacco curing
- ____ evidence of pulley systems, etc. to drive machinery

Survey Code _____

Page 7 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Farmhouse Information

Architectural Classification: (choose one, only if ornament clearly indicates a style)

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Classical Revival | <input type="checkbox"/> Federal | <input type="checkbox"/> Gothic Revival | <input type="checkbox"/> Queen Anne |
| <input type="checkbox"/> Colonial | <input type="checkbox"/> Georgian | <input type="checkbox"/> Greek Revival | <input type="checkbox"/> Second Empire |
| <input type="checkbox"/> Colonial Revival | <input type="checkbox"/> Gothic Italianate | <input checked="" type="checkbox"/> Other | |

House Form:

___ I ___ four over four, one door ___ two door X four square
___ fivebay, central doorway ___ Upright and Wing ___ Three bay, two rooms deep
___ Single Pen ___ Double Pen ___ Gable Front ___ New England center chimney
___ Continental Pennsylvania German

Other (describe) _____

Exterior Materials:

Foundation <u>Stone and concrete</u>	Roof <u>Asphalt shingles</u>
Walls <u>Aluminum siding</u>	Walls _____
Other _____	Other _____

Structural System: 1. Wood-general 2. _____

Year Built: C. circa 1925 to _____

Explain: Based on architectural style and method of construction, a circa 1925 construction date can be estimated.

Additions/Alterations: C. _____ C. _____

Description and dates of any known alterations: New siding and roofing materials have been applied, a shed roof porch and shed roof ell have been added, and modern windows have replaced the original windows.

Other house features (novelty/ornamental, siting, banked or not, etc.): The house also features a pyramidal roof with shed-roofed dormers that project from two elevations of the roof.

Survey Code _____

Page 10 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Landscape Information

Fields:

☐ Contour plowed
☒ Cropland
☐ Pasture
☐ Orchard
☐ Woodlots

Circulation Network:

☐ Lanes
☒ Roads
☐ Pathways
☐ Streams
☐ Creeks

Boundary Demarcations:

☐ Hedgerows
☒ Treelines
☐ Fencing
☐ Walls

Other:

☐ Springs
☒ Pond
☐ Drainage Ditches
☐ Manure Lagoon
☐ Overgrown

Miscellaneous information about the landscape:

There is a pond located south of the main house.

Survey Code _____

Page 9 of 11Date of Survey January 2008Name of Surveyor Matthew G. Hyland**Outbuilding Information (Page 1)**

Note materials and date. If date is unknown, put best guess within a 25-year time span. Use second page if needed for other outbuilding types present and if more than one of the listed outbuilding types are present on the property. If more than one outbuilding of a particular type is present, please be sure to number them and mark which is which on the site plan (e.g., Poultry House #1, Poultry House #2, etc.).

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Bake House		
Butcher House		
Carriage House		
Corn Bins (specify how many)	Three, metal	circa 1970
Corn Crib		
Corn Crib #2		
Corn Crib #3		
Garage	Two, wood, metal	circa 1955
Granary		
Horse Barn		
Ice House		
Machine Shed #1	Wood, metal	circa 1955
Machine Shed #2	Wood, Metal	Ruined
Milk House		
Pigsty		
Pole Barn	Wood, metal	circa 1970
Poultry House		
Poultry House #2		
Root Cellar		
Silo	Concrete	circa 1950
Silo #2		
Silo #3		
Smokehouse		
Springhouse		
Summer Kitchen		
Tobacco Barn		
Tool Shed		
Wagon Shed		

Other Outbuildings:

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>

Outbuilding Notes:

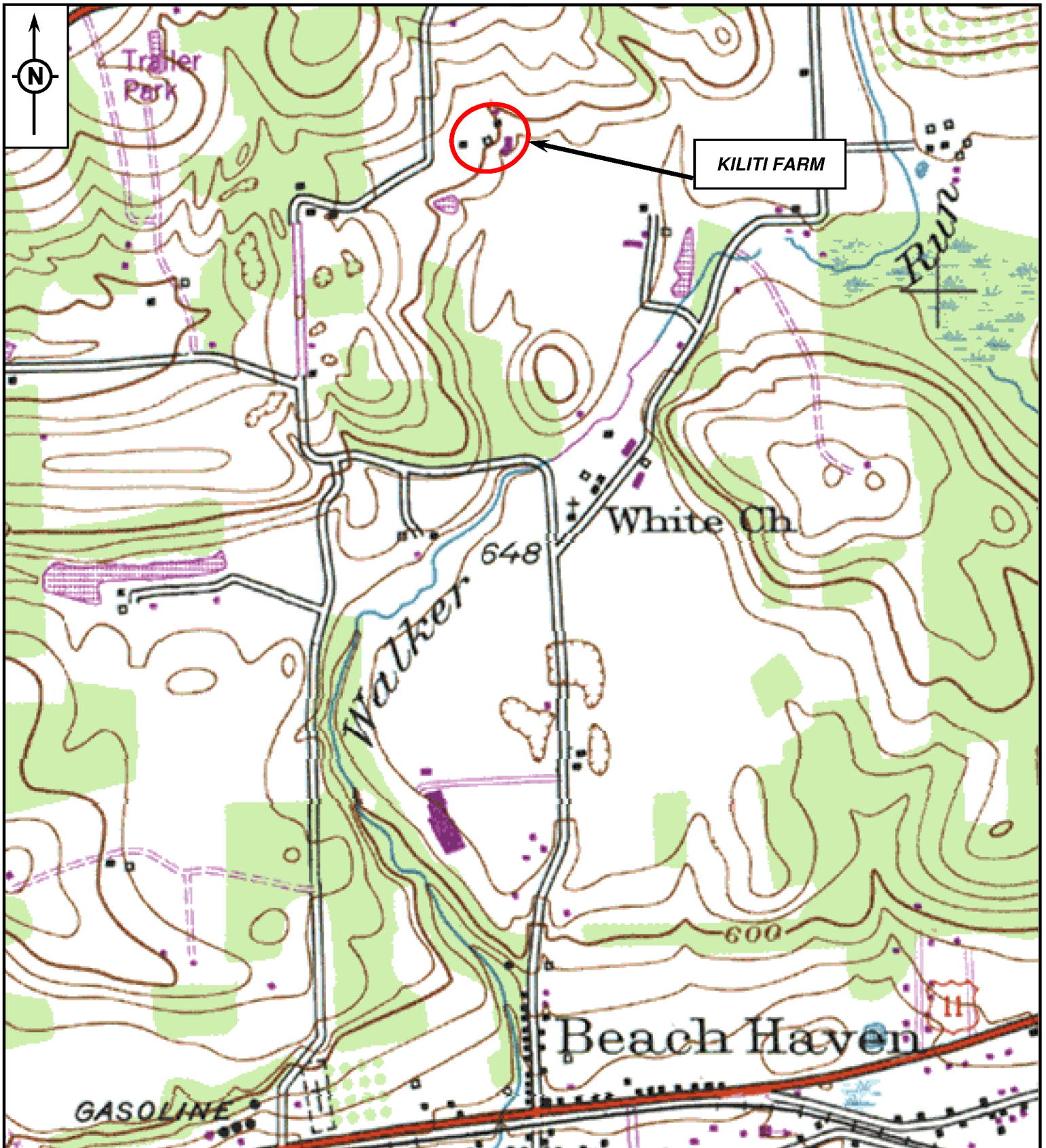
Historic mapping (Beers 1873) identifies F.King as the owner of a farm at the location of the present Kiliti Farm. The business index of that map, however, does not include a listing for F. King. Additionally, the 1880 agricultural census for Salem Township ship does not enumerate a farm owned by F. King.

