

*A*ppendix C - Correspondence

HPO Project No. 21-1660 RE Revised Architectural History Methodology and Initiation of Project Consultation

20210818 NJTA 1-4 SHPO Final Draft, No Attachment

20220207 NJTA 1-4 Revised Architectural History Methodology

From: [Maresca, Vincent \[DEP\]](#)
To: [Zeoli, Vanessa](#); [Thivierge, Lindsay \[DEP\]](#); [Frederickson, Erin \[DEP\]](#); [Baratta, Meghan \[DEP\]](#)
Cc: [Tiernan, Christine](#); [Fazio, Jihane](#); [Donelson, Samuel](#); [Hand, Timothy](#); [NJ1to4WP](#); [Rao, Matthew](#); [Walker, Jesse](#)
Subject: [EXTERNAL] HPO Project No. 21-1660, RE: Revised Architectural History Methodology and Initiation of Project Consultation - NJTA 1 to 4 Widening Program
Date: Monday, February 07, 2022 12:51:51 PM

Hello Vanessa,

Ms. Thivierge has been reassigned to our office's Certified Local Government program thus Ms. Frederickson (copied) will be the above ground reviewer for this project and will provide you with comment on your submission.

Regarding archaeology, an initial Phase I archaeological survey is appropriate as discussed in your August 18, 2021 memorandum if subject to formal regulatory review. I would add, if this project requires a Freshwater Wetlands permit issued through the DEP, Phase I archaeological survey and reporting must comply with the rules at N.J.A.C. 7:4-8.4 through 8.5.

https://www.nj.gov/dep/hpo/1identify/nj_register_hist_plac_rules_07_02_2015.pdf

Regards,

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From: Zeoli, Vanessa <vanessa.zeoli@aecom.com>
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Subject: [EXTERNAL] Revised Architectural History Methodology and Initiation of Project Consultation - NJTA 1 to 4 Widening Program

Good morning Lindsay,

Please find attached the Revised Architectural History Methodology, per our discussions via teleconference call on October 6, 2021. These revisions are a follow up to the Initiation of Project Consultation letter, which was submitted to NJHPO on 8/18/2021. NJHPO has not provided a response to the initiation letter yet, as it was decided to withhold a response until the revised methodology was submitted. However, the revised mythology does not include a discussion of archaeology, so NJTA respectfully requests that NJHPO provide comments on the proposed archaeological methodology provided in the 8/18/21 letter. The Initiation of Project Consultation is included as an attachment.

If you have any questions or need additional information, don't hesitate to contact me at vanessa.zeoli@aecom.com or 610-234-5097.

Thank you,
Vanessa

Vanessa Zeoli

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August 18, 2021

Ms. Katherine Marcopul
New Jersey Historic Preservation Office
New Jersey Department of Environmental Protection
Mail Code 501-04B, P.O. Box 420
Trenton, New Jersey 08625-0420

Re: New Jersey Turnpike Interchange 1 to 4 Widening Program
Salem, Gloucester, Camden, and Burlington Counties
Initiation of Project Consultation

Dear Ms. Marcopul,

On behalf of the New Jersey Turnpike Authority (NJTA), AECOM is initiating cultural resource consultation for the proposed New Jersey Turnpike Interchange 1 to 4 Widening Program (the Program). The NJTA proposes to widen the existing New Jersey Turnpike by one lane in each direction between Interchanges 1 and 4. This document describes the proposed undertaking for the Program as it is understood at this date, as well as our proposed methodology for cultural resource investigations. We are requesting the New Jersey Historic Preservation Office's (NJHPO) review of AECOM's plans to identify cultural resources that may be affected by the program.

Regulatory Context

The Program will require both state and federal permits and as a result, consultation with the NJHPO will be necessary. It is anticipated the Program will pursue the following permits, triggering NJHPO consultation under several statutes: the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B et seq.), the Waterfront Development Law (N.J.S.A. 12:5-3), Flood Hazard Area Control Act (N.J.S.A. 58:16A), and the Coastal Area Facility Review Act (N.J.S.A. 13:19-1 et seq.). Because the Program will also require permits from the U.S. Army Corps of Engineers (USACE) and the U.S. Coast Guard (USCG) it is considered a federal undertaking, and as such, is subject to review under Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, and its implementing regulations, 36 CFR Part 800. It is also subject to review under the National Environmental Policy Act of 1970 (NEPA).

Description of the Undertaking

The Program proposes to widen the New Jersey Turnpike mainline from two lanes in each direction to three lanes in each direction from Interchange 1 (Delaware Memorial Bridge) to just north of Interchange 4 (NJ 73, Camden, Philadelphia). The Program will also provide full-width left and right shoulders on the mainline and will address congestion as well as geometric and operational needs for all interchanges, ramps, toll plazas and service areas within the Widening Program limits. The Program may include the addition of one new interchange and will require the construction, modification, or replacement of approximately 52 bridges. Additional improvements are anticipated to include the elimination of existing median barrier openings, the replacement of sign structures, and other improvements necessary to make connections to and from the interchanges and service areas. The approximate limits of the Program are from Milepost 0.0 to Milepost 36.5; totaling approximately 36.5 miles through 17 municipalities in Salem, Gloucester, Camden, and Burlington Counties.

Historic Architectural Resources

Background Research

AECOM conducted a desktop search of NJHPO's files in an effort to determine the extent of previous cultural resource surveys in the vicinity of the project alignment. The desktop research was conducted online between May and July 2021 when the NJHPO was still closed to visitors due to the COVID-19 pandemic; files and reports will be obtained once in-person visits at NJHPO are permitted again. AECOM consulted the Historic Properties and Historic Districts layers available through LUCY, NJHPO's GIS-based cultural resources mapping application. The NJHPO layers were also used to generate a list of the architectural history focused cultural resource studies in the study area.

Previously Recorded Historic Architectural Resources

A 500-foot Study Area on either side of the New Jersey Turnpike right-of-way was used to identify historic architectural resources. A total of 124 historic architectural resources are located within the 500-foot Study Area. Of those, there are four historic properties that are either listed in or eligible for listing in the New Jersey Register of Historic Places (NJRHP) and the National Register of Historic Places (NRHP). These include two individual resources (a residence and a school) listed in the NJRHP and NRHP, one individual residence determined eligible by NJHPO, and one eligible railroad historic district determined eligible by NJHPO. In addition, one resource was previously determined as not eligible for listing in the NRHP. The remaining 119 resources have been identified by previous studies, but have not been assessed for NJRHP or NRHP eligibility. See Table 1 below and the Resource Location Maps in Appendix A for a list of historic architectural resources within the 500-foot Study Area.

Table 1. Previously Recorded Historic Architectural Resources in the Study Area

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
Salem Canal; Penn's Neck Canal; Salem Creek Canal; Deepwater Canal		Pennsville, Carneys Point	Salem	Identified
	4 Broad Street	Pennsville	Salem	Identified
	5 Broad Street	Pennsville	Salem	Identified
	5 Broad Street	Pennsville	Salem	Identified
	8 Broad Street	Pennsville	Salem	Identified
	11 Broad Street	Pennsville	Salem	Identified
	13 Broad Street	Pennsville	Salem	Identified
	14 Broad Street	Pennsville	Salem	Identified
	15 Broad Street	Pennsville	Salem	Identified
	16 Broad Street	Pennsville	Salem	Identified
	18 Broad Street	Pennsville	Salem	Identified
	19 Broad Street	Pennsville	Salem	Identified
	21 Broad Street	Pennsville	Salem	Identified
	23 Broad Street	Pennsville	Salem	Identified
	26 Broad Street	Pennsville	Salem	Identified
	27 Broad Street	Pennsville	Salem	Identified
	101 Broad Street	Pennsville	Salem	Identified
	1 Canal Road	Pennsville	Salem	Identified
	13 Canal Road	Pennsville	Salem	Identified
	15 Canal Road	Pennsville	Salem	Identified
	17 Canal Road	Pennsville	Salem	Identified
	18 Canal Street	Pennsville	Salem	Identified
	18 Canal Street	Pennsville	Salem	Identified
	22 Canal Street	Pennsville	Salem	Identified
	27 Canal Street	Pennsville	Salem	Identified
	3-5 Chester Avenue	Pennsville	Salem	Identified
	5 Harrison Street	Pennsville	Salem	Identified

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
	6 Harrison Street	Pennsville	Salem	Identified
	7 Harrison Street	Pennsville	Salem	Identified
	8 Harrison Street	Pennsville	Salem	Identified
	2 Monroe Street	Pennsville	Salem	Identified
	3 Monroe Street	Pennsville	Salem	Identified
	14 Monroe Street	Pennsville	Salem	Identified
	16 Monroe Street	Pennsville	Salem	Identified
	18 Monroe Street	Pennsville	Salem	Identified
		Pennsville	Salem	
	526 North Broadway	Pennsville	Salem	Identified
Little Caesar's Pizza	530 North Broadway	Pennsville	Salem	Identified
	532 North Broadway	Pennsville	Salem	Identified
	533 North Broadway	Pennsville	Salem	Identified
Travagini's Restaurant	538 North Broadway	Pennsville	Salem	Identified
	542 North Broadway	Pennsville	Salem	Identified
	19 Van Buren Street	Pennsville	Salem	Identified
	20 Van Buren Street	Pennsville	Salem	Identified
	21 Van Buren Street	Pennsville	Salem	Identified
	48 Van Buren Street	Pennsville	Salem	Identified
	50 Van Buren Street	Pennsville	Salem	Identified
	600 Cedar Crest Drive	Carneys Point	Salem	Identified
	601 Cedar Crest Drive	Carneys Point	Salem	Identified
	602 Cedar Crest Drive	Carneys Point	Salem	Identified
	611 Cedar Crest Drive	Carneys Point	Salem	Identified
	714 Courses Landing Road	Carneys Point	Salem	Identified
	747 Courses Landing Road	Carneys Point	Salem	Identified
Jordan Family Farm	747 Courses Landing Road	Carneys Point	Salem	Identified
	762 Harding Highway	Carneys Point	Salem	Identified
	772 Harding Highway	Carneys Point	Salem	Identified
	601 Hawks Bridge Road	Carneys Point	Salem	Identified
	603 Hawks Bridge Road	Carneys Point	Salem	Identified
	605 Hawks Bridge Road	Carneys Point	Salem	Identified
	609 Hawks Bridge Road	Carneys Point	Salem	Identified
	10 Layton's Lake Drive	Carneys Point	Salem	Identified
	30 Layton's Lake Drive	Carneys Point	Salem	Identified
	107 North Broad Street	Carneys Point	Salem	Identified
	109 North Broad Street	Carneys Point	Salem	Identified
	612 Soders Road	Carneys Point	Salem	Identified
	622 Soders Road	Carneys Point	Salem	Identified
	628 Soders Road	Carneys Point	Salem	Identified
	637 Soders Road	Carneys Point	Salem	Identified
	598 Sorenson Road	Carneys Point	Salem	Identified
	268 Wiley Road	Carneys Point	Salem	Identified
	356 Wiley Road	Carneys Point	Salem	Identified
MJS Truck Plaza	360 Wiley Road	Carneys Point	Salem	Identified
Rankin Truck Brokers	Wiley Road	Carneys Point	Salem	Identified
Salem County Bridge No. 212 over Game Creek	Wiley Road	Carneys Point	Salem	Identified
	633 Williamsburg Avenue	Carneys Point	Salem	Identified
	635 Williamsburg Avenue	Carneys Point	Salem	Identified
	637 Williamsburg Avenue	Carneys Point	Salem	Identified
	78 Main Street	Oldmans	Salem	Identified
	343 Pedricktown-Woodstown Road	Oldmans	Salem	Identified
	344 Pedricktown-Woodstown Road	Oldmans	Salem	Identified
	149 Pennsville-Auburn Road	Oldmans	Salem	Identified

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
	17 Pointers-Auburn Road	Oldmans	Salem	Identified
	56 Pointers-Auburn Road	Oldmans	Salem	Identified
	84 Pointers-Auburn Road	Oldmans	Salem	Identified
	194 Pointers-Auburn Road	Oldmans	Salem	Identified
	500 Auburn Road	Pilesgrove	Salem	Identified
Woolwich Township Agricultural Historic District		Woolwich	Gloucester	Not Eligible
Clearview farm	2183 Clearview Farm	Woolwich	Gloucester	Identified
	307 King's Highway	Woolwich	Gloucester	Identified
	325 King's Highway	Woolwich	Gloucester	Identified
Old Swedes Inn	301-305 King's Highway	Woolwich	Gloucester	Identified
	King's Highway	Woolwich	Gloucester	Identified
	Russell Mill Road	Woolwich	Gloucester	Identified
	Russell Mill Road	Woolwich	Gloucester	Identified
Stewart Farm	US Highway 322	Woolwich	Gloucester	Identified
	Cohawkin Road	East Greenwich	Gloucester	Identified
	552 Still Run Road	East Greenwich	Gloucester	Identified
	Tomlin Station Road	East Greenwich	Gloucester	Identified
Southwest Counseling	Griscom Lane	West Deptford	Gloucester	Identified
Lord-Moore House	Parkville Road	West Deptford	Gloucester	Identified
Strawberry Vale	392 Parkville Station Road	West Deptford	Gloucester	Identified
West Jersey & Seashore Railroad/Pennsylvania Reading Seashore Lines		Woodbury Heights	Gloucester	Identified
	364 Barlow Avenue	Woodbury Heights	Gloucester	Identified
Preferred Automotive	380 Barlow Avenue	Woodbury Heights	Gloucester	Identified
	347 Glassboro Road	Woodbury Heights	Gloucester	Identified
	355 Glassboro Road	Woodbury Heights	Gloucester	Identified
	363 Glassboro Road	Woodbury Heights	Gloucester	Identified
Sullivan House	750 Cooper Street	Deptford	Gloucester	Eligible (SHPO Opinion)
Nathan Ward House	Poplar Road	Deptford	Gloucester	Identified
	321 Saunders Avenue	Bellmawr	Camden	Identified
	12 East Williams Avenue	Barrington	Camden	Identified
	110 East Williams Avenue	Barrington	Camden	Identified
	913 Lenton Avenue	Barrington	Camden	Identified
	944 Lenton Avenue	Barrington	Camden	Identified
	4 Little Lane	Barrington	Camden	Identified
	15 Little Lane	Barrington	Camden	Identified
	100 Reamer	Barrington	Camden	Identified
	130 Shreve Avenue	Barrington	Camden	Identified
Peter Mott House	26 King's Court	Lawnside	Camden	NJRHP and NRHP Listed
Lawnside School	23 North Warwick Road	Lawnside	Camden	NJRHP and NRHP Listed
Camden and Atlantic Railroad Historic District		Cherry Hill	Camden	Eligible (SHPO Opinion)
	1603 Atlantic Avenue	Cherry Hill	Camden	Identified
	1921 Old Cuthbert Road	Cherry Hill	Camden	Identified
	2 Lakeside Avenue	Cherry Hill	Camden	Identified
	1801 Old Cuthbert Road	Cherry Hill	Camden	Identified

Previous Studies

AECOM reviewed NJHPO data via the New Jersey Department of Environmental Protection's (NJDEP) DataMiner online search portal to identify the previous architectural history-related studies conducted in the 500-foot study area. Physical reports will be obtained from NJHPO once the office is opened for in-person visits. These studies represent the investigations that documented the historic architectural resources listed in Table 1. See Table 2 below for a list of those studies.

