

Supplementary Listing Record

NRIS Reference Number: BC100001935

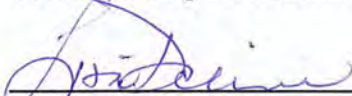
Date Listed: 12/29/2017

Property Name: Frankford Arsenal (Boundary Decrease)

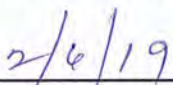
County: Philadelphia

State: PA

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



Signature of the Keeper



Date of Action

Amended Items in Nomination:

In Section 9, under Previous documentation on file (NPS), the correct survey number recorded by Historic American Engineering Record is #HAER PA-74. In addition to the overview, there are 74 subnumbers for individual resources at the arsenal. These numbers range from HAER PA-74-A to HAER PA-74-BX.

The PENNSYLVANIA SHPO was notified of this amendment.

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

NOV 16 2017

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in National Register Bulletin, *How to Complete the National Register of Historic Places Registration Form*. If any 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.

1. Name of Property

Historic name: Frankford Arsenal Boundary Decrease

Other names/site number: NA Name of related multiple property listing: N/A

2. Location

Street & number: Roughly bounded by Baird Street; Frankford Creek and the Delaware River; the c.1967 Dietz & Watson plants; and the Frankford Arsenal wall along Tacony Street

City or town: Philadelphia State: PA County: Philadelphia

Not for Publication: NA Vicinity: NA

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 at the following level(s) of significance:

national statewide local Applicable National Register Criteria: A B C D

| | |
|---|-------------------|
| <u>Andrew J. McDonald</u> | <u>11/13/2017</u> |
| Signature of certifying official/Title: | Date |
| <u>PA Historical & Museum Commission</u> | |
| State or Federal agency/bureau or Tribal Government | |
| In my opinion, the property <input type="checkbox"/> meets <input type="checkbox"/> does not meet the National Register criteria. | |
| Signature of commenting official/Title: | Date |
| State or Federal agency/bureau or Tribal Government | |

4. National Park Service Certification

I hereby certify that this property is:

- entered in the National Register
- determined eligible for the National Register
- determined not eligible for the National Register
- removed from the National Register

other: Accept Boundary Decrease

Patrick Andrews
Signature of the Keeper

12/28/2017
Date of Action

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5. Classification

Ownership of Property

Private:

Public – Local

Public – State

Public – Federal

Category of Property

Building(s)

District

Site

Structure

Object

Number of Resources within Property

Number of contributing resources previously listed in the National Register, to be removed:
Approximately 169 resources east of Baird Street (based on post-1972 documentation of the area east of Baird Street, after the property was listed) will be removed from the National Register listing for the Frankford Arsenal. At the time of listing, a full inventory of resources was not prepared, and the nomination did not note a comprehensive number of resources. There will be approximately 54 resources retained within the listed Frankford Arsenal property following this decrease (52 resources west of Baird Street, plus the extent of Tacony Street wall east of Baird, and the gun tower). A complete inventory of resources presently west of Baird Street was not possible.

6. Function or Use

Historic Functions

INDUSTRIAL – Manufacturing Facility

Current Functions (for area east of Baird Street, being removed from the listing)

VACANT/NOT IN USE

RECREATION—Outdoor (trail and boat launch)

INDUSTRIAL—Manufacturing Facility (c.2015 Dietz & Watson plant)

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Frankford Arsenal Boundary Decrease Explanation



The National Register boundary for the Frankford Arsenal property, as listed in 1972, applied to a current aerial view.

Overview

The Frankford Arsenal was listed in the National Register of Historic Places on March 16, 1972, and the nomination was later amended with Additional Documentation (1986) to clarify the property’s history and significance. The property was listed for its significant contributions to the development and supply of small arms and artillery munitions for the US military (Criterion A), as well as for its architecture and engineering merit (Criterion C). While the area of the Frankford Arsenal to the west of Baird Street continues to convey the facility’s significance, the east side no longer retains integrity due to the near-complete demolition of the buildings and structures associated with the Arsenal east of Baird Street. Therefore, the listed boundary is being reduced to the area bounded by Bridge Street, Frankford Creek,¹ Baird Street,² and Tacony Street, extending to include the Arsenal wall along Tacony Street, from Baird Street east to the current Boat Launch access road, with its incorporated machine gun tower. The area west of Baird Street retains approximately 52 resources representing all periods of development from the Frankford Arsenal’s establishment through the Korean War/Cold War eras.

¹ Frankford Creek and the Delaware River should not be considered a fixed boundary, as the course of the creek and river changes over time. In the future, readers should examine historic maps/aerials to ascertain the location of the water line at different points in time, and whether any resources may have since become partially or fully submerged.

² Baird Street was the historic name of the road extending south from Tacony Street, across from Fraley Street. It is no longer considered a road on some maps, and as development of the site continues, it may eventually be erased from the landscape.

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The recommended National Register boundary for the Frankford Arsenal property, post-reduction.

At the time the Frankford Arsenal was listed, the 99-acre complex was comprised of roughly 265 buildings and structures; no archeological sites were identified in the original nomination or amendment. Approximately 63.25 acres and 171 (roughly 64 percent) of the Arsenal’s resources were located east of Baird Street. These 171 buildings and structures had construction dates ranging from the mid-1800s through the Korean War/Cold War era, as noted in the table below and in the attached inventory. The majority of the resources east of Baird Street dated from the WWI or later eras of development. Of the 171 Arsenal resources known to exist east of Baird Street at the time of listing, only four identified resources and remnants of an underground utility system remain to reflect the Arsenal’s use of this acreage.

Resources Identified East of Baird Street by Era

| Era | # of Resources | Approximate % |
|--|-----------------------|----------------------|
| 19 th /Early 20 th Century | 9 | 5 |
| World War I | 29 | 17 |
| World War II | 86 | 58 |
| Korean War/Cold War | 25 | 15 |
| Unknown Construction Dates | 8 | 5 |

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Current aerial view showing the former location of Arsenal resources west of Baird Street razed post-c. 1975.

Roadways and sidewalks extended among the buildings, and historically there appeared to be little vegetation east of Baird Street with the exception of a few trees within the area along the Delaware River, (which contained six high explosive magazines [two from the World War I era, three from the World War II era, and one from the Korean War/Cold War era] and a medium caliber loading plant from the Korean War/Cold War era). Railroad tracks also extended through this area. A stone and brick wall extended along Tacony Street (extant); a stone and concrete block wall (no longer extant) extended along an old eastern boundary of the arsenal (roughly in line with the original access road to the Boat Launch).

The earlier buildings east of Baird Street were located between Baird Street and the current access road to the Pennsylvania Fish and Boat Commission's (PFBC) Frankford Arsenal Boat Launch parking lot; World War II-era and Korean War/Cold War-era buildings were formerly located in the portion of the Frankford Arsenal now occupied by the private Dietz & Watson complex³. The few nineteenth/early twentieth-century buildings and the larger buildings dating to the World War I era in this portion of the arsenal tended to be influenced by the Italianate style, featuring concrete foundations, patterned brickwork, and segmental arch windows. Artillery warehouses and other smaller buildings were generally reinforced concrete structures with modest decorative detailing. Buildings constructed during the World War II, Korean War, and Cold War eras made use of a variety of materials, including brick, reinforced concrete, concrete block, steel, and terra cotta tiles. These buildings generally lacked decorative elements.

Starting as early as 1975, demolition of resources east of Baird Street began. The US government closed the facility and sold the entire Arsenal property in 1983. The east portion of the former complex is now almost entirely devoid of historic resources, and largely cleared for future re-development. One large resource has

³ An earlier Dietz & Watson facility is nearby, just east of the original boundary of the nominated property.

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been constructed in the northeast corner of the property (a distribution center for Dietz & Watson, c.2015). The portion of the complex west of Baird Street remains largely intact and unaffected by demolition. The buildings are in good condition, and overall this portion of the property readily conveys its significance.

Demolition of Resources

(Unless otherwise noted, all stated functions were at time of base closure.)

A review of historic aerials and existing documentation was conducted to determine an approximate chronology of demolition for the Arsenal resources east of Baird Street.⁴ It appears that demolition within the area east of Baird Street began as early as 1975, with the most-recent demolition effort ending c.2012, prior to the Philadelphia Industrial Development Corporation's (PIDC) purchase of this portion of the Frankford Arsenal in 2014. (See Figure 5 for approximate demolition chronology.)

The first phase of demolition occurred between c.1975 and 1979, and included 14 World War II-era buildings in the northeast corner of the complex where the new Dietz & Watson building (c.2015) stands. Also included in this phase were three resources once located in the Frankford Arsenal Boat Launch area, one of which (Building 340) was a storage bunker.

The next phase of demolition occurred in the 1980s and included almost the entirety of the southeastern portion of the Arsenal complex where the new (c.2015) Dietz & Watson and Frankford Arsenal Boat Launch parking lots are located. The 31 resources removed were smaller buildings that had been constructed during the World War II and Korean War eras, and the majority served as medium caliber loading plants at the time of base closure; according to John Milner Associates' (1979) documentation, their original functions varied, and the group appeared to form some type of manufacturing complex. Twelve other smaller buildings from the same eras were also demolished during this time from the northeastern corner and central, currently vacant area, of the arsenal.

The 1990s brought the loss of 48 buildings, including some of the larger buildings within the complex. All remaining World War II era buildings at the northeast corner were demolished at this time, as well as a few older buildings towards the southeast corner. Over half of a dozen buildings to the west of the Boat Launch area were also razed. The central, currently-vacant area lost about 20 buildings as well. Four additional buildings were demolished in the 2000s, including another bunker (Building No. 337).

The largest phase of demolition occurred between the years 2010 and 2012, with the razing of 54 buildings. During these three years, nearly every remaining building east of Baird Street was demolished. Nineteen of the buildings, including the largest ones, were demolished in 2010, and 16 buildings were razed in 2011. Nineteen buildings were demolished in 2012.

There are a few remaining above-ground Arsenal resources east of Baird Street. These include a roughly 720-foot segment of the Tacony Street boundary wall, a machine gun tower (Building No. 49), the ruins of a high explosive magazine (Building No. 334), and the ruins of a laboratory storage building (Building No. 409) within the Delaware River. Post-Arsenal construction to date includes the c.2015 Dietz & Watson facility;

⁴ In addition to historic aerials available on HistoricAerials.com, Google Earth, bing.com/maps, and USGS Earth Explorer, sources included the *Historical and Archaeological Survey of Frankford Arsenal* (Milner 1979), Historic American Engineering Record reports (available through the Library of Congress' website), and correspondence and maps included in the PA SHPO's project review files; no demolition or construction permits were located.

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two buildings and landscape features associated with the c.1985-1995 Boat Launch area; a 2017 paved pedestrian trail with plantings and interpretive signage; and associated private and public parking lots.