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Photo Log

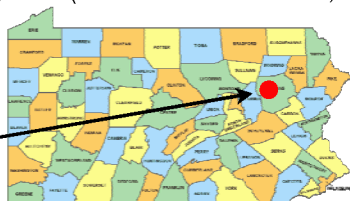
[illegible]



SOURCE: USGS 7.5 MINUTE BERWICK, PA
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,
1976)



PROJECT LOCATION



KILITI FARM
BELL BEND NPP-1 PROJECT
LUZERNE COUNTY

gai consultants

gai consultants



1. Photograph 1
2. Kiliti Farm
3. Salem Township, Luzerne County
4. Farm Overview, Facing Southeast



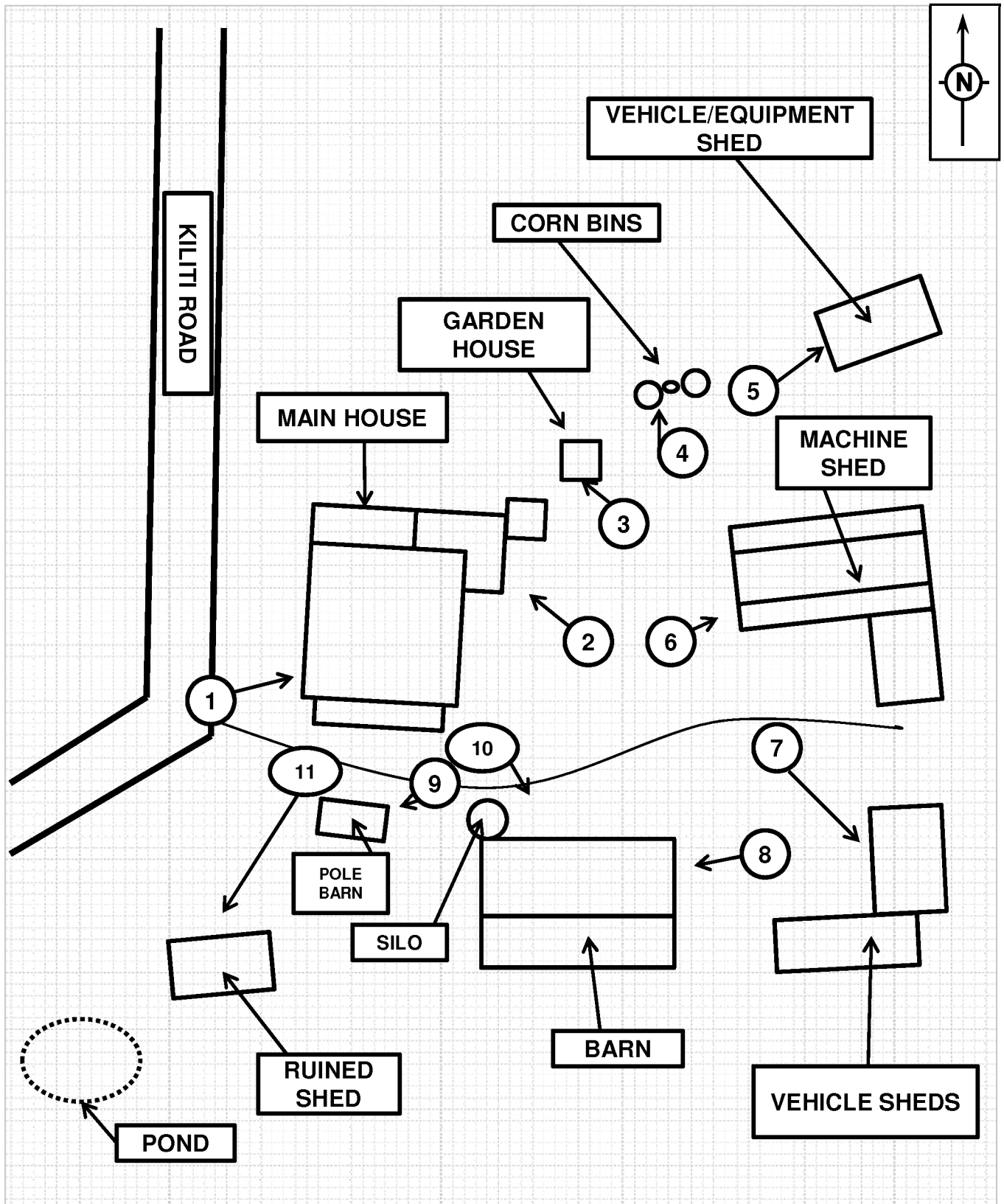
1. Photograph 2
2. Kiliti Farm
3. Salem Township, Luzerne County
4. House, Barn, and Outbuildings, Facing Northeast



1. Photograph 3
2. Kiliti Farm
3. Salem Township, Luzerne County
4. Vehicle/Equipment Shed and Pond, Facing Southeast

Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.



ADDITIONAL PHOTOGRAPHS

1





3





5















89 A

Pennsylvania Historical and Museum Commission

Bureau of Historic Preservation

Commonwealth Keystone Building, 2nd Floor
400 North Street, Harrisburg, PA 17120-0093

Survey Code / Tax Parcel / Other No.: _____
 Municipality: Salem Township Address: 4210 North Market Street
 Historic Name / Other Name: Heller Farm County: Luzerne 079

SITE PLAN

PHOTO INFORMATION

Attach Photo Here

[illegible]

Photographer Name: Matthew G. Hyland
Negative Location: GAI Consultants, Inc.
Date: January 28, 2008

Survey Code _____

Page 1 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Farmstead Information (Page 1)
Identification and Location

Tax Parcel/Other No.: _____ Farm Acreage _____

County Luzerne Municipality Salem Township

Street Address 4210 North Market Street

Historic Name Unknown

Other Name Heller Farm

UTM Coordinates Zone 18, 0401406 E, 4548624 N

Date of Farmstead circa 1880 to _____

Explain Basis for Dating Farmstead: Based on architectural styles, method of construction, and construction materials, this farmstead can be dated to circa 1920.

If historic or current function is different than agriculture, note and describe current function: Currently, the property functions as a dog kennel.

Survey Code _____

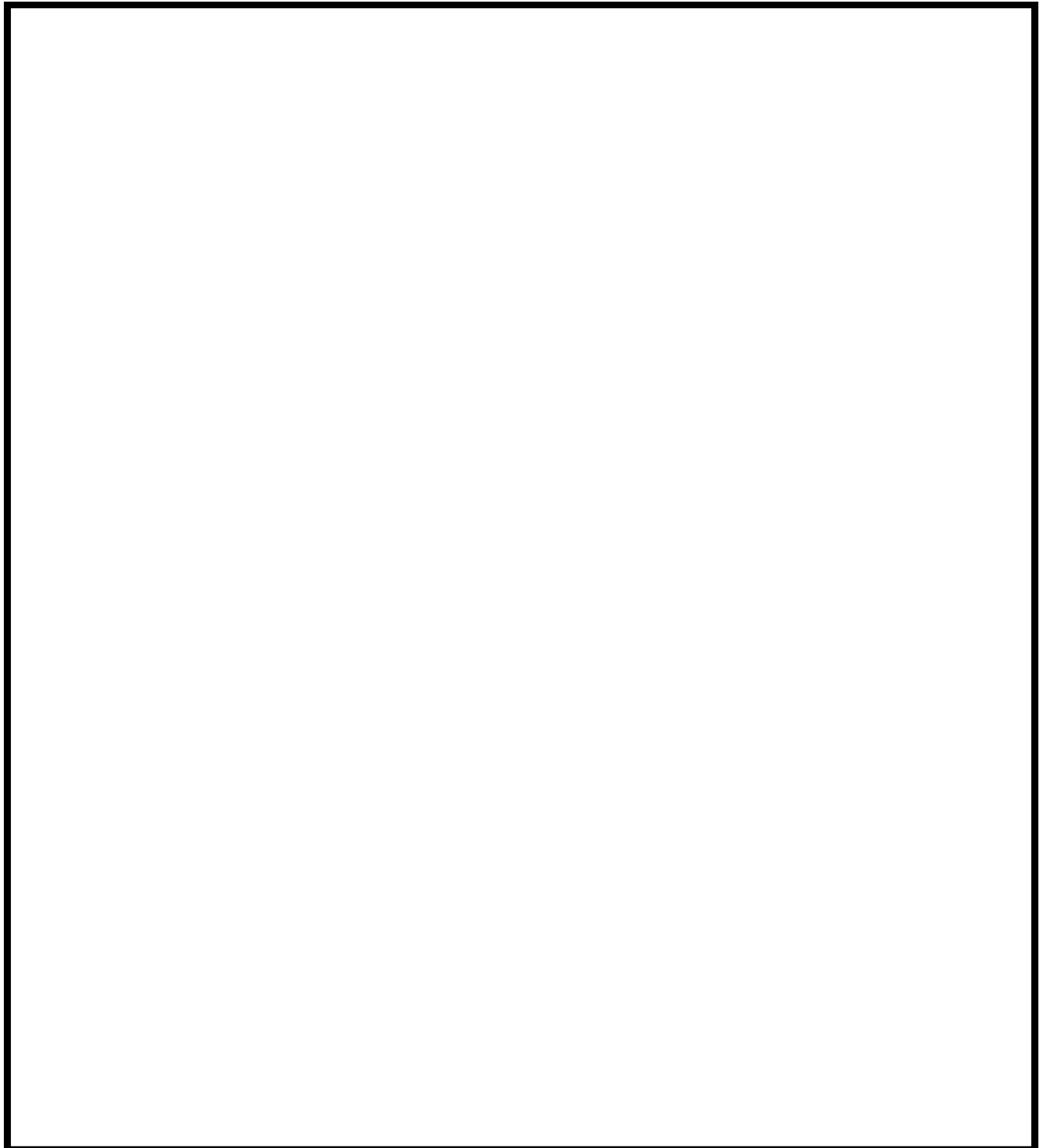
Page 2 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Farmstead Information (Page 2)

Sketch of Farmstead showing relation of structures and landscape features to one another

A large, empty rectangular box with a thick black border, intended for a sketch of the farmstead showing the relation of structures and landscape features to one another.