Table 2. Previous Architectural History-Related Studies within the Study Area

NJHPO Report Code	Report Name
CAM GB 64 v12	Intensive-Level Survey of Historic Resources, Camden County, Phase III, Cherry Hill Township
CAM GB 64 v7	Intensive-Level Survey of Historic Resources, Camden County, Phase III, Barrington Borough
CAM GB 64 v8	Intensive-Level Survey of Historic Resources, Camden County, Phase I, Bellmawr Borough
GLO C 747d	Reconnaissance- and Intensive-Level Historic Architectural Survey, The Villages I at Weatherby, Woolwich Township, Gloucester County, New Jersey
GLO GB 98 v1	Gloucester County Cultural Resources Survey
GLO GB 98 v18	Gloucester County Cultural Resources Survey
GLO GB 98 v24	Gloucester County Cultural Resources Survey: Woolwich Township
GLO GB 98 v3	Gloucester County Cultural Resources Survey
GLO GB 98 v4	Gloucester County Cultural Resources Survey
MULT S 20a	Historic Architectural Reconnaissance Survey Report Glassboro-Camden Line Light Rail Project, Camden and Gloucester Counties, New Jersey
MULT S 20e	Historic Architectural Reconnaissance Survey Report, Addendum 2, Glassboro-Camden Line Light Rail Project, Camden and Gloucester Counties, New Jersey.
SAL C 1364	Phase IA Archaeological Survey and Reconnaissance-Level Historic Architectural Survey, Proposed Development. Pennsville Township, Salem County, New Jersey
SAL GB 160c v1	Salem County Historic Resources Survey for Carneys Point Township: Reconnaissance Level, 252 A St. - 155 Central Schoolhouse Rd.
SAL GB 160h v1	Salem County Historic Resources Survey for Oldmans Township: Reconnaissance Level, 11 Benjamin Green Rd. - 343 Pedricktown Woodstown Rd.
SAL GB 160J v1	Salem County Historic Resources Survey for Pilesgrove Township: Reconnaissance Level, 2 Allen Dr. - 315 E. Lake Dr.

Proposed Architectural History Methodology

While the Program will largely be confined to the existing ROW, there is potential to impact historic properties. Two railroad historic districts, including the NRHP-eligible Camden and Atlantic Railroad Historic District and the previously identified (but not evaluated) West Jersey & Seashore Railroad/Pennsylvania Reading Seashore Lines, intersect the Program alignment and have the potential to be physically impacted. There is also potential for indirect visual impacts that could result from the construction of new above-ground components or tree/vegetation clearing that could encroach on the viewshed of adjacent historic properties. While the New Jersey Turnpike, as a linear resource, is exempt from Section 106 evaluation, individual components such as bridges, tunnels and rest areas would require assessment, per the 2006 Advisory Council on Historic Preservation's (ACHP) "Exemption Regarding Historic Preservation Review Process for Effects to the Interstate Highway System."

AECOM proposes a preliminary area of potential effects (APE) for historic architectural resources be limited to parcels intersected by a 250-foot buffer on either side of the existing turnpike ROW. The APE is meant to consider potential direct and indirect effects of the Program and may be refined or expanded as the Program design is further developed. See Appendix A for Project Location Maps showing the preliminary APE.

AECOM proposes a reconnaissance-level survey to field verify the APE and identify historic architectural resources. Secretary of the Interior-qualified architectural historians will conduct field reconnaissance of parcels adjacent to the preliminary APE containing historic architectural resources over 48 years of age. While the typical threshold for NRHP evaluation is 50 years, the environmental compliance portion of the Program is anticipated to carry into 2023. Survey will be conducted from the public roadways, where possible. This survey will consist of field verifying the preliminary APE based on Program details to determine the extent of physical impacts (which may include such things as tree clearing on and vibratory impacts to adjacent private properties) as well as changes to the viewshed and potential noise impacts. Field Documentation will include both previously recorded and newly identified historic resources in the APE. Survey tasks will consist of high-resolution digital photography, notation of physical conditions of historic resources, and plotting newly identified resources on maps.

Based on an initial desktop review, there are 62 previously recorded resources within the 250-foot preliminary APE. In addition to the two railroad resources mentioned above, there are two individually listed (NRHP and NJRHP) resources: the Peter Mott House and Lawnside School, both in Lawnside Borough. There is one historic district determined to be not eligible, the Woolwich Township Agricultural Historic District. The remaining 57 resources have been identified, but not evaluated for NRHP or NJRHP eligibility.

For properties in the APE containing resources aged 48 years of age or older, AECOM will complete NJHPO Base Forms that will be accompanied by a report and submitted to NJHPO for review and comment. This will include previously recorded resources that have not been evaluated for NRHP or NJRHP eligibility, but also new resources that have not been previously identified. If NJHPO determines select resources require intensive level survey, AECOM will complete NJHPO intensive-level architectural survey forms for such resources.

If the Program has the potential to impact a historic resource listed in the NJRHP, the NJTA may be required to consult with NJHPO in accordance with the New Jersey Register of Historic Places Act (N.J.S.A. 13:1B-15.128 et. seq.). The Application for Project Authorization must be submitted by any state, county, or local government agency (or their lessees or agents) whose project, or undertaking, may encroach upon a New Jersey Register listed property if a proposed project were to have an adverse effect and therefore encroach upon a property listed in or found eligible for listing in the NJRHP, the Historic Sites Council could conduct a special public meeting specifically on the encroachment application.

All studies will be conducted in accordance with 1) the Guidelines for Historic and Architectural Surveys in New Jersey (1999); 2) Section 101 (b)(4) of the National Environmental Policy Act; 3) Sections 1(3) and 2(b) of Executive Order 11593; 4) Section 106 of the National Historic Preservation Act of 1966 (as amended); and 5) the amended Procedures for the Protection of Historic and Cultural Properties, as set forth in 36 CFR 800 (2001). All work will be performed by or under the direct supervision of individuals meeting the Secretary of Interior's Professional Qualifications Standards (36 CFR 61) for Architectural History.

Archaeological Resources

The extent of proposed direct impacts and the Archaeological APE for the project are unknown at this time. Impacts are anticipated along the north/south bound turnpike lanes, interchanges, bridge/culvert replacements, construction access routes, equipment laydown areas, stormwater management facilities, and other associated improvements. Preliminary engineering plans are anticipated in 2022.

Background Research

AECOM obtained archaeological site file information from the New Jersey State Museum. Future research is planned at the NJHPO when in-person research is permitted. Additional background research will be conducted over the course of the project. Twelve prehistoric and historic sites have been documented in or immediately next to the New Jersey Turnpike (Table 3). Five of these consist of

prehistoric artifact scatters; two sites are a mixed assemblage of prehistoric and historic artifacts; four sites are remnants of historic structures. While the construction and maintenance of the New Jersey Turnpike and associated utilities has impacted some sites (i.e., 28BU43 is recorded as having been obliterated), others are likely to not have been comprehensively impacted. The extent of archaeological investigations is limited at these sites. Site 28CA90 is identified as spanning 100 feet on either side of the New Jersey Turnpike between East Atlantic Avenue and the White Horse Pike and may represent remains of the 19th century African-American community of Lawnside. Prehistoric sites 28GL103, 28GL302, and 28GL252 are clustered around Cooper Street, immediately to the east of Woodbury Creek as it flows into Stewart Lake. Site 28GL301, 28GL211, and 28GL212 are clustered around Hesters Branch. Additional sites are registered within one mile of the New Jersey Turnpike. The distribution of known sites illustrates that portions of the APE within 500 feet of waterways and wetlands in the area have a higher potential for encountering prehistoric cultural deposits.

Table 3. Archaeological Sites abutting the New Jersey Turnpike between Interchanges 1 and 4

Site No.	Nearest Intersection	Period	Type (from site form)
28BU242	Elbo Lane	Historic	Farmstead
28BU43	North Branch of Pennsauken Creek	Prehistoric	Lithic site
28CA90	E. Atlantic Avenue to White Horse Pike	Historic	Small residential district.
28CA20	Exit 3 Interchange	Prehistoric	Surface points, scrapers, anvil, pottery, chips.
28GL303	Almonesson Road	Unknown	[No site form]
28GL103	Cooper Street	Prehistoric	Surface chips, potsherds, & fire broken rocks.
28GL302	Cooper Street	Prehistoric	Small prehistoric artifact scatter.
28GL252	Cooper Street	Prehistoric	Low to moderate density subsurface deposit of lithic artifacts, fire cracked rock, and ceramic sherds.
28GL301	Hesters Branch	Historic	Intact remains of mortared stone foundation.
28GL211	Hesters Branch	Both	Prehistoric/Historic scatter; no prehistoric or historic features.
28GL212	Hesters Branch	Both	Prehistoric/Historic scatter; no prehistoric or historic features.
28GL300	Parkville Road	Historic	Collapsed remains of frame structure with a concrete block foundation. Possible tenant house.

Proposed Archaeological Methodology

AECOM will complete a Phase I archaeological survey within the Archaeological APE once the design plans are further advanced. All studies will be conducted in accordance with (1) NJHPO guidelines 2) Section 101 (b)(4) of the National Environmental Policy Act; 3) Sections 1(3) and 2(b) of Executive Order 11593; 4) Section 106 of the National Historic Preservation Act of 1966 (as amended); and 5) the amended Procedures for the Protection of Historic and Cultural Properties, as set forth in 36 CFR 800 (2001). All work will be performed by or under the direct supervision of individuals meeting the Secretary of Interior's Professional Qualifications Standards (36 CFR 61) for Archaeology.

AECOM appreciates your consideration of the enclosed material and timely response to the proposed surveys and investigations as described herein. Should you have any questions about the architectural history studies, please feel free to contact me at 610-234-5097 or at vanessa.zeoli@aecom.com. Questions about archaeology can be directed to Jesse Walker at 609-977-2122 or jesse.walker@aecom.com.

Sincerely,



Vanessa Zeoli
Senior Architectural Historian
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610-234-5097

AECOM
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Attachments: Attachment A – Project Location Map
Attachment B – Preliminary Historic Architectural APE Maps

cc: Maynard Abuan, Senior Project Engineer, NJTA
Sam Donelson, Project Manager, AECOM
Christine Tiernan, Environmental Manager, AECOM

ATTACHMENT A
PROJECT LOCATION MAP

ATTACHMENT B
PRELIMINARY HISTORIC ARCHITECTURAL APE MAPS

February 7, 2022

Ms. Lindsay Thivierge
New Jersey Historic Preservation Office
New Jersey Department of Environmental Protection
Mail Code 501-04B, P.O. Box 420
Trenton, New Jersey 08625-0420

Re: New Jersey Turnpike Interchange 1 to 4 Widening Program
Salem, Gloucester, Camden, and Burlington Counties
Modifications to the Proposed Architectural History Methodology

Dear Ms. Thivierge,

As a follow up to the October 6, 2021 teleconference call between the New Jersey Historic Preservation Office (NJHPO), the New Jersey Turnpike Authority (NJTA), and their consultant AECOM, the NJTA is proposing modifications to the architectural history survey and reporting methodology initially presented to the NJHPO in a project initiation letter dated August 18, 2021. On behalf of the NJTA, AECOM requests your review and concurrence with the following revised methodology for the New Jersey Turnpike Interchange 1 to 4 Widening Program.

Revised Methodology

Prior to beginning work, NJTA will identify the lead federal agency for the undertaking, in accordance with Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, and determine whether or not the lead federal agency will consult directly with the NJHPO or delegate their authority to the NJTA for the proposed undertaking.

NJTA and AECOM propose to conduct an intensive-level investigation to field-verify the Area of Potential Effects (APE), identify historic resources within the APE, and evaluate the National Register of Historic Places (NRHP) eligibility of the resources with the potential to be affected by the Program. The findings of this study will be summarized in an Intensive-Level Historic Architectural Survey report containing an appendix of intensive-level inventory forms. The report will be submitted to NJHPO for review and comment. A separate Determination of Effects/Alternatives Analysis report will be prepared and will discuss the Program alternatives being considered and assess the effects of the Preferred Alternative on NRHP-listed and eligible historic properties. The Effects/Alternative Analysis Report will also be submitted to NJHPO for review and comment. Below is a more detailed summary of the methodology for architectural history.

1. Desktop Analysis

- Obtain NJHPO shapefiles from the New Jersey Geographic Information Network (NJGIN) Open Data portal.
- Pull architectural-related reports from NJHPO's Data Miner application.
- NJHPO to provide files on railroads intersecting the Program area.
- Review historic and current aerials and historic maps/atlasses to determine location and age of resources to be surveyed.
- Desktop analysis will also document if previously-documented resources have been demolished and/or where NJHPO GIS locational data is incorrect.

- Review Transportation Research Board’s 2012 study “A Model for Identifying and Evaluating the Historic Significance of Post-World War II Housing” to further refine methodology for surveying and assessing planned post-war neighborhoods in the APE.

2. Consulting Party Coordination

- During the desktop analysis phase, AECOM will identify a list of potential consulting parties and stakeholders with a vested interest in historic and cultural resources within the APE. This will include groups/agencies such as Tribes, historical societies, historical commissions, and local government.
- AECOM will prepare a letter for NJHPO review containing the proposed consulting and interested parties, as well as a Consulting Parties (CP) Plan that will outline the process and timeline for reaching out to CPs within the Section 106 process.

3. Field Survey

- Using an agreed-upon 250-foot preliminary APE, AECOM will conduct an intensive-level historic architectural survey to identify and document historic architectural resources with the potential to be affected. The APE will be refined in the field to account for actual visibility of the Program from historic resources. The APE may also be modified as the Program design evolves.
- Since construction is anticipated to begin in 2025, the 50-year cut off for the age of resources considered for survey and evaluation will be 1975.
- If only a portion of a property is impacted, resources included on the entire property (not just the portion impacted) will be surveyed. This is largely intended for large rural properties with multiple resources.
- If a historic district (either previously documented or newly identified) is intersected by the APE, only the buildings within the APE will be documented. The rest of the buildings will only be summarized in the text and overall streetscape photos will be provided.
- Survey and evaluation will take into consideration the age of historic resources relative to the construction of the Turnpike to determine the level of visual intrusion, where applicable.
- Survey effort will consist of high-resolution digital photography, notation of physical conditions of historic resources, and notation of the location of historic resources on Wi-Fi enabled tablets.

4. Intensive-Level Inventory Forms

Intensive-level inventory forms will only be completed for properties that are within the APE that have the potential to be affected by the Program, including physical impacts and/or properties that are within the viewshed of Program activities. Below is a list of special considerations for resources that will be documented on inventory forms.

- The New Jersey Turnpike already has a SHPO opinion of not eligible or may be exempt from evaluation, so NJHPO is not requiring the overall linear resource to be surveyed; however, individual components like bridges, tunnels and rest areas will be evaluated if they meet the age threshold.
- Bridges constructed as part of the Turnpike will be documented on a single intensive-level inventory form with an attached table containing photographs of the individual structures and each type will be categorized with accompanying details on materials, condition, and alterations. Bridge attachments will not be filled out for each individual bridge; narrative text will be included in the form describing the types and providing a single historical context for all Turnpike bridges.
- Inventory forms for previously-identified railroad historic districts will be updated if there is potential for the railroad to be affected and the form is more than 10 years old, but only railroad-

related components within the APE will be documented. No railroad bridges will be replaced as part of this Program.

- Local and county-constructed bridges will be addressed on individual forms.
- Buildings in the APE that have the potential to be affected and are part of a larger development will be addressed as a historic district and documented on a Historic District Overlay Form. Individual buildings within the district will not be documented on individual Building Forms, but within a detailed table similar to the table in Attachment A.
- Previously identified resources that have the potential to be affected and were surveyed over 10 years ago will be documented on an inventory form.

