

Project Development and Environmental Analysis Merger Screening Information Sheets

<u>TIP No.:</u>	U-2801A	<u>Sent Date:</u>	8/31/2016
<u>WBS No.:</u>	34859.1.FR3	<u>Revision Date:</u>	
<u>Federal Aid No.:</u>	STP-025A(5)	<u>Meeting Date:</u>	9/21/16
<u>Division:</u>	13		
<u>County:</u>	Buncombe		

Project Description: Widen Sweeten Creek Road (US 25A) to a multilane roadway from Hendersonville Road (US 25) to SR 3081 (Rock Hill Road) in Asheville, Buncombe County, North Carolina. See **Figure 1**.

General Project Need: Preliminary: To reduce traffic congestion and improve traffic operations and flow along US 25A (Sweeten Creek Rd.)

Metropolitan / Rural Planning Organization: French Broad River Metropolitan Planning Organization (FBRMPO)

NEPA/404 Merger Candidate?: Yes No To Be Determined

Feasibility Study Completed?: Yes No Date of Study: 10/14/91

<u>Project Schedule:</u>	<u>Type of Document:</u>	<u>Dates:</u>
Environmental Document(s):	EA	FY 2019
	FONSI	FY 2020
<u>Right of Way Authorization Date:</u>		FY 2020
<u>Let Date:</u>		FY 2022

<u>Cost Estimate:</u>	Construction: SFY 2022	R/W & Utilities: SFY 2020	Total Cost ¹ :
2016-2025 TIP Estimate:	\$20,100,000	\$7,200,000	\$27,300,000
Current Estimate:	N/A	N/A	N/A

Design Criteria:

Length of Project:

Approx. 5.4 miles

Right of Way:

Existing:	60 feet
Proposed:	Approx. 200'-250'

Type of Access Control:

Existing:	No control
Proposed:	Partial control

Roadway Typical Section:

Existing:	Mix of primarily 2-lane and 3-lane undivided with paved shoulders
Proposed:	4-lane median divided curb & gutter

Speed:

Existing Posted Speed:	35/45 mph
Proposed Design Speed:	50 mph

Bridge/Culvert Inventory:

Bridges:

- Bridge that carries Sweeten Creek Road (US 25A) over Norfolk Southern Railway
- Bridge that carries Blue Ridge Parkway over Sweeten Creek Road (US 25A)

Culverted crossings at the following approximate locations:

- 140ft north of Weston Road
- 290ft north of Carrington Place
- 260ft south of Old Turnpike Road
- Two crossings, 250ft and 420ft north of Carlyle Way
- 160ft south of Kensington Place
- 330ft south of Mills Gap Road
- 480ft north of Mills Gap Road
- Three crossings, 220ft, 500ft and 750ft north of Wesley Drive
- 270ft south of Hollybrook Drive
- Two crossings, 300ft and 420ft south of Chariyn Drive
- 400ft south of Edgewood Road Extn.
- 200ft north of Edgewood Road S.
- 30ft north of Stockwood Road

Functional Classification:

Minor Arterial

Strategic Transportation Corridor Information:

N/A

CTP/Thoroughfare Plan Designation (Facility Type):

FBRMPO 2040 Metropolitan Transportation Plan
US 25A – Major Thoroughfare

Air Quality Status: Non-attainment Maintenance Attainment

Horizon Completion Year (Long Range Trans. Plan):

2020

Typical Section in Compliance with Conformity Determination?

Yes No

Traffic (AADT)*:

Us 25A (Sweeten Creek Rd.)