Date of Survey January 2008 Name of Surveyor Matthew G. Hyland Site Number _____

Barn Information

Barn Type:

- | | |
|---|----------------------------------|
| <input checked="" type="checkbox"/> Pennsylvania Barn | _____ Ground Barn (grundscheier) |
| _____ Basement Barn | _____ One of a Kind Barn |
| _____ Three-Gable Barn | _____ Erie Shore Barn |
| _____ English Barn | _____ Rainbow Roof Barn |
| _____ Gable-Entry Bank Barn | _____ New England Barn |
| _____ Wisconsin Style Dairy Barn | _____ Foundation |
| _____ Round or Polygonal Barn | _____ Other (Specify) |

Exterior Materials:

Foundation <u>Concrete block</u>	Roof <u>Metal</u>
Walls <u>Vertical wood siding</u>	Walls _____
Other <u>Stone</u>	Other _____

Exterior Barn Features:

- | | |
|--|----------------------------|
| <input checked="" type="checkbox"/> Banked | _____ Bridge on Eaves Side |
| _____ Not Banked | _____ Bridge on Gable End |
| _____ Forebay Enclosed on gable end(s) | |
| _____ Forebay Not Enclosed | |
| <input checked="" type="checkbox"/> Forebay Enclosed on Eaves Side | |
| _____ Forebay Extended and Supported with Posts | |
| _____ Outshed on Bankside (one or more) | |
| <input checked="" type="checkbox"/> Gable Roof | |
| _____ Gambrel Roof | |
| _____ Rainbow or Arched Roof | |
| _____ Shed Roof | |
| _____ Combination Roof | |
| _____ Roof Ridge Ventilators | |

Footprint:

- | |
|---|
| <input checked="" type="checkbox"/> Rectangular (incl square) |
| _____ Tee |
| _____ Ell |
| _____ Round |
| _____ Polygonal |
| _____ Irregular |

Entry (check all that apply):

- | |
|---|
| _____ Large Doors in Gable End(s) |
| <input checked="" type="checkbox"/> Large Doors in Eaves Side |
| _____ Dutch Doors Under Forebay |
| <input checked="" type="checkbox"/> Human Doors |
| _____ Dutch Doors (Location: _____) |

Access:

- | |
|--|
| _____ One Level |
| <input checked="" type="checkbox"/> Multi Level |
| <input checked="" type="checkbox"/> Ramp on Eaves Side |
| _____ Ramp on Gable End |
| <input checked="" type="checkbox"/> Bank on Eaves Side |
| _____ Bank on Gable End |

_____ Doors in Forebay or Gable End Wall (for offloading or cross ventilation, not entry)
 _____ Louvered Window Ventilators (shape, location _____)
 _____ Ventilation Slits or Circles
 _____ Star (shape, location _____)
 _____ Cutout Designs (shape, location _____)
 _____ Brick Design (shape, location _____)
 _____ Painted Designs (nature, location _____)
 _____ Date or Inscription (location and contents _____)
 _____ Hay Hood

Visible Exterior Alterations. Give estimated date, location, and materials if possible.

Enclosed eaves side of Pennsylvania Barn forebay Circa 1920
 Windows for poultry _____
 Lower level windows for dairy cows added or enlarged _____
 Shed-roof, gable-end extension for corn and/or machinery _____
 Ell extension _____
 Horse power shed (usually on bankside) _____
 One-story additions for livestock _____
 Gable end extension _____
 Storm shed stable level extension _____
 Shed roof eave side extension One-story addition on the east elevation.

Year Built: C. circa 1880s to _____

Explain Basis for Dating: The barn dates from the 1880s, based on materials, style, and local agricultural practices.

Other Barn Notes:

A shed-roof addition has been appended to the barn. Concrete blocks have been installed to enclose the forebay.

Survey Form, Barns, Continued. **Site Number** _____

Interior Features: (only applicable if you are granted access, Please photograph significant features.)

- ____ Structural System:
- ____ Post and beam framing (sketch bent)
 - ____ Log (indicate notching system, number of cribs) _____
 - ____ Shawver truss
 - ____ Rainbow truss
 - ____ Laminated plank
 - ____ Balloon frame
 - ____ Other structural system (explain) _____
- ____ Granary:
- ____ in forebay
 - ____ in bankside
 - ____ in outshed
 - ____ central
- ____ Number of threshing floors
- ____ Number of mows
- ____ Number of interior levels
- ____ Pattern of floors, stables, and mows (indicate from what direction and on which level): (eg, upper level, m:f:f:m looking downslope from bank; or one level, s:f:m west to east) _____
- ____ Original stanchions
- ____ Longitudinal central aisle
- ____ Crosswise aisles and walkways
- ____ Original stalls
- ____ Integral corn crib
- ____ Other (_____)

Dairy Accommodations on Stable Level:

- ____ Concrete floors replace dirt
- ____ metal stanchions of various types replace wooden restraining systems
- ____ feed and litter alleys are reoriented: Usually lengthwise arrangement of dairy stanchions substitutes for crosswise arrangement of box stalls
- ____ omission of space for horses (some markets banned housing horses and cows together)
- ____ evidence of whitewashing
- ____ evidence of ventilation shafts inserted
- ____ litter carrier systems
- ____ installation of electricity
- ____ relocation or closing of hay chute
- ____ placement of stalls near light source

____ access from silo

Dairy and Other Alterations on Mow Level:

- ____ re-framing to accommodate hay track and other loading devices
- ____ addition of access from silo
- ____ holes cut in the gable end doors to load hay
- ____ elimination of drive floor use as machinery storage in favor of more hay storage
- ____ holes cut in log cribs to facilitate hay and grain movement
- ____ cleats added to barn bents to accommodate tobacco curing
- ____ evidence of pulley systems, etc. to drive machinery

Survey Code _____

Page 7 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Farmhouse Information

Architectural Classification: (choose one, only if ornament clearly indicates a style)

☐ Classical Revival

☐ Federal

☐ Gothic Revival

☐ Queen Anne

☐ Colonial

☐ Georgian

☐ Greek Revival

☐ Second Empire

☐ Colonial Revival

☐ Gothic Italianate

☒ Other

House Form:

___ I ___ four over four, one door ___ two door ___ four square

___ fivebay, central doorway ___ Upright and Wing ___ Three bay, two rooms deep

___ Single Pen ___ Double Pen ___ Gable Front ___ New England center chimney

___ Continental Pennsylvania German

Other (describe) L-plan

Exterior Materials:

Foundation Stone and concrete

Roof Metal and asphalt

Walls Brick and vinyl

Walls _____

Other _____

Other _____

Structural System: 1. Masonry

2. _____

Year Built: C. ☒ 1880 to _____

Explain: The house dates from the 1880s, based on materials, style, and local agricultural history.

Additions/Alterations: C. ☒ 1980

C. _____

Description and dates of any known alterations: Vinyl siding has been applied to the exterior.

Two gable roof additions have been appended to the west elevation.

A concrete block stove flu has been appended to the east elevation.

Other house features (novelty/ornamental, siting, banked or not, etc.): _____

Survey Code _____

Page 8 of 11

Date of Survey January 2008

Name of Surveyor Matthew G. Hyland

Landscape Information

Fields:

☐ Contour plowed
☐ Cropland
☒ Pasture
☐ Orchard
☐ Woodlots

Circulation Network:

☐ Lanes
☒ Roads
☐ Pathways
☐ Streams
☐ Creeks

Boundary Demarcations:

☐ Hedgerows
☐ Treelines
☒ Fencing
☐ Walls

Other:

☐ Springs
☒ Pond
☐ Drainage Ditches
☐ Manure Lagoon
☐ Overgrown

Miscellaneous information about the landscape:

A modern metal shell building has been constructed on the property. It functions as a dog kennel.

The silo has been demolished.

Survey Code _____

Page 9 of 11Date of Survey January 2008Name of Surveyor Matthew G. Hyland**Outbuilding Information (Page 1)**

Note materials and date. If date is unknown, put best guess within a 25-year time span. Use second page if needed for other outbuilding types present and if more than one of the listed outbuilding types are present on the property. If more than one outbuilding of a particular type is present, please be sure to number them and mark which is which on the site plan (e.g., Poultry House #1, Poultry House #2, etc.).