5. Intensive-Level Survey Report

- An intensive-level report will be prepared that follows the outline contained within the NJHPO's *Guidelines for Architectural Survey*, pages 49-51.
- In lieu of documenting all resources within the APE on a Base Form, AECOM proposes to document all properties in the APE in a comprehensive table that includes much of the same information. See the attached example in Attachment A and the list below of the categories that will be included in the table. Resources that are recommended NRHP-eligible will be represented in the table and also documented on intensive-level inventory forms to be included in an appendix.
 - Thumbnail photo (supplemented by 1-2 full size photos in subsequent pages)
 - Resource name
 - Address/Location
 - Property type (residential, commercial, agricultural, industrial)
 - Number of buildings
 - Estimated construction date
 - Building description
 - Former Survey Status (NRHP listed, eligible, Identified)
 - Integrity (high, medium, low)
 - Eligibility recommendation
 - Preliminary effects determination
- Properties that are listed in the NRHP, have a SHPO opinion of eligibility, or are recommended eligible as part of the NJTA investigation, will be discussed in more detail in the report, including a narrative summary physical description and eligibility assessment.
- All properties within the APE will be mapped to show survey and assessment status. This will include those properties not surveyed because they were built after 1975, vacant properties, and previously documented properties that have been demolished.

6. Application for Project Authorization (if needed)

- If the Widening Program has the potential to impact a historic resource listed in the New Jersey Register of Historic Places (NJRHP), the NJTA may be required to consult with NJHPO in accordance with the New Jersey Register of Historic Places Act (N.J.S.A. 13:1B-15.128 *et seq.*). If so, an Application for Project Authorization will be completed and submitted to the NJHPO for review.

7. Effects Determination and Alternatives Analysis Report

- Once the eligibility phase is complete, and the Program design is more defined, an Effects Determination Report will be prepared that assesses the effects of the Program on NRHP-listed and -eligible historic properties.

- The report will also incorporate an analysis of alternatives that were considered for the Program to avoid impacts to significant historic properties.

If it is determined that the Program will result in adverse effects to historic properties, NJTA, the lead federal agency, and AECOM will work with the NJHPO and the consulting parties to develop a Memorandum of Agreement (MOA) that will include measures to avoid, minimize, or mitigate adverse effects. The document will be created, circulated and executed in accordance with Section 106 of the NHPA.

AECOM appreciates your consideration of the enclosed material and timely response to the proposed revised methodology as described herein. Should you have any questions, please feel free to contact me at 610-234-5097 or at vanessa.zeoli@aecom.com.

Sincerely,



Vanessa Zeoli
Senior Architectural Historian
vanessa.zeoli@aecom.com
610-234-5097

AECOM
437 High Street
Burlington, New Jersey 08016
609-386-5444

Attachments: Attachment A – Example Inventory Table
Attachment B – Initiation of Project Consultation, Submitted to NJHPO on 8/18/21

cc: Maynard Abuan, NJTA Program Manager and Senior Project Engineer
Sam Donelson, AECOM Program Manager
Christine Tiernan, AECOM Environmental Manager

ATTACHMENT A
EXAMPLE INVENTORY TABLE

Resource Photo	AECOM Survey Code	Location/ Address	Property Type	No. of Buildings	Approx. Construction Date	Building description	Integrity	AECOM Eligibility Recommendation	Preliminary Effects Assessment
	ORRT_158	1110 TABLE ROCK RD	Residential	1	1960	One-story, Ranch-style dwelling. Asphalt roofing, modern casement windows, modern multi-light bay window, attached two-bay garage, aluminum carport.	Medium	Recommended Not Eligible	No Effect
	ORRT_339	1885 BIGLERVILLE RD	Residential	2	1940	1.5-story, front-gabled dwelling. Aluminum siding, aluminum windows, asphalt roof. Shed roof dormer addition, one-story front and side addition, one-story rear addition.	Low	Recommended Not Eligible	No Effect
	ORRT_340	1886 BIGLERVILLE RD	Residential	2	1940	1.5-story, side-gabled dwelling with recessed porch. Aluminum siding, aluminum windows. Gabled dormer in south slope of roof.	Medium	Recommended Not Eligible	No Effect
	ORRT_341	1853 BIGLERVILLE RD	Residential	2	1965	Two-story, hipped roof, vinyl siding, vinyl windows, asphalt roof. Modern tool shed at rear of building.	Low	Recommended Not Eligible	No Effect

ATTACHMENT B

INITIATION OF PROJECT CONSULTATION

SUBMITTED TO NJHPO ON 8/18/21



New Jersey Historic Preservation Office

Email Submittal Form

HPO USE ONLY

Project#:

Date Rcvd:

Date Due:

Assigned:

Rev. 4/2020

I. REVIEW DETAILS

New Request? Yes No (Prior HPO Project Number:)

Project / Property Name:

Location: County: Municipality: Multiple:

Street Address:

Block: Lot: Latitude: Longitude:

Review Type: (Check all that apply)

Section 106: Initiation Identification Assess Effects Resolve Adverse Effects Mitigation

NJ Register Project Authorization

National Register: Preliminary App. COE Request Draft Nom. Revised Draft Nom. Other

ITC Review: Part 1 Part 2 Part 3 Other

DEP Review: FWW CAFRA UW/WD SRP Other

Technical Assistance

Other (Describe below)

Description:

II. CONTACT DETAILS

Name:

Organization:

Mailing Address:

City/State/Zip:

Phone:

Email:

III. ATTACHMENTS

Check all that apply:

Please email this form and PDF attachments to: NJHPO@dep.nj.gov

IMPORTANT: There is a maximum email size limit of 25 MB to the NJHPO email account. If supporting documentation exceeds 25 MB, check the box below to request a temporary OneDrive upload link.

REQUEST UPLOAD LINK:

Please refrain from submitting duplicate hard copy documentation when using this form. Some processes may require follow-up submission of hard copy originals; HPO will notify the requestor when applicable.

- Cover Letter or Transmittal Memo
Detailed Description/Scope of Work
Location Map
Forms (Nomination, NJ Register Review, ITC, etc.)
Site/Project Plans
Project Specifications
Digital Images
Reports
Other (Please describe):

All attachments should be in PDF format.

IV. ADDITIONAL COMMENTS

August 18, 2021

Ms. Katherine Marcopul
New Jersey Historic Preservation Office
New Jersey Department of Environmental Protection
Mail Code 501-04B, P.O. Box 420
Trenton, New Jersey 08625-0420

Re: New Jersey Turnpike Interchange 1 to 4 Widening Program
Salem, Gloucester, Camden, and Burlington Counties
Initiation of Project Consultation

Dear Ms. Marcopul,

On behalf of the New Jersey Turnpike Authority (NJTA), AECOM is initiating cultural resource consultation for the proposed New Jersey Turnpike Interchange 1 to 4 Widening Program (the Program). The NJTA proposes to widen the existing New Jersey Turnpike by one lane in each direction between Interchanges 1 and 4. This document describes the proposed undertaking for the Program as it is understood at this date, as well as our proposed methodology for cultural resource investigations. We are requesting the New Jersey Historic Preservation Office's (NJHPO) review of AECOM's plans to identify cultural resources that may be affected by the program.

Regulatory Context

The Program will require both state and federal permits and as a result, consultation with the NJHPO will be necessary. It is anticipated the Program will pursue the following permits, triggering NJHPO consultation under several statutes: the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B et seq.), the Waterfront Development Law (N.J.S.A. 12:5-3), Flood Hazard Area Control Act (N.J.S.A. 58:16A), and the Coastal Area Facility Review Act (N.J.S.A. 13:19-1 et seq.). Because the Program will also require permits from the U.S. Army Corps of Engineers (USACE) and the U.S. Coast Guard (USCG) it is considered a federal undertaking, and as such, is subject to review under Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended, and its implementing regulations, 36 CFR Part 800. It is also subject to review under the National Environmental Policy Act of 1970 (NEPA).

Description of the Undertaking

The Program proposes to widen the New Jersey Turnpike mainline from two lanes in each direction to three lanes in each direction from Interchange 1 (Delaware Memorial Bridge) to just north of Interchange 4 (NJ 73, Camden, Philadelphia). The Program will also provide full-width left and right shoulders on the mainline and will address congestion as well as geometric and operational needs for all interchanges, ramps, toll plazas and service areas within the Widening Program limits. The Program may include the addition of one new interchange and will require the construction, modification, or replacement of approximately 52 bridges. Additional improvements are anticipated to include the elimination of existing median barrier openings, the replacement of sign structures, and other improvements necessary to make connections to and from the interchanges and service areas. The approximate limits of the Program are from Milepost 0.0 to Milepost 36.5; totaling approximately 36.5 miles through 17 municipalities in Salem, Gloucester, Camden, and Burlington Counties.

Historic Architectural Resources

Background Research

AECOM conducted a desktop search of NJHPO's files in an effort to determine the extent of previous cultural resource surveys in the vicinity of the project alignment. The desktop research was conducted online between May and July 2021 when the NJHPO was still closed to visitors due to the COVID-19 pandemic; files and reports will be obtained once in-person visits at NJHPO are permitted again. AECOM consulted the Historic Properties and Historic Districts layers available through LUCY, NJHPO's GIS-based cultural resources mapping application. The NJHPO layers were also used to generate a list of the architectural history focused cultural resource studies in the study area.

Previously Recorded Historic Architectural Resources

A 500-foot Study Area on either side of the New Jersey Turnpike right-of-way was used to identify historic architectural resources. A total of 124 historic architectural resources are located within the 500-foot Study Area. Of those, there are four historic properties that are either listed in or eligible for listing in the New Jersey Register of Historic Places (NJRHP) and the National Register of Historic Places (NRHP). These include two individual resources (a residence and a school) listed in the NJRHP and NRHP, one individual residence determined eligible by NJHPO, and one eligible railroad historic district determined eligible by NJHPO. In addition, one resource was previously determined as not eligible for listing in the NRHP. The remaining 119 resources have been identified by previous studies, but have not been assessed for NJRHP or NRHP eligibility. See Table 1 below and the Resource Location Maps in Appendix A for a list of historic architectural resources within the 500-foot Study Area.

Table 1. Previously Recorded Historic Architectural Resources in the Study Area

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
Salem Canal; Penn's Neck Canal; Salem Creek Canal; Deepwater Canal		Pennsville, Carneys Point	Salem	Identified
	4 Broad Street	Pennsville	Salem	Identified
	5 Broad Street	Pennsville	Salem	Identified
	5 Broad Street	Pennsville	Salem	Identified
	8 Broad Street	Pennsville	Salem	Identified
	11 Broad Street	Pennsville	Salem	Identified
	13 Broad Street	Pennsville	Salem	Identified
	14 Broad Street	Pennsville	Salem	Identified
	15 Broad Street	Pennsville	Salem	Identified
	16 Broad Street	Pennsville	Salem	Identified
	18 Broad Street	Pennsville	Salem	Identified
	19 Broad Street	Pennsville	Salem	Identified
	21 Broad Street	Pennsville	Salem	Identified
	23 Broad Street	Pennsville	Salem	Identified
	26 Broad Street	Pennsville	Salem	Identified
	27 Broad Street	Pennsville	Salem	Identified
	101 Broad Street	Pennsville	Salem	Identified
	1 Canal Road	Pennsville	Salem	Identified
	13 Canal Road	Pennsville	Salem	Identified
	15 Canal Road	Pennsville	Salem	Identified
	17 Canal Road	Pennsville	Salem	Identified
	18 Canal Street	Pennsville	Salem	Identified
	18 Canal Street	Pennsville	Salem	Identified
	22 Canal Street	Pennsville	Salem	Identified
	27 Canal Street	Pennsville	Salem	Identified
	3-5 Chester Avenue	Pennsville	Salem	Identified
	5 Harrison Street	Pennsville	Salem	Identified

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
	6 Harrison Street	Pennsville	Salem	Identified
	7 Harrison Street	Pennsville	Salem	Identified
	8 Harrison Street	Pennsville	Salem	Identified
	2 Monroe Street	Pennsville	Salem	Identified
	3 Monroe Street	Pennsville	Salem	Identified
	14 Monroe Street	Pennsville	Salem	Identified
	16 Monroe Street	Pennsville	Salem	Identified
	18 Monroe Street	Pennsville	Salem	Identified
		Pennsville	Salem	
	526 North Broadway	Pennsville	Salem	Identified
Little Caesar's Pizza	530 North Broadway	Pennsville	Salem	Identified
	532 North Broadway	Pennsville	Salem	Identified
	533 North Broadway	Pennsville	Salem	Identified
Travagini's Restaurant	538 North Broadway	Pennsville	Salem	Identified
	542 North Broadway	Pennsville	Salem	Identified
	19 Van Buren Street	Pennsville	Salem	Identified
	20 Van Buren Street	Pennsville	Salem	Identified
	21 Van Buren Street	Pennsville	Salem	Identified
	48 Van Buren Street	Pennsville	Salem	Identified
	50 Van Buren Street	Pennsville	Salem	Identified
	600 Cedar Crest Drive	Carneys Point	Salem	Identified
	601 Cedar Crest Drive	Carneys Point	Salem	Identified
	602 Cedar Crest Drive	Carneys Point	Salem	Identified
	611 Cedar Crest Drive	Carneys Point	Salem	Identified
	714 Courses Landing Road	Carneys Point	Salem	Identified
	747 Courses Landing Road	Carneys Point	Salem	Identified
Jordan Family Farm	747 Courses Landing Road	Carneys Point	Salem	Identified
	762 Harding Highway	Carneys Point	Salem	Identified
	772 Harding Highway	Carneys Point	Salem	Identified
	601 Hawks Bridge Road	Carneys Point	Salem	Identified
	603 Hawks Bridge Road	Carneys Point	Salem	Identified
	605 Hawks Bridge Road	Carneys Point	Salem	Identified
	609 Hawks Bridge Road	Carneys Point	Salem	Identified
	10 Layton's Lake Drive	Carneys Point	Salem	Identified
	30 Layton's Lake Drive	Carneys Point	Salem	Identified
	107 North Broad Street	Carneys Point	Salem	Identified
	109 North Broad Street	Carneys Point	Salem	Identified
	612 Soders Road	Carneys Point	Salem	Identified
	622 Soders Road	Carneys Point	Salem	Identified
	628 Soders Road	Carneys Point	Salem	Identified
	637 Soders Road	Carneys Point	Salem	Identified
	598 Sorenson Road	Carneys Point	Salem	Identified
	268 Wiley Road	Carneys Point	Salem	Identified
	356 Wiley Road	Carneys Point	Salem	Identified
MJS Truck Plaza	360 Wiley Road	Carneys Point	Salem	Identified
Rankin Truck Brokers	Wiley Road	Carneys Point	Salem	Identified
Salem County Bridge No. 212 over Game Creek	Wiley Road	Carneys Point	Salem	Identified
	633 Williamsburg Avenue	Carneys Point	Salem	Identified
	635 Williamsburg Avenue	Carneys Point	Salem	Identified
	637 Williamsburg Avenue	Carneys Point	Salem	Identified
	78 Main Street	Oldmans	Salem	Identified
	343 Pedricktown-Woodstown Road	Oldmans	Salem	Identified
	344 Pedricktown-Woodstown Road	Oldmans	Salem	Identified
	149 Pennsville-Auburn Road	Oldmans	Salem	Identified