In the former northeast corner of the complex is the private c.2015 Dietz & Watson building, the parking lot of which extends into the former southeast area of the arsenal. Along the Delaware River, the former arsenal buildings (with the exception of Building No. 334's ruins) have been replaced with parking lots and maintenance buildings for the public Frankford Arsenal Boat Launch (launch facility c.1985; maintenance buildings/original parking lot c.1995; newer parking lot c.2015). The retention pond just north of the Frankford Arsenal Boat Launch was constructed c.2015. The new public pedestrian K & T Trail opened in 2017 along the Delaware River, through the Boat Launch area.

Limited elements of the former underground utility system, which dates to the World War II and Korean War/Cold War eras, remain visible. Field survey in April 2017 noted several manhole and other openings within the ground, some of which still retain their original brick lining and covers (Photographs 1-3). There are also foundation remnants for a few buildings scattered throughout this area, including the northern foundation wall of Building 44 (a general-purpose administration building; Photograph 4), the northern walls of Buildings 60 and 61 (both inflammable materials storehouses), which appear to be attached to the Tacony Street boundary wall (Photograph 5), and the basement walls for three to four spaces of Building 301 (a heating plant; Photograph 6). These elements are considered to be less substantial remnants than the ruins of Buildings 334 and 409.

The phases of demolition for the portion of the Frankford Arsenal east of Baird Street are depicted on Figure 5; estimated demolition dates are included in the inventory below.

Resources Remaining East of Baird Street

Prior to the Frankford Arsenal's closing, the area east of Baird Street contained 171 resources associated with the Arsenal (based upon the 1986 amendment). Almost all those resources have been demolished and the remaining site cleared for future development. The few resources that remain identifiably intact are described briefly below.

Tacony Street Boundary Wall

The entire northern boundary of the Arsenal property, along Tacony Street, was historically marked by a prominent, character-defining wall, constructed of either stone, brick, or both with iron fencing. The wall remains largely intact for its historic length, from Bridge Street to the access road to the Boat Launch. There are two historic gated openings for Arsenal entrances. As the roughly 720-foot segment of the Tacony Street boundary wall east of Baird Street (Photographs 7-9) is a continuation of the historic boundary wall, it will remain within the listed boundary. From Baird Street to the machine gun tower (see below), the wall is constructed of stone with very limited concrete block infill and stuccoed portions; a wall for Buildings 60 and 61 is also visible on its south side (Photographs 5, 7, 9, and 10). This portion of the boundary wall likely dates to the mid-nineteenth century when the US government purchased the roughly 39 acres from just-east of Worth Crozier Road to the machine gun tower. From the machine gun tower to the current Boat Launch access road, the wall is constructed of brick, with iron fencing between brick columns (Photographs 8 and 9), stone coping, and round concrete finials. This section of the wall dates to c.1918/the World War I era expansion, following the US government's purchase of the approximately 28 acres between the machine gun tower and the former Frankford Arsenal Boat Launch Area access road.

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Machine Gun Tower (Building No. 49)

The brick tower at the west end of the brick section of the Tacony Street wall was built c.1918 during the World War I era of the Arsenal's expansion and served as a surveillance station (Photographs 10-12). It is highly visible and eye-catching, with arched openings and a crenallated top. The tower retains integrity, especially aspects of design, materials, and workmanship, despite the loss of some brick around the doorway and the near ruinous condition of the interior. John Milner Associates (1979:317-318) considered the machine gun tower significant for providing a "strong image of time and place" for its use of the "fortress gothic style," which was appropriate for the Arsenal, as well as its use of brick instead of stone, a reflection of cost efficiency and up-to-date technology.

Laboratory Storage (Building No. 409)

Building No. 409 was constructed c.1946, during the World War II era expansion of the complex (Photographs 13-14). The building served as a laboratory storage area; based on a review of historic aerials, the structure was historically connected to the shore by a pier and was (and is) located in the Delaware River. Available documentation did not reveal any specific information about its construction, other than the date and that it was fitted with gate valves and steel bulwarks. This building is currently in a ruinous state, consisting of a concrete pad with a small portion of a concrete block wall still extant.

High Explosive Magazine Bunker (Building No. 334)

Historically, there were three bunkers in the area where the Frankford Arsenal Boat Launch is located: Building Nos. 334 and 337, both dating to c.1917/the World War I era expansion, and 340 (c.1940). Each served as a high explosive magazine, a "high explosive" being a munition with a rapid burn rate. Based on the depiction of these buildings on historic aerials and plans of the arsenal, it appears they were comprised of a roughly 26-foot by 50-foot one-story building surrounded by a poured concrete blast wall; one side of the blast wall was separate from the remaining sides, and it appears the openings created by this design were fitted with some type of gate. No traces of Building Nos. 337 and 340 remain on site. Building No. 334 is currently in a ruinous state (Photographs 15-18). Its remains consist of the three-sided blast wall, standing roughly 3-4 feet in height, and the separate north side of the blast wall, at about 6-7 feet in height; the latter has been fitted with barbed wire.

Archaeological Resources

Archaeological monitoring was not conducted during the demolition of above-ground resources in the area east of Baird Street. Nearby development activities associated with the construction of parking lots and the Dietz and Watson facility also involved no archaeological monitoring. Recent field surveys of the Arsenal property east of Baird Street reveal the presence of an underground utility system and foundation remnants. It can be said with confidence that activities to raze buildings and above-ground structures were substantial, but the extent of ground disturbance is not clear. To date no archaeological features (other than building ruins noted above, or the remnants of the underground utility system) have been identified. The Frankford Arsenal was not listed under Criterion D, and existing documentation has not suggested the ability of the property to yield further important information through future study. It may be appropriate to amend the listing in the future if further research would support nomination under Criterion D for other areas of significance, but existing documentation does not support such an amendment.

Conclusion

The current National Register-listed boundary for the Frankford Arsenal property encompasses areas that have undergone extensive demolition since c.1975, specifically the area of the Arsenal property east of

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Baird Street. The removal of resources in the eastern half of the Arsenal has eliminated most evidence that formerly conveyed this portion of the property's history and significance under Criteria A and C in the areas of military, architecture, and engineering. An appropriate reduced boundary for the listed property (Figure 2) has been defined that is limited to the Arsenal property west of Baird Street and the Tacony Street wall and tower. Those remaining resources and setting retain sufficient integrity to convey the significance of the Arsenal as a pioneer in munitions research and development, its ongoing importance to the military, and for its architectural and engineering merit.

Major Bibliographical References

In addition to the existing National Register nomination for the Frankford Arsenal and documentation on file at the PA SHPO, these two resources supported this Boundary Decrease documentation:

John Milner Associates

1979 Historical and Archaeological Survey of Frankford Arsenal, Philadelphia, Pennsylvania. Volumes I and II. Report prepared for Army Corps of Engineers Baltimore District by John Milner Associates (E.R. #1981-101-0180).

O'Bannon, Patrick

1988 "Written Historical and Descriptive Data." *Frankford Arsenal, HAER No. PA-74*. On file at the Library of Congress, Historic American Engineering Record collection.
<http://www.loc.gov/pictures/collection/hh/>.

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 # HAER PA,51-PHILA,693
- recorded by Historic American Landscape Survey # _____

Primary location of additional data:

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other: Name of repository: Library of Congress; National Archive

Historic Resources Survey Number (if assigned): NRIS 72001153

Geographical Data

Acreeage of Property: 63.25 acres to be removed from the listing (35.75 acres will remain listed)

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Latitude/Longitude Coordinates for a polygon encompassing the area to be removed (not points on the actual decrease boundary; not points depicting the area to remain listed):

Latitude/Longitude:

- A. 40.009612, -75.064197
- B. 40.006075, -75.062732
- C. 40.005085, -75.057686
- D. 40.007466, -75.055564
- E. 40.011854, -75.059483

Verbal Boundary Description

The area to be removed from the National Register listing consists of the area east of Baird Street, between the Arsenal wall along Tacony Street and the Frankford Creek/Delaware River, extending east to the former eastern boundary of the Arsenal property. (See Figure 1 for the as-listed boundary.) The wall and gun tower along Tacony Street will remain within the listed boundary, and are excluded from the boundary reduction. The reduced boundary is depicted in Figure 2.

Boundary Justification

The area described above, east of Baird Street, has been almost entirely cleared of all buildings, structures, and landscape or site features formerly associated with the Arsenal. A few building ruins remain, as do elements of an underground utility system. The only intact resources remaining are the section of wall that extends east of Baird Street along Tacony Street, and its associated gun tower. The wall and tower will be retained within the listed boundary. With the exception of the wall and tower, the acreage east of Baird Street can no longer convey any significance related to the Arsenal’s history or evolution.

Form Prepared By

Patricia Slovinac, A.D. Marble, with PA SHPO staff
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pslovinac@admarble.com

Additional Documentation

Photograph Log

Photographer: Russell Stevenson, A.D. Marble
Date(s) Photographed: April 13, 2017

| <i>Photo #</i> | <i>Description of Photograph</i> |
|----------------|--|
| 1 | View of one of the historic openings to the underground utilities network, facing northeast. Building No. 72 (tunnel entrance) historically covered this opening. Building No. 72 was demolished c.2007. |
| 2 | View of a manhole leading to the underground utilities network and cover, facing southwest. Note the brick lining of the manhole and the “F A P” on the cover. |
| 3 | View of tunnel opening likely leading into the underground utilities network, facing southeast. |
| 4 | View of the foundation remnants of Building No. 44 (General Purpose Administration Building), facing east. Note the concrete block infill within the Tacony Street boundary wall near the center of |