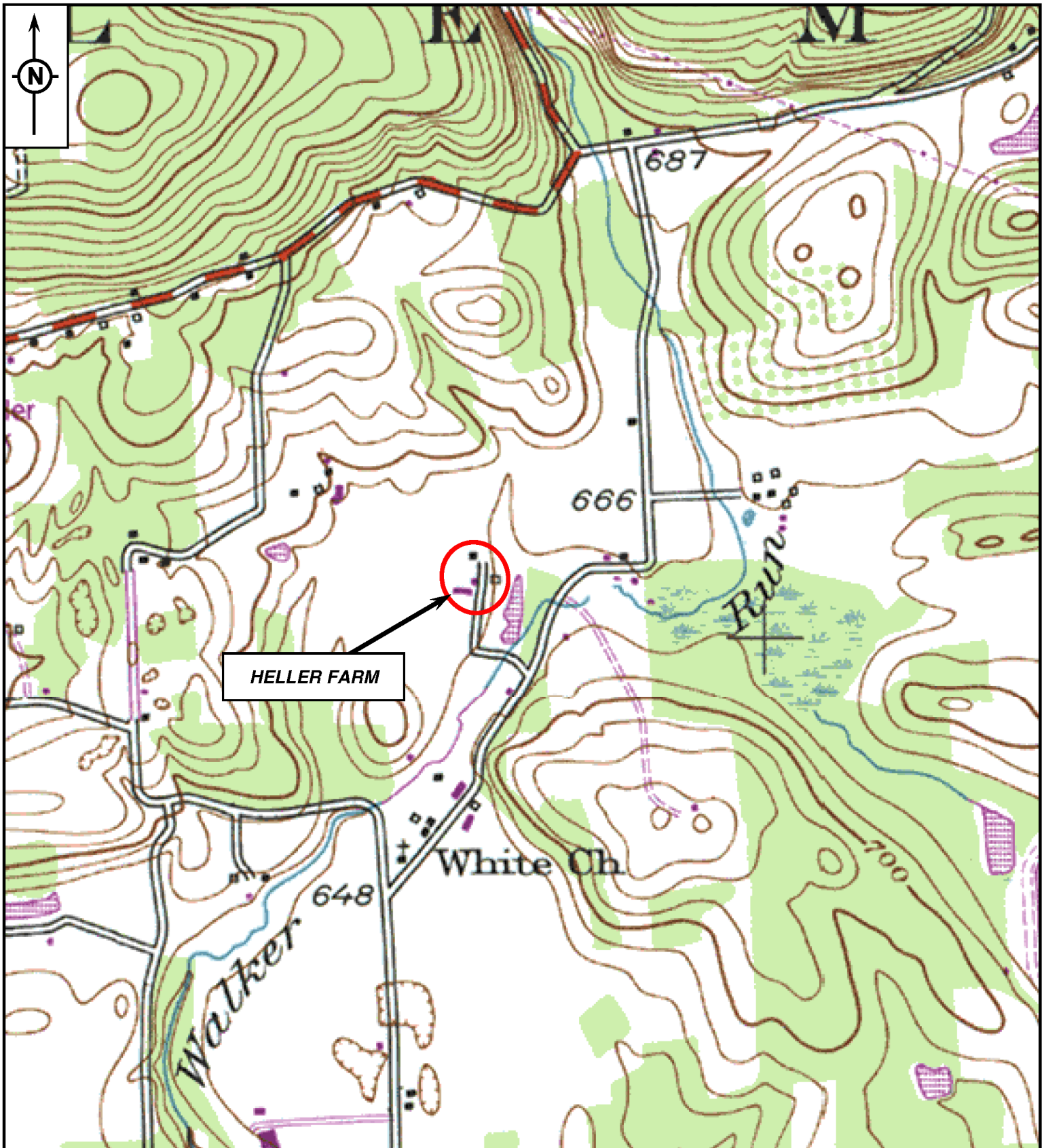
<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Bake House		
Butcher House		
Carriage House		
Corn Bins (specify how many)		
Corn Crib		
Corn Crib #2		
Corn Crib #3		
Garage	Masonry and wood	Circa 1920
Granary		
Horse Barn		
Ice House		
Machine Shed #1		
Machine Shed #2		
Milk House		
Pigsty		
Pole Barn		
Poultry House		
Poultry House #2		
Root Cellar		
Silo		
Silo #2		
Silo #3		
Smokehouse		
Springhouse		
Summer Kitchen		
Tobacco Barn		
Tool Shed		
Wagon Shed		

Other Outbuildings:

<u>Type of Outbuilding</u>	<u>Materials</u>	<u>Date</u>
Animal Building/Dog Kennel	Wood, V-crimp metal	circa 1940

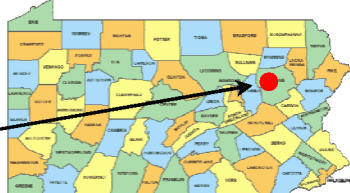
Outbuilding Notes:

Based on a review of historic mapping, no farm buildings appeared at this location in 1873 (Beers). Therefore, an evaluation of this farm within the agricultural context is not provided.



SOURCE: USGS 7.5 MINUTE BERWICK, PA
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,
1976)

PROJECT LOCATION



gai consultants

HELLER FARM
BELL BEND NPP-1 PROJECT
LUZERNE COUNTY

gai consultants



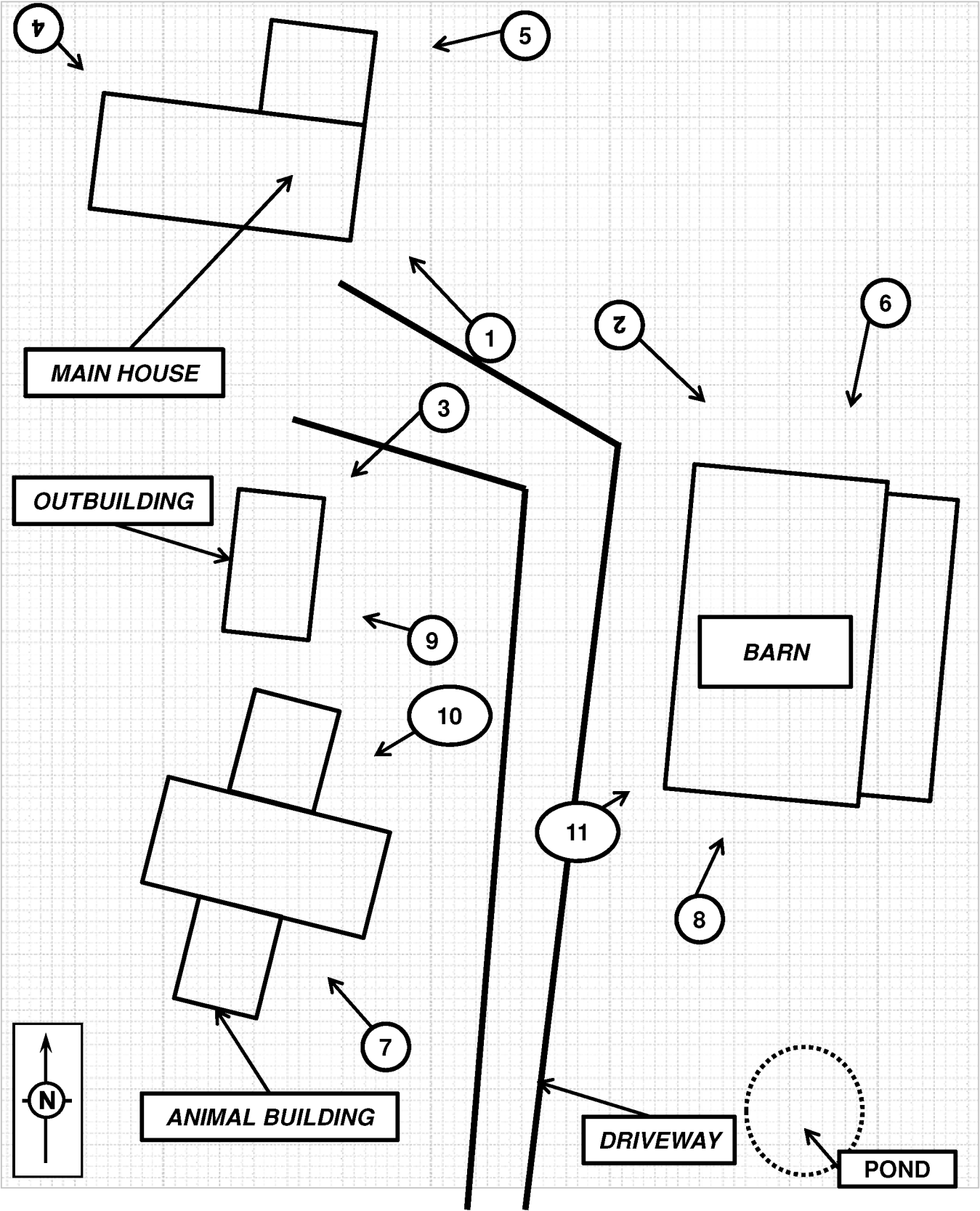
1. Photograph 1
2. Heller Farm
3. Salem Township, Luzerne County
4. Farm Overview, Facing Northwest



1. Photograph 2
2. Heller Farm
3. Salem Township, Luzerne County
4. Farm Overview, Facing North

Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.



