

Durham-Orange Light Rail Transit Project Section 106 Consulting Parties Meeting
Friday August 14, 2015
9:00 a.m. – 12:00 p.m.
AECOM Offices
1600 Perimeter Park Drive Morrisville, NC 27560
(Neuse Video Conference Room 111)

Meeting Agenda

- | | |
|--|----------------------------|
| 1. Introductions / Agenda | GoTriangle – Meghan Makoid |
| 2. Welcome /Goals of the Meeting | FTA – Carrie Walker |
| 3. Section 106 of the NHPA | AECOM – Marvin Brown |
| 4. Your Role in this Meeting | AECOM – Marvin Brown |
| 5. Project Overview | GoTriangle – Meghan Makoid |
| 6. Section 106 Process, Specific to this Project | AECOM – Marvin Brown |
| 7. Eligibility Determination | AECOM – Marvin Brown |
| 8. Determining Project Effects | AECOM – Marvin Brown |
| 9. FTA Preliminary Effects Determination | AECOM – Marvin Brown |
| 10. Discussion of Potential Design Commitments | ALL |
| 11. Next Steps | AECOM – Diane Cowin |



Section 106 Consulting Parties Meeting

August 14, 2015



Durham-Orange Light Rail Transit Project



Meeting Agenda



- Welcome & Introductions
- Goals of the Meeting
- Section 106 of the National Historic Preservation Act, Just the Basics
- Your Role in this Meeting
- Project Overview
- Section 106 Process
- Eligibility Determination
- Federal Transit Administration (FTA) Preliminary Effects Determination
- Discussion of Potential Design Commitments
- Next Steps

Goals of the Meeting



1. **Overview** of National Register for Historic Places (NRHP) Listed or Eligible Properties
2. **Review** the FTA Preliminary Determination of Effects
3. **Discussion on** Effects Determination and Design Commitments

Section 106 of the National Historic Preservation Act, Just the Basics



- Section 106 of the National Historic Preservation Act requires federal agencies to:
 - Determine resources in a project's Area of Potential Effects (APE) that are listed or eligible for listing in the National Register of Historic Places (NRHP)
 - Determine how listed and eligible Historic Properties might be affected by the project
 - Explore measures to avoid or reduce (mitigate) harm to any affected Historic Properties, and
 - Consult with the State Historic Preservation Officer (SHPO) on measures to resolve any Adverse Effects

Section 106 Process



Codified in
36 C.F.R. § 800

C
O
N
S
U
L
T
A
T
I
O
N

1. INITIATE the process

- Determine undertaking
- Coordination with other reviews (NEPA)
- Notify SHPO/THPO
- Identify Tribes and other Consulting Parties
- Plan to involve the public

Undertaking with potential to cause effects?

NO

YES

2. IDENTIFY historic properties

- Determine APE
- Identify historic properties
- Consult with SHPO/THPO, Tribes, and other Consulting Parties
- Involve the public

Historic properties present and affected?

NO

YES

3. ASSESS adverse effects

- Apply criteria of adverse effect
- Consult with SHPO/THPO, Tribes, and other Consulting Parties
- Involve the public

Historic properties adversely affected?

NO

YES

4. RESOLVE adverse effects

- Avoid, minimize, or mitigate adverse effects
- Notify ACHP
- Consult with SHPO/THPO, Tribes, and other Consulting Parties
- Involve the public

Agreement (MOA/PA) or Council Comment

PROCESS COMPLETE

We are Here

Source:
NEPA and NHPA
A Handbook for Integrating
NEPA and Section 106
(CEQ and ACHP, March 2013)

National Register Criteria



NRHP Criteria for Evaluation

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

- A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- B. That are associated with the lives of significant persons in or past; or
- C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. That have yielded or may be likely to yield, information important in history or prehistory.

****To be eligible properties have to retain integrity AND be significant**

Your Role in this Meeting



- **Role of Consulting Parties in Section 106 Process:**
 - Provide your organization's special knowledge of, concern for, or mandated regulatory role that pertains to the historic resources
 - ✦ Input will be considered by FTA for the Final Determination of Effects
 - Provide input to FTA on Design Commitments to the SHPO

Project Overview – Why This Corridor?



Durham & Orange Corridor

- ✦ 175,000 people (2005)
- ✦ 231,000 people (2035)
- 3 major universities
- 3 major medical centers
- Hub of innovation and entrepreneurship
- Abundant parks, cultural, culinary, artistic & historical resources
- **Less effects to natural and built environment than other options**



DukeMedicine



U.S. Department
of Veterans Affairs



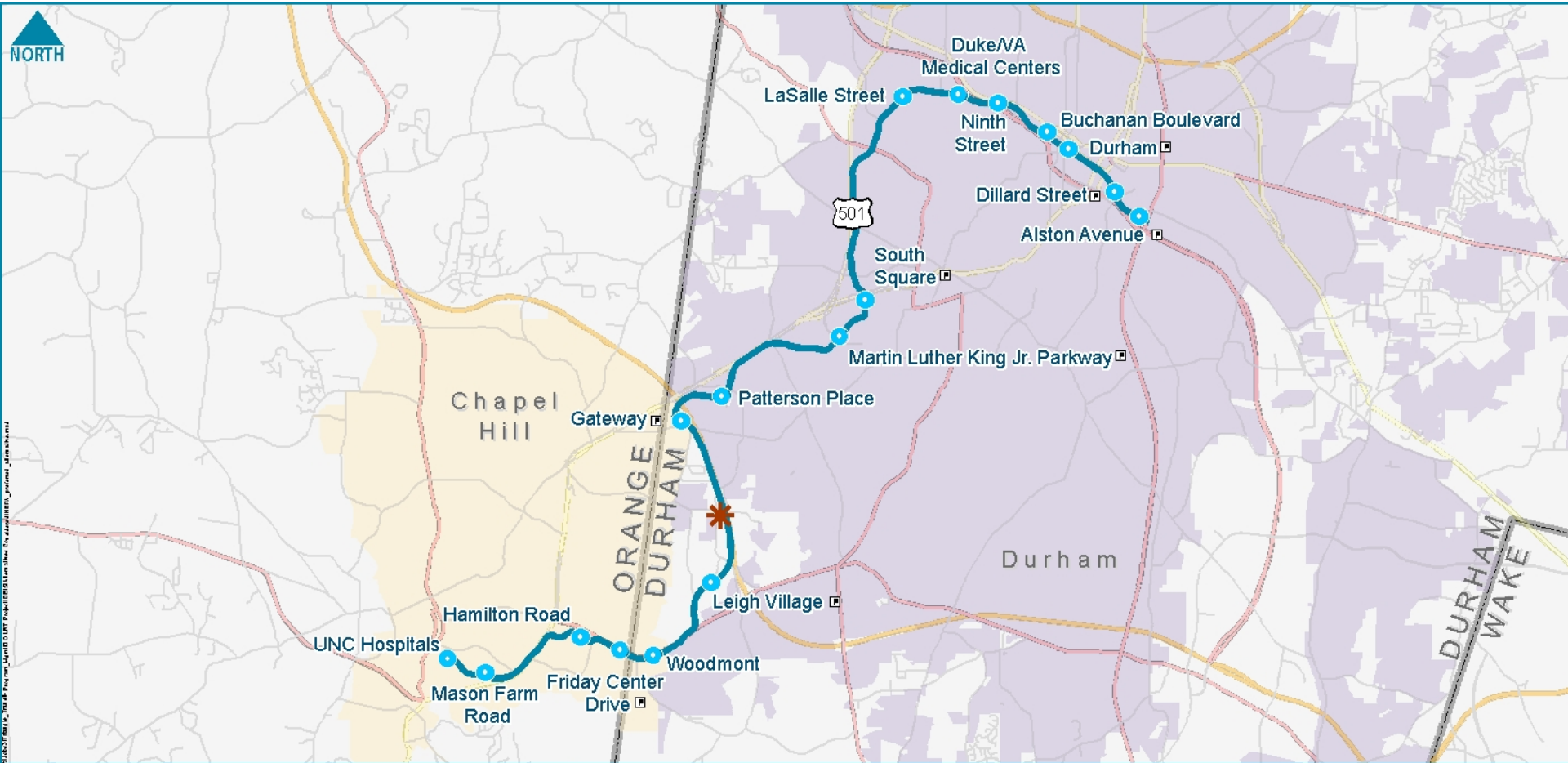
Project Overview – Fast Facts



- 17-miles serving 17 stations
- Electrically powered system in a dedicated guideway
- Will travels between UNC Hospitals & Alston Avenue in ~42 min
- Will operates 7 days a week
 - 10 min during peak times
 - 20 min off-peak and on weekends
- Projected 2040 daily transit ridership
 - 23,000 LRT and
 - 16,000 bus