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| | the photo. Building No. 44 was demolished c.2010. |
| 5 | View of what was historically the north wall of Building Nos. 60 and 61 (both, Inflammable Materials Storehouses), facing northwest. Note how it appears to be attached to the stone boundary wall along Tacony Street. Building Nos. 60 and 61 were demolished c.1980. |
| 6 | View of the remaining basement walls of Building No. 301 (Heating Plant), facing southeast. This building was demolished c.2012. |
| 7 | View of the Machine Gun Tower (Building No. 49) and the north face of the Tacony Street boundary wall, facing northwest. Note the steel plate cover toward the right of the photograph. |
| 8 | View of the Machine Gun Tower (Building No. 49) and the north face of the Tacony Street boundary wall, facing southeast. |
| 9 | View of the south face of the Tacony Street boundary wall, facing northeast. Note the remains of Building Nos. 60 and 61 (both Inflammable Materials Storehouses) to the left (within the stone portion) and the Machine Gun Tower (Building No. 49) just right of center. Building Nos. 60 and 61 were demolished c.1980. |
| 10 | View of the Machine Gun Tower (Building No. 49), facing northwest. |
| 11 | View of the Machine Gun Tower (Building No. 49), facing northeast. Note the missing brick to the top left side of the doorway. |
| 12 | View of the interior of the Machine Gun Tower (Building No. 49). Note the collapsed state of the wood floor (front right) and the holes in the upper floor just to the left of center. |
| 13 | View of the Building 409 (Laboratory Storage) ruins within the Delaware River, facing southeast. Note the collapsing wall to the left. |
| 14 | View of the Building 409 (Laboratory Storage) ruins within the Delaware River, facing southwest. Note the collapsed sections lying around and the tree growing through the concrete. |
| 15 | View of the Building No. 334 (High Explosive Magazine) ruins, facing northwest. The visible walls are about 3-4 feet in height; note the doorway-type opening toward the right of the photograph. |
| 16 | View of the Building No. 334 (High Explosive Magazine) ruins, facing northeast. Note the small section of wall that retains its historic finished surface just left of center, and the brick infill to the right of center. |
| 17 | View of the Building No. 334 (High Explosive Magazine) ruins, facing west. Note the small section of brick infill at the left. The separate, north blast wall, which stands 6-7 feet in height, is visible in the back right. |
| 18 | View of the Building No. 334 (High Explosive Magazine) ruins, facing west. Note the gap between the west and north parts of the blast wall. Just visible are what appear to be iron mounts for some type of gate. |
| 19 | Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing east. The circa-2015 Dietz & Watson building that sits within the northeast corner of the old arsenal property is visible in the center background. The building in the left background is another Dietz & Watson building (c.1995) that is outside of the former arsenal boundary. |
| 20 | Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing southeast. The Boat Launch Area is located behind the line of vegetation to the right. |
| 21 | Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing southwest. Extant buildings to the west of Baird Street are just visible to the right. |
| 22 | Overall view of the extant area of the Frankford Arsenal from the shoreline south of Baird Street, facing northwest. The vacant portion of the old arsenal is just visible to the right. |

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| 23 | Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast. Some of the extant buildings are visible to the left, as is Baird Street. |
| 24 | Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast. |
| 25 | Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast. Rubble from the demolition of the complex is visible to the right. |
| 26 | Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing west. The Tacony Street boundary wall and the Machine Gun Tower (Building No. 49) are visible to the right; the extant portion of the arsenal is visible in the background. |
| 27 | Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing southwest. The extant portion of the arsenal is just visible to the right. |
| 28 | Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing southwest. The access road and the new Dietz & Watson building are just visible to the left. |
| 29 | Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is just visible at the left; the Tacony Street boundary wall is visible in the background. |
| 30 | Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is visible in the background. |
| 31 | Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is just visible at the right; Frankford Creek is behind the tree line. |
| 32 | Overall view of the now-vacant area of the Frankford Arsenal, facing southwest. Frankford Creek is behind the tree line. |
| 33 | Overall view of the now-vacant area of the Frankford Arsenal, facing southeast. The Boat Launch Area is in the background behind the tree line; the retention pond is located just in front of the trees. Maintenance buildings associated with the Boat Launch Area are visible to the left. |
| 34 | Overall view of the now-vacant and redeveloped areas of the Frankford Arsenal, facing southeast. The older Dietz & Watson building (c.1995) located outside of the arsenal boundaries is to the left; the new (c.2015) Dietz & Watson and Boat Launch Area parking lots are in the center; the Boat Launch Area is to the right. |
| 35 | Overall view of the redeveloped area of the Frankford Arsenal, facing east. The new Dietz & Watson Building (c.2015) is visible at the left; its parking lot is in the center and right; and the old Dietz & Watson building is in the background. |
| 36 | Overall view of the now-vacant and redeveloped areas of the Frankford Arsenal, facing northeast. The Tacony Street boundary wall is visible in the left background; the new Dietz & Watson building is to the right. |
| 37 | Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The circa-2015 retention pond is to the left behind the chain-link fence; the extant portion of the arsenal is visible in the background. |
| 38 | Overall view of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is visible to the far left; the now-vacant area is visible to the left and center; and the redeveloped portion is visible to the right. |
| 39 | Overall view of the Frankford Arsenal, facing northeast. The now-vacant area is visible to the left, and |

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| | the redeveloped portion is visible to the center and right. |
| 40 | Overall view of the redeveloped portion of the Frankford Arsenal, facing northeast. The new parking lot for the Boat Launch Area is visible to the left; the access road is in the foreground. |
| 41 | Overall view of the current Boat Launch Area along the new K&T Trail (c.2017), facing northeast. The Building No. 334 (High Explosive Magazine) ruins are visible to the left; the retaining wall to the right appears to date to after the arsenal closed down. The Boat Launch Area maintenance building is visible in the right background; the utility shed is to its left on the south (right) side of the trail. |
| 42 | Overall view of the current Boat Launch Area from along the new K&T Trail (c.2017), facing east. The Boat Launch Area maintenance building and utility shed are visible in the left background. |
| 43 | Overall view of the bank of the Delaware River, facing southwest. Building No. 409 (Laboratory Storage) is visible to the left; a sea wall that appears to be contemporary with the arsenal is visible to the right. The Boat Launch Area maintenance building is also visible to the right. |

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| <i>Fig.#</i> | <i>Description of Figure</i> |
|--------------|--|
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| 2 | Recommended National Register-listed boundary, post-reduction. |
| 3 | Current Photograph Locations, showing area to be removed from listed boundary. |
| 4 | Location of resources formerly in area east of Baird Street, shown on a current aerial view. All buildings and structures other than 334, 409, and the wall and gun turret (49) along Tacony Street have been razed. |
| 5 | Demolition Phases for area east of Baird Street. |
| 6 | USGS map excerpt showing polygon encompassing Boundary Decrease |

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Photograph 1: View of one of the historic openings to the underground utilities network, facing northeast. Building No. 72 (tunnel entrance) historically covered this opening. Building No. 72 was demolished c.2007.



Photograph 2: View of a manhole leading to the underground utilities network and cover, facing southwest. Note the brick lining of the manhole and the "F A P" on the cover.

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Photograph 3: View of tunnel opening likely leading into the underground utilities network, facing southeast.



Photograph 4: View of the foundation remnants of Building No. 44 (General Purpose Administration Building), facing east. Note the concrete block infill within the Tacony Street boundary wall near the center of the photo. Building No. 44 was demolished c.2010.

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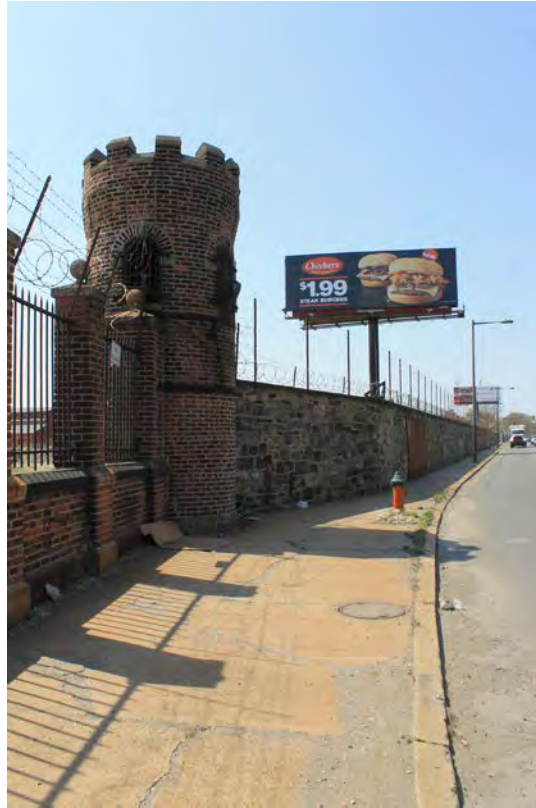
Photograph 5: View of what was historically the north wall of Building Nos. 60 and 61 (both, Inflammable Materials Storehouses), facing northwest. Note it appears to be attached to the stone boundary wall along Tacony Street. Building Nos. 60 and 61 were demolished c.1980.



Photograph 6: View of the remaining basement walls of Building No. 301 (Heating Plant), facing southeast. This building was demolished c.2012.

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Photograph 7: View of the Machine Gun Tower (Building No. 49) and the north face of the Tacony Street boundary wall, facing northwest. Note the steel plate cover toward the right of the photograph.



Photograph 8: View of the Machine Gun Tower (Building No. 49) and the north face of the Tacony Street boundary wall, facing southeast.

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Photograph 9: View of the south face of the Tacony Street boundary wall, facing northeast. Note the remains of Building Nos. 60 and 61 (both Inflammable Materials Storehouses) to the left (within the stone portion) and the Machine Gun Tower (Building No. 49) just right of center. Building Nos. 60 and 61 were demolished c.1980.



Photograph 10: View of the Machine Gun Tower (Building No. 49), facing northwest.

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Photograph 11: View of the Machine Gun Tower (Building No. 49), facing northeast. Note the missing brick to the top left side of the doorway.



Photograph 12: View of the interior of the Machine Gun Tower (Building No. 49). Note the collapsed state of the wood floor (front right) and the holes in the upper floor just to the left of center.

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Photograph 13: View of the Building 409 (Laboratory Storage) ruins within the Delaware River, facing southeast. Note the collapsing wall to the left.



Photograph 14: View of the Building 409 (Laboratory Storage) ruins within the Delaware River, facing southwest. Note the piled collapsed sections and the tree growing through the concrete.

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Photograph 15: View of the Building No. 334 (High Explosive Magazine) ruins, facing northwest. The visible walls are about 3-4 feet in height; note the doorway-type opening toward the right of the photograph.



Photograph 16: View of the Building No. 334 (High Explosive Magazine) ruins, facing northeast. Note the small section of wall that retains its historic finished surface just left of center, and the brick infill to the right of center.

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Photograph 17: View of the Building No. 334 (High Explosive Magazine) ruins, facing west. Note the small section of brick infill at the left. The separate, north blast wall, which stands 6-7 feet in height, is visible in the back right.



Photograph 18: View of the Building No. 334 (High Explosive Magazine) ruins, facing west. Note the gap between the west and north parts of the blast wall. Just visible are what appear to be iron mounts for some type of gate.

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Photograph 19: Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing east. The circa-2015 Dietz & Watson building that sits within the northeast corner of the old arsenal property is visible in the center background. The building in the left background is another Dietz & Watson building (c.1995) that is outside of the former arsenal property.



Photograph 20: Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing southeast. The Boat Launch Area is located behind the line of vegetation to the right.

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Photograph 21: Overall view of the now-vacant area of the Frankford Arsenal from Baird Street, facing southwest. Extant buildings to the west of Baird Street are just visible to the right.



Photograph 22: Overall view of the extant area of the Frankford Arsenal from the shoreline south of Baird Street, facing northwest. The vacant portion of the old arsenal is just visible to the right.

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Photograph 23: Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast. Some of the extant buildings are visible to the left, as is Baird Street.



Photograph 24: Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast.

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Photograph 25: Overall view of the now-vacant area of the Frankford Arsenal from the southwest corner, facing northeast. Rubble from the demolition of the complex is visible to the right.



Photograph 26: Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing west. The Tacony Street boundary wall and the Machine Gun Tower (Building No. 49) are visible to the right; the extant portion of the arsenal is visible in the background.