Name	Name/Address	Municipality	County	NJRHP/NRHP Status
	17 Pointers-Auburn Road	Oldmans	Salem	Identified
	56 Pointers-Auburn Road	Oldmans	Salem	Identified
	84 Pointers-Auburn Road	Oldmans	Salem	Identified
	194 Pointers-Auburn Road	Oldmans	Salem	Identified
	500 Auburn Road	Pilesgrove	Salem	Identified
Woolwich Township Agricultural Historic District		Woolwich	Gloucester	Not Eligible
Clearview farm	2183 Clearview Farm	Woolwich	Gloucester	Identified
	307 King's Highway	Woolwich	Gloucester	Identified
	325 King's Highway	Woolwich	Gloucester	Identified
Old Swedes Inn	301-305 King's Highway	Woolwich	Gloucester	Identified
	King's Highway	Woolwich	Gloucester	Identified
	Russell Mill Road	Woolwich	Gloucester	Identified
	Russell Mill Road	Woolwich	Gloucester	Identified
Stewart Farm	US Highway 322	Woolwich	Gloucester	Identified
	Cohawkin Road	East Greenwich	Gloucester	Identified
	552 Still Run Road	East Greenwich	Gloucester	Identified
	Tomlin Station Road	East Greenwich	Gloucester	Identified
Southwest Counseling	Griscom Lane	West Deptford	Gloucester	Identified
Lord-Moore House	Parkville Road	West Deptford	Gloucester	Identified
Strawberry Vale	392 Parkville Station Road	West Deptford	Gloucester	Identified
West Jersey & Seashore Railroad/Pennsylvania Reading Seashore Lines		Woodbury Heights	Gloucester	Identified
	364 Barlow Avenue	Woodbury Heights	Gloucester	Identified
Preferred Automotive	380 Barlow Avenue	Woodbury Heights	Gloucester	Identified
	347 Glassboro Road	Woodbury Heights	Gloucester	Identified
	355 Glassboro Road	Woodbury Heights	Gloucester	Identified
	363 Glassboro Road	Woodbury Heights	Gloucester	Identified
Sullivan House	750 Cooper Street	Deptford	Gloucester	Eligible (SHPO Opinion)
Nathan Ward House	Poplar Road	Deptford	Gloucester	Identified
	321 Saunders Avenue	Bellmawr	Camden	Identified
	12 East Williams Avenue	Barrington	Camden	Identified
	110 East Williams Avenue	Barrington	Camden	Identified
	913 Lenton Avenue	Barrington	Camden	Identified
	944 Lenton Avenue	Barrington	Camden	Identified
	4 Little Lane	Barrington	Camden	Identified
	15 Little Lane	Barrington	Camden	Identified
	100 Reamer	Barrington	Camden	Identified
	130 Shreve Avenue	Barrington	Camden	Identified
Peter Mott House	26 King's Court	Lawnside	Camden	NJRHP and NRHP Listed
Lawnside School	23 North Warwick Road	Lawnside	Camden	NJRHP and NRHP Listed
Camden and Atlantic Railroad Historic District		Cherry Hill	Camden	Eligible (SHPO Opinion)
	1603 Atlantic Avenue	Cherry Hill	Camden	Identified
	1921 Old Cuthbert Road	Cherry Hill	Camden	Identified
	2 Lakeside Avenue	Cherry Hill	Camden	Identified
	1801 Old Cuthbert Road	Cherry Hill	Camden	Identified

Previous Studies

AECOM reviewed NJHPO data via the New Jersey Department of Environmental Protection's (NJDEP) DataMiner online search portal to identify the previous architectural history-related studies conducted in the 500-foot study area. Physical reports will be obtained from NJHPO once the office is opened for in-person visits. These studies represent the investigations that documented the historic architectural resources listed in Table 1. See Table 2 below for a list of those studies.

Table 2. Previous Architectural History-Related Studies within the Study Area

NJHPO Report Code	Report Name
CAM GB 64 v12	Intensive-Level Survey of Historic Resources, Camden County, Phase III, Cherry Hill Township
CAM GB 64 v7	Intensive-Level Survey of Historic Resources, Camden County, Phase III, Barrington Borough
CAM GB 64 v8	Intensive-Level Survey of Historic Resources, Camden County, Phase I, Bellmawr Borough
GLO C 747d	Reconnaissance- and Intensive-Level Historic Architectural Survey, The Villages I at Weatherby, Woolwich Township, Gloucester County, New Jersey
GLO GB 98 v1	Gloucester County Cultural Resources Survey
GLO GB 98 v18	Gloucester County Cultural Resources Survey
GLO GB 98 v24	Gloucester County Cultural Resources Survey: Woolwich Township
GLO GB 98 v3	Gloucester County Cultural Resources Survey
GLO GB 98 v4	Gloucester County Cultural Resources Survey
MULT S 20a	Historic Architectural Reconnaissance Survey Report Glassboro-Camden Line Light Rail Project, Camden and Gloucester Counties, New Jersey
MULT S 20e	Historic Architectural Reconnaissance Survey Report, Addendum 2, Glassboro-Camden Line Light Rail Project, Camden and Gloucester Counties, New Jersey.
SAL C 1364	Phase IA Archaeological Survey and Reconnaissance-Level Historic Architectural Survey, Proposed Development, Pennsville Township, Salem County, New Jersey
SAL GB 160c v1	Salem County Historic Resources Survey for Carneys Point Township: Reconnaissance Level, 252 A St. - 155 Central Schoolhouse Rd.
SAL GB 160h v1	Salem County Historic Resources Survey for Oldmans Township: Reconnaissance Level, 11 Benjamin Green Rd. - 343 Pedricktown Woodstown Rd.
SAL GB 160J v1	Salem County Historic Resources Survey for Pilesgrove Township: Reconnaissance Level, 2 Allen Dr. - 315 E. Lake Dr.

Proposed Architectural History Methodology

While the Program will largely be confined to the existing ROW, there is potential to impact historic properties. Two railroad historic districts, including the NRHP-eligible Camden and Atlantic Railroad Historic District and the previously identified (but not evaluated) West Jersey & Seashore Railroad/Pennsylvania Reading Seashore Lines, intersect the Program alignment and have the potential to be physically impacted. There is also potential for indirect visual impacts that could result from the construction of new above-ground components or tree/vegetation clearing that could encroach on the viewshed of adjacent historic properties. While the New Jersey Turnpike, as a linear resource, is exempt from Section 106 evaluation, individual components such as bridges, tunnels and rest areas would require assessment, per the 2006 Advisory Council on Historic Preservation's (ACHP) "Exemption Regarding Historic Preservation Review Process for Effects to the Interstate Highway System."

AECOM proposes a preliminary area of potential effects (APE) for historic architectural resources be limited to parcels intersected by a 250-foot buffer on either side of the existing turnpike ROW. The APE is meant to consider potential direct and indirect effects of the Program and may be refined or expanded as the Program design is further developed. See Appendix A for Project Location Maps showing the preliminary APE.

AECOM proposes a reconnaissance-level survey to field verify the APE and identify historic architectural resources. Secretary of the Interior-qualified architectural historians will conduct field reconnaissance of parcels adjacent to the preliminary APE containing historic architectural resources over 48 years of age. While the typical threshold for NRHP evaluation is 50 years, the environmental compliance portion of the Program is anticipated to carry into 2023. Survey will be conducted from the public roadways, where possible. This survey will consist of field verifying the preliminary APE based on Program details to determine the extent of physical impacts (which may include such things as tree clearing on and vibratory impacts to adjacent private properties) as well as changes to the viewshed and potential noise impacts. Field Documentation will include both previously recorded and newly identified historic resources in the APE. Survey tasks will consist of high-resolution digital photography, notation of physical conditions of historic resources, and plotting newly identified resources on maps.

Based on an initial desktop review, there are 62 previously recorded resources within the 250-foot preliminary APE. In addition to the two railroad resources mentioned above, there are two individually listed (NRHP and NJRHP) resources: the Peter Mott House and Lawnside School, both in Lawnside Borough. There is one historic district determined to be not eligible, the Woolwich Township Agricultural Historic District. The remaining 57 resources have been identified, but not evaluated for NRHP or NJRHP eligibility.

For properties in the APE containing resources aged 48 years of age or older, AECOM will complete NJHPO Base Forms that will be accompanied by a report and submitted to NJHPO for review and comment. This will include previously recorded resources that have not been evaluated for NRHP or NJRHP eligibility, but also new resources that have not been previously identified. If NJHPO determines select resources require intensive level survey, AECOM will complete NJHPO intensive-level architectural survey forms for such resources.

If the Program has the potential to impact a historic resource listed in the NJRHP, the NJTA may be required to consult with NJHPO in accordance with the New Jersey Register of Historic Places Act (N.J.S.A. 13:1B-15.128 et. seq.). The Application for Project Authorization must be submitted by any state, county, or local government agency (or their lessees or agents) whose project, or undertaking, may encroach upon a New Jersey Register listed property if a proposed project were to have an adverse effect and therefore encroach upon a property listed in or found eligible for listing in the NJRHP, the Historic Sites Council could conduct a special public meeting specifically on the encroachment application.

All studies will be conducted in accordance with 1) the Guidelines for Historic and Architectural Surveys in New Jersey (1999); 2) Section 101 (b)(4) of the National Environmental Policy Act; 3) Sections 1(3) and 2(b) of Executive Order 11593; 4) Section 106 of the National Historic Preservation Act of 1966 (as amended); and 5) the amended Procedures for the Protection of Historic and Cultural Properties, as set forth in 36 CFR 800 (2001). All work will be performed by or under the direct supervision of individuals meeting the Secretary of Interior's Professional Qualifications Standards (36 CFR 61) for Architectural History.

Archaeological Resources

The extent of proposed direct impacts and the Archaeological APE for the project are unknown at this time. Impacts are anticipated along the north/south bound turnpike lanes, interchanges, bridge/culvert replacements, construction access routes, equipment laydown areas, stormwater management facilities, and other associated improvements. Preliminary engineering plans are anticipated in 2022.

Background Research

AECOM obtained archaeological site file information from the New Jersey State Museum. Future research is planned at the NJHPO when in-person research is permitted. Additional background research will be conducted over the course of the project. Twelve prehistoric and historic sites have been documented in or immediately next to the New Jersey Turnpike (Table 3). Five of these consist of

prehistoric artifact scatters; two sites are a mixed assemblage of prehistoric and historic artifacts; four sites are remnants of historic structures. While the construction and maintenance of the New Jersey Turnpike and associated utilities has impacted some sites (i.e., 28BU43 is recorded as having been obliterated), others are likely to not have been comprehensively impacted. The extent of archaeological investigations is limited at these sites. Site 28CA90 is identified as spanning 100 feet on either side of the New Jersey Turnpike between East Atlantic Avenue and the White Horse Pike and may represent remains of the 19th century African-American community of Lawnside. Prehistoric sites 28GL103, 28GL302, and 28GL252 are clustered around Cooper Street, immediately to the east of Woodbury Creek as it flows into Stewart Lake. Site 28GL301, 28GL211, and 28GL212 are clustered around Hesters Branch. Additional sites are registered within one mile of the New Jersey Turnpike. The distribution of known sites illustrates that portions of the APE within 500 feet of waterways and wetlands in the area have a higher potential for encountering prehistoric cultural deposits.

Table 3. Archaeological Sites abutting the New Jersey Turnpike between Interchanges 1 and 4

Site No.	Nearest Intersection	Period	Type (from site form)
28BU242	Elbo Lane	Historic	Farmstead
28BU43	North Branch of Pennsauken Creek	Prehistoric	Lithic site
28CA90	E. Atlantic Avenue to White Horse Pike	Historic	Small residential district.
28CA20	Exit 3 Interchange	Prehistoric	Surface points, scrapers, anvil, pottery, chips.
28GL303	Almonesson Road	Unknown	[No site form]
28GL103	Cooper Street	Prehistoric	Surface chips, potsherds, & fire broken rocks.
28GL302	Cooper Street	Prehistoric	Small prehistoric artifact scatter.
28GL252	Cooper Street	Prehistoric	Low to moderate density subsurface deposit of lithic artifacts, fire cracked rock, and ceramic sherds.
28GL301	Hesters Branch	Historic	Intact remains of mortared stone foundation.
28GL211	Hesters Branch	Both	Prehistoric/Historic scatter; no prehistoric or historic features.
28GL212	Hesters Branch	Both	Prehistoric/Historic scatter; no prehistoric or historic features.
28GL300	Parkville Road	Historic	Collapsed remains of frame structure with a concrete block foundation. Possible tenant house.

Proposed Archaeological Methodology

AECOM will complete a Phase I archaeological survey within the Archaeological APE once the design plans are further advanced. All studies will be conducted in accordance with (1) NJHPO guidelines 2) Section 101 (b)(4) of the National Environmental Policy Act; 3) Sections 1(3) and 2(b) of Executive Order 11593; 4) Section 106 of the National Historic Preservation Act of 1966 (as amended); and 5) the amended Procedures for the Protection of Historic and Cultural Properties, as set forth in 36 CFR 800 (2001). All work will be performed by or under the direct supervision of individuals meeting the Secretary of Interior's Professional Qualifications Standards (36 CFR 61) for Archaeology.

AECOM appreciates your consideration of the enclosed material and timely response to the proposed surveys and investigations as described herein. Should you have any questions about the architectural history studies, please feel free to contact me at 610-234-5097 or at vanessa.zeoli@aecom.com. Questions about archaeology can be directed to Jesse Walker at 609-977-2122 or jesse.walker@aecom.com.

Sincerely,



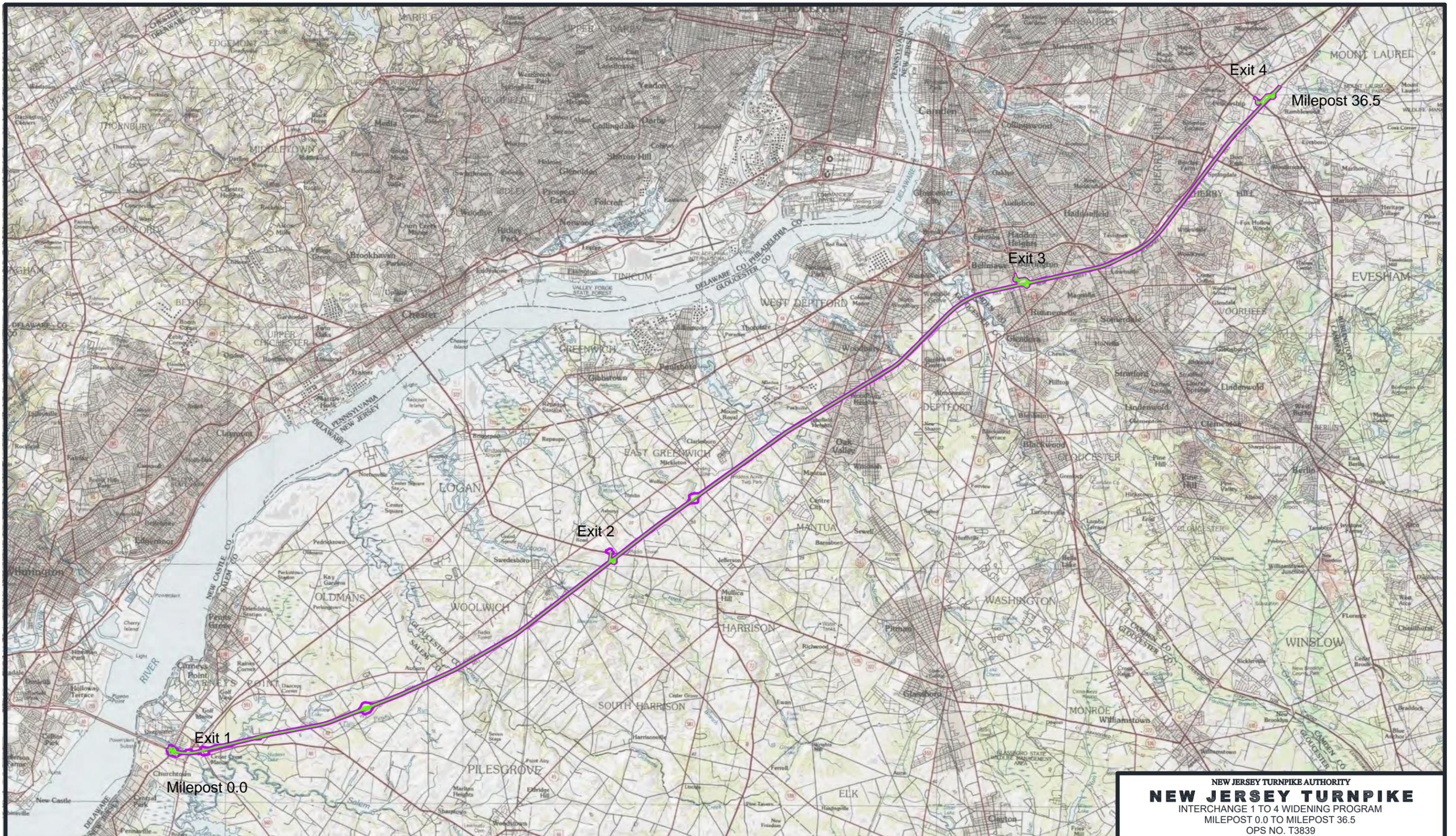
Vanessa Zeoli
Senior Architectural Historian
vanessa.zeoli@aecom.com
610-234-5097