Project Overview - Map



NEPA Preferred Alternative

DURHAM-ORANGE LIGHT RAIL TRANSIT PROJECT

0 1 2 Miles

N6-10

May 2015



Sources: ESRI, CGIA, NCDOT, and URS



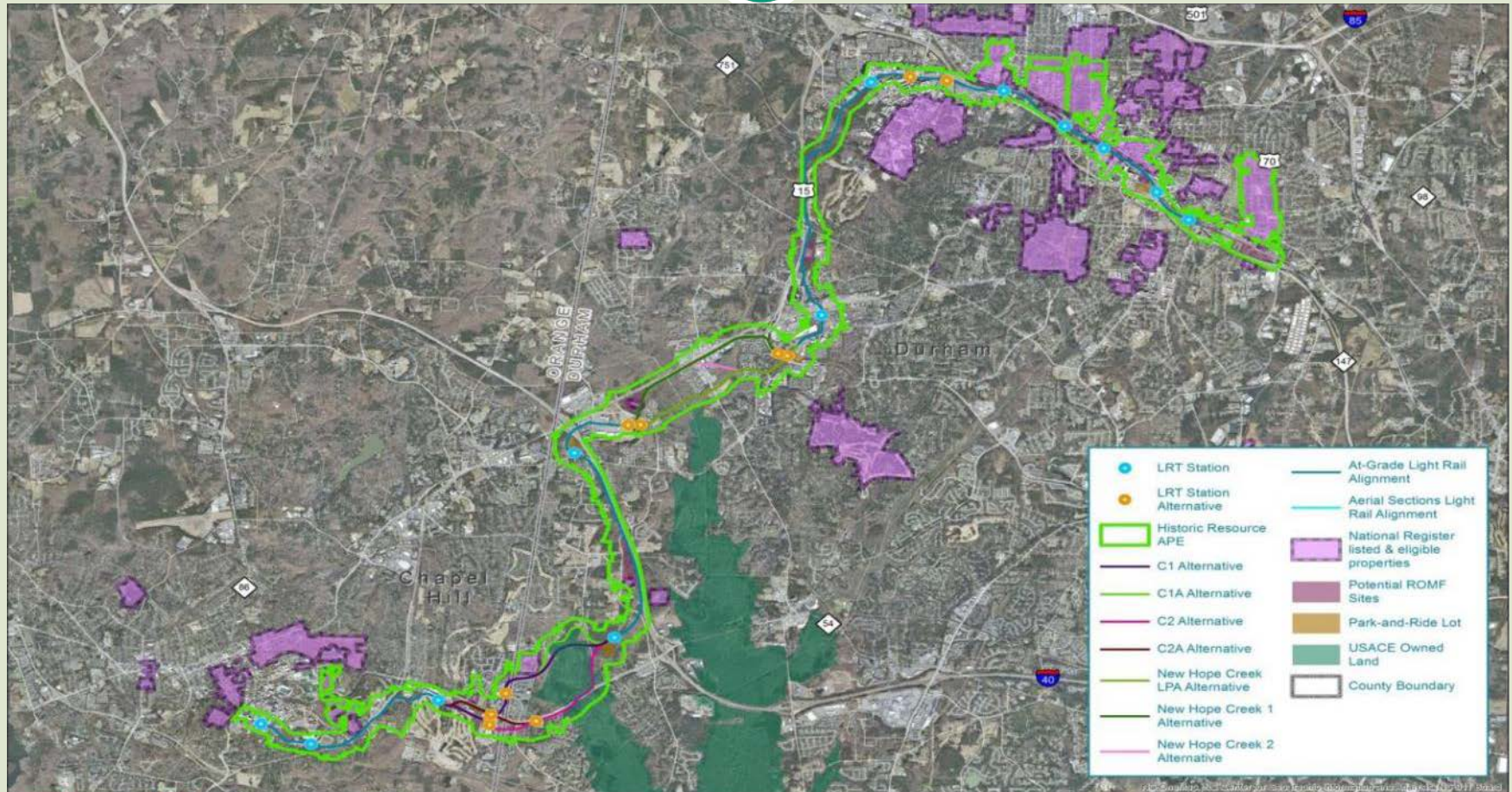
- P Park-and-Ride
- LRT Stations
- NEPA Preferred Alternative
- ✱ Rail Operations and Maintenance Facility Alternative
- County Boundary

Section 106 Process, Specific to this Project



- **Determined Area of Potential Effect** in coordination with SHPO
- **Reconnaissance-level inventory** of 249 individual and groups of historic resources conducted in early 2014 to identify eligible historic properties or reassess eligibility of previously listed historic properties
- **Early Consulting Party presentations** made to Preservation Chapel Hill, Orange County Cultural Resources, and Preservation Durham in April 2014
- **Intensive-level inventory** conducted in mid/late 2014

Area of Potential Effects (APE)



Historic Resources APE Overview
DURHAM-ORANGE LIGHT RAIL TRANSIT PROJECT

November 2014



0 1 2 Miles



Eligibility Determination - Results



Total of 25 NR-listed and eligible historic properties within Area of Potential Effects (APE)

- 14 previously NR-listed
- 3 previously determined NR-eligible
- 8 determined NR-eligible by FTA as result of project

NRHP-Listed and Eligible Historic Properties

Name (NC HPO Survey Number)	NR Eligibility/Criteria
Dr. Robert Jack Shankle House (OR-2771)	DOE/B and C
H.G. Baity House (OR-2772)	DOE/B and C
Bowers-Nelson House (OR-1465)	DOE/C
Rocky Ridge Farm HD (OR-1303 and OR-1748)	NR Listed/A and C
Highland Woods HD (OR-1460)	DOE/A and C
Dubose Tenant Farm Complex (OR-1250)	DOE/Not specified
Meadowmont (DH-1708)	NR Listed/A, B and C
Walter Curtis Hudson Farm (DH-2373)	DOE/C
Ruth-Sizemore Store (DH-2561)	DOE/A
West Durham HD (DH-1134)	NR Listed/C
Powe House (DH-1224)	NR Listed/A, B and C
Trinity College East Campus HD (DH-1821)	DOE/Not specified
Smith Warehouse (DH-89)	NR Listed/A, B and C
Trinity HD (DH-927)	NR Listed/A, B and C
Watts and Yuille Tobacco Warehouses (DH-87)	NR Listed/A, B and C
Duke Memorial United Methodist Church (DH-1253)	NR Listed/A, B and C
North Carolina Mutual Building (DH-2477)	DOE/A and C
Bright Leaf HD (DH-71)	NR Listed/A and C
Downtown Durham HD (DH-1692)	NR Listed/A and C
American Tobacco Company Manufacturing Plant (DH-1872 and DH-10)	NR Listed/A and C
Southern Railway Bridge (Seaboard Coastline Railroad Overpass) (DH-2504 and DH-1867)	DOE/Not specified
Venable Tobacco Company Warehouse (DH-97)	NR Listed/A and C
Venable Tobacco Company Prizery and Receiving Room (DH-2560)	NR Listed/A
Durham Water Tower and Valve House (DH-3508)	DOE/A and C
East Durham Historic District (DH-2184)	NR Listed/A and C

Determining Project Effects



Types of Effects:

- No Effect
- No Adverse Effect
- Adverse Effect

Examples of Adverse Effects



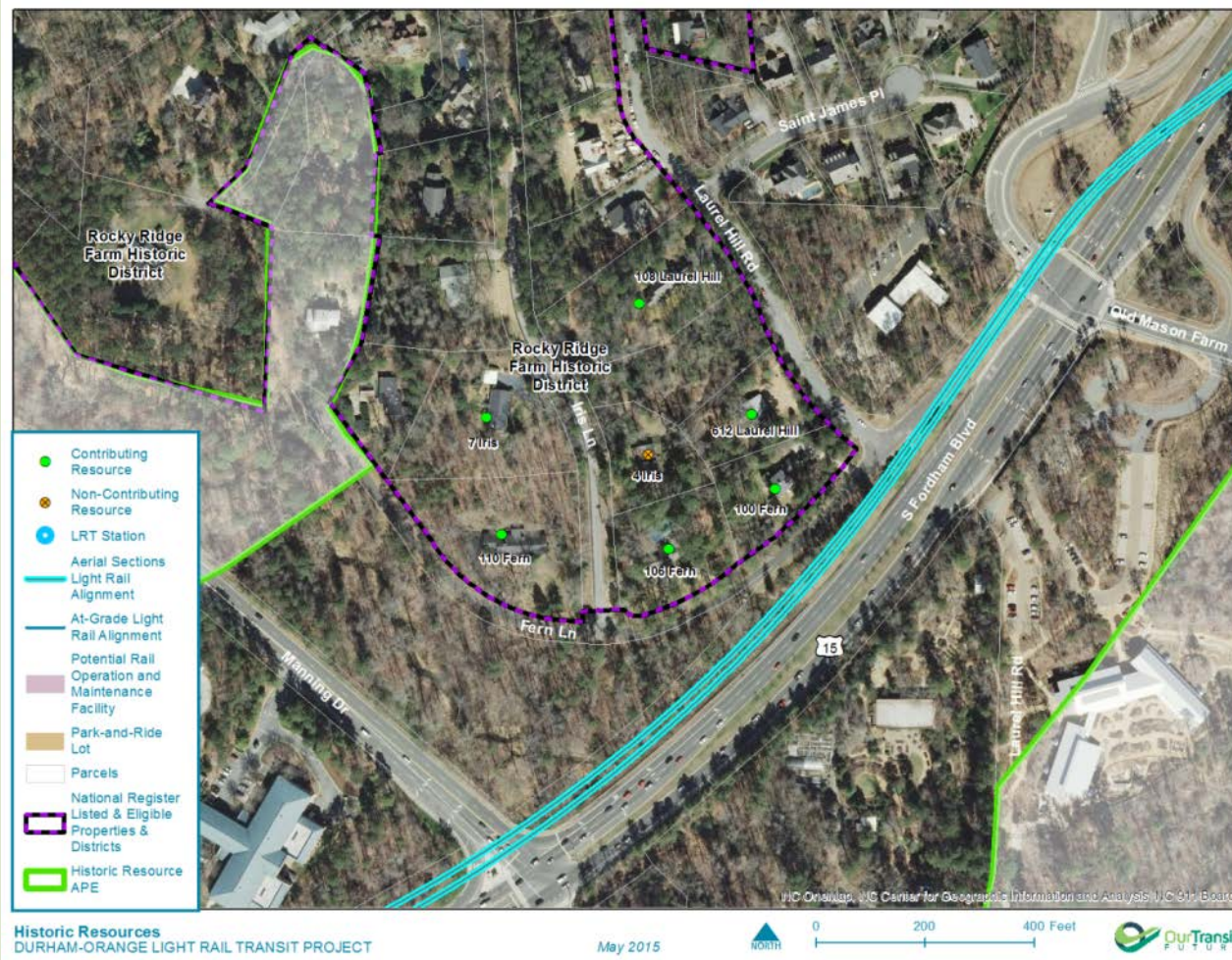
- **Adverse Effect** determined when a project:
 - Directly or indirectly **alters the characteristics** of a historic property that led it be NRHP-listed or eligible
 - In a manner that diminishes its integrity of location, design, setting, materials, workmanship, feeling, or association
- **Examples of Adverse Effects:**
 - Physical destruction or alteration
 - Relocation or neglect
 - Change in character of use, or features within setting, that contributed to significance
 - Introduction of visual, atmospheric, or audible elements that diminish integrity of significant historic features

FTA Preliminary Determination of Effects



- FTA preliminarily determined that the project will:
 - The project will not result in Adverse Effects to any of the 25 historic properties in the APE.
 - Specifically:
 - ✦ No Effect finding on 13 historic properties
 - ✦ No Adverse Effect finding on 12 historic properties
- The following slides will focus on the properties that are proposed to have **No Adverse Effect**