	Year	Range of Traffic		
Current Year:	2016	13,700-21,100	% TTST:	10
Design Year (No Build):	2040	17,100-26,000	% Dual:	7
Design Year (Build):	2040	26,200-35,300	% DHV:	8

*Source: Revised DRAFT Traffic Forecast for U-2801A (Mott MacDonald, August 2016)

Design Standards Applicable:

AASHTO 3R

Railroad Involvement:

Blue Ridge Southern Railroad (BLU)

Utility Involvement:

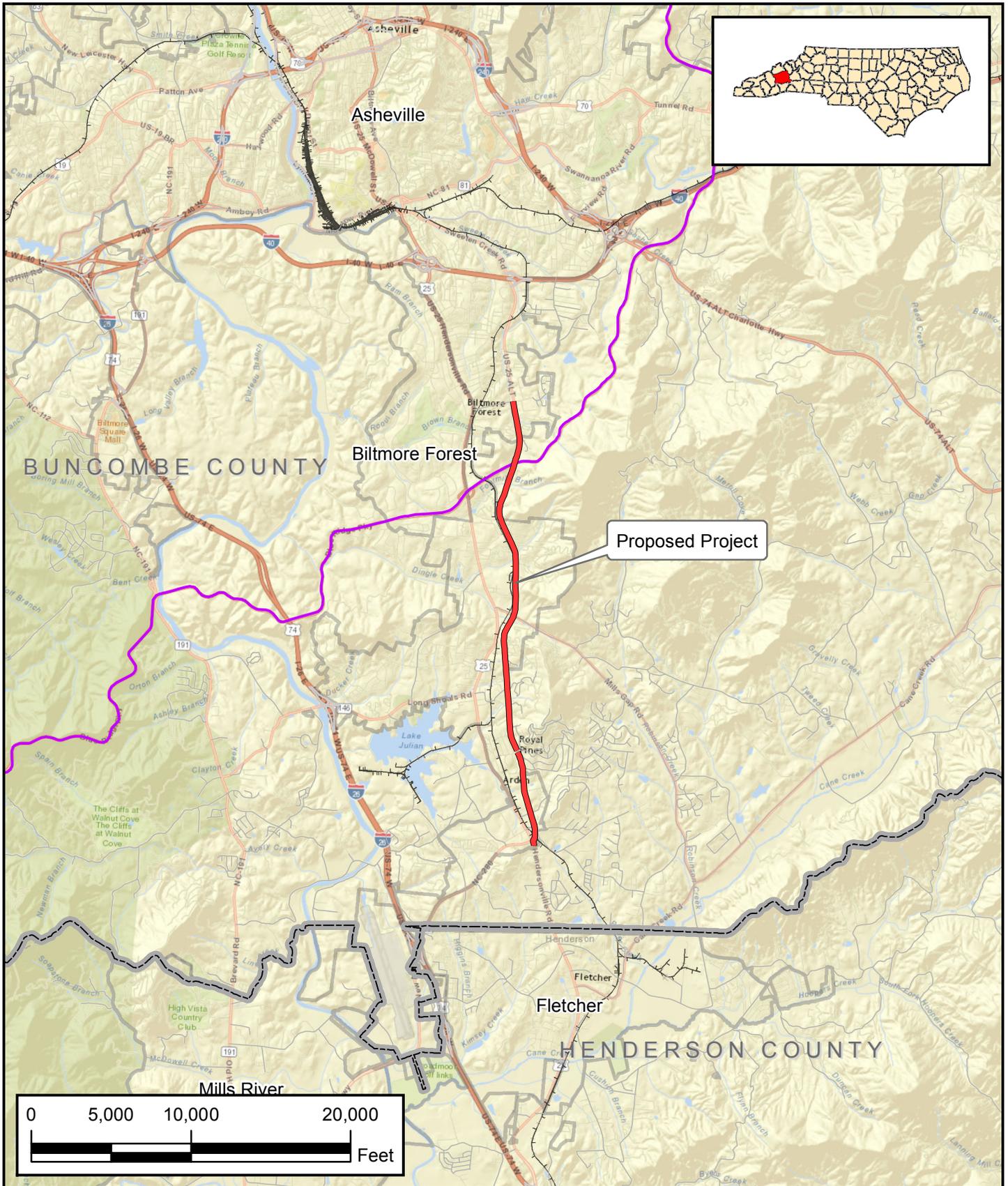
Duke Energy (incl. buried fiber), Asheville Water & Sewer, PSNC Energy (natural gas), Charter Communications, AT&T