ADDITIONAL PHOTOGRAPHS

1





3



















89A

Pennsylvania Historical and Museum Commission

Bureau of Historic Preservation

Commonwealth Keystone Building, 2nd Floor
400 North Street, Harrisburg, PA 17120-0093

Survey Code / Tax Parcel / Other No.:

County: Luzerne 079

Municipality: Salem Township

Address: North Market Street

Historic Name / Other Name: North Market Street Bridge

SITE PLAN

PHOTO INFORMATION

Attach Photo Here



Number	Description of View	Direction of Camera
		

Overview

$$\frac{W}{Z}$$

Photographer Name: Matthew G. Hyland

Date: January 28, 2008

PENNSYLVANIA HISTORIC BRIDGE SURVEY FORM - DATA SHEET

Pennsylvania Historical and Museum Commission,
Bureau for Historic Preservation 96BBR

IDENTIFICATION AND LOCATION

Survey Code: _____ Tax Parcel/Other No.: _____

County: 1. Luzerne 2. _____
Municipality: 1. Salem Township 2. _____

Street/Road: North Market Street

Crossing Over: Walker Run

Historic Name: _____

Other Name: North Market Street Bridge

Owner Name/Address: _____

Owner Category: ☐ Private ☐ Public-local-county ☒ Public-local-municipal ☐ Public-state ☐ Public-federal

USGS Quad: 1. Berwick, PA 2. _____

UTM References: A. Zone 18, 0401570 E, 4548528 N B. _____

HISTORIC AND CURRENT FUNCTIONS

Historic Function Category: _____ Subcategory: _____ Code: _____
A. Transportation Road-related _____
B. _____

Current Function Category: _____ Subcategory: _____ Code: _____
A. Transportation Road-related _____
B. _____

Particular Type: Bridge

PHYSICAL DESCRIPTION

Architectural Classification: A. Stone arch
B. _____ Other: _____

of Spans 1 Overall Length 60' Predominant Material Stone

of Main Spans 1

Main Span

Materials: 1. _____ 2. _____ Length: _____ Span Type: _____

Design Type: _____ Structural Feature: 1. _____ 2. _____

Secondary Span 1

Materials: 1. _____ 2. _____ Length: _____ Span Type: _____

Design Type: _____ Structural Feature: _____

Secondary Span 2

Materials: 1. _____ 2. _____ Length: _____ Span Type: _____
Design Type: _____ Structural Feature: _____

Secondary Span 3

Materials: 1. _____ 2. _____ Length: _____ Span Type: _____
Design Type: _____ Structural Feature: _____

Substructure

Materials: 1. _____ 2. _____ Structural Feature: _____
Configuration: _____

HISTORICAL INFORMATION

Year Built: ☐ ca. _____ to ☒ ca. 1935 Additions/Alterations Dates: ☐ ca. _____ ☐ ca. _____

Basis for Dating: ☐ Documentary ☒ Physical

Explain: Based on construction materials and style, this bridge appears to date from circa 1935.

Associated Individuals: 1. _____ 2. _____ Associated Events: 1. _____
2. _____ Architects/Engineers: 1. _____ 2. _____
Builders: 1. _____ 2. _____

MAJOR BIBLIOGRAPHICAL REFERENCES

PREVIOUS SURVEY, DETERMINATIONS

EVALUATION (Survey Director/Consultants Only)

Individual NR Potential: ☒ Yes ☐ No Context(s): Transportation
Contributes to Potential District: ☐ Yes ☒ No District Name/Status: _____
Explain: This bridge is potentially eligible for NRHP listing under Criterion C.

SURVEYOR INFORMATION

Surveyor Name/Title: Matthew G. Hyland/Megan L. Otten Date: January 2008
Project Name: Berwick, PA NPP-1 Project
Organization: GAI Consultants, Inc. Telephone: 412.476.2000
Street and No.: 385 East Waterfront Drive City, State: Homestead, PA
Zip Code: 15120
Additional Survey Documentation: _____
Associated Survey Codes: _____

PENNSYLVANIA HISTORICAL BRIDGE SURVEY FORM - NARRATIVE SHEET 96CBR
Pennsylvania Historical and Museum Commission, Bureau for Historic Preservation

Survey Code: _____ Tax Parcel/Other No.: _____
County: Luzerne Municipality: Salem Township
Address: North Market Street over Walker Run
Historic/Other Name: North Market Street Bridge

PHYSICAL DESCRIPTION:

Built circa 1935, this stone arch bridge spans Walker Run approximately 1 mile north of the small community of Beach Haven. The bridge is constructed of stone with stone voussoirs marked by keystones. The stones are joined by beaded mortar joints; some of which have been repointed. The main span reaches a pointed apex in the middle of the span and is extended by short wing walls on each end, and the parapets of the superstructure are capped by granite coping. The bridge carries a single, asphalt-paved traffic lane.

HISTORICAL NARRATIVE:

Writing in 1860, a local historian described the Bell Bend area as “open country” and “an agricultural township” extending from Beach Grove to Bloomsburg. In 1860, the farms of Salem Township, which was formed in 1790, produced rye, wheat, corn, oats, and buckwheat, which were marketed at Hazelton. Settlement in Salem Township dates from 1773, when Nathan Beach constructed a log home and store at Beach Grove in the project area (Bradsby 1893: 643).

Industrial manufacturing, supported by anthracite extraction, emerged as the prominent theme in Luzerne County’s social and economic history. Light manufacturing occurred in some of Luzerne County’s agricultural districts. Salem Township produced iron ore in the first half of the nineteenth century (Pearce 1860: 355, 386). After the Civil War, mergers and consolidations of railroad and coal companies and the arrival of immigrants from eastern Europe intensified the pace of anthracite extraction in Luzerne County and brought about various cultural transformations. The majority of population growth in Luzerne County occurred in the county’s mining districts. Early railroad development in the county took place near Wilkes-Barre and Scranton. Closer to the project area, the Lackawanna & Bloomsburg Railroad was completed in 1857 (Pearce 1860: 448). Railroads illustrate the importance of anthracite extraction for energy production in Luzerne County. Anthracite remained a viable economic endeavor until the post-World War II time period.

The energy industry continues to play a prominent role in the local economy. For instance, late-twentieth-century developments in the project area include the construction of a nuclear power plant at Bell Bend. Pennsylvania Power and Light (PPL) constructed a two-unit Susquehanna plant in 1970. The plant consists of two boiling water reactors and employs approximately 1,000 people.

This bridge is not directly associated with any significant events or trends in local or regional history. As such, it is recommended not eligible for NRHP listing under Criterion A. No documentary evidence linking the bridge to any significant individuals in local or regional history could be identified. Therefore, this bridge is recommended not eligible for NRHP listing under Criterion B. This bridge, however, is a rare and well-preserved example of a 20th-century stone arch bridge in the area. Therefore, it is recommended eligible for NRHP listing under Criterion C.