AECOM
437 High Street
Burlington, New Jersey 08016
609-386-5444

Attachments: Attachment A – Project Location Map
Attachment B – Preliminary Historic Architectural APE Maps

cc: Maynard Abuan, Senior Project Engineer, NJTA
Sam Donelson, Project Manager, AECOM
Christine Tieman, Environmental Manager, AECOM

ATTACHMENT A
PROJECT LOCATION MAP



 New Jersey Turnpike Right-of-Way
 Project Centerline



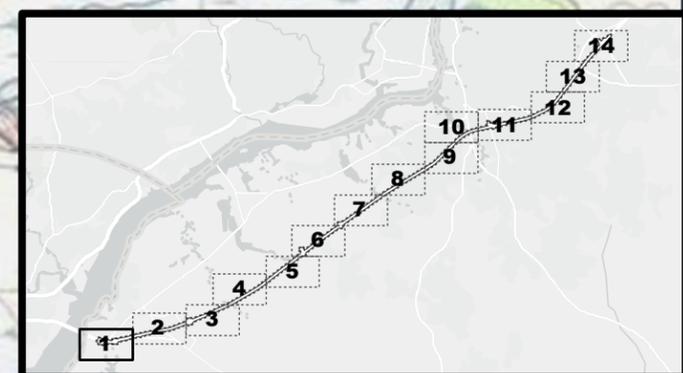
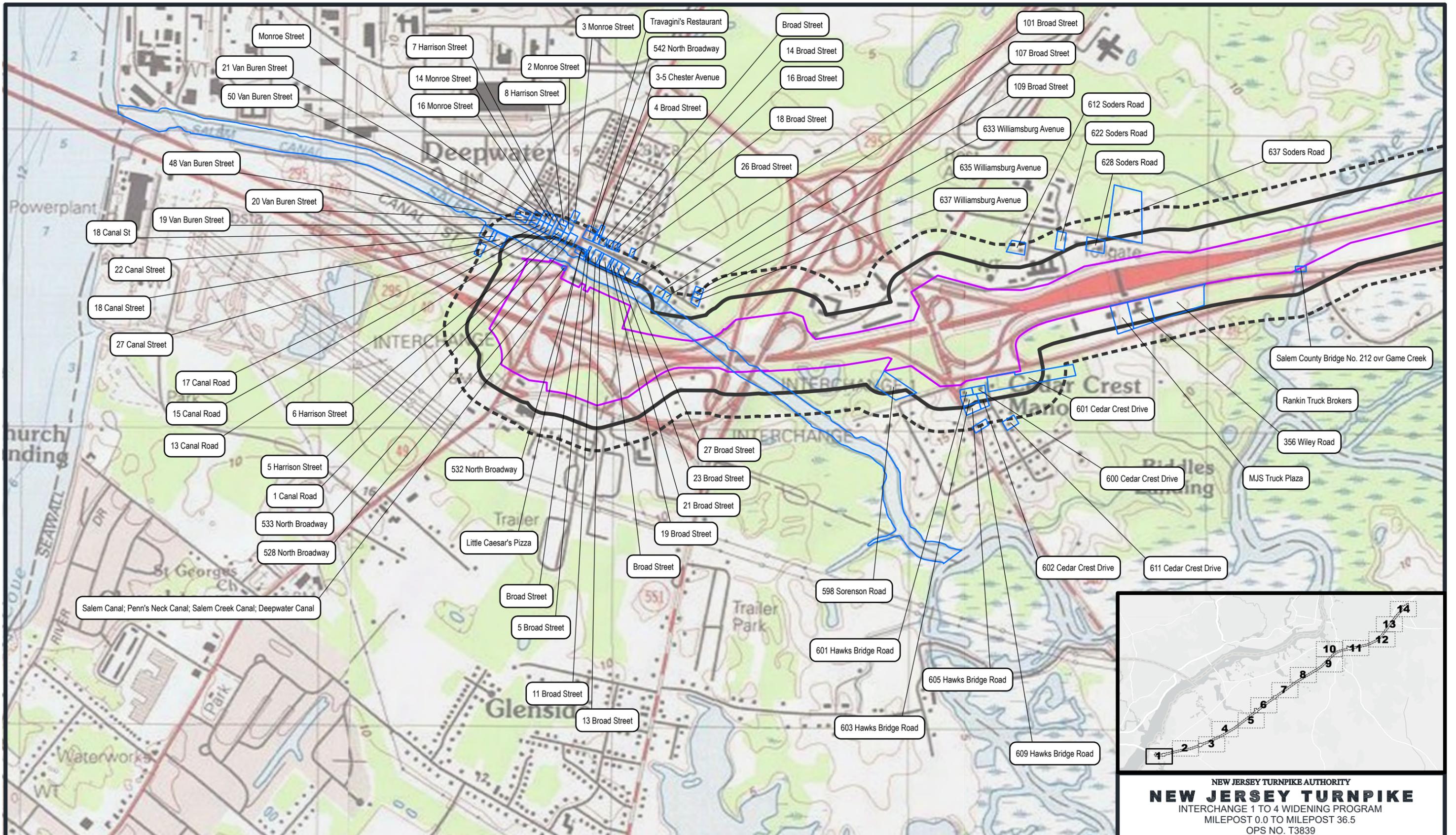
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Project Location Map
 Page 1


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ATTACHMENT B
PRELIMINARY HISTORIC ARCHITECTURAL APE MAPS



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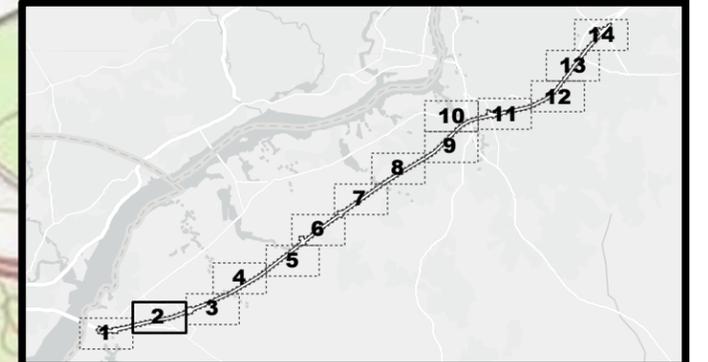
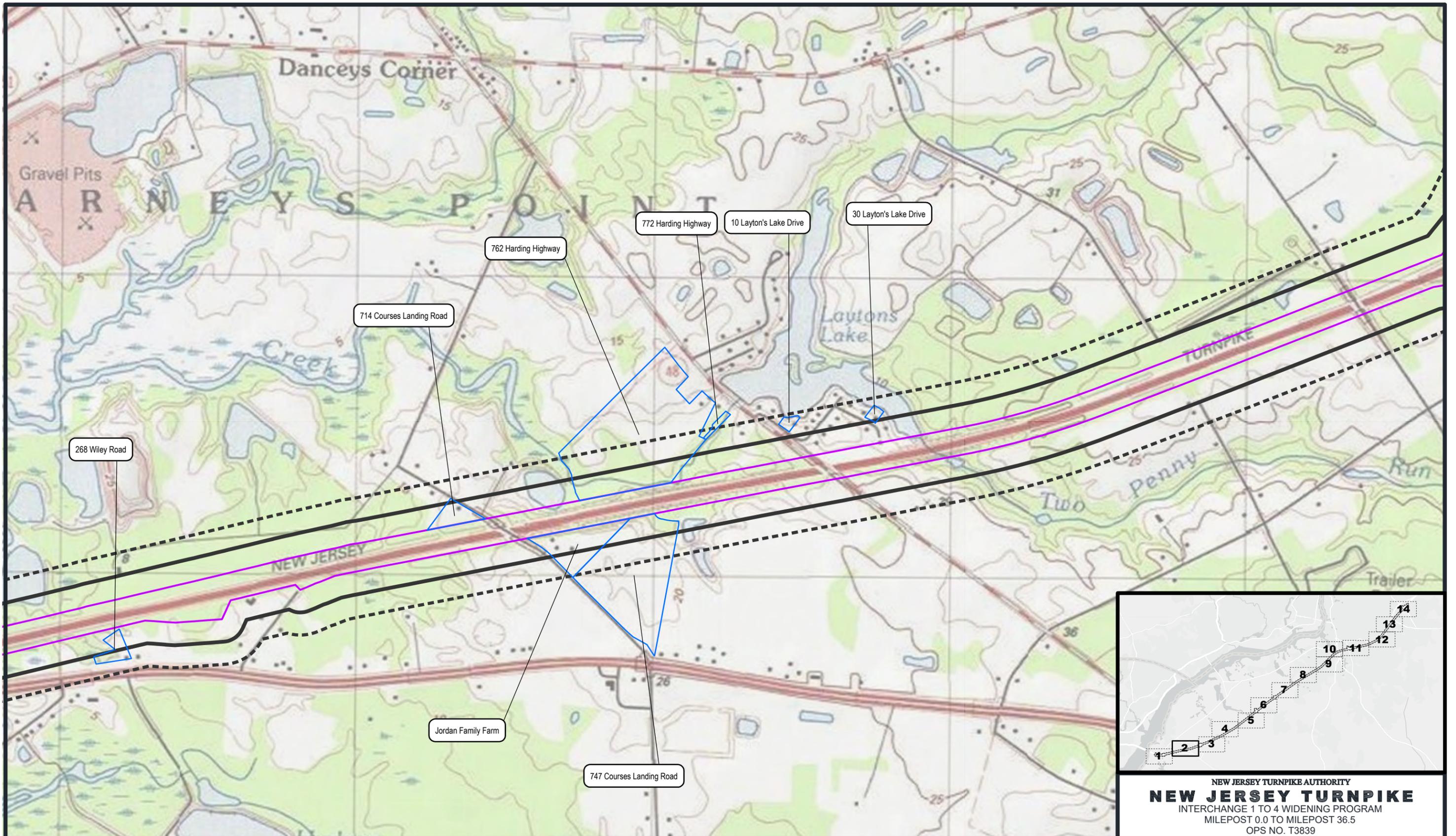
Preliminary Architectural History APE Map
 Page 1 of 14

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| Historic Properties | Historic Districts | New Jersey Turnpike Right-of-Way |
| NJRHP/NRHP Listed | SHPO Eligible | Preliminary Architectural History APE (250-foot) |
| SHPO Eligible | Identified | Architectural History Study Area (500-foot) |
| Identified | Not Eligible | |