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Photograph 27: Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing southwest. The extant portion of the arsenal is just visible to the right.



Photograph 28: Overall view of the now-vacant area of the Frankford Arsenal from the intersection of Tacony Street and the current Boat Launch Area access road, facing southwest. The access road and the new Dietz & Watson building are just visible to the left.

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Photograph 29: Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is just visible at the left; the Tacony Street boundary wall is visible in the background.



Photograph 30: Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is visible in the background.

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Photograph 31: Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is just visible at the right; Frankford Creek is behind the tree line.



Photograph 32: Overall view of the now-vacant area of the Frankford Arsenal, facing southwest. Frankford Creek is behind the tree line.

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Photograph 33: Overall view of the now-vacant area of the Frankford Arsenal, facing southeast. The Boat Launch Area is in the background behind the tree line; the retention pond is located just in front of the trees. Maintenance buildings associated with the Boat Launch Area are visible to the left.



Photograph 34: Overall view of the now-vacant and redeveloped areas of the Frankford Arsenal, facing southeast. The older Dietz & Watson building (c.1995) located outside of the arsenal boundaries is to the left; the new (c.2015) Dietz & Watson and Boat Launch Area parking lots are in the center; the Boat Launch Area is to the right.

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Photograph 35: Overall view of the redeveloped area of the Frankford Arsenal, facing east. The new Dietz & Watson Building (c.2015) is visible at the left; its parking lot is in the center and right; and the old Dietz & Watson building is in the background.



Photograph 36: Overall view of the now-vacant and redeveloped areas of the Frankford Arsenal, facing northeast. The Tacony Street boundary wall is visible in the left background; the new Dietz & Watson building is to the right.

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Photograph 37: Overall view of the now-vacant area of the Frankford Arsenal, facing northwest. The circa-2015 retention pond is to the left behind the chain-link fence; the extant portion of the arsenal is visible in the background.



Photograph 38: Overall view of the Frankford Arsenal, facing northwest. The extant portion of the arsenal is visible to the far left; the now-vacant area is visible to the left and center; and the redeveloped portion is visible to the right.

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Photograph 39: Overall view of the Frankford Arsenal, facing northeast. The now-vacant area is visible to the left, and the redeveloped portion is visible to the center and right.



Photograph 40: Overall view of the redeveloped portion of the Frankford Arsenal, facing northeast. The new parking lot for the Boat Launch Area is visible to the left; the access road is in the foreground.

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Photograph 41: Overall view of the current Boat Launch Area along the new K&T Trail (c.2017), facing northeast. The Building No. 334 (High Explosive Magazine) ruins are visible to the left; the retaining wall to the right appears to date to after the arsenal closed. The Boat Launch Area maintenance building is visible in the right background; the utility shed is to its left on the south (right) side of the trail.



Photograph 42: Overall view of the current Boat Launch Area from along the new K&T Trail (c.2017), facing east. The Boat Launch Area maintenance building and utility shed are visible in the left background.

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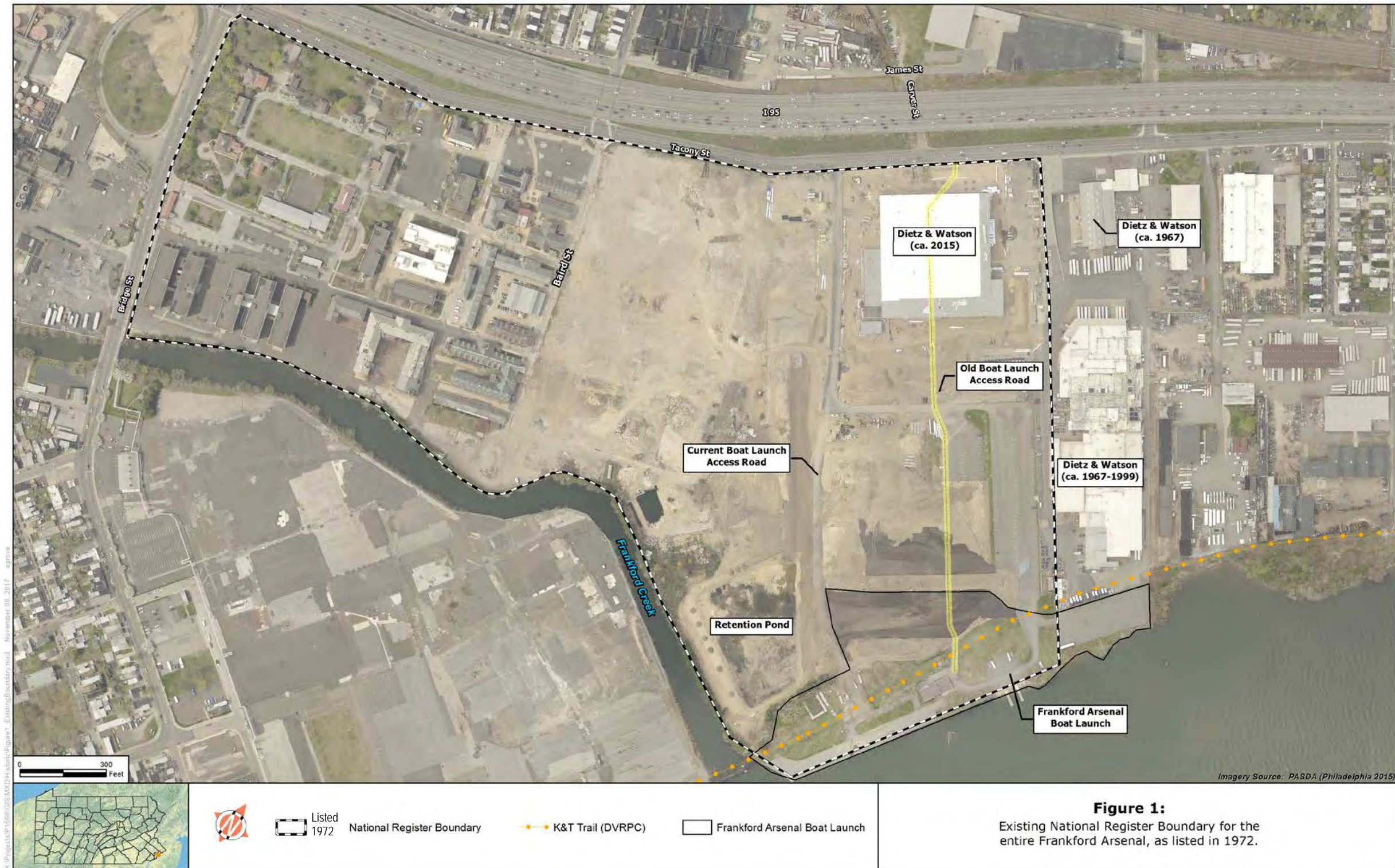
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Photograph 43: Overall view of the bank of the Delaware River, facing southwest. Building No. 409 (Laboratory Storage) is visible to the left; a sea wall that appears to be contemporary with the arsenal is visible to the right. The Boat Launch Area maintenance building is also visible to the right.

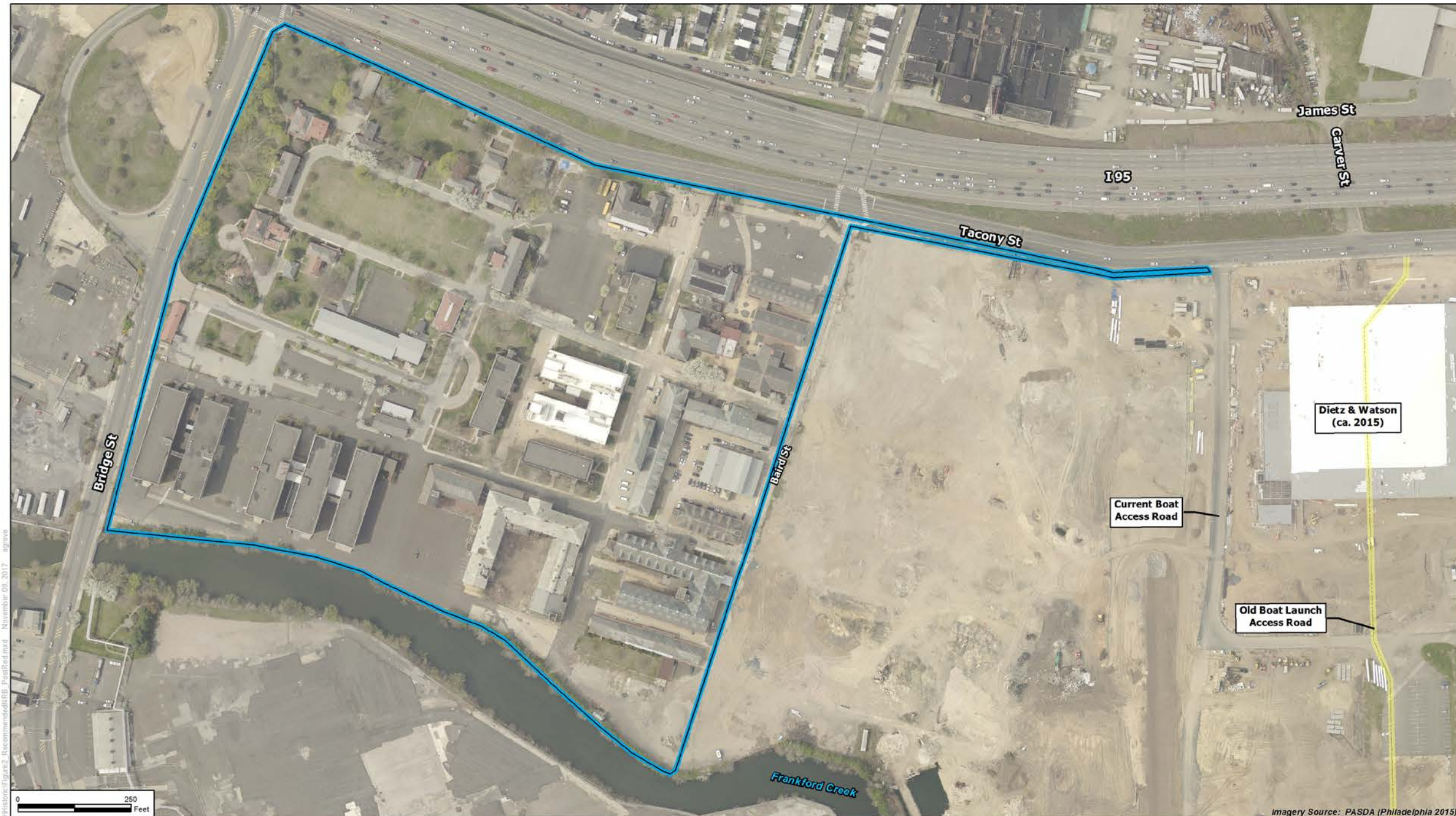
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X:\Projects\1560\GIS\MXD\Historic\Figure2_RecommendedNRB_PostRed.mxd November 08, 2017 approve