Rocky Ridge Farm Historic District

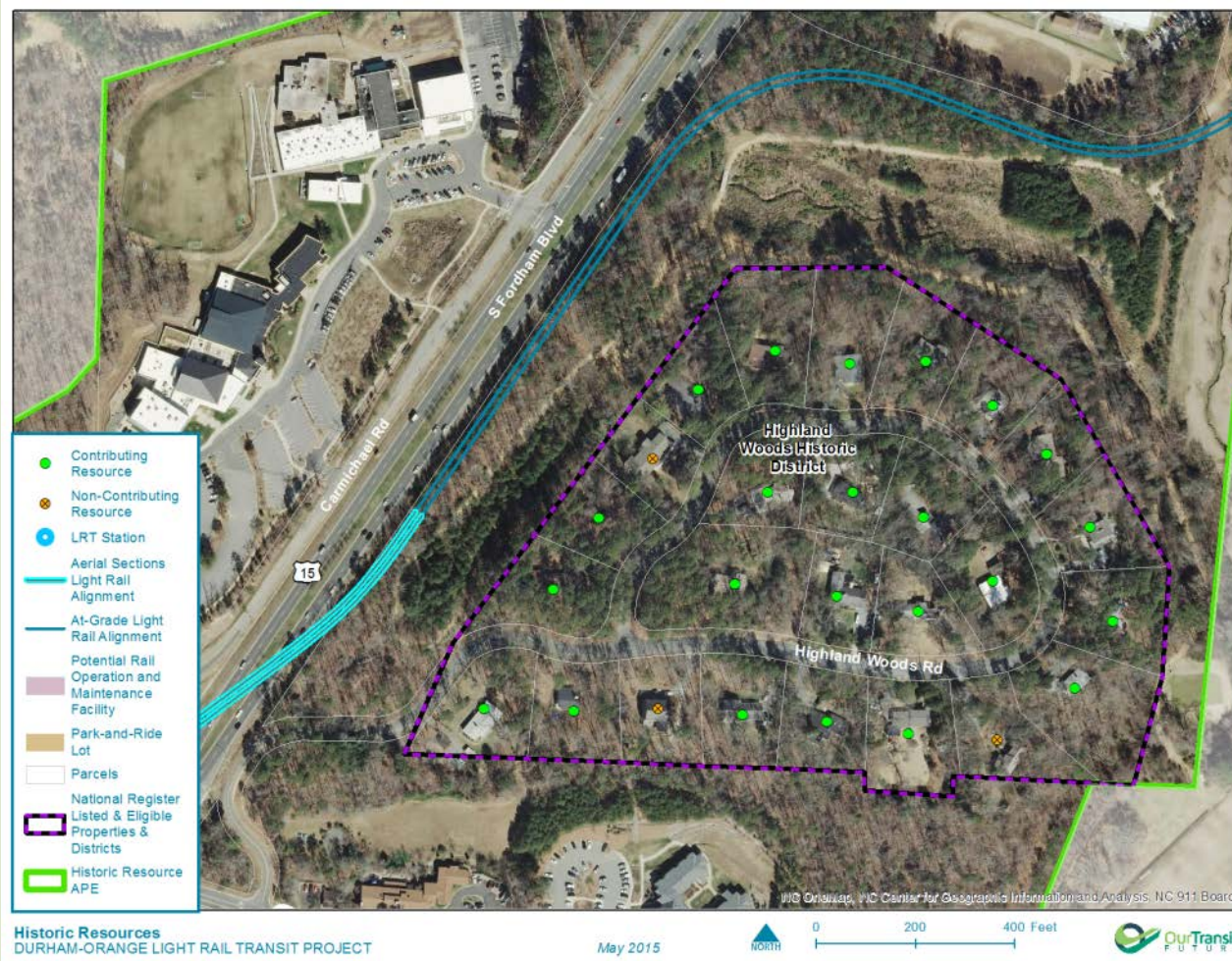


Rocky Ridge Farm Historic District



- Project partially visible from three contributing resources at southeast end of almost mile-long district
- To be built adjacent to four-lane divided highway in place when district boundaries expanded to south in 2008
- Given historic presence of NC 54/US 15-501/South Fordham Boulevard and size of district (with few contributing resources in proximity to the project), the project would have **No Adverse Effect**

Highland Woods Historic District



Highland Woods Historic District

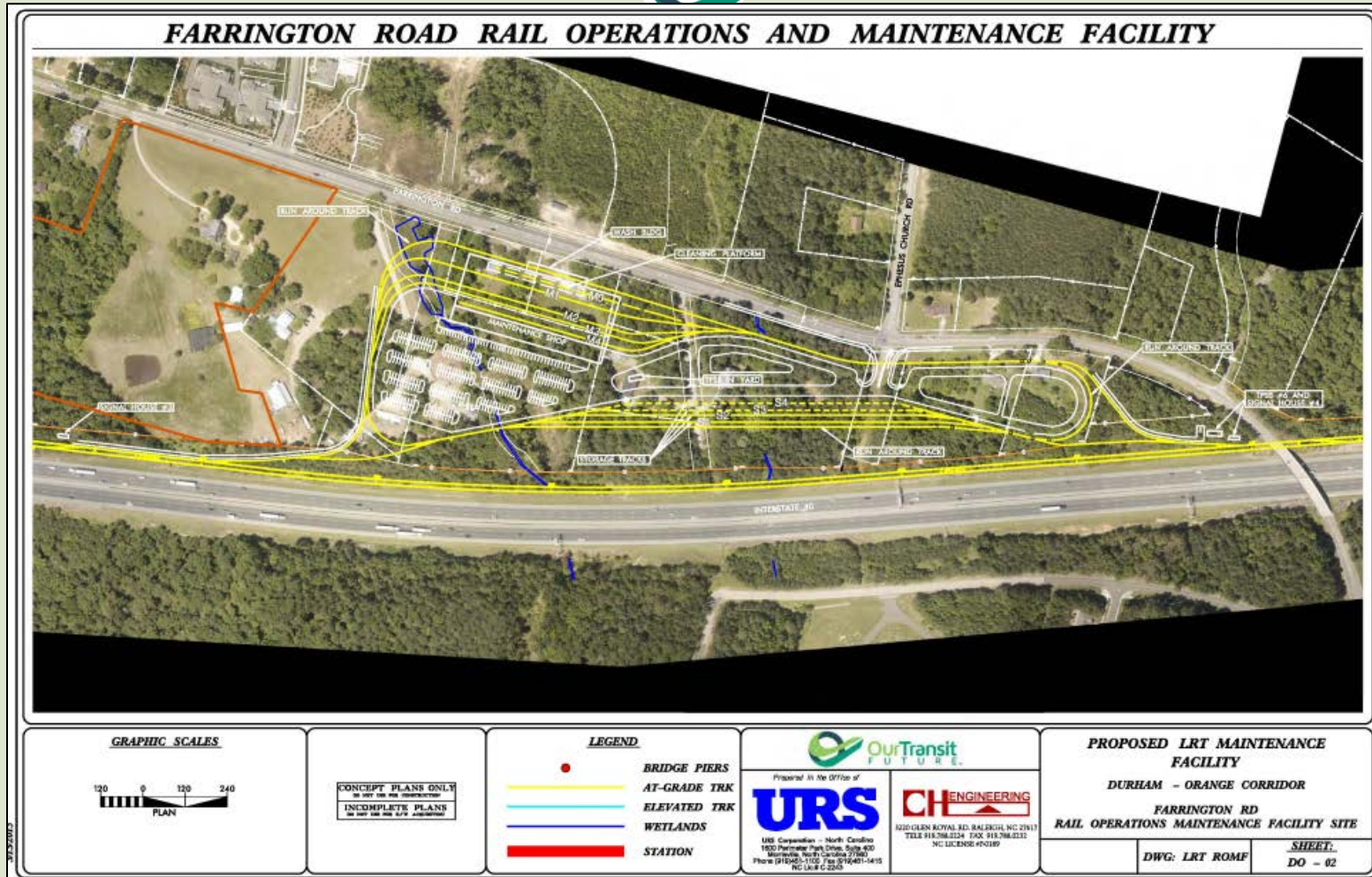


- Project partially visible from house at 1002 Highland Woods Road and tennis/basketball court at 1032 Highland Woods Road
- To be built adjacent to four-lane divided highway with grassy median in place when district determined eligible
- Given historic presence of NC 54/US 15-501/South Fordham Boulevard and wooded buffer, project would have **No Adverse Effect**

Walter Curtis Hudson Farm



Walter Curtis Hudson Farm



Walter Curtis Hudson Farm



- Project to east adjacent to I-40 screened by wooded buffer
- Closest point of ROMF approximately 200 feet north of NR boundaries, partially visible through screen of trees
- Given presence of woodland, the project and ROMF would have **No Adverse Effect**