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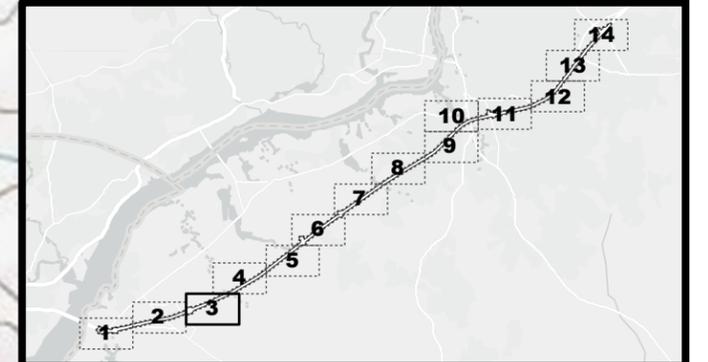
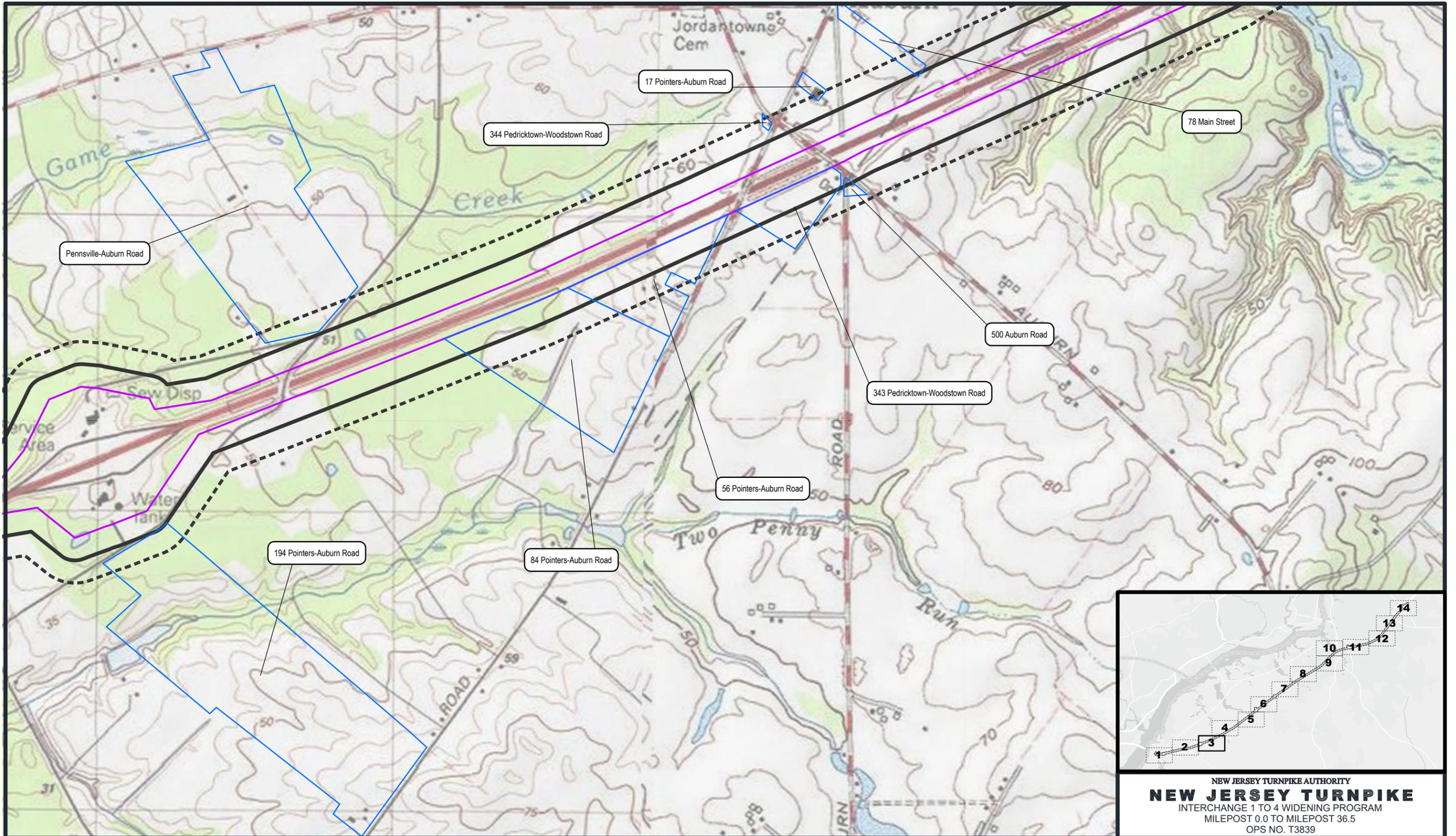
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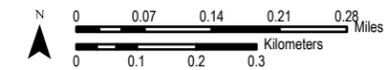
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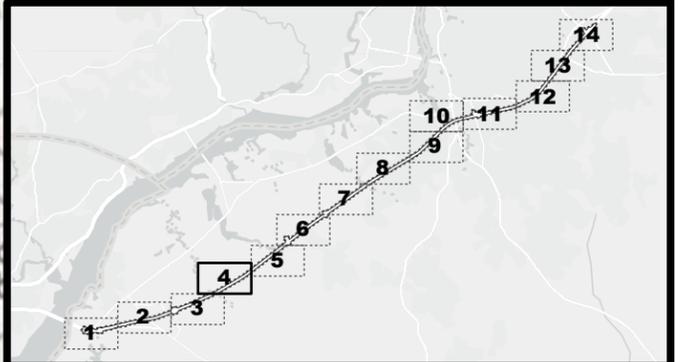
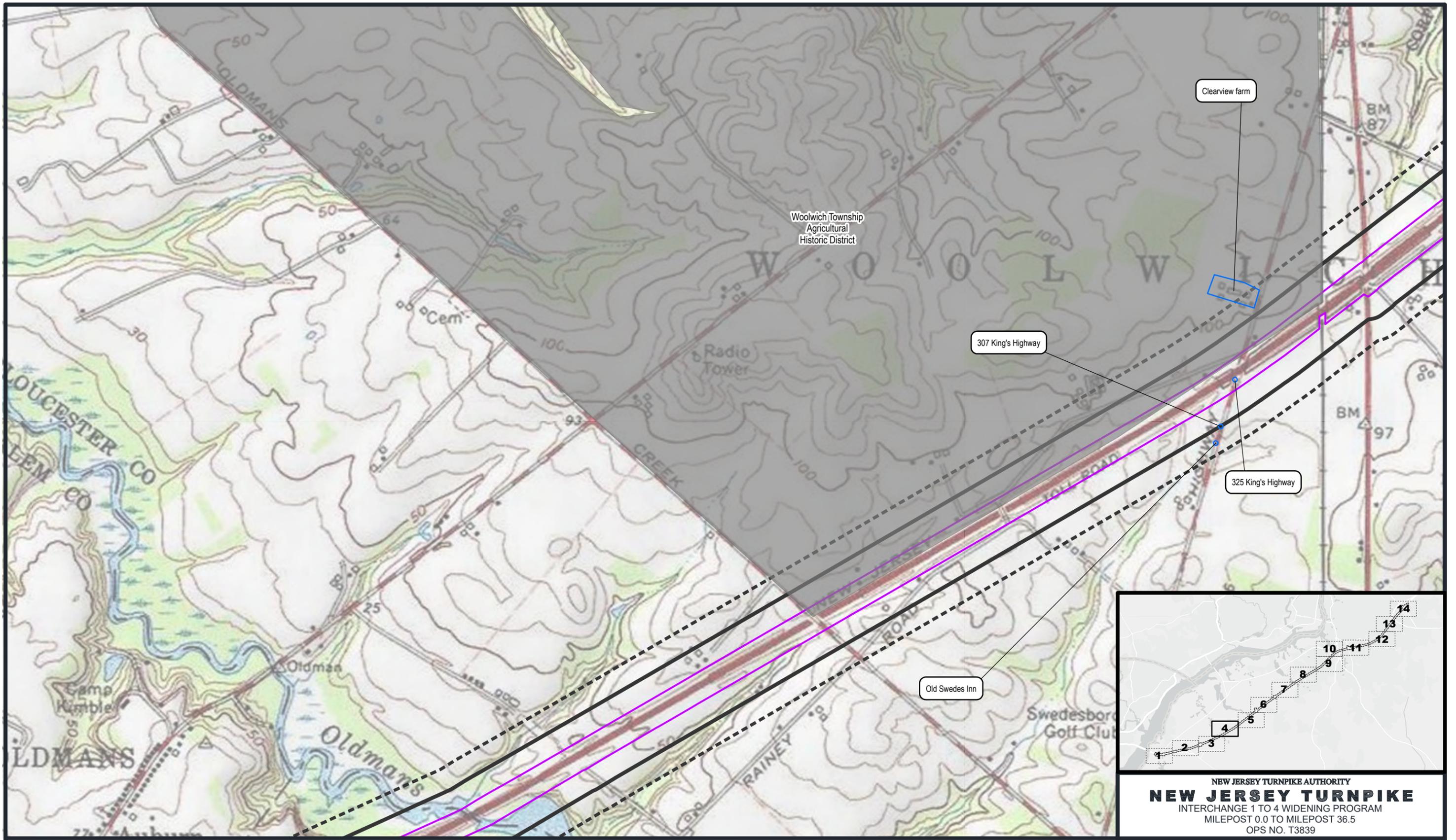
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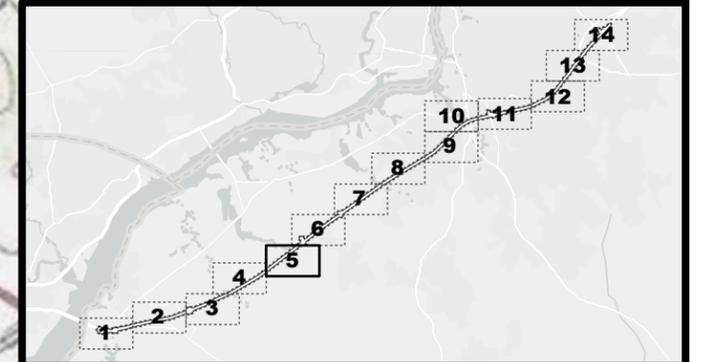
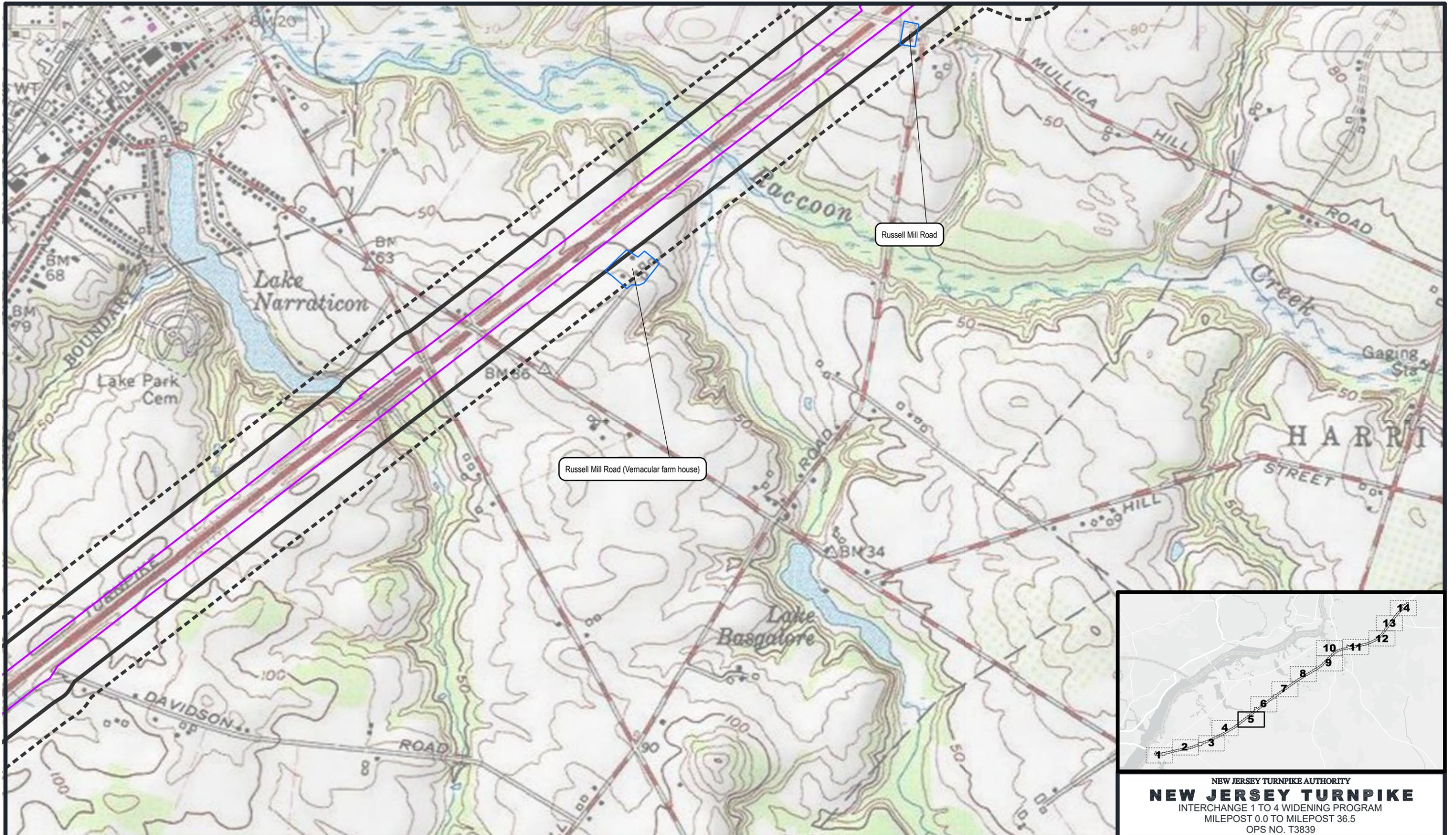
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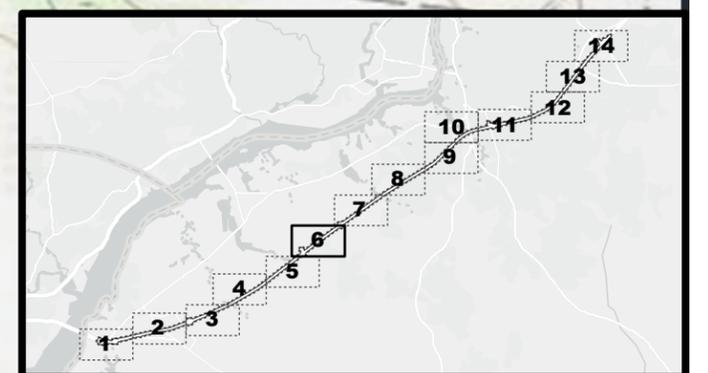
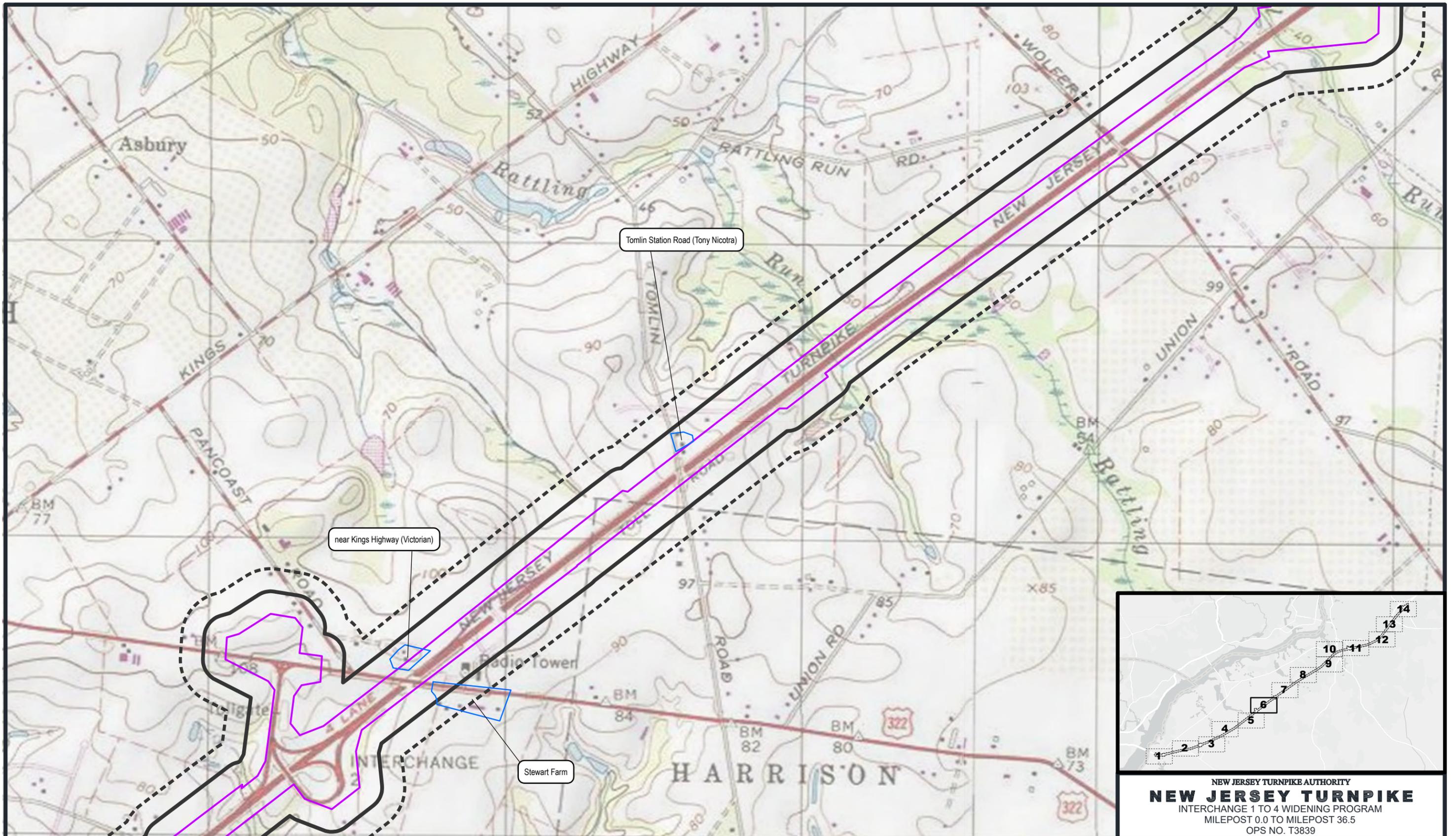
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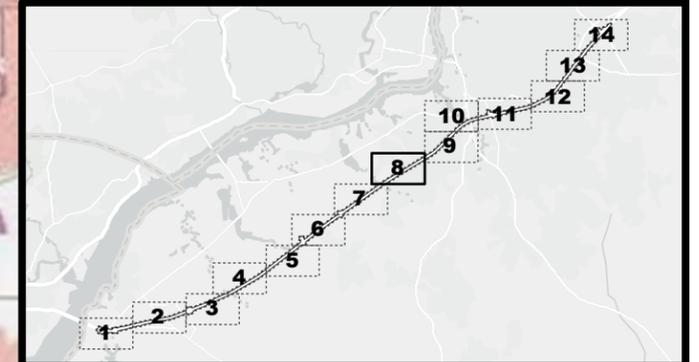
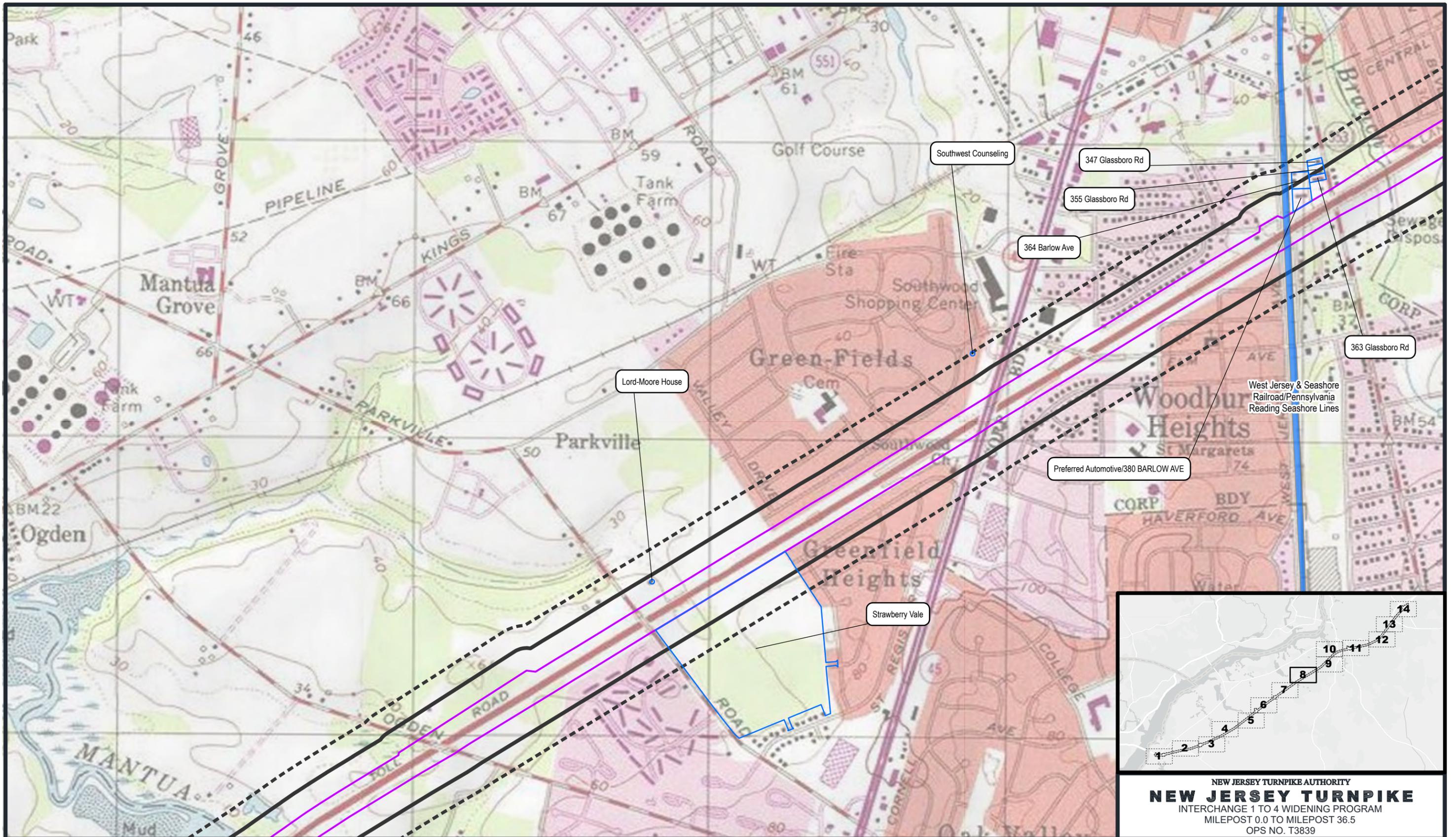
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Historic Properties	Historic Districts	
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SHPO Eligible	Identified	Preliminary Architectural History APE (250-feet)
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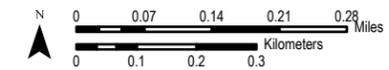
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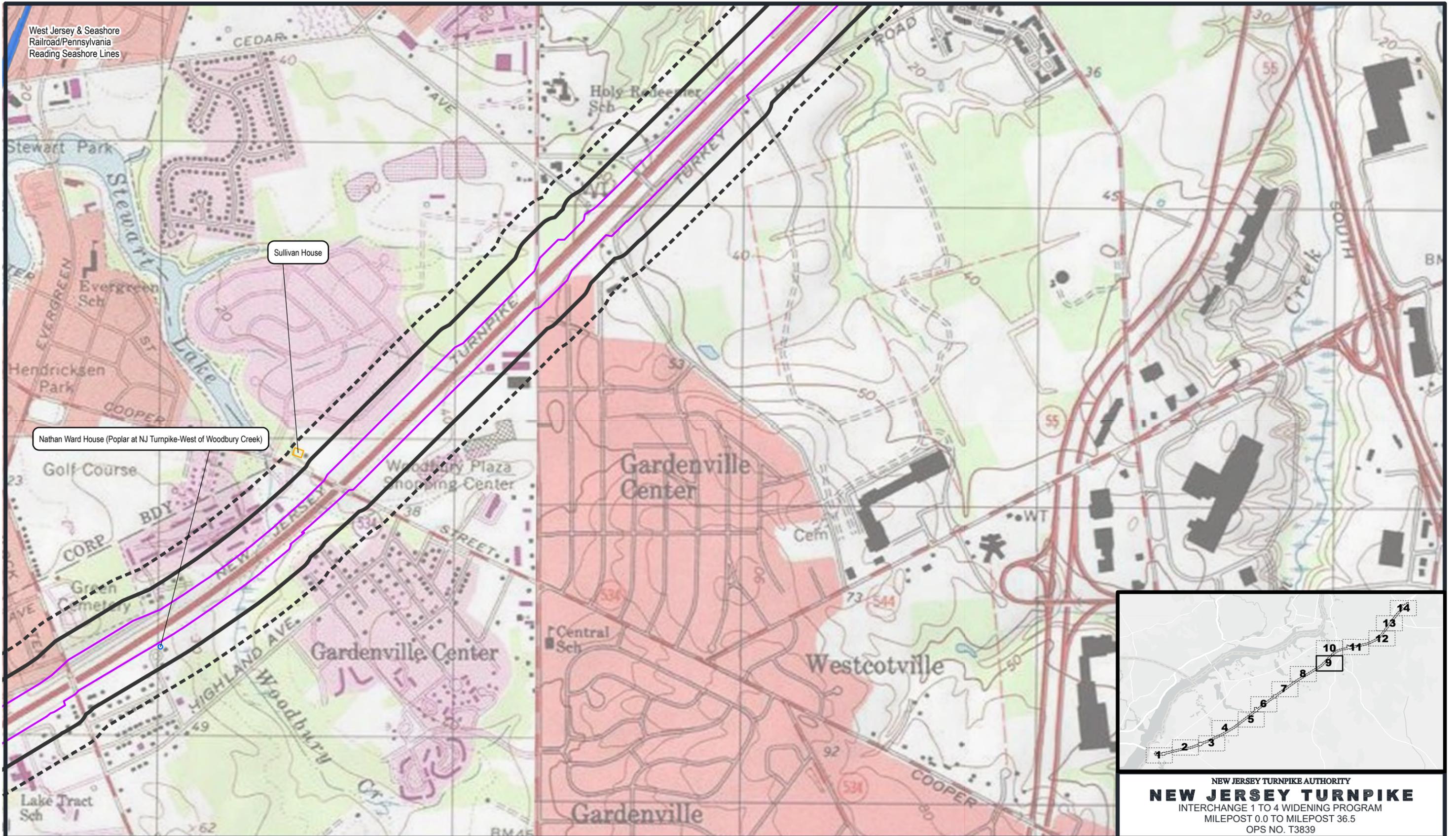