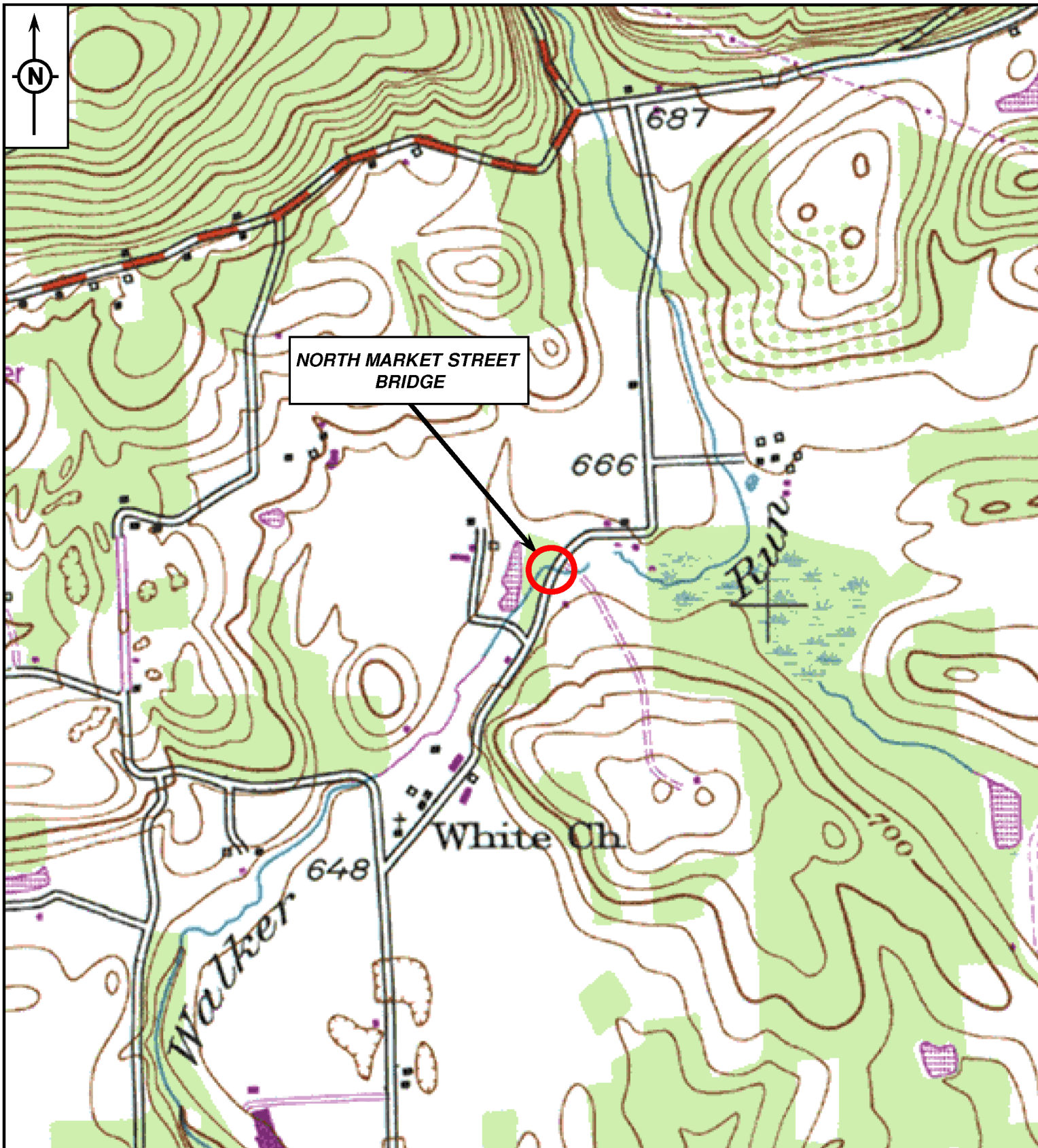
Bradsby, H.C.

1893 History of Luzerne County, Pennsylvania, with Biographical Sketches. S.B. Nelson & Company, Chicago.

Pearce, S.

1860 Annals of Luzerne County: A Record of Interesting Events, Traditions, and Anecdotes from the First Settlement at Wyoming to 1860. J.B. Lippincott & Company, Philadelphia, Pennsylvania

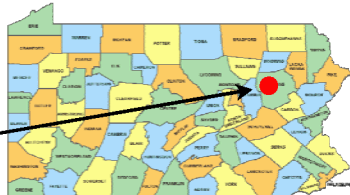




SOURCE: USGS 7.5 MINUTE BERWICK, PA
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,
1976)



PROJECT LOCATION



NORTH MARKET STREET BRIDGE
BELL BEND NPP-1 PROJECT
LUZERNE COUNTY

gai consultants

gai consultants



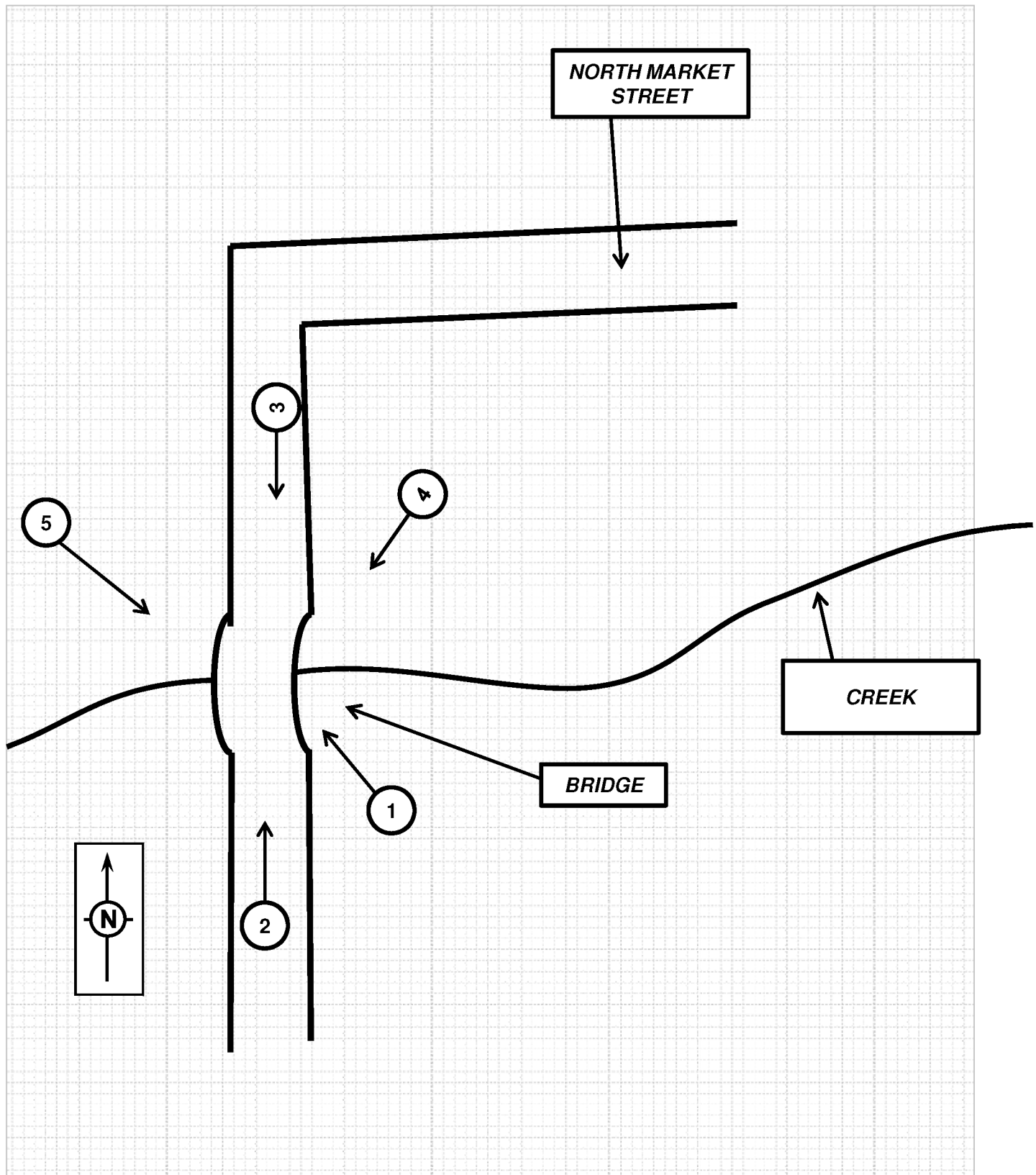
1. Photograph 1
2. North Market Street Bridge
3. Salem Township, Luzerne County
4. Facing North



1. Photograph 2
2. North Market Street Bridge
3. Salem Township, Luzerne County
4. Facing West

Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.



ADDITIONAL PHOTOGRAPHS

1











89A

Bureau of Historic Preservation

Commonwealth Keystone Building, 2nd Floor
400 North Street, Harrisburg, PA 17120-0093

Survey Code / Tax Parcel / Other No.:

County: Luzerne 079

Municipality: Salem Township

Address: Along Susquehanna River, US Route 11 Vicinity

Historic Name / Other Name: North Branch Pennsylvania Canal

SITE PLAN

PHOTO INFORMATION

Attach Photo Here

[illegible]Date: January 28, 2008

Photographer Name: Matthew G. Hyland

Negative Location: GAL Consultants, Inc.