Ruth-Sizemore Store



Ruth-Sizemore Store

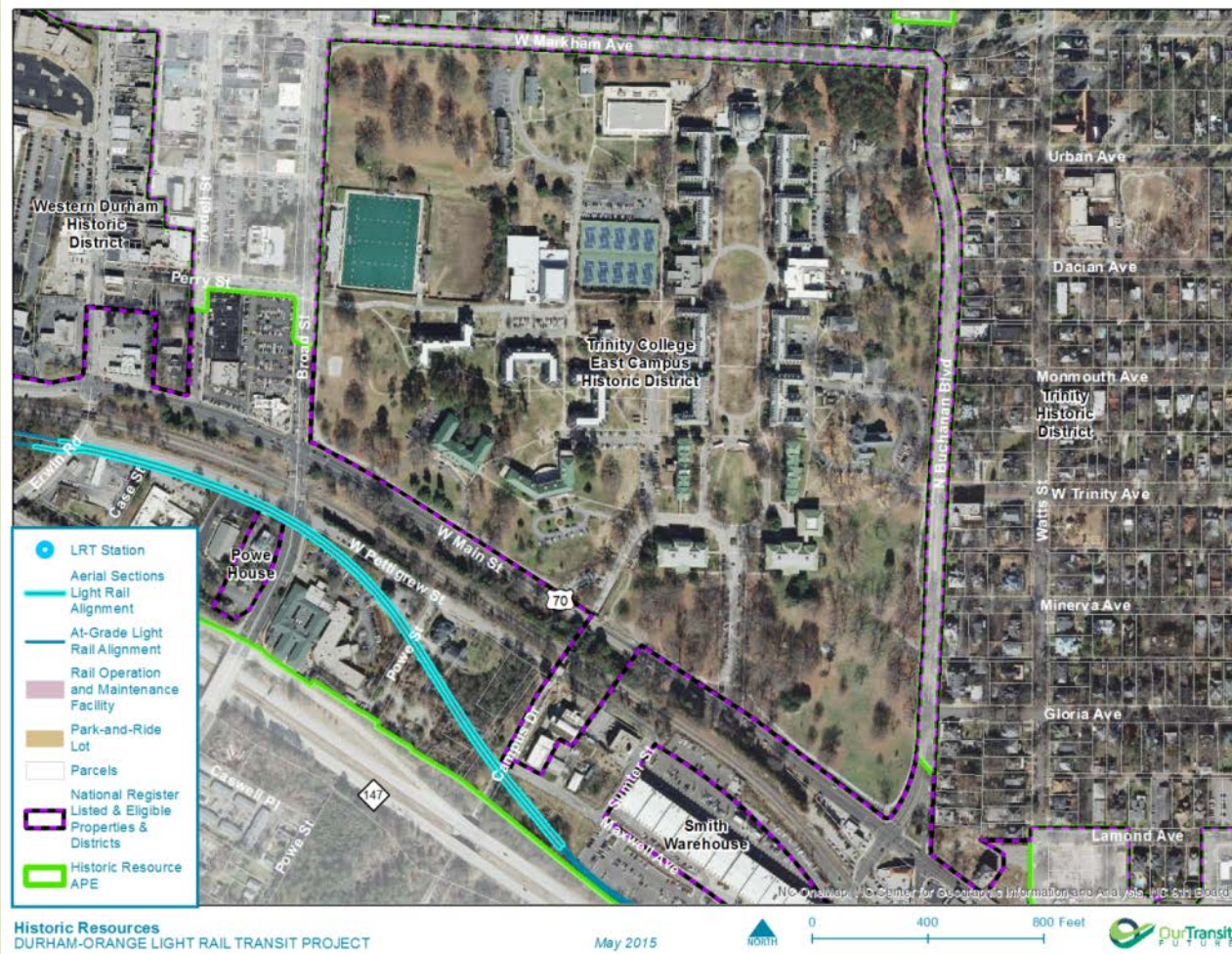
White Oak Road

Ruth-Sizemore Store

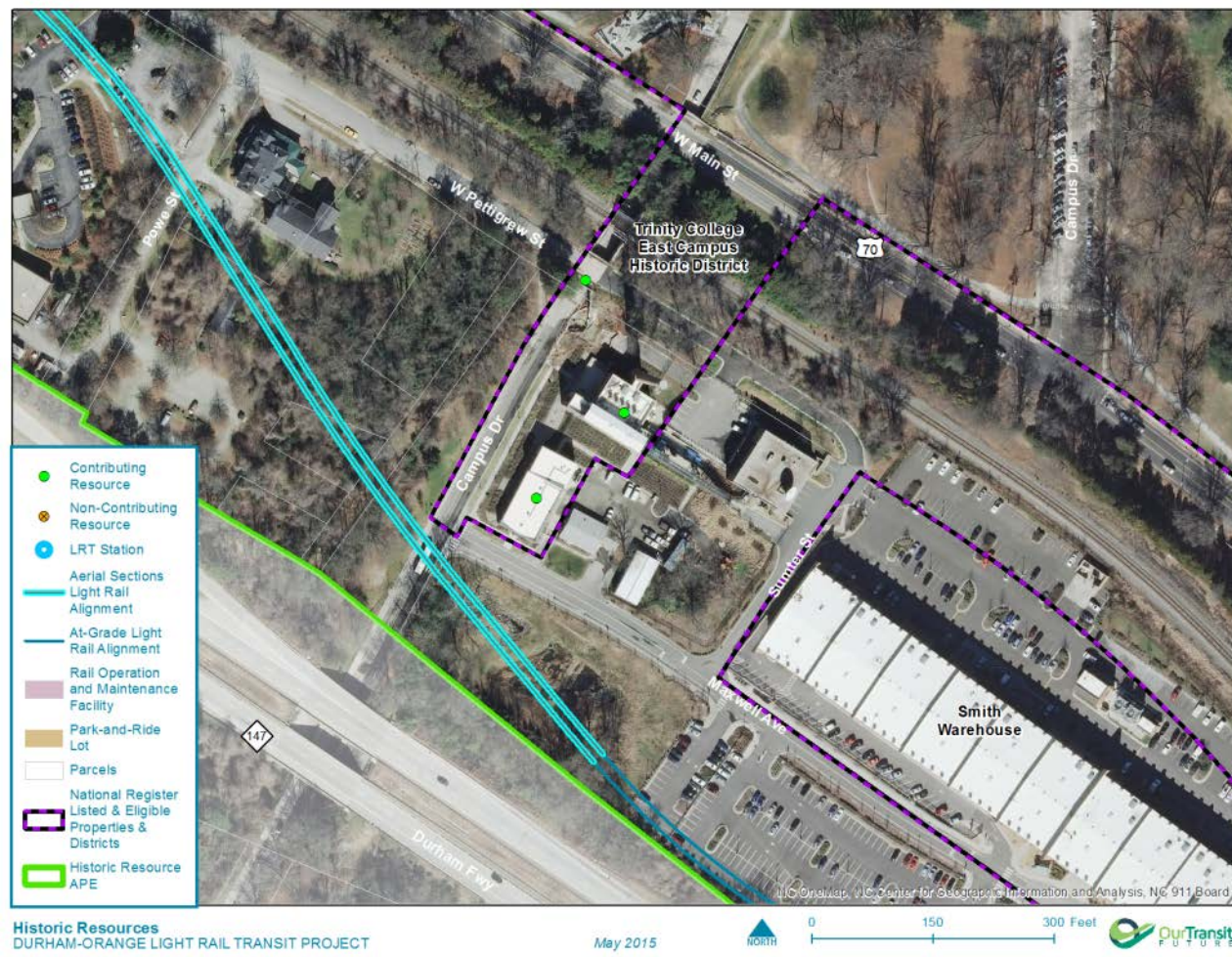


- Proposed Gateway Station and park-and-ride lot to northeast would remove non-NR-eligible pool hall and house
- Given design and presence of trees, the project would have **No Adverse Effect**

Trinity College East Campus Historic District



Trinity College East Campus Historic District

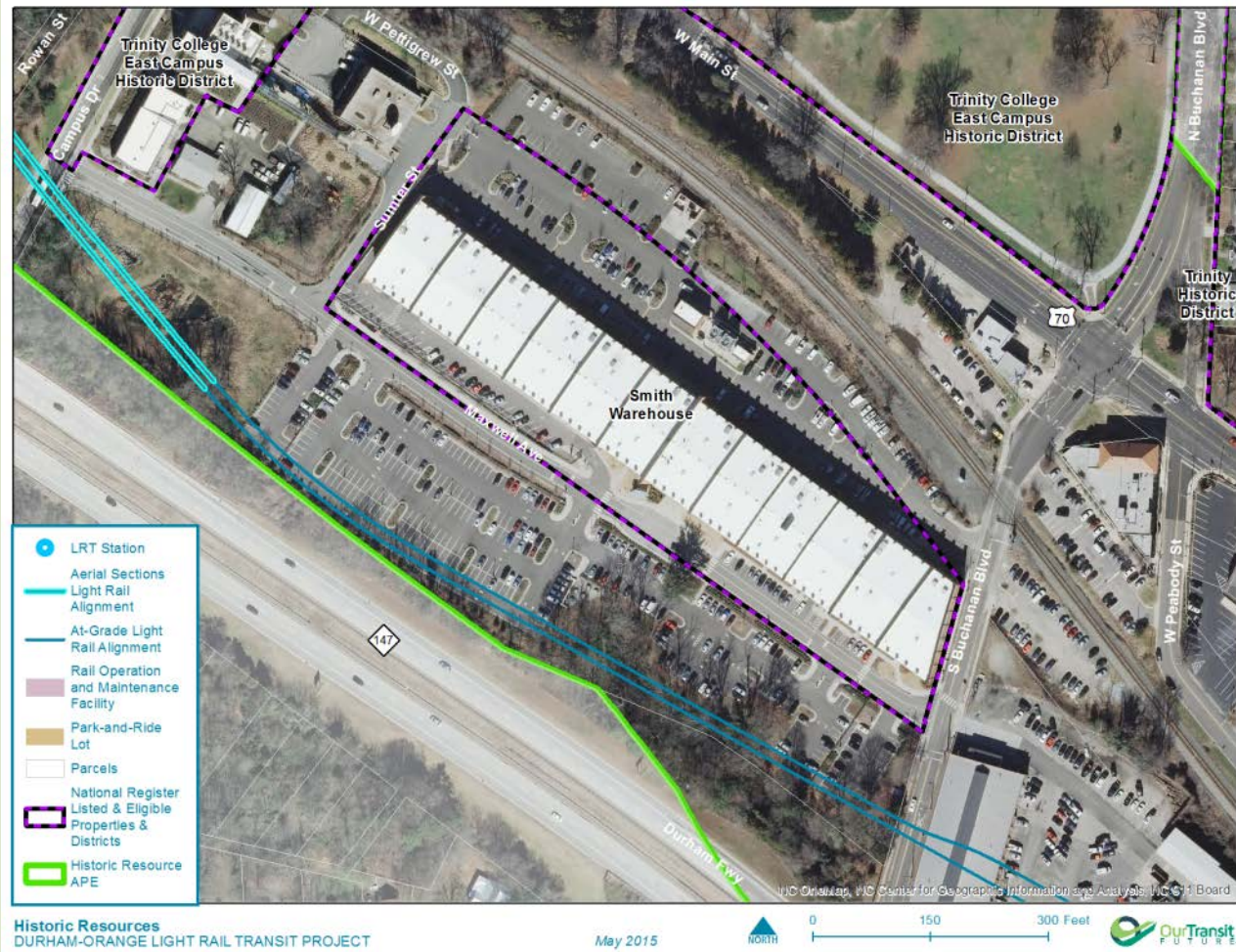


Trinity College East Campus Historic District



- Project visible from three contributing resources located at southern extension of historic district south of existing elevated rail line
- Given historic presence of railroad, past and current urban setting, and presence of NC 147 overpass, the project would have **No Adverse Effect**