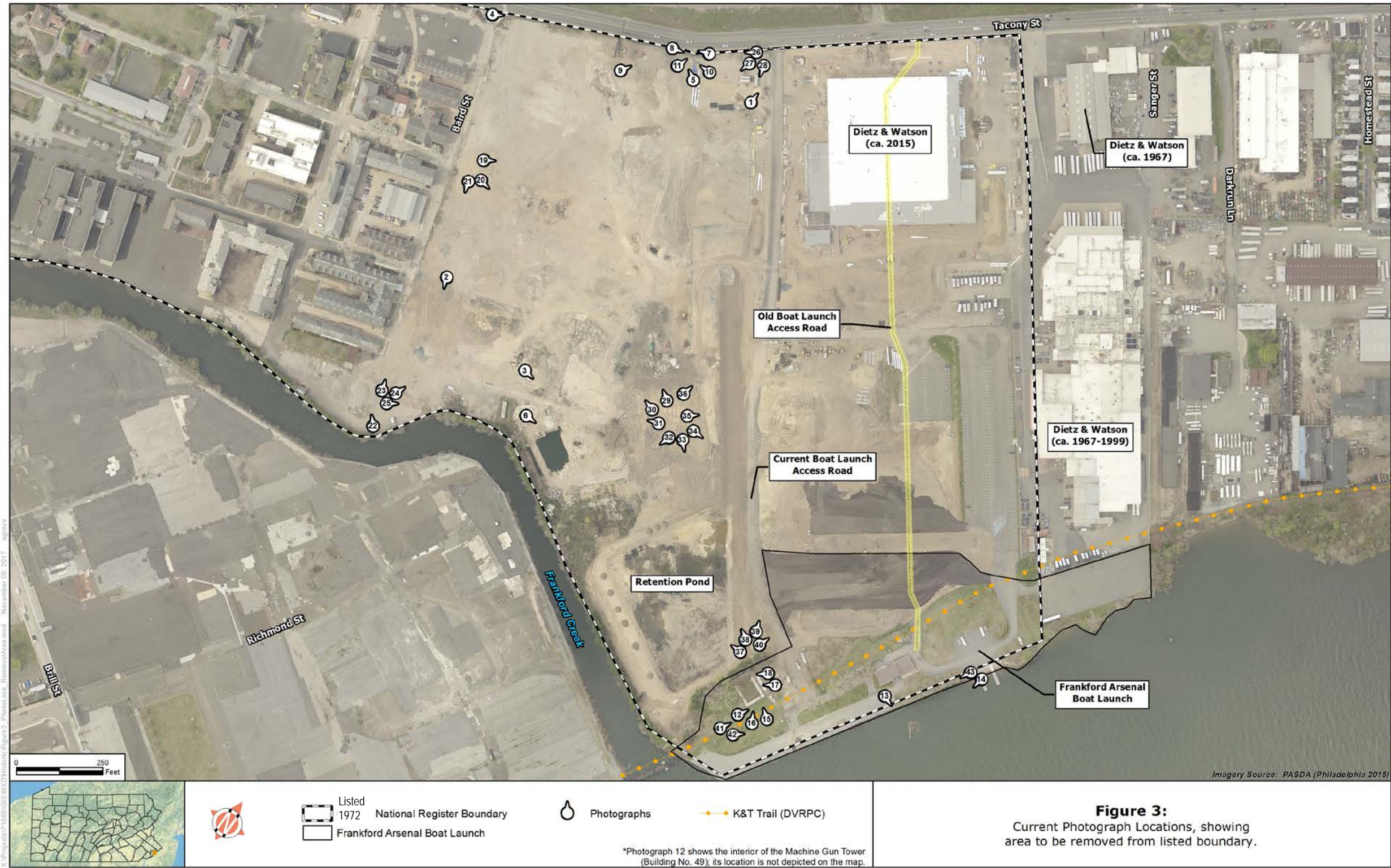
 Recommended National Register Boundary

The revised boundary for the Frankford Arsenal is defined as Bridge Street (west), Frankford Creek (south), Baird Street (east), and Tacony Street (north); included in the district is the historic wall and machine gun tower that extends along Tacony Street to the Frankford Arsenal Boat Launch access road.

Figure 2:
Recommended National Register-listed boundary, post-reduction.

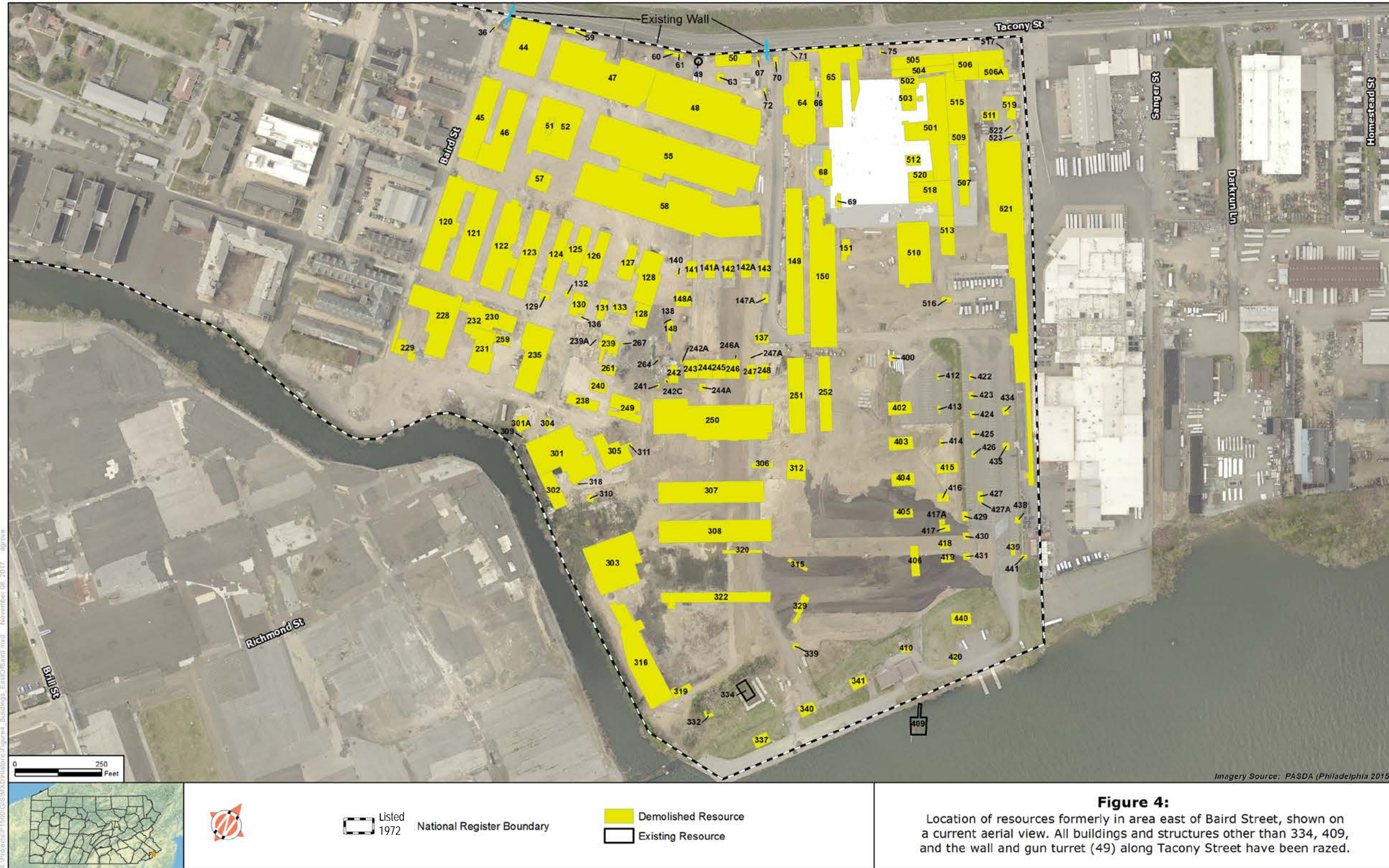
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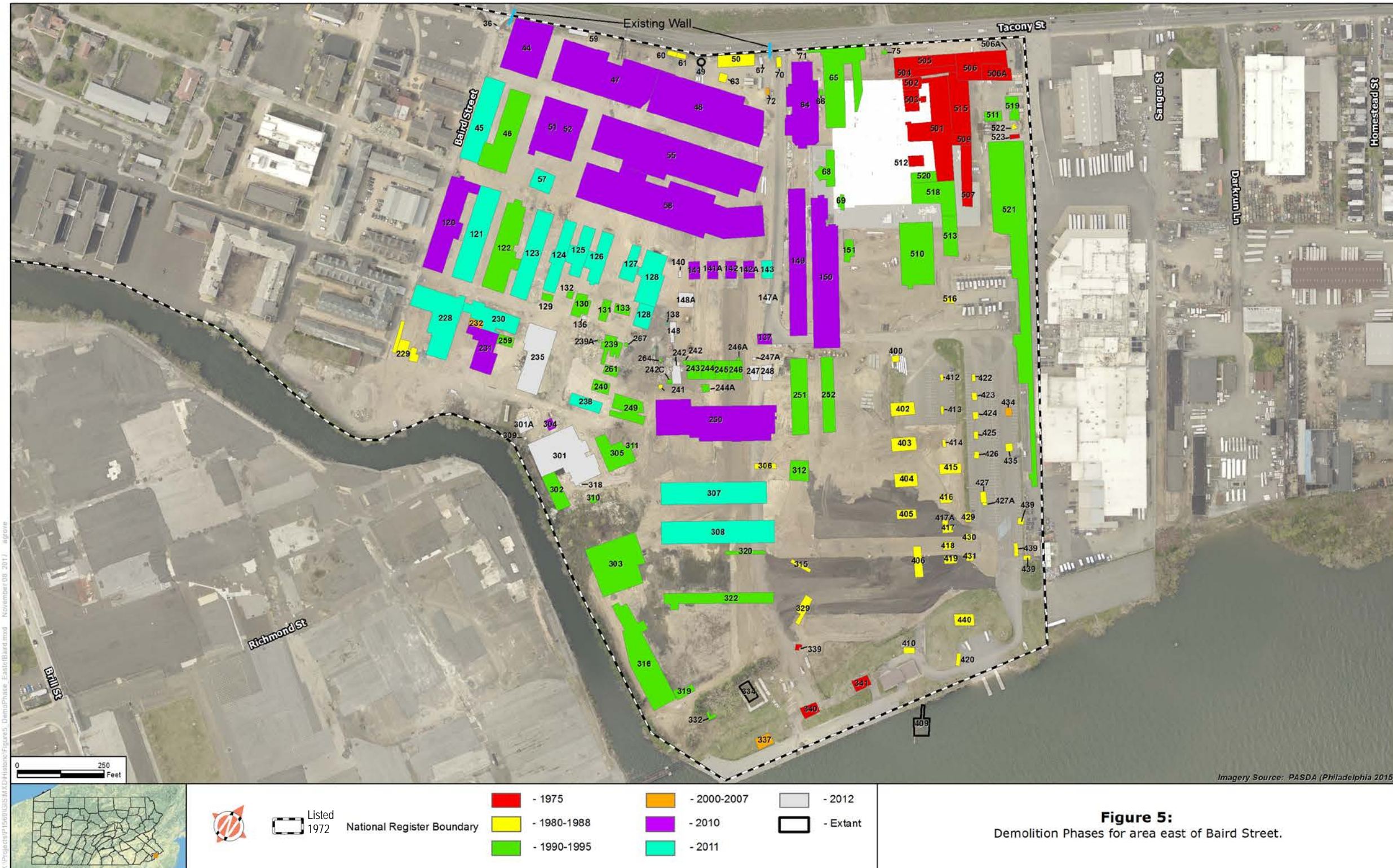
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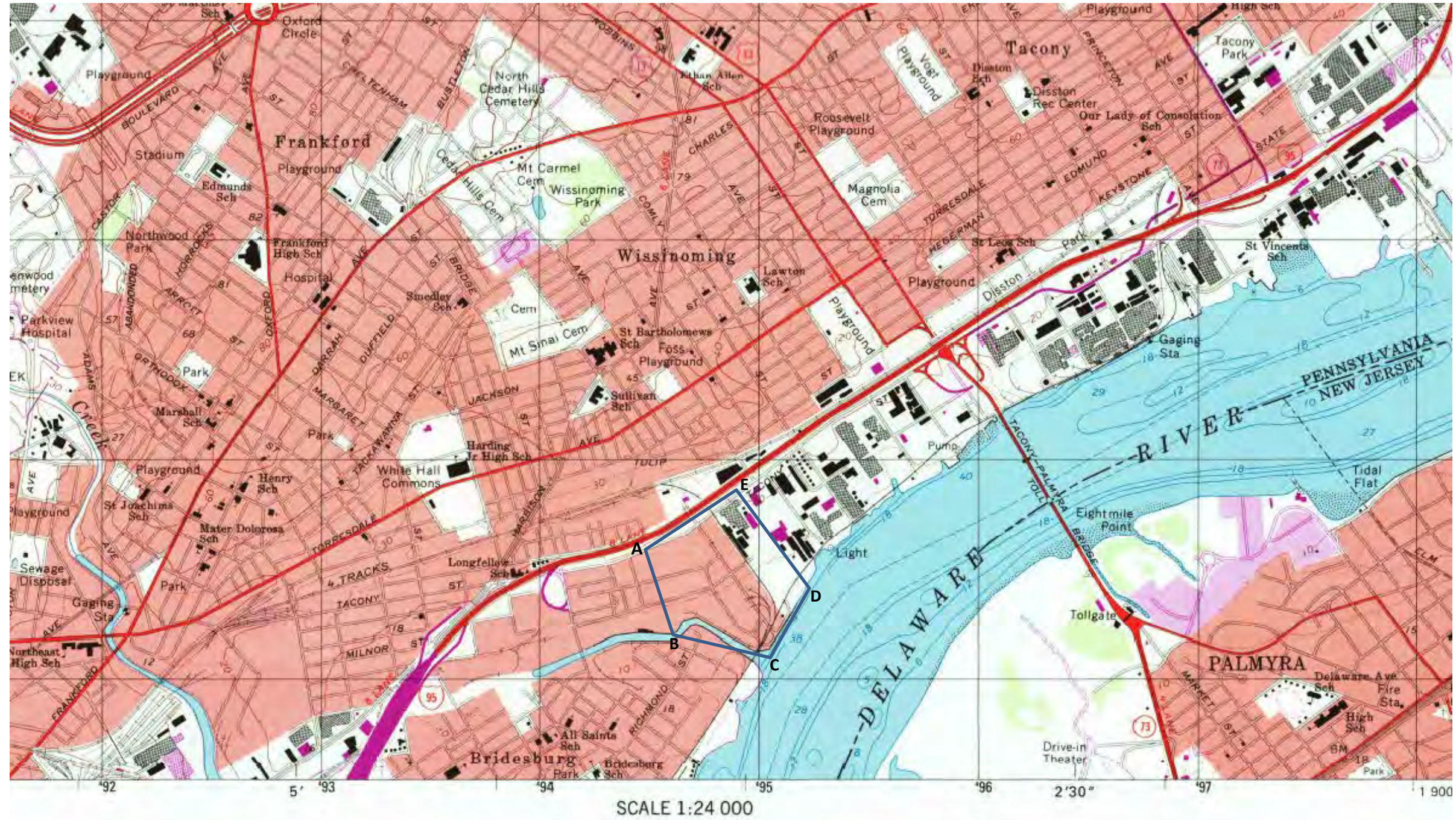