Preliminary Study Area Resources Inventory Table
(Use with Figure 2)

Resource/Affected Environment & Measure	Applicability/ Resources in Study Area
General Project Information	
Length of project (approximate in miles)	5.4 miles
Crossing or Intersecting (#) <i>Intersections (major) include:</i> 1. US 25A at US 25 (Hendersonville Rd) 2. US 25A over Blue Ridge Southern Railroad (BLU) 3. US 25A at SR 3187 (Pensacola Ave/SR 3188 (Christ School Rd) 4. US 25A at SR 3116 (Mills Gap Rd) 5. US 25A at SR 3081 (Rock Hill Rd)	4 - Intersections 1 – railroad crossing (grade-separated)
Cultural Resources	
NRHP (and eligible sites, districts, other properties) (#) NRHP Listed (2010) Blake House; HPO Site ID BN0562; just west of Sweeten Creek Rd./Royal Pines Dr. intersection	1 – Known site 0 – Known National Register Historic Districts
Human Environment	
Community Resources (#)	6 - Church 0 - Cemetery 1 – Schools; Carolina Day School Athletic Complex(Private)
Public Parks/Section 4(f) Properties (#)	2 – Blue Ridge Parkway, Jake Rusher Park
Greenways, Game Lands, Land and Water Conservation Fund Properties, etc. (#)	1 – Greenway; Lake Julian Greenway
Residential Properties (# potentially affected)	0 – Known
Business Properties (# potentially affected)	0 – Known
High % Special Populations (Low-income, Minority)	Yes – Minority and/or Low-Income
Natural Environment	
Streams (# of stream crossings)	30 (14 stream crossings) <i>(Subject to Change)</i>
Wetlands (est. acres)	3.0 acres (total delineated)
Critical Water Supply Watersheds	None
Riparian Buffer Rules apply	None
Identified Critical Habitat/ESA Spp. (# known)	0 - Known

Physical Environment	
Hazardous Materials (# suspected/known sites)	13 – Possible Underground Storage Tank (UST) facilities 3 – Automotive repair facilities 3 – manufacturing facilities
Utilities	Gas, fiber optic, electric (aerial poles and transmission towers), water, storm water, cable, phone, and a telecommunications tower.
Active agriculture (Voluntary Agricultural District)	No VADs or EVADs in study area
Noise	Impacts TBD Noise sensitive receptors in study area

NOTES: This table is intended to be used in conjunction with the Environmental Features Map (**Figure 2**) and the USGS Map (**Figure 3**).