Smith Warehouse

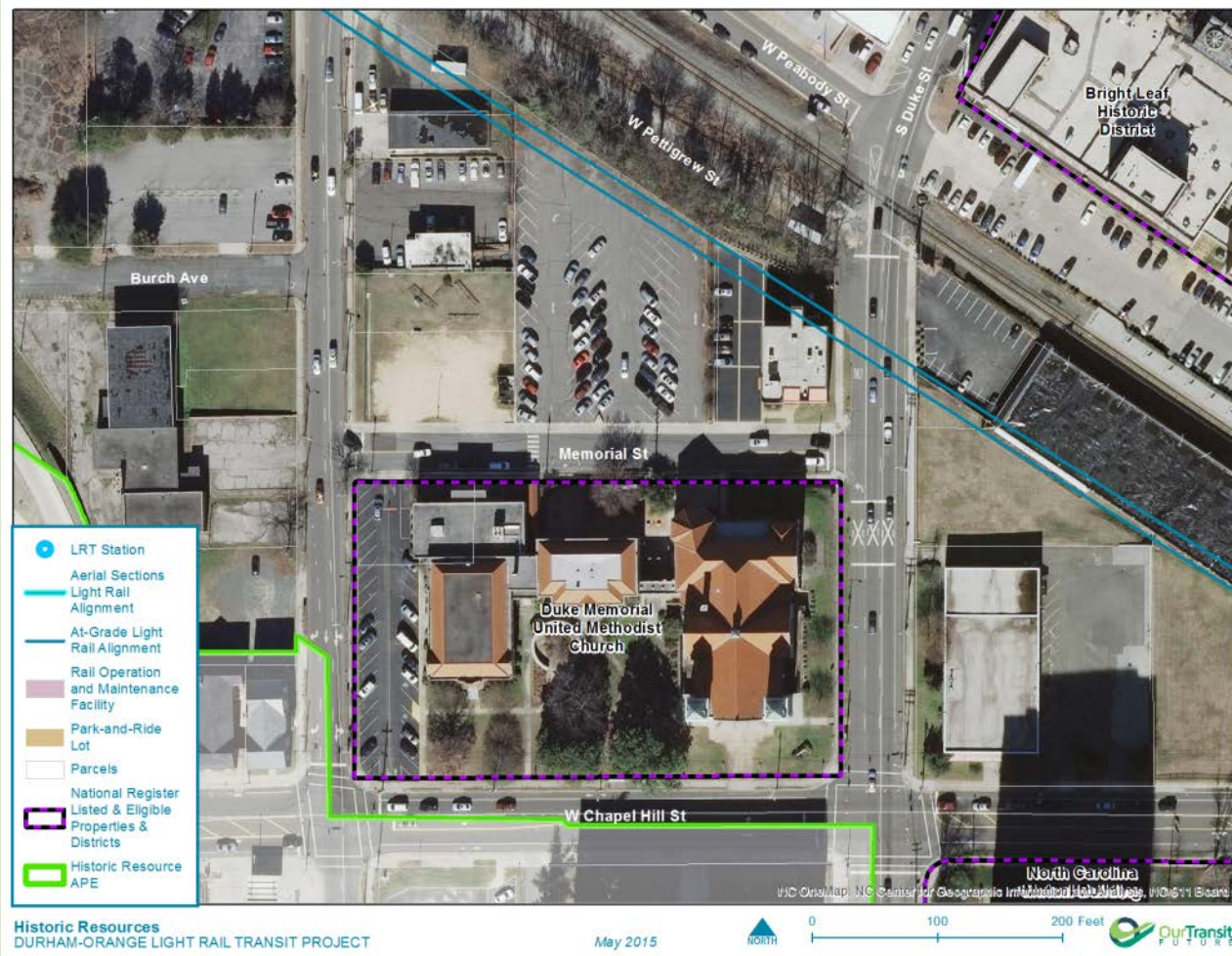


Smith Warehouse



- Project at-grade visible about 175 feet south of building across parking lot
- Given historic presence of railroad, past and current urban setting, and presence of NC 147 overpass, project would have **No Adverse Effect**

Duke Memorial United Methodist Church

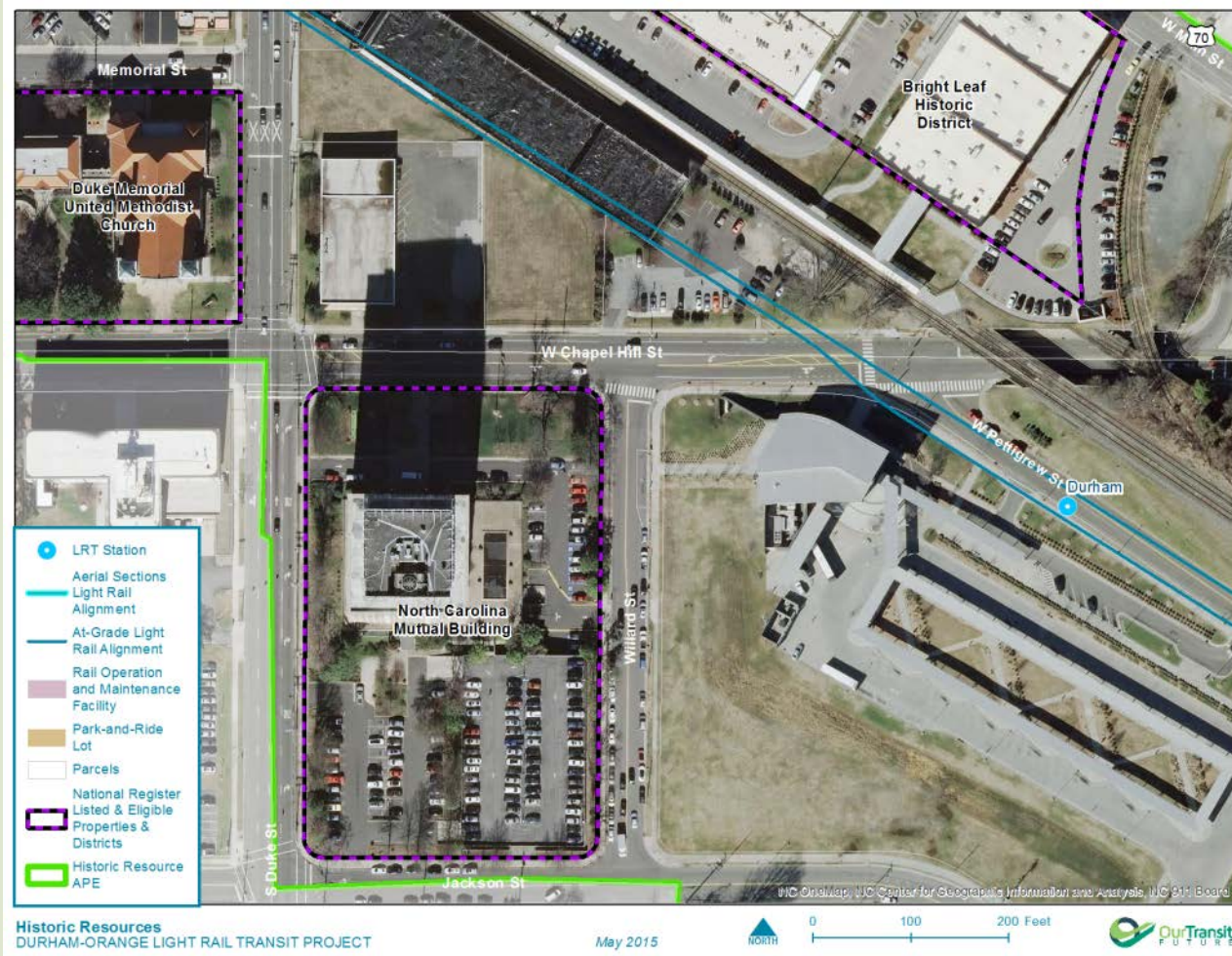


Duke Memorial United Methodist Church



- Project at-grade partially visible about 175 feet north of church
- Given historic presence of railroad and heavily built-up urban urban setting, the project would have **No Adverse Effect**