Figure 6: USGS map, Frankford PA-NJ 1997 Quadrangle excerpt, showing polygon encompassing the area east of Baird Street *to be removed* from the National Register listing.

A. 40.009612, -75.064197; B. 40.006075, -75.062732; C. 40.005085, -75.057686; D. 40.007466, -75.055564; E. 40.011854, -75.059483

The portion of the Arsenal property west of Baird Street, and the wall (and gun tower) along Tacony Street extending east of Baird, will remain within the listed boundary.

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Inventory

| HISTORIC and CURRENT ABOVE-GROUND RESOURCES EAST of BAIRD STREET on FORMER FRANKFORD ARSENAL PROPERTY (Includes PIDC, FISH & BOAT, and DIETZ & WATSON-owned properties built following closure of Arsenal facility; yellow shading indicates extant resource or substantial ruin) | | | | | | | | |
|--|---|------------|--|--|-------------|--------------|---|---|
| Building # | Function at Closure (1978) | Build Date | Construction Materials (*based on c.2010 bird's eye view at bing.com/maps; **from available 1988 HAER reports) | # Stories (mostly per Milner 1979; some from 1988 HAER reports or bing.com/maps) | Demo Status | Date of Demo | Source of Identification | Additional Notes |
| 44 | Administration Building-General Purpose | c.1953 | concrete masonry walls, flat roof* | 3 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | See photo 4 for remaining evidence, post-demo |
| 45 | Guidance Equipment Plant | c.1919 | brick walls, gable roof* | 3 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 46 | Guidance Equipment Plant | c.1915 | brick walls, concrete foundation, gable roof w/ slate** | 3 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 47 | Major Caliber Projectile Loading Plant | c.1917 | brick walls, monitor roof* | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 48 | Major Caliber Projectile Loading Plant | c.1920 | brick walls, monitor roof* | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 49 | Machine Gun Tower | c.1918 | brick walls, concrete foundation, flat roof w/crenellations | 3 | No | NA | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | Integrated into the wall along Tacony Street, but considered an individual resource; being retained (with the wall) within the listed boundary, as the wall extends west of Baird Street, the wall and tower retain integrity, and are visually prominent pieces of the Arsenal |
| 50 | Spray Pond | c.1941 | unknown | -- | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 51 | Finance Administration Building | c.1918 | brick walls, gable roof* | 3 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 52 | Finance Administration Building | c.1917 | brick walls, gable roof* | 3 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 55 | Major Caliber Loading Plant | c.1921 | brick walls, flat roof w/ penthouse-type areas* | 3 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 56 | Sentry Station | c.1945 | wood frame walls, gable roof* | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 57 | Dispensary without Beds | c.1868 | unknown walls, hip roof* | 3 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 58 | Major Caliber Projectile Loading Plant | c.1921 | brick walls, flat roof w/ penthouse-type areas* | 3 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |

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|-----|--|--------|--|----|-----|-------------------|---|--|
| 59 | Inflammable Materials Storehouse | c.1943 | brick/hollow tile walls, concrete foundation, flat composition roof w/ 6 vents** | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 60 | Inflammable Materials Storehouse | c.1941 | brick walls, flat roof* | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | See photo 5 for remaining evidence |
| 61 | Inflammable Materials Storehouse | c.1947 | brick walls, flat roof* | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | See photo 5 for remaining evidence |
| 63 | Oil Tanks | c.1942 | unknown | -- | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 64 | Laboratory & Test Building-General Purpose | c.1921 | concrete masonry walls, flat roof* | 5 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 65 | Laboratory & Test Building-General Purpose | c.1918 | brick/asebestos shingle walls, concrete foundation, flat composition roof; concrete parapet/granite trim** | 2 | Yes | c.1990/ c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 66 | Inflammable Materials Storehouse | c.1918 | frame walls w/ asbestos shingles, concrete foundation, gable roof w/ asphalt shingle** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 67 | Sentry Station | c.1945 | wood frame walls, gable roof* | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 68 | Chemistry Laboratory | c.1942 | brick/concrete walls, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | loading platform c.1942; northern entry/switch room c.1951; reinforced concrete magazine (unk. date) |
| 69 | High Explosive Magazine Bulk | c.1943 | concrete walls* | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 70 | Sentry Station | c.1954 | unknown | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 71 | Sentry Station | c.1945 | wood frame walls, gable roof* | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 72 | Tunnel Entrance | c.1963 | brick walls, concrete foundation, flat composition roof** | -- | Yes | c.2007 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | See photo 1 for remaining evidence; presumably related to underground utility system |
| 75 | Sentry Station | c.1940 | unknown | 1 | Yes | c.1990 | Demolition Plan in SHPO Files-Key No. 001378 | |
| 120 | Medium Caliber Projectile Loading Plant | c.1905 | brick walls, gable roof* | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 121 | Medium Caliber Projectile Loading Plant | c.1910 | brick walls, gable roof* | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 122 | Medium Caliber Projectile Loading Plant | c.1912 | unknown | 2 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 123 | Facility Engineering Maintenance Shop | c.1914 | brick walls, gable roof* | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 124 | Facility Engineering Maintenance Shop | c.1940 | brick walls, cross-gable roof* | 2 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |

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|------|--|--------|---|---------|-----|--------|---|---|
| 125 | Facility Engineering Maintenance Shop | c.1941 | brick walls, cross-gable roof* | 2 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 126 | Engineer Administration Building | c.1942 | brick walls, cross-gable roof* | 3 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 127 | Laboratory & Test Building-General Purpose | c.1938 | brick walls, gable roof* | 2 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 128 | Substation | c.1942 | brick walls, flat roof* | 2 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 129 | General Purpose Warehouse | c.1941 | wood frame walls w/ widely-spaced vertical board/corrugated metal siding, concrete foundation** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | addition to c.1860 frame bldg demolished c.1969 |
| 130 | Facility Engineering Maintenance Shop | c.1938 | brick walls, concrete foundation, gable roof w/ slate** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | replaced c.1912 frame structure; east addition c.1942 |
| 131 | Administration Building-General Purpose | c.1941 | wood frame walls, hip roof w/asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 132 | Construction Shop Annex | c.1941 | unknown | unknown | Yes | c.1990 | Frankford Arsenal Buildings-Shape Files provided by Corps | |
| 133 | Facility Engineering Maintenance Shop | c.1942 | frame/stuccoed hollow tile walls, hip roof w/asbestos shingle** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 136 | Tunnel Entrance | c.1945 | unknown | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 137 | Tunnel Entrance | c.1945 | wood frame walls w/ asbestos/metal siding, gable roof w/ asbestos shingles** | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 138 | Tunnel Entrance | c.1945 | wood frame walls w/ asbestos shingles, gable roof w/ asbestos shingles** | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 140 | Medium Caliber Projectile Loading Plant | c.1943 | stuccoed hollow tile walls, concrete foundation, shed composition roof** | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 141 | General Purpose Warehouse | c.1941 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 141A | General Purpose Warehouse | c.1942 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 142 | General Purpose Warehouse | c.1941 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 142A | General Purpose Warehouse | c.1942 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 143 | Snack Bar | c.1942 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 147A | High Explosive Magazine Bulk | c.1941 | stuccoed hollow tile walls, concrete foundation, reinforced concrete/hollow tile composition roof** | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on SE side |

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|------|--|--------|---|---|-----|--------|---|------------------------------------|
| 148 | Laboratory & Test Building-General Purpose | c.1918 | concrete masonry walls, flat roof* | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | enlarged c.1941, blast wall c.1944 |
| 148A | High Explosive Magazine Bulk | c.1940 | stuccoed hollow tile walls, concrete foundation, hip roof w/ asbestos shingles** | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 149 | Metallurgy Laboratory | c.1917 | brick walls, monitor roof* | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 150 | Physics Laboratory | c.1941 | brick walls, flat roof* | 2 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 151 | Chemistry Laboratory | c.1942 | brick walls, concrete foundation** | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 228 | Administration Building | 1918 | concrete masonry walls, flat roof* | 3 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 229 | Medium Caliber Loading Plant | 1941 | unknown | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 230 | Laboratory & Test Building | 1914 | brick walls, likely concrete foundation, gable roof* | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 231 | Laboratory & Test Building | 1917 | brick walls, likely concrete foundation, gable roof* | 2 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 232 | Lumber & Pipe Shed | 1944 | brick walls, concrete foundation, flat composition roof** | 1 | Yes | c.2006 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 235 | Laboratory & Test Building | 1941 | brick walls, likely concrete foundation, flat roof* | 3 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 238 | Facilities Engineer Storehouse | 1963 | brick-faced concrete walls, concrete foundation, flat composition roof** | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | addn to c.1942 transformer bldg |
| 239 | Medium Caliber Loading Plant | 1910 | brick lined w/ gypsum block, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 239A | Medium Caliber Loading Plant | 1939 | stuccoed hollow tile walls, concrete foundation, hip roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 240 | Medium Caliber Loading Plant Magazine | c.1865 | double brick walls w/ air space, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | rebuilt c.1941 after fire |
| 241 | Medium Caliber Loading Plant | 1943 | wood frame walls, gable roof* | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 242 | General Purpose Magazine | 1918 | wood frame walls w/ stucco, concrete foundation/partial basement, hip roof w/ asbestos shingles** | 2 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 242A | General Purpose Magazine | 1938 | stuccoed hollow tile walls, concrete foundation, hip roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 242C | General Purpose Magazine | 1938 | stuccoed hollow tile walls, concrete foundation, hip roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 243 | General Purpose Magazine | 1918 | concrete on metal lath, hip roof w/ asbestos shingles, full basement** | 2 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |

Frankford Arsenal Boundary Decrease

Philadelphia, PA

Name of Property

County and State

| | | | | | | | | |
|------|----------------------------------|--------|---|----|-----|--------|---|--|
| 244 | General Purpose Magazine | 1918 | concrete on metal lath, hip roof w/ asbestos shingles, full basement** | 2 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 244A | High Explosive Magazine | 1941 | stuccoed hollow tile walls, concrete foundation, shed roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 245 | General Purpose Magazine | 1918 | concrete on metal lath, hip roof w/ asbestos shingles, full basement** | 2 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 246 | Medium Caliber Loading Plant | 1918 | concrete on metal lath, hip roof w/ asbestos shingles, full basement** | 2 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 246A | Medium Caliber Loading Plant | 1941 | stuccoed hollow tile walls, concrete foundation, shed roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 247 | General Purpose Magazine | 1918 | unknown walls, hip roof* | 2 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall around all four sides |
| 247A | General Purpose Magazine | 1941 | unknown | 2 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 248 | General Purpose Magazine | 1948 | unknown walls, hip roof* | 2 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall around all four sides |
| 249 | Medium Caliber Loading Plant | 1941 | wood frame walls w/ stucco, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | enlarged c.1943 |
| 250 | Medium Caliber Loading Plant | 1921 | brick walls, likely concrete foundation, flat roof* | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 251 | Medium Caliber Loading Plant | 1918 | steel frame w/ brick curtain walls, concrete foundation, gable roof w/ composition shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 252 | General Purpose Warehouse | 1884 | wood frame w/ board & batten siding, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | Originally where Bldg No. 44 was; remodeled in 1909; moved to final location c.1918/enlarged; remodeled 1924 |
| 259 | Environmental Cooling Tower | 1955 | unknown | -- | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 261 | Switchroom | 1945 | brick walls, concrete foundation, asbestos shingle roof** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 264 | Sentry Station | c.1948 | wood frame walls w/ "German" siding, concrete foundation, asbestos shingle roof** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 267 | Inflammable Materials Storehouse | 1945 | wood frame walls w/ tar paper, concrete foundation, gable roof w/ asbestos shingles** | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 301 | Heating Plant | c.1921 | steel frame w/ brick curtain walls, concrete foundation, flat composition roof, four steel stacks** | 3 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | See photo 6 for remaining evidence |
| 301A | Laboratory & Test Building | 1953 | unknown | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 302 | Fuel Oil Tanks | 1939 | unknown | -- | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |

Frankford Arsenal Boundary Decrease

Philadelphia, PA

Name of Property

County and State

| | | | | | | | | |
|-----|-------------------------------------|------|---|-----------|-------|--------|---|--|
| 303 | General Purpose Warehouse | 1941 | steel frame w/ corrugated metal siding, concrete foundation, gable roof w/ corrugated metal** | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | concrete blast wall on N/E/W sides |
| 304 | Laboratory & Test Building | 1953 | unknown | 1 | Yes | c.2010 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 305 | Laboratory & Test Building | 1944 | steel frame w/ hollow terra cotta walls/brick corners, concrete foundation, shed roof w/ composition shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 306 | Salvage & Surplus Property Facility | 1938 | unknown | unknown | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 307 | General Purpose Warehouse | 1941 | brick walls, likely concrete foundation, gable roof* | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 308 | General Purpose Warehouse | 1941 | steel frame w/ brick walls, concrete foundation, gable roof w/ slate** | 1 | Yes | c.2011 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | railroad siding and loading platform on N; loading platforms on S |
| 309 | Ordnance Facility | 1953 | open steel truss tower on concrete base, stairs at alternate corners** | 10 levels | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | testing platforms/pulley tracks on E/W |
| 310 | Water Tank | 1949 | elevated cylindrical steel tank w/ conical roof** | NA | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 311 | Laboratory & Test Building | 1945 | brick walls, concrete foundation, flat composition roof** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 312 | Nuclear Physics & Chemistry Storage | 1943 | brick walls, concrete foundation, flat composition roof; corrugated metal test tower** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 315 | Salvage & Surplus Property Facility | 1945 | unknown | unknown | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 316 | Laboratory & Test Building | 1918 | reinforced concrete/brick walls, concrete foundation, flat composition roof** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | remodeled c.1942 |
| 318 | Tunnel Entrance | 1945 | brick walls, concrete foundation, flat composition roof** | 1 | Yes | c.2012 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 319 | Ordnance Facility | 1945 | steel frame tower on concrete foundation** | 5 levels | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 320 | Railroad Scales | 1942 | concrete masonry walls, concrete foundation, shed roof w/ composition shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | scale house constructed c.1970 |
| 322 | Salvage & Surplus Property Facility | 1945 | steel frame walls w/ corrugated steel/iron siding and hollow tile walls, concrete foundation, shed roof w/ composition shingles** | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 329 | Salvage & Surplus Property Facility | 1943 | unknown | unknown | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 332 | High Explosive Magazine | 1942 | unknown | 1 | Yes | c.1990 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 334 | High Explosive Magazine | 1917 | concrete walls and foundation (possibly with brick infill or facing) | 1 | Ruins | | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | Bunker ruins remain, but do not retain integrity and cannot help convey the significance of the former Arsenal; the site is located near the new |

Frankford Arsenal Boundary Decrease
Name of Property

Philadelphia, PA
County and State

| | | | | | | | | |
|-----|--------------------------------|--------|-------------------------------|---------|-------|--------|---|---|
| | | | | | | | | K&T Trail along the River; see photos 15-18, 41; recent interpretive panels added along the trail explain the Magazine's purpose |
| 337 | High Explosive Magazine | 1917 | unknown | 1 | Yes | c.2002 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 339 | High Explosive Magazine | 1942 | unknown | 1 | Yes | c.1975 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 340 | High Explosive Magazine | c.1940 | unknown | unknown | Yes | c.1975 | Frankford Arsenal Buildings-Shape Files provided by Corps | |
| 341 | High Explosive Magazine | c.1940 | unknown | unknown | Yes | c.1975 | Frankford Arsenal Buildings-Shape Files provided by Corps | |
| 400 | Switch House & Tunnel Entrance | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 402 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 403 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 404 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 405 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 406 | Administration Building | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 409 | Laboratory Storage | c.1946 | concrete walls and foundation | unknown | Ruins | | Frankford Arsenal Buildings-Shape Files provided by Corps | Ruins remain, but the resource does not retain integrity and cannot help convey the significance of the former Arsenal; located in the River, formerly apparently connected to the larger facility by a pier; see photos 13, 14, 43 |
| 410 | High Explosive Magazine | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 412 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 413 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 414 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 415 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 416 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |

Frankford Arsenal Boundary Decrease
Name of Property

Philadelphia, PA
County and State

| | | | | | | | |
|------|--------------------------------|--------|---------|---------|-----|--------|---|
| 417 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 417A | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 418 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 419 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 420 | General Purpose Warehouse | 1945 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 421 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 422 | Medium Caliber Loading Plant | c.1940 | unknown | 1 | Yes | c.1985 | Frankford Arsenal Buildings-Shape Files provided by Corps |
| 423 | Medium Caliber Loading Plant | c.1940 | unknown | 1 | Yes | c.1985 | Frankford Arsenal Buildings-Shape Files provided by Corps |
| 426 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 427 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 427A | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 429 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 430 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Frankford Arsenal Buildings-Shape Files provided by Corps |
| 431 | Medium Caliber Loading Plant | 1953 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 434 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.2000 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 435 | Medium Caliber Loading Plant | 1943 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 438 | Scrap Powder Receiving Station | c.1940 | unknown | unknown | Yes | c.1985 | Frankford Arsenal Buildings-Shape Files provided by Corps |
| 439 | Medium Caliber Loading Plant | 1944 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 440 | Medium Caliber Loading Plant | 1968 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 441 | Medium Caliber Loading Plant | 1968 | unknown | 1 | Yes | c.1985 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |