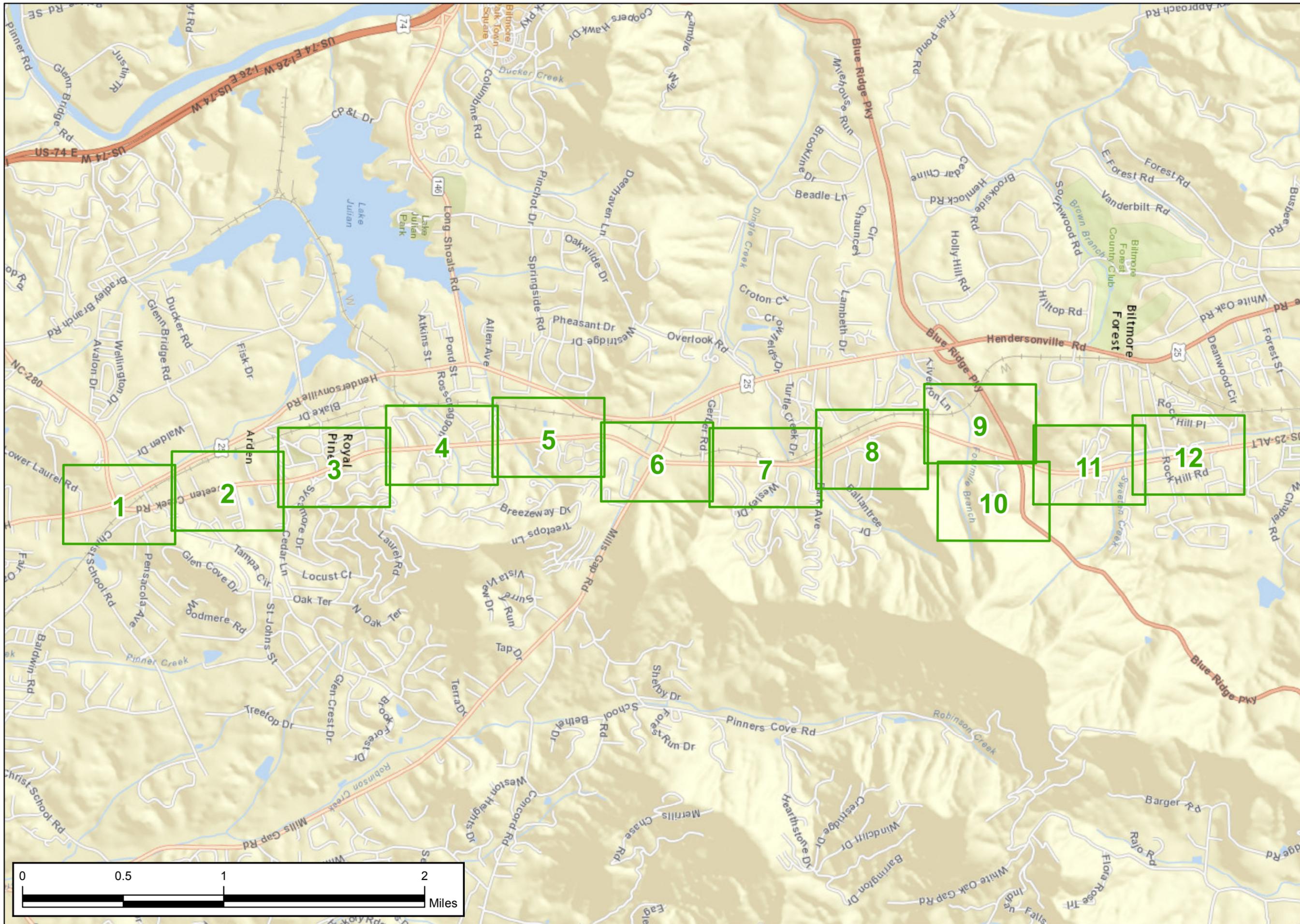
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS UNIT

VICINITY MAP
WIDEN SWEETEN CREEK ROAD (US 25A) FROM HENDERSONVILLE ROAD (US 25) TO SR 3801 (ROCK HILL RD)
 BUNCOMBE COUNTY
 TIP PROJECT U-2801A



County:	BUNCOMBE	
Div:	13	TIP# U-2801A
WBS:	34859.1.FR3	
Date:	SEPT 2015	

Figure 1



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ENVIRONMENTAL FEATURES MAP
WIDEN SWEETEN CREEK RD
FROM HENDERSONVILLE RD (US 25)
TO SR 3801 (ROCK HILL HD)
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By:
C ROWELLS