North Carolina Mutual Building

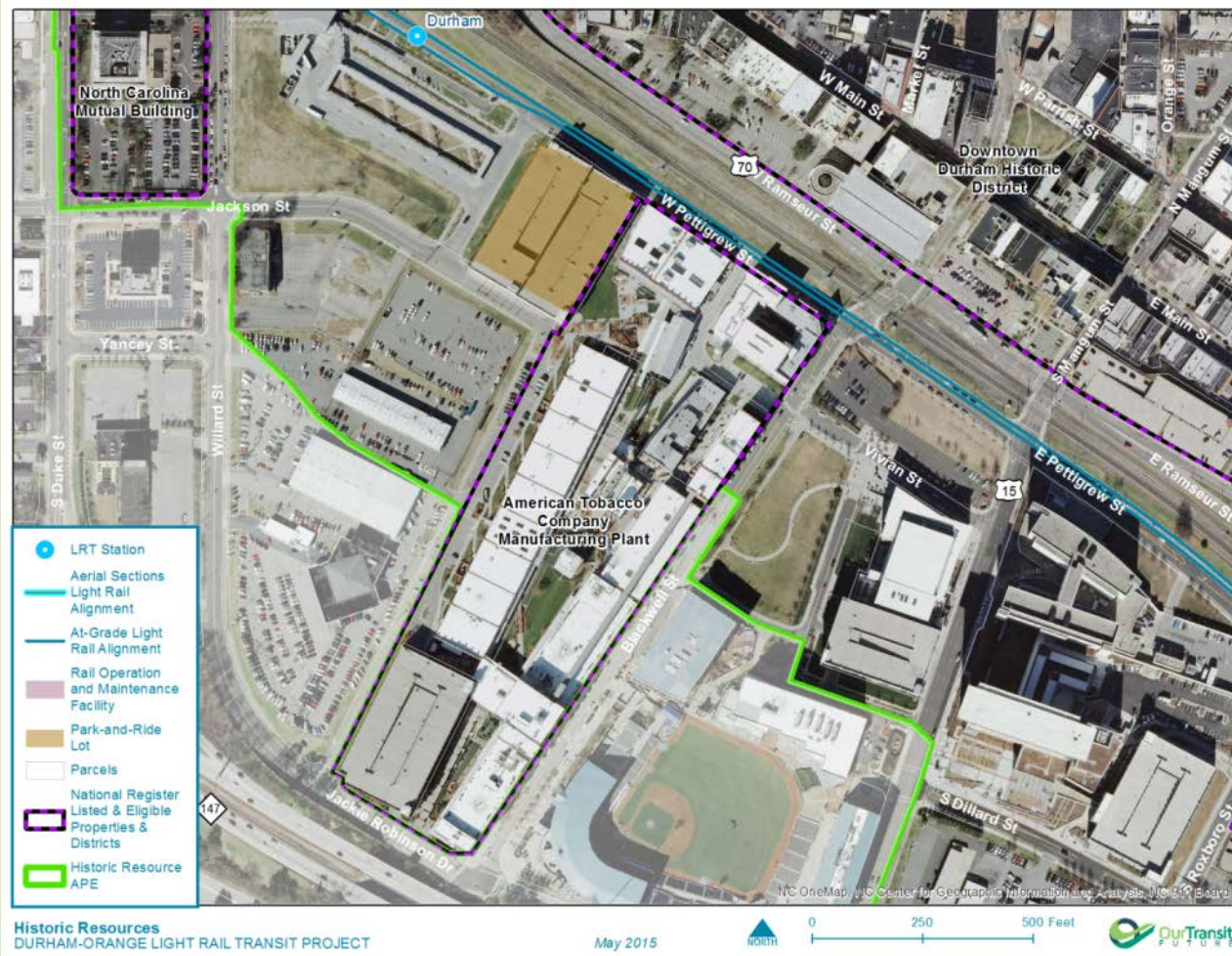


North Carolina Mutual Building

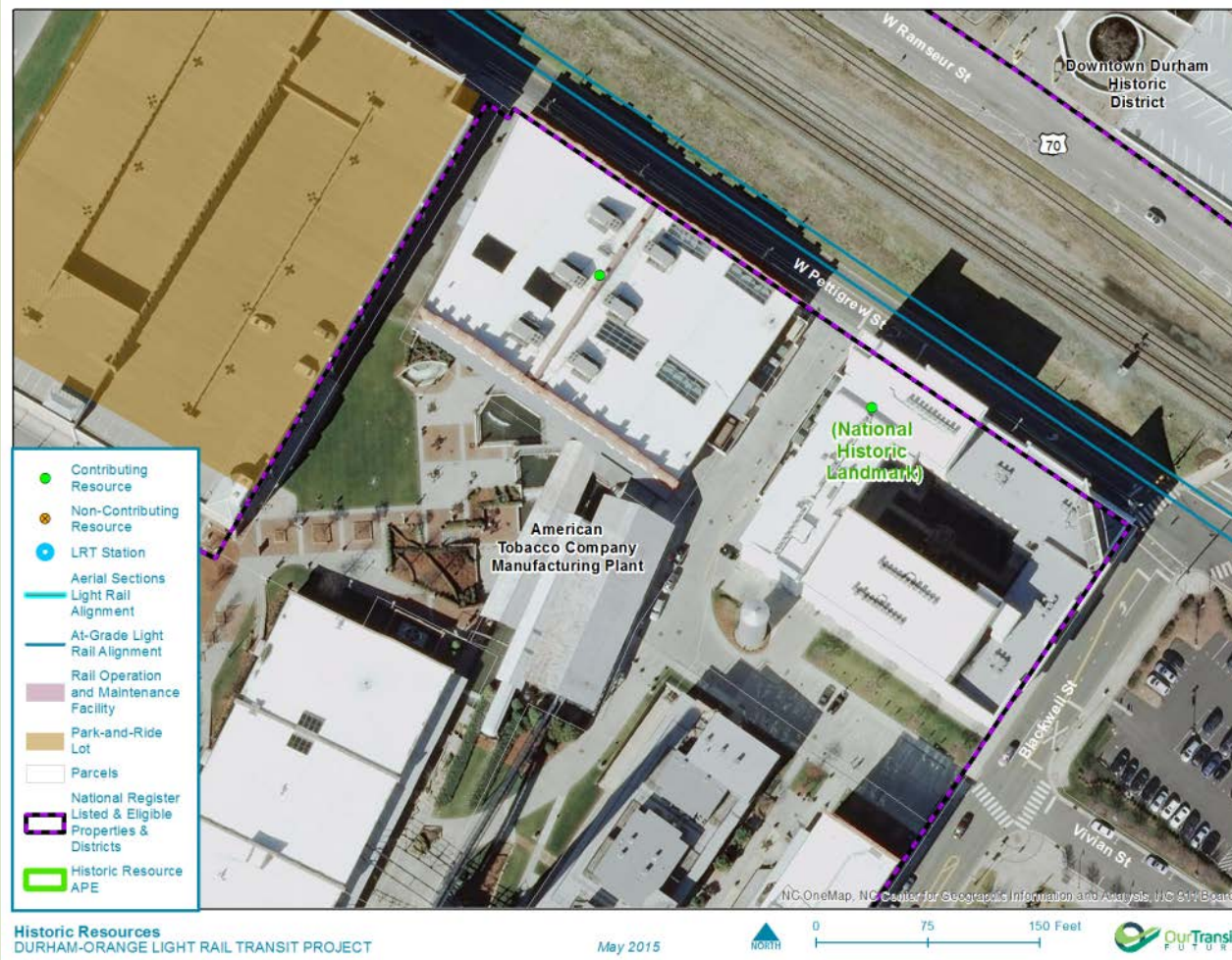


- Project at-grade visible about 175 feet northeast of building
- Durham Station at-grade about 475 feet east of building behind existing multi-modal transit center
- Given historic presence of railroad and heavily built up urban setting, the project would have **No Adverse Effect**

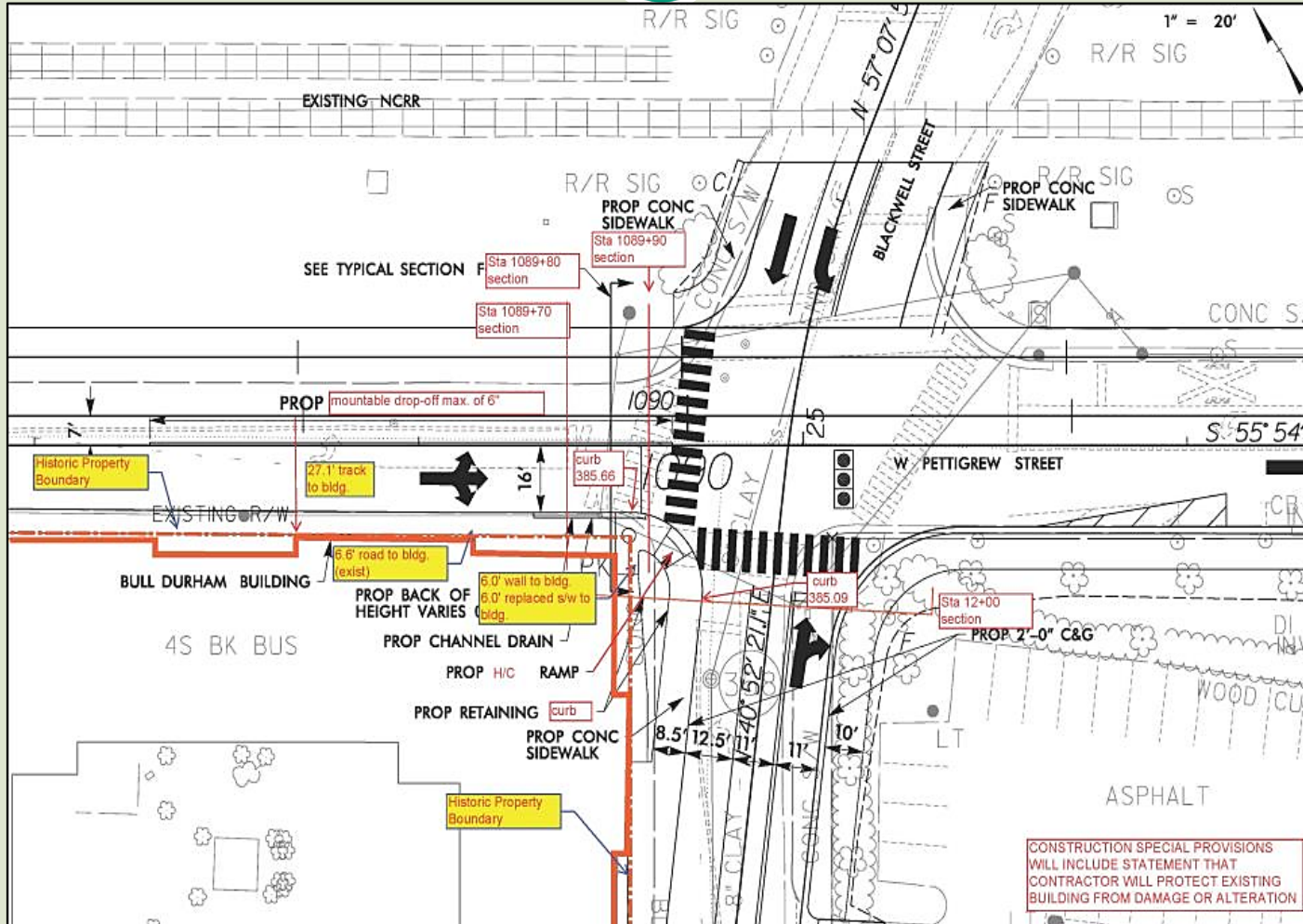
American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)



American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)



American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)

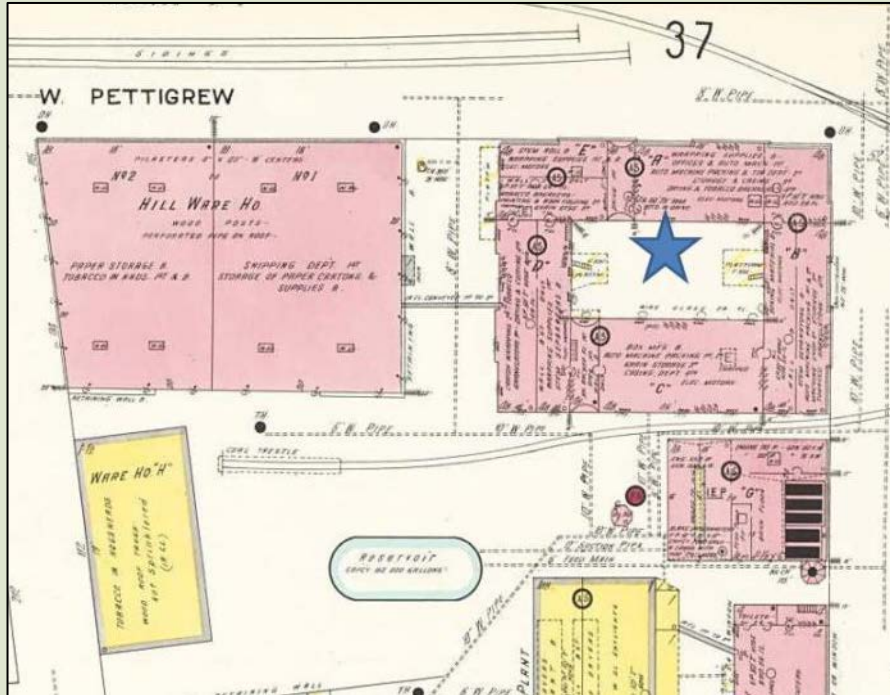


American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)