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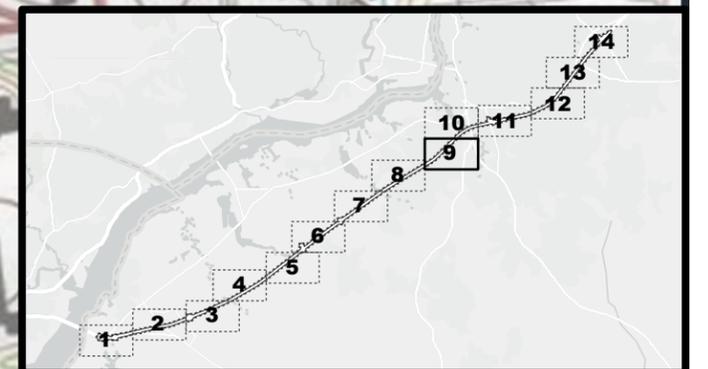
West Jersey & Seashore
Railroad/Pennsylvania
Reading Seashore Lines



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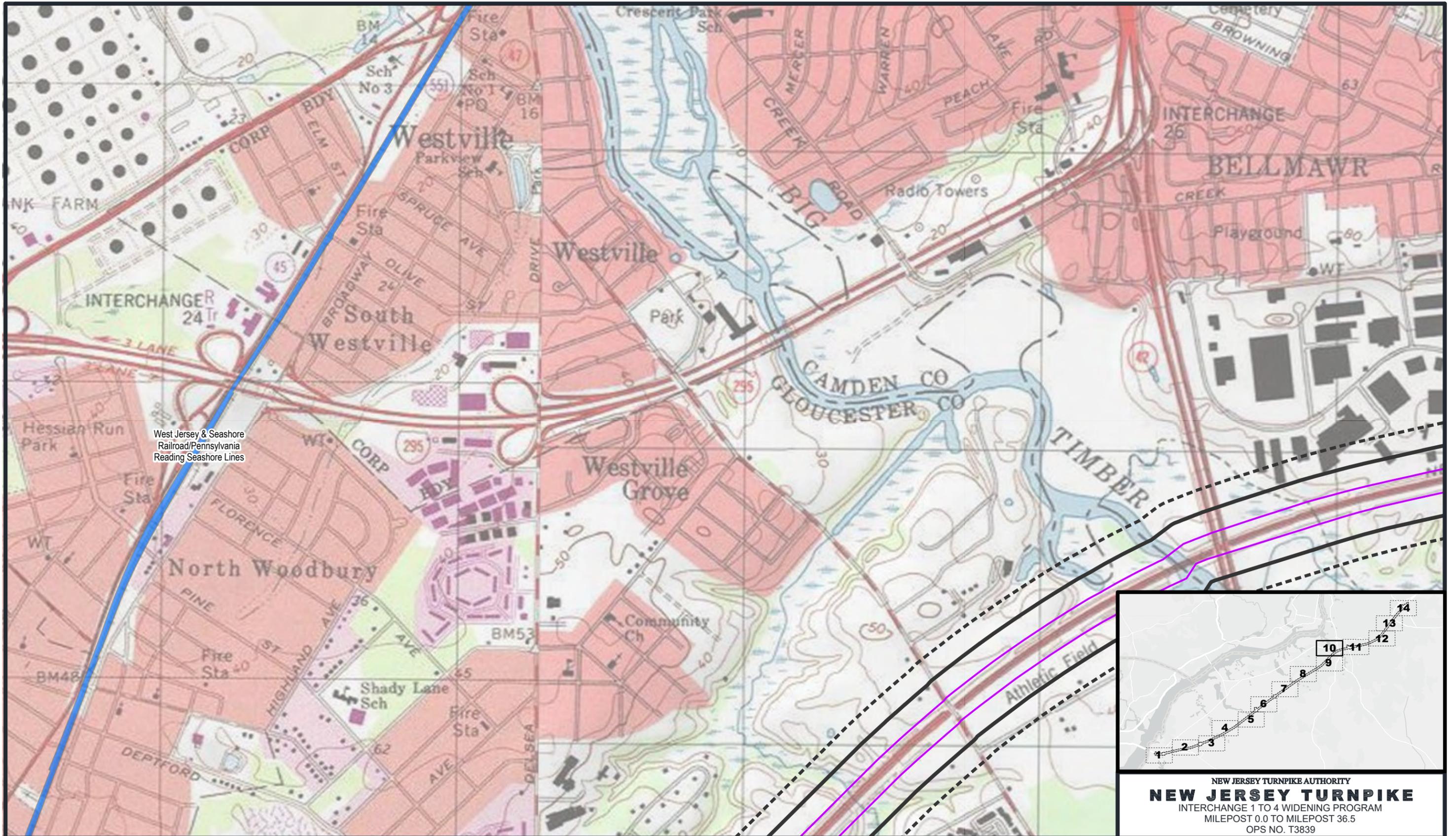