Historic Resource Survey Form

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
Bureau for Historic Preservation

Key # _____

ER# _____

Name, Location and Ownership *(Items 1-6; see Instructions, page 4)*

HISTORIC NAME North Branch of the Pennsylvania Canal

CURRENT/Common NAME _____

STREET ADDRESS Along Susquehanna River, US Route 11 Vicinity ZIP _____

LOCATION _____

MUNICIPALITY Salem Township COUNTY Luzerne

TAX PARCEL #/YEAR _____ USGS QUAD Berwick, PA: Zone 18

OWNERSHIP ☐ Private
☐ Public/Local ☐ Public/County ☒ Public/State ☐ Public/Federal

OWNER NAME/ADDRESS _____

CATEGORY OF PROPERTY ☐ Building ☐ Site ☒ Structure ☐ Object ☐ District

TOTAL NUMBER OF RESOURCES 1

Function *(Items 7-8; see Instructions, pages 4-6)*

Historic Function	Subcategory	Particular Type
<u>Transportation</u>	<u>Water related</u>	<u>Canal</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Current Function	Subcategory	Particular Type
<u>Vacant/Not in use</u>	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Architectural/Property Information *(Items 9-14; see Instructions, pages 6-7)*

ARCHITECTURAL CLASSIFICATION

No Style _____

EXTERIOR MATERIALS and STRUCTURAL SYSTEM

Foundation	<u>Earth</u>	_____
Walls	<u>Earth</u>	_____
Roof	_____	_____
Other	_____	_____
Structural System	_____	_____

WIDTH _____(feet) or _____ (# bays) DEPTH _____(feet) or _____ (# rooms) STORIES/HEIGHT _____

Key # _____
ER# _____

Property Features *(Items 15-17; see Instructions, pages 7-8)*

Setting Rural, small towns

Ancillary Features

Acreage _____ (round to nearest tenth)

Historical Information *(Items 18-21; see Instructions, page 8)*

Year Construction Began _____ ☐ Circa Year Completed 1828 ☒ Circa

Date of Major Additions, Alterations _____ ☐ Circa _____ ☐ Circa _____ ☐ Circa

Basis for Dating ☒ Documentary ☐ Physical

Explain This resource is documented as having a construction date of 1828.

Cultural/Ethnic Affiliation(s) _____

Associated Individual(s) _____

Associated Event(s) _____

Architect(s) _____

Builder(s) _____

Submission Information *(Items 22-23; see Instructions, page 8)*

Previous Survey/Determinations _____

Threats ☐ None ☒ Neglect ☐ Public Development ☐ Private Development ☐ Other

Explain _____

This submission is related to a ☐ non-profit grant application ☐ business tax incentive

☐ NHPA/PA History Code Project Review ☒ other

Preparer Information *(Items 24-30; see Instructions, page 9)*

Name & Title Matthew G. Hyland, Megan L. Otten

Date Prepared July 28, 2008 Project Name Berwick, PA NPP-1 Project

Organization/Company GAI Consultants, Inc.

Mailing Address 385 East Waterfront Drive Homestead, PA 15120

Phone 412.476.2000 Email _____

National Register Evaluation *(Item 31; see Instructions, page 9)*

(To be completed by Survey Director, Agency Consultant, or for Project Reviews ONLY.)

- ☐ Not Eligible (due to ☐ lack of significance and/or ☐ lack of integrity)
- ☒ Eligible Area(s) of Significance Transportation
- Criteria Considerations Criteria A and C Period of Significance _____
- ☐ Contributes to Potential or Eligible District District Name _____

Bibliography *(Item 32; cite major references consulted. Attach additional page if needed. See Instructions, page 9.)*

Bicentennial Committee, The Old History of Salem Township, from Canal Days to Nuclear, 1776-1976. On file, McBride Memorial Library, Berwick, Pennsylvania, 1976.

Additional Information

The following must be submitted with form. Check the appropriate box as each piece is completed and attach to form with paperclip.

- ☒ Narrative Sheets—Description/Integrity and History/Significance (See Instructions, pages 13-14)
- ☒ Current Photos (See Instructions, page 10)
- ☒ Photo List (See Instructions, page 11)
- ☒ Site Map (sketch site map on 8.5x11 page; include North arrow, approximate scale; label all resources, street names, and geographic features; show exterior photo locations; See Instructions, page 11)
- ☐ Floor Plan (sketch main building plans on 8.5x11 page; include North arrow, scale bar or length/width dimensions; label rooms; show interior photo locations; See Instructions, page 11)
- ☒ USGS Map (submit original, photocopy, or download from TopoZone.com; See Instructions, page 12)

Send Completed Form and Additional Information to:

National Register Program
Bureau for Historic Preservation/PHMC
Keystone Bldg., 2nd Floor
400 North St.
Harrisburg, PA 17120-0093

ER# _____

Key # _____
ER# _____

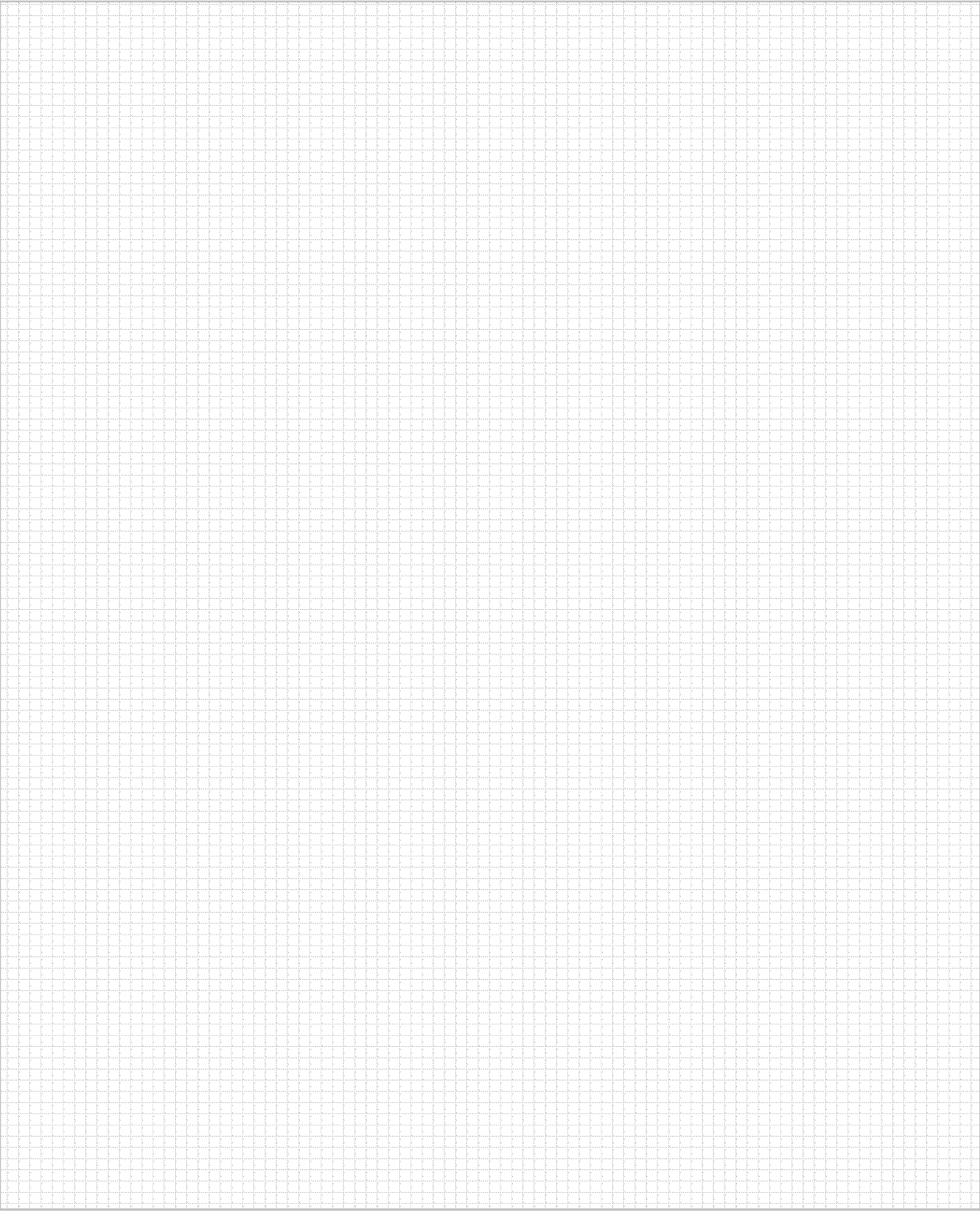
Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.

A large rectangular area filled with a fine grid of small squares, intended for sketching the site plan. The grid is composed of small squares, with larger squares forming a secondary grid pattern.

Floor Plan (Item 35)

See page 11 of the Instructions for more information regarding the floor plan. Provide a floor plan for the primary buildings, showing all additions. Label rooms and note important features. Note the date of additions. Include a North arrow and a scale bar (note if scale is approximate) or indicate width/depth dimensions. This sheet may be used to sketch a floor plan or another map/plan may be substituted.