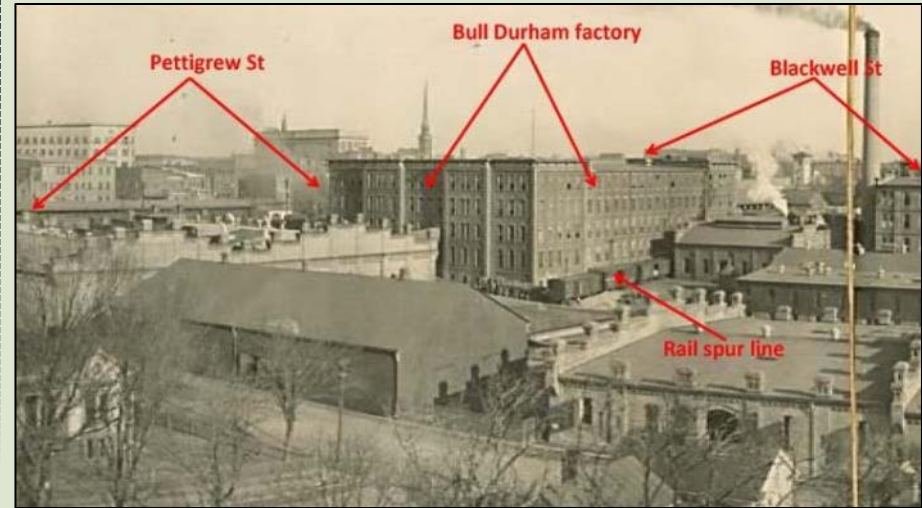


1913 Sanborn map

American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)



1913 Sanborn map



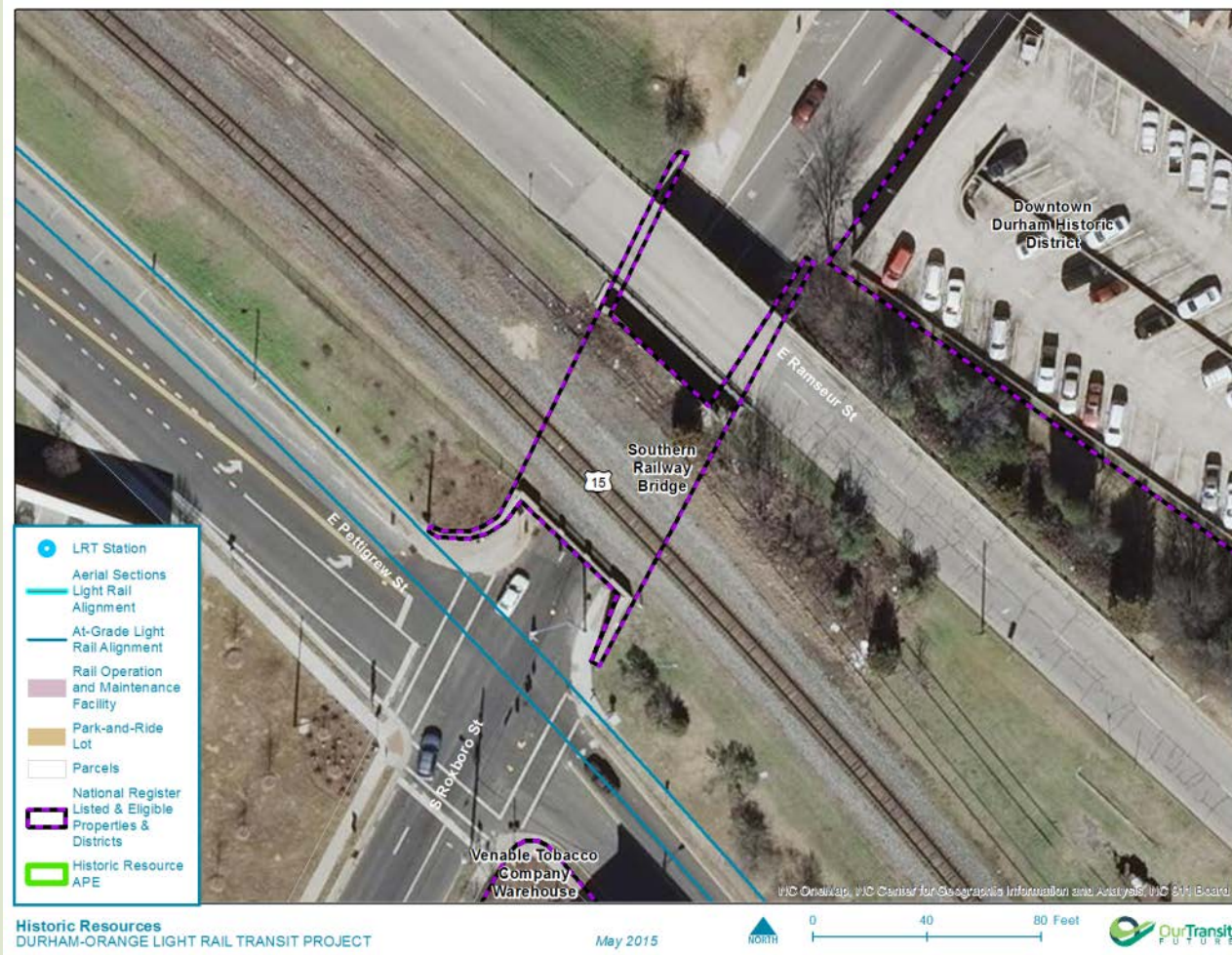
1926 photograph (DigitalDurham with labels added)

American Tobacco Company Manufacturing Plant including W.T. Blackwell and Co. (Bull Durham) Tobacco Factory (NHL)

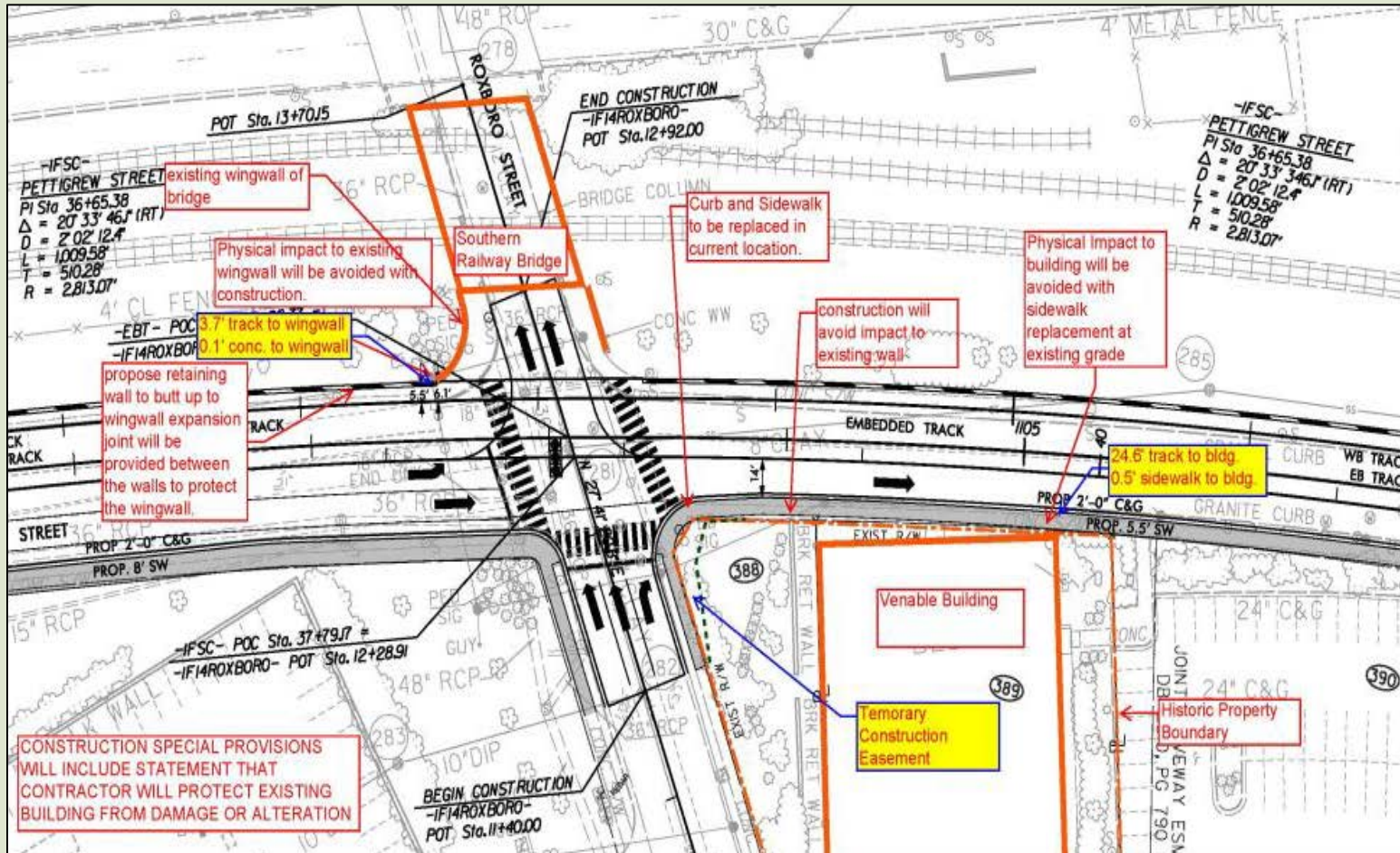


- Project at-grade visible about 27 feet north of Bull Durham Tobacco Factory and Hill Warehouse in north lane of Pettigrew Street just south of current rail line
- Moderate noise and vibration impact on Bull Durham based on apartment use
- Given historic presence of railroad and heavily built up urban setting, the project would have **No Adverse Effect**

Southern Railway Bridge (Seaboard Coastline Railroad Overpass)



Southern Railway Bridge (Seaboard Coastline Railroad Overpass)