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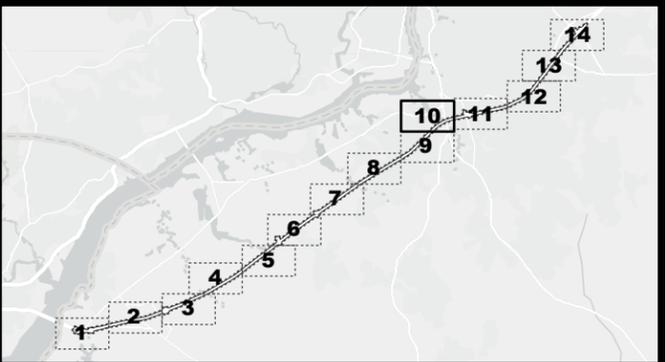
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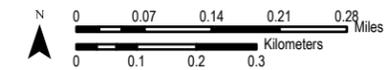
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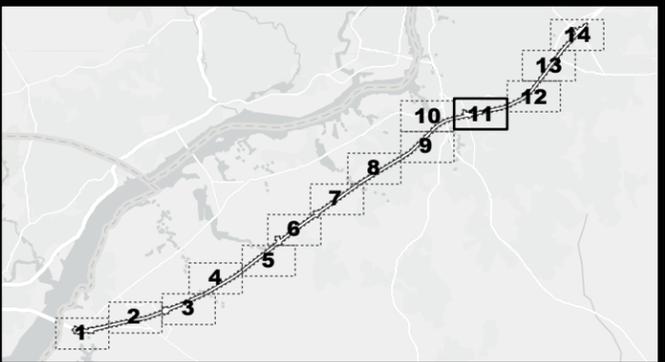
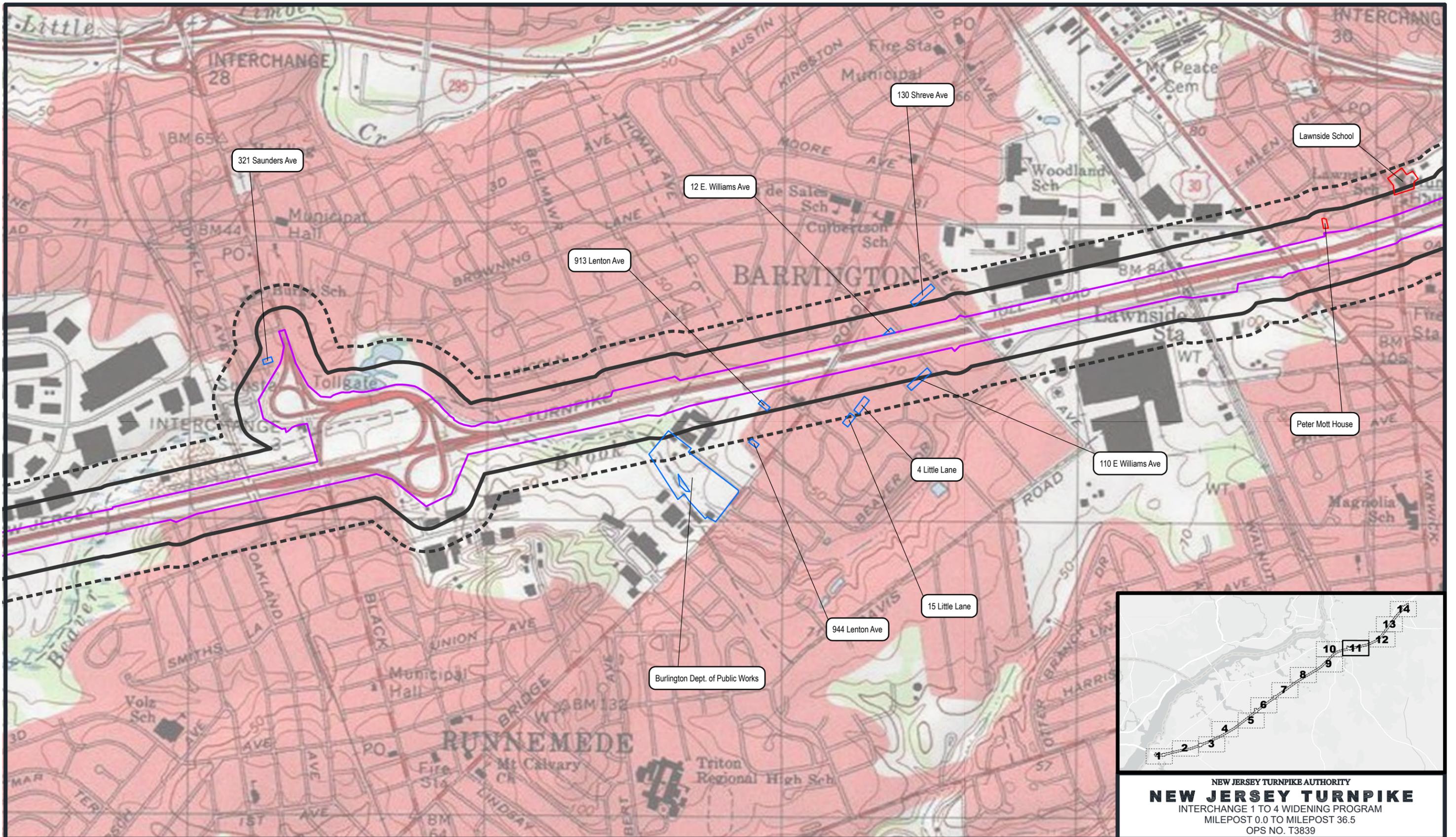
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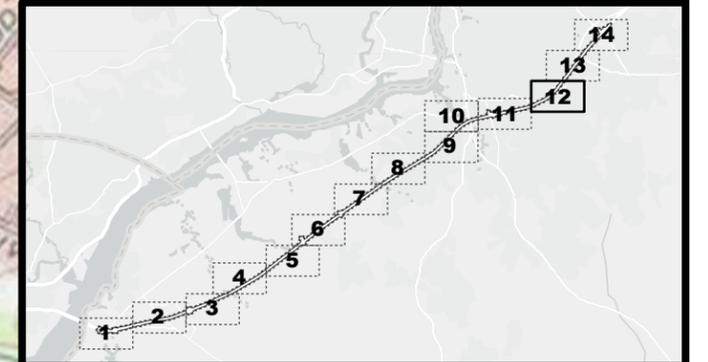
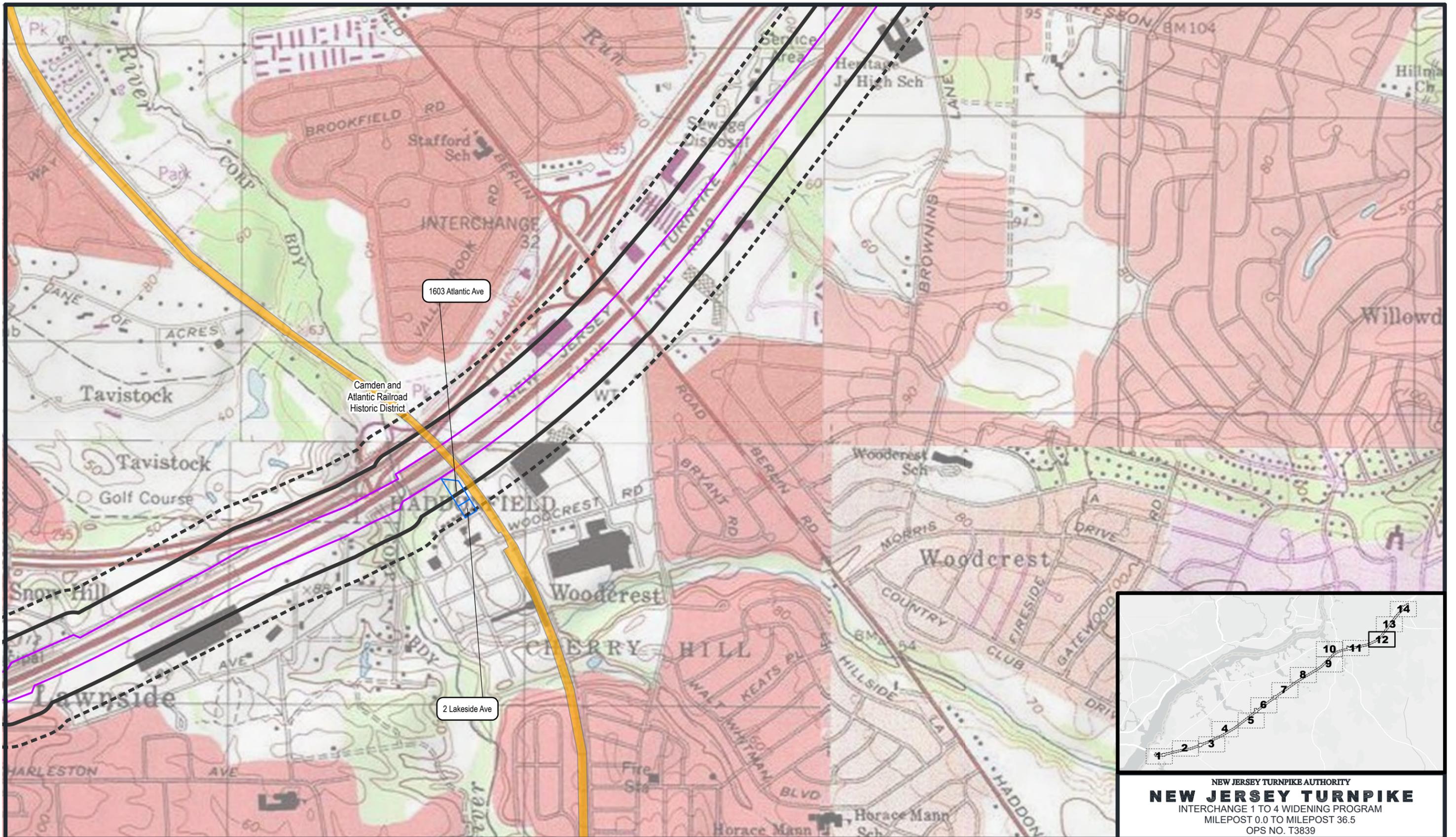
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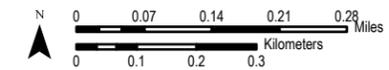
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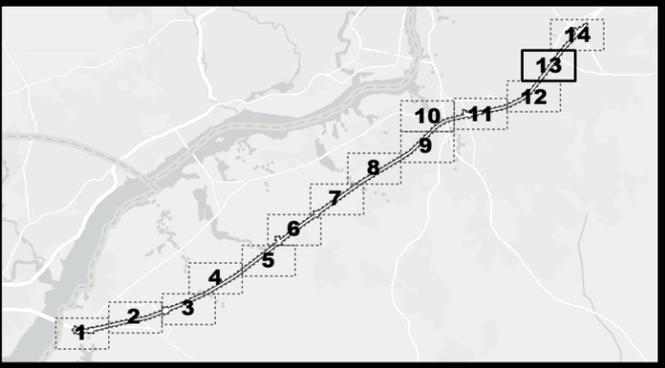
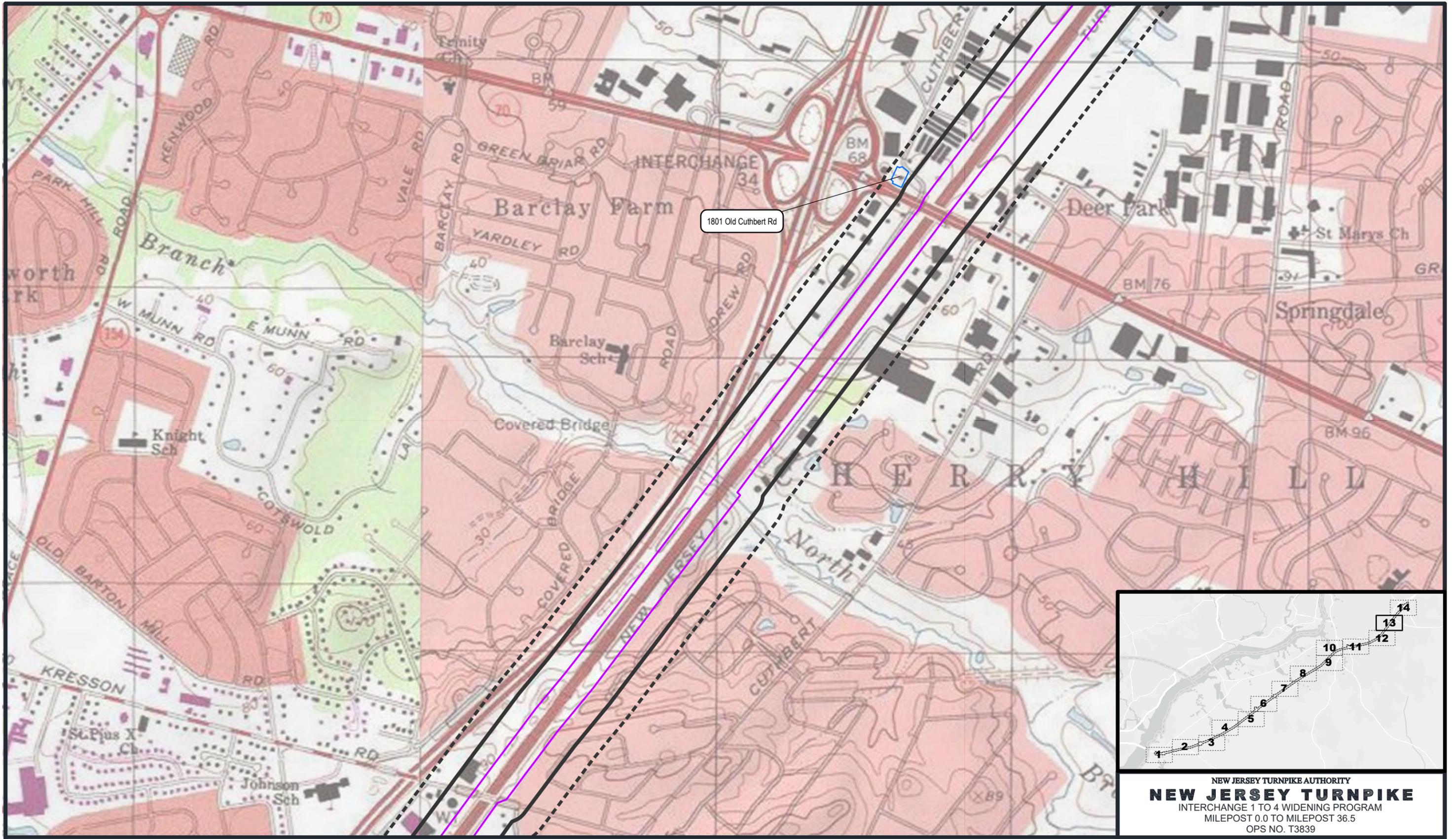
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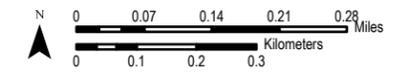
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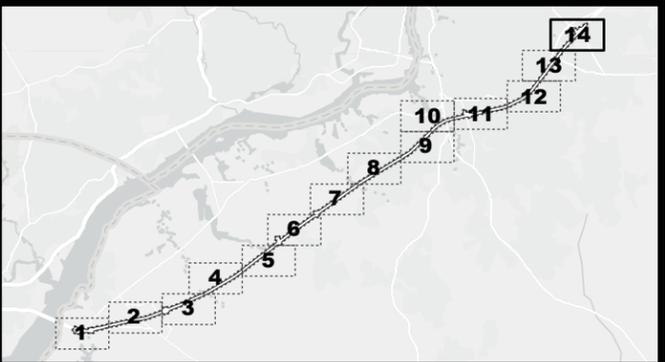
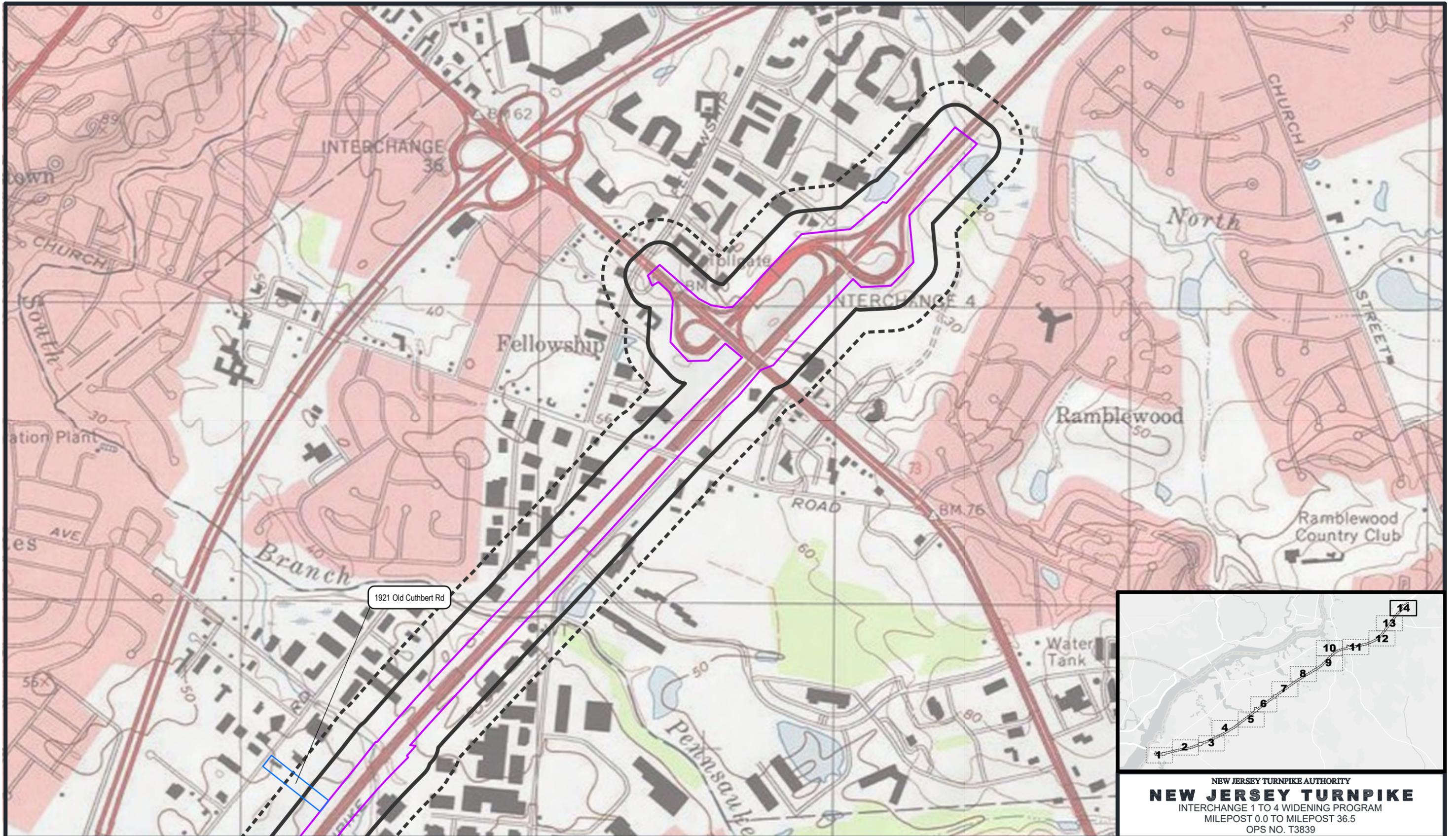
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