Key # _____
ER# _____

Physical Description and Integrity (Item 38)

Provide a current description of the overall setting, landscape, and resources of the property. See page 13 of the Instructions for detailed directions. Continue on additional sheets as needed. Suggested outline for organizing this section:

- Introduction [summarize the property, stating type(s) of resource(s) and function(s)]
- Setting [describe geographic location, streetscapes, natural/man-made landscape features, signage, etc.]
- Exterior materials, style, and features [describe the exterior of main buildings/resources]
- Interior materials, style, and features [describe the interior of main buildings/resources]
- Outbuildings/Landscape [describe briefly additional outbuildings/landscape features found on property, substitute Building Complex Form if preferred; See Instructions, page 18]
- Boundaries [explain how/why boundaries chosen, such as historic legal parcel, visual natural features such as tree lines, alley separating modern construction, etc.]
- Integrity [summarize changes to the property and assess how the changes impact its ability to convey significance]

(Text entered directly into form fields will not permit formatting adjustments, such as spell checking or italicizing. Instead, you may wish to cut-and-paste text from another document into the field below; “unprotect” the document for this section, or prepare the “Physical Description and Integrity” narrative as a separate document.)

Today, there are only a limited number of readily-identifiable sections of this canal remaining. Along the Susquehanna River, north of Beach Haven, an intact section of canal survives. This canal consists of a basin and towpath (the latter currently used as a vehicle trail), located on the floodplain between the existing CSX Railroad tracks and the river. There is a spillway in the vicinity of the project area that likely serves as flood control for the canal basin.

History and Significance (Item 39)

Provide an overview of the history of the property and its various resources. Do not substitute deeds, chapters from local history books, or newspaper articles. See page 14 of the Instructions for detailed directions. Continue on additional sheets as needed. Suggested outline for organizing this section:

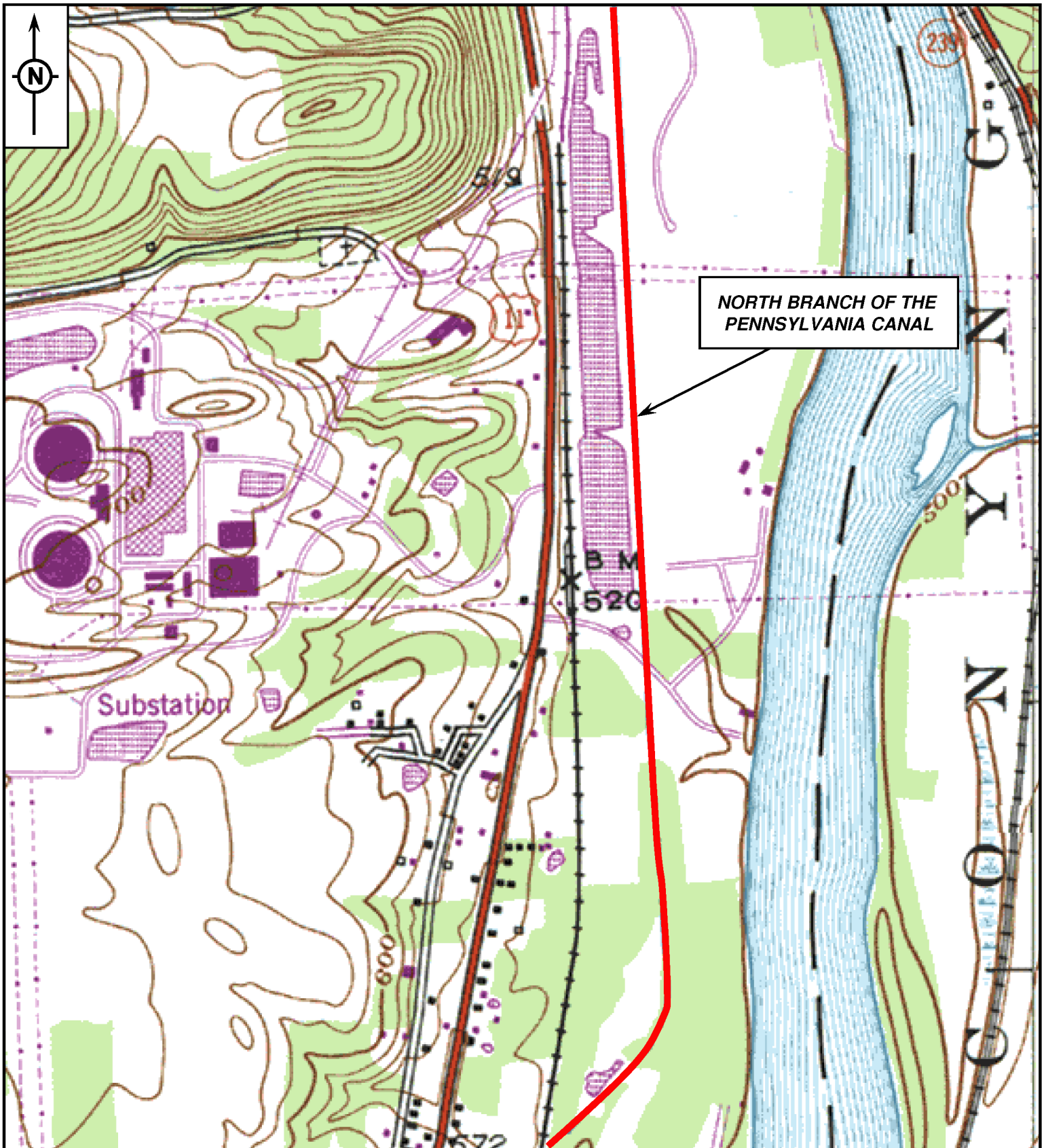
- History [Summarize the evolution of the property from origin to present]
- Significance [Explain why the property is important]
- Context and Comparisons [Describe briefly similar properties in the area, and explain how this property compares]

(Text entered directly into form fields will not permit formatting adjustments, such as spell checking or italicizing. Instead, you may wish to cut-and-paste text from another document into the field below; “unprotect” the document for this section, or prepare the “History and Significance” narrative as a separate document.)

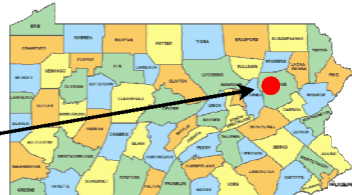
Built in 1828 as the North Branch Canal, this canal line was constructed to provide a connection between Northumberland and the New York state line. By 1858, however, the canal system was sold to the Sunbury and Erie Railroad Company. They operated a 65-mile-long section of the line from Northumberland to Wilkes-Barre. In 1869, it was sold to the Pennsylvania Canal Company, who operated it until its closure in 1901.

Beach Haven became an important node in the canal system. There were locks and scales at Beach Haven. Additionally, a boat yard at Beach Haven serviced canal boats in need of repairs. Hick’s Ferry at Beach Haven crossed the North Branch of the Susquehanna River to connect the powder works, farmers, and millers of Wapwallopen to the canal. Other local businesses, such as a tannery and a brick yard, relied on canal transportation for their profits (Bicentennial Committee 1976: 3-4).

This section of the North Branch Pennsylvania Canal reflects a clear association with the 19th-century canal- building transportation movement throughout Pennsylvania. This section of the canal retains sufficient integrity to convey its historical associations and is therefore recommended eligible for NRHP listing under Criterion A. No information could be located that connects the canal to a significant individual in local or regional history. Therefore, this resource is recommended not eligible for NRHP listing under Criterion B. The section of canal in the project vicinity retains sufficient integrity to convey the details of canal building technology in the early 19th century in eastern Pennsylvania. Therefore, it is recommended eligible for NRHP listing under Criterion C. The proposed NRHP boundary of the North Branch of the Pennsylvania Canal in the project area encompasses the main resource and includes the current Right-of-Way to its limits.



SOURCE: USGS 7.5 MINUTE BERWICK, PA
QUADRANGLE MAP, 1955 (PHOTOREVISED 1969,
1976)



PROJECT LOCATION

gai consultants

NORTH BRANCH OF THE
PENNSYLVANIA CANAL
BELL BEND NPP-1 PROJECT
LUZERNE COUNTY

gai consultants



1. Photograph 1
2. North Branch of the Pennsylvania Canal
3. Salem Township, Luzerne County
4. Canal Prism, Facing North



1. Photograph 2
2. North Branch of the Pennsylvania Canal
3. Salem Township, Luzerne County
4. Towpath and Basin, Facing North



1. Photograph 3
2. North Branch of the Pennsylvania Canal
3. Salem Township, Luzerne County
4. Canal Prism and Towpath, Facing South

Site Plan (Item 34)

See page 11 of the Instructions for more information regarding the site plan. Create a sketch of the property, showing the footprint of all buildings, structures, landscape features, streets, etc. Label all resources and streets. Include a North arrow and a scale bar (note if scale is approximate). This sheet may be used to sketch a plan or another map/plan may be substituted.