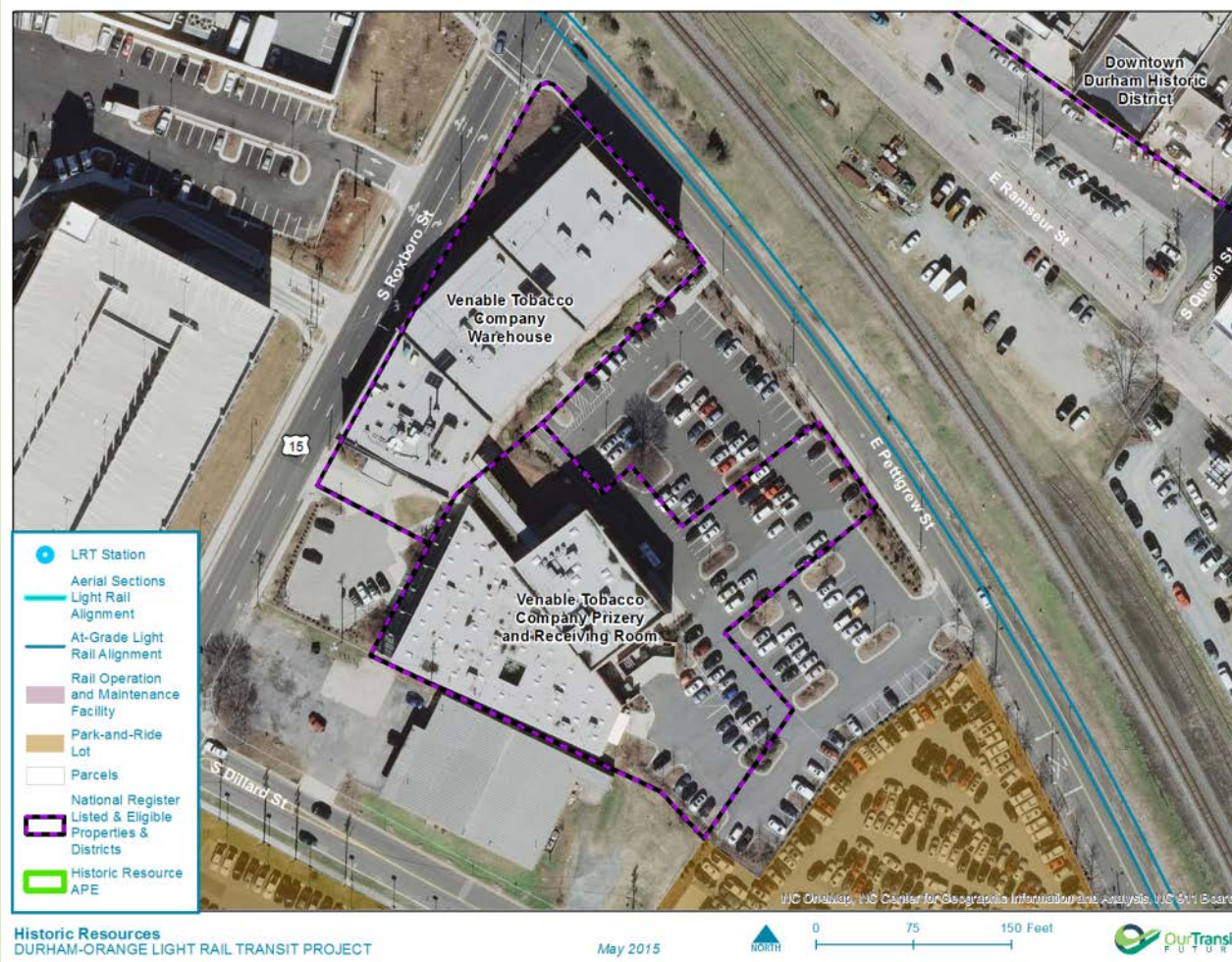


Southern Railway Bridge (Seaboard Coastline Railroad Overpass)

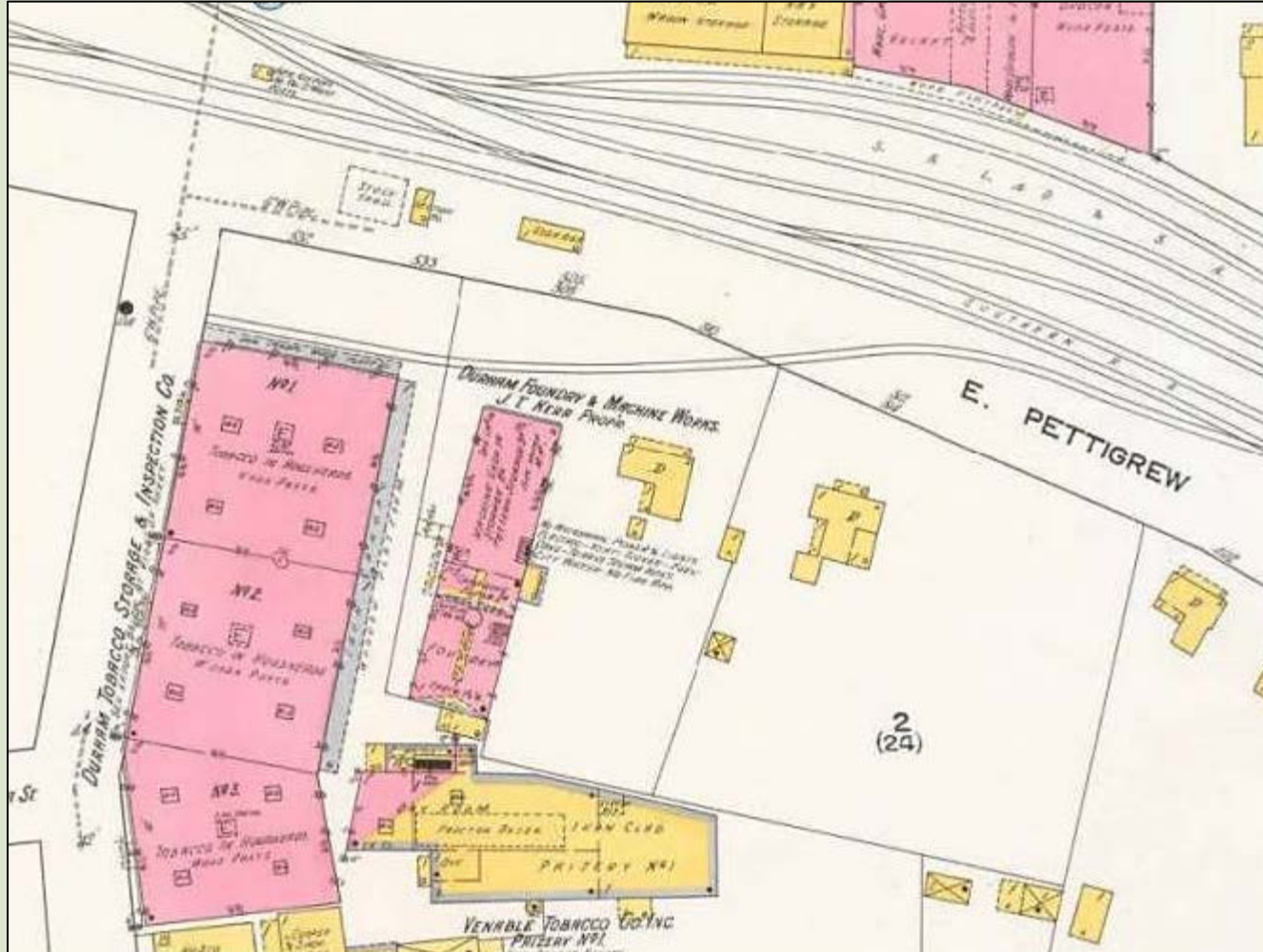


- Project at-grade about 4 feet south of curved wing wall in north lane of Pettigrew Street
- No noise and vibration impact
- Given bridge's historic and current carrying of railroad tracks and heavily built-up urban setting, the project would have **No Adverse Effect**

Venable Tobacco Company Warehouse



Venable Tobacco Company Warehouse



1913 Sanborn map

Venable Tobacco Company Warehouse



- Project at-grade about 25 feet north of building in north lane of Pettigrew Street
- No noise or vibration impact
- Temporary construction easement in northwest corner of property where service station stood will raise grade at corner less than one foot
- Given historic presence of railroad, heavily built-up urban setting, and temporary nature of easement, the project would have **No Adverse Effect**

Discussion of Design Commitments



- Triangle Transit designed the project to include visual buffers for properties in residential or rural settings
 - Visual buffer would provide a blooming of at least two seasons of each year
 - Consultation with property owners, historic district representatives (if any), and SHPO on appearance of buffer
- Construction protection plans to be drawn up at designated locations

Discussion of Design Commitments



Design Commitments will benefit:

- Rocky Ridge Farm Historic District
- Highland Woods Historic District
- Walter Curtis Hudson Farm and
- Ruth-Sizemore Store

Next Steps



- Circulate the Effects report for review
- Finalize Effects Report
- Finalize Design Commitments with beneficiary properties

Section 106 Consulting Parties Meeting - Sign-in Sheet

August 14, 2015 9:00 a.m. – 12:00 p.m. 1600 Perimeter Park Drive Morrisville, NC 27560 Neuse Conf. Room – Room 111

Name	Agency	Phone	Email	Initial If Present
Than Austin	UNC	919-962-5028	nkaustin@unc.edu	JA
Ramona Bartos	NC SHPO		ramona.bartos@ncdcr.gov	
David Bonk	Town of Chapel Hill		dbonk@townofchapelhill.org	
Eric Feld	Town of Chapel Hill		efeld@townofchapelhill.org	
Renee Gledhill-Early	NC SHPO		renee.gledhill-earley@ncdcr.gov	
Wendy Hillis	Preservation Durham		wendy@preservationdurham.org	VIA PHONE
Mark Hough	Duke		mark.hough@duke.edu	
Myrick Howard	Preservation NC		mhoward@presnc.org	
Jim Kessler	NCRR		jimkessler@ncrr.com	VIA PHONE
Steve Medlin	Durham City/County Planning		steve.medlin@durhamnc.gov	
Lisa Miller	Durham City/County Planning		lisa.miller@durhamnc.gov	VIA PHONE
Mary Jane Nerdlinger	Town of Chapel Hill		mnirdlinger@townofchapelhill.org	
Peter Sandbeck	Orange County – (DEAPR) Natural & Cultural Resources Division		psandbeck@orangecountync.gov	VIA PHONE
Renee Sheerin	NC SHPO			
Cheri Szcodronski	Preservation Chapel Hill		cheri@preservationchapelhill.org	
Cathleen Turner	Preservation NC	919-401-8540	cturner@presnc.org	CT