Frankford Arsenal Boundary Decrease
Name of Property

Philadelphia, PA
County and State

| | | | | | | | |
|------|--|--------|---------|---------|-----|--------|--|
| 501 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 502 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 503 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 504 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 505 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 506 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 506A | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 507 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 509 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 510 | Motor Repair Shop | 1942 | unknown | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 511 | General Purpose Magazine | 1940 | unknown | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 512 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Frankford Arsenal Buildings-Shape Files provided by Corps; build date based on aerials |
| 513 | Electrical Equipment Building | 1902 | unknown | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 514 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 515 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 516 | Gasoline Station | 1954 | unknown | 1 | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 517 | Unknown | c.1940 | unknown | unknown | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials |
| 518 | Metallurgy Laboratory | 1932 | unknown | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |
| 519 | Administration Building-Research and Development | 1939 | unknown | 3 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) |

Frankford Arsenal Boundary Decrease
Name of Property

Philadelphia, PA
County and State

| | | | | | | | | |
|--|--|-------------------|-----------------------------------|----|-----|--------|---|--|
| 520 | Metallurgy Laboratory | 1932? | unknown | 1 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 521 | Laboratory & Test Building | 1954 | unknown | 2 | Yes | c.1995 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 522 | Water Tank | 1915? | unknown | -- | Yes | c.1980 | Milner 1979 (ER# 1981-1316-101-B, Appendix A) | |
| 523 | Unknown | c.1940 | unknown | | Yes | c.1975 | Demolition Plan in SHPO Files-Key No. 001378; build date based on aerials | |
| N/A | Boundary Wall along Tacony Street | c.1850/ c.1918 | stone/brick/iron railing | -- | No | NA | Field view, April 2017 | Will be retained within listed boundary—it is an extension of the wall system west of Baird Street, retains integrity, visually prominent piece of the Arsenal property; see photos 4, 5, 7-10, 26 |
| N/A | Boundary Wall along old Eastern Border | unk. | stone/concrete block construction | -- | Yes | c.2015 | Field view, May 2014 | |
| N/A | Underground Utility System | unk. | | -- | No | NA | Field view, April 2017 | Evidence remains of an underground utility system via tunnels, manhole covers, etc. but has not been mapped or studied and is treated here as an uncounted landscape feature. See photos 1 and 2. |
| RESOURCES EAST of BAIRD STREET, NOT ASSOCIATED with FRANKFORD ARSENAL (constructed post-closure of Arsenal facility, by later owners) | | | | | | | | |
| N/A | Dietz & Watson | c.2015 | distribution center | 1 | No | NA | Aerial photographs; site visit | See photos 19, 35 & 36 |
| N/A | Boat Launch Area-Maintenance Building | c.1998 | maintenance building | 1 | No | NA | Aerial photographs; site visit | Visible in Photographs 34-34, 41-43 |
| N/A | Boat Launch Area-Utility Shed | c.1985 | utility shed | 1 | No | NA | Aerial photographs; site visit | Visible in Photographs 41-42 |
| N/A | K&T Trail | c.2017 | pedestrian trail | NA | No | NA | Aerial photographs; site visit | See photos 41-42 |









PAPA JOHN'S
70
MILLION

MIDWEST
\$ 30
MILLION







A billboard for Checkers Steak Burgers. The billboard is dark blue with the Checkers logo in red and white. It features two images of burgers: one with a steak patty and one with a cheeseburger patty. The text on the billboard reads "Checkers", "\$1.99 STEAK BURGERS", and "NEW". There is also a small "© Checkers" logo at the bottom.





ARIA + JEFFERSON
Better. Together.
Aria Health
Jefferson Health



1/4 MI
COTTONWOOD AVE

ARIA + JEFFERSON
Dance Together.

































Checkers
\$1.99
STEAK BURGERS

A billboard for Checkers restaurant, featuring a large image of a steak burger and the text "\$1.99 STEAK BURGERS". The billboard is mounted on a brick tower structure.





































PUBLIC LAUNCH

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Requested Action: Boundary Update

Property Name: Frankford Arsenal (Boundary Decrease)

Multiple Name:

State & County: PENNSYLVANIA, Philadelphia

Date Received: 11/16/2017 Date of Pending List: 12/8/2017 Date of 16th Day: 12/26/2017 Date of 45th Day: 1/2/2018 Date of Weekly List:

Reference number: BC100001935

Nominator: State

Reason For Review:

Accept Return Reject 12/28/2017 Date

Abstract/Summary
Comments:

Recommendation/ Criteria The Frankford Arsenal was listed in the National Register in 1972. This boundary decrease is justified; it removes the area east of Baird Street which has suffered a near complete loss of buildings through demolition since the time the arsenal was listed in the National Register.

Reviewer Patrick Andrus *Patrick Andrus* Discipline Historian

Telephone (202)354-2218 Date 12/28/2017

DOCUMENTATION: see attached comments : No see attached SLR : No

If a nomination is returned to the nomination authority, the nomination is no longer under consideration by the National Park Service.



CITY OF PHILADELPHIA

PHILADELPHIA HISTORICAL
COMMISSION

Room 576, City Hall
Philadelphia, Pennsylvania 19107
Tel: 215.686.7680
Fax: 215.686.7674

Sam Sherman, Jr.
Chair

Jonathan E. Farnham, Ph.D.
Executive Director

27 September 2017

April E. Frantz
National Register Reviewer/Eastern Region
PA State Historic Preservation Office
400 North Street
Harrisburg, PA 17120-0093

Re: Frankford Arsenal boundary decrease

Dear Ms. Frantz:

I am writing in response to your request that the Philadelphia Historical Commission provide its official Certified Local Government comments on the boundary decrease of the Frankford Arsenal in Philadelphia to the National Register of Historic Places. At its monthly public meeting on 8 September 2017, the Philadelphia Historical Commission reviewed and discussed the amendment and accepted public testimony. The Commission agreed that the remaining buildings within the reduced boundary continue to satisfy National Register Criterion A in the area of the U.S. military, and Criterion C in the area of Architecture and Engineering. The Commission noted that the extant buildings retain sufficient integrity to represent the full breadth of building campaigns and architectural styles that reflect the long history of the Arsenal. Nine of the buildings within the proposed boundary were added to the Philadelphia Register of Historic Places in 1960. The Commission's staff has explored the idea of amending the local designation to include more of the buildings within the proposed boundary. The Commission commented that the Arsenal has been included in numerous municipal and regional plans since its closure in 1977. Most recently, the Arsenal was identified in the Phila2035 Riverwards District Plan, the Lower Frankford Creek Watershed Brownfields Area Wide Plan, and the Philadelphia Train Plan. The Commission noted that a similar property in Philadelphia that reflects similar themes or patterns is the Philadelphia Naval Shipyard.

The Philadelphia Historical Commission voted unanimously to recommend to the Pennsylvania Historic Preservation Board that it supports the boundary decrease of the Frankford Arsenal in Philadelphia to the National Register of Historic Places. Thank you for providing the Philadelphia Historical Commission with the opportunity to comment on this amendment.

Yours truly,

A handwritten signature in black ink, appearing to read "Jon F.", with a long horizontal flourish extending to the right.

Jonathan E. Farnham, Ph.D.
Executive Director



Pennsylvania State Historic Preservation Office
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION



November 14, 2017

Paul Loether, Keeper
National Register of Historic Places
National Park Service, US Department of Interior
1849 C Street, NW, Mail Stop 7228
Washington DC 20240

Re: Frankford Arsenal Boundary Decrease, Philadelphia PA

Dear Mr. Loether:

The 99-acre Frankford Arsenal property was listed in 1972, and the documentation later amended to clarify the areas of significance and boundary in 1986 (NRIS 72001153). Unfortunately, over the past 40 years a portion of the property has been steadily cleared of resources, eroding that portion's ability to convey any aspect of the Arsenal's significance.

Enclosed please find a CD containing the true and correct copy of the Boundary Decrease document that will result in a reduction of the acreage listed to 35.75 acres, two CDs containing current photographs of the Decrease area, a signed first-page, and a letter of support from the Philadelphia Historical Commission.

Thank you for your consideration of this Boundary Decrease submission. If you have any questions or need additional information, please contact April Frantz at afrantz@pa.gov or 717-783-9922.

Sincerely,

Andrea L. MacDonald, Director
State Historic Preservation Office

ALM/aef

enc.



Joeckel, Jeffery <jeff_joeckel@nps.gov>

Re: Access to pending files for 11/18/2017

1 message

McPartland, Mary <mary_mcpartland@nps.gov>
To: "Joeckel, Jeffery" <jeff_joeckel@nps.gov>

Thu, Nov 30, 2017 at 1:26 PM

Hi Jeff,

Thanks for the update.

The survey number of the Frankford Arsenal isn't correct (what's listed here is part of the call number). The survey number is HAER PA-74. In addition to the overview, there are 74 sub-numbers for individual resources at the arsenal. Those numbers run from HAER PA-74-A to HAER PA-74-BX.

Mary

On Thu, Nov 30, 2017 at 1:06 PM, Joeckel, Jeffery <jeff_joeckel@nps.gov> wrote:

The files are on pontus at:

\\Inp2551pontus\nrhp_nhl\NR-NHL Scanned Materials\2017 properties\Date Received

You need to know the reference number of the file (you get that from the pending list) It is also in the NRIS.

Issues of the week:

Roger:

Connecticut

SG100001915 - Montgomery, J.R., Company Industrial Complex - PDIL

Paul

Hawaii

MP100001917 - International Longshore and Warehouse Union (ILWU) Jack Wayne Hall Building - I didn't see anything wrong with the nomination (although all of the Hawaii files have an odd addendum at the end of each nomination.) Possible feature

Barbara

Illinois

SG100001924 - Rand McNally Building - Section 3 boxes not checked, and possible feature (Teach those kids what life was like in the olden days, before google maps)

SG100001925 - Corron Farm - previously determined eligible

Wyoming

AD94000741 - It's not on the pending list. It is an address change

Mary

Illinois

SG100001926 - LaSalle Downtown Commercial District - HABS -IL 313

BC100001935 - Frankford Arsenal (Boundary Decrease) -HAER 51-Phila 693 - boundary decrease (They want to remove some of the resources, but not all from the listing, I'm not sure how that affects your data.)

Lisa:

Maine

AD73000146 - Additional Documentation