County:
BUNCOMBE

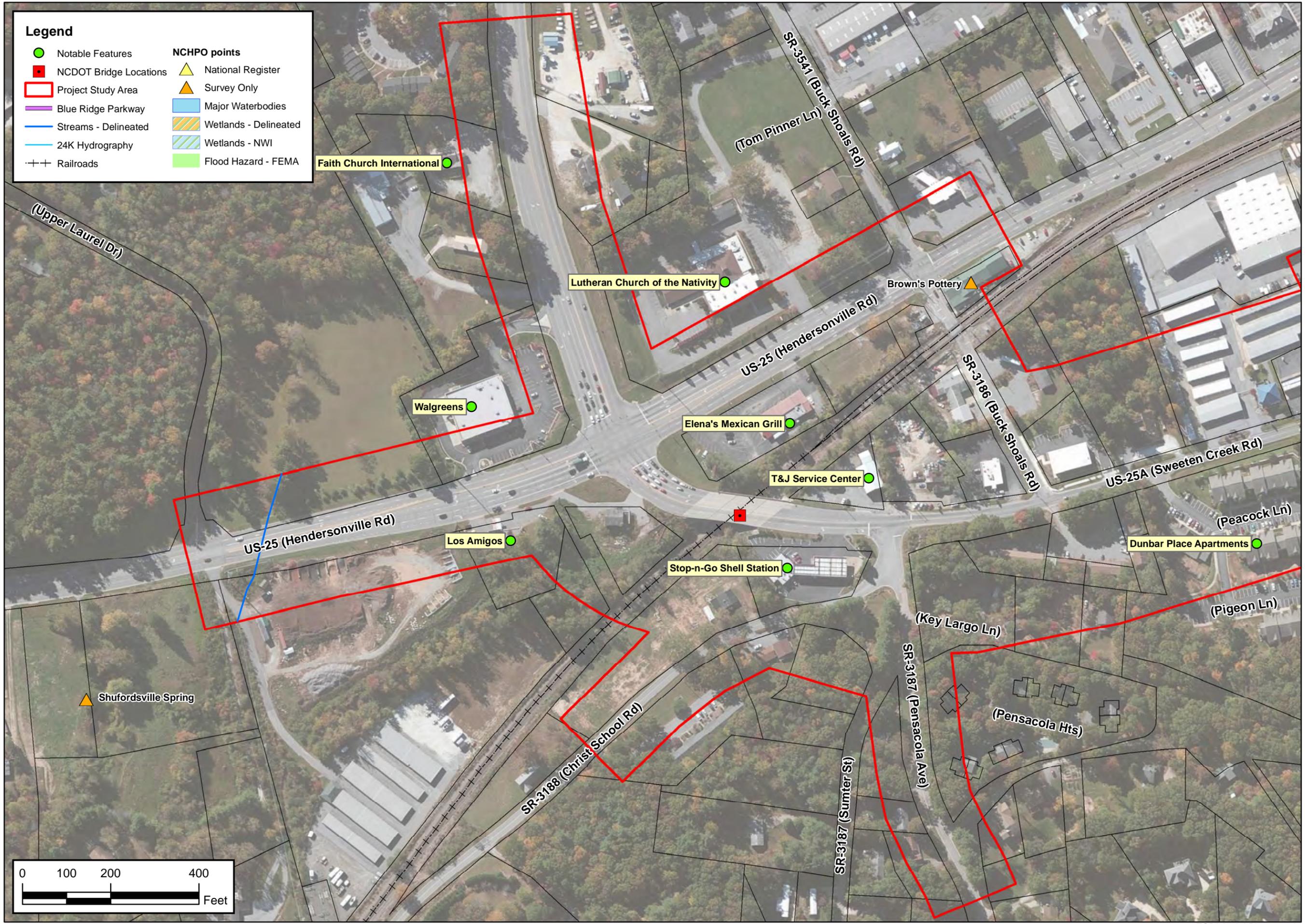
Div: 13	TIP# U-2801A
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Date:
OCTOBER 2015

Figure
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Legend

- Notable Features
- NCDOT Bridge Locations
- Project Study Area
- Blue Ridge Parkway
- Streams - Delineated
- 24K Hydrography
- Railroads
- ▲ National Register
- ▲ Survey Only
- Major Waterbodies
- Wetlands - Delineated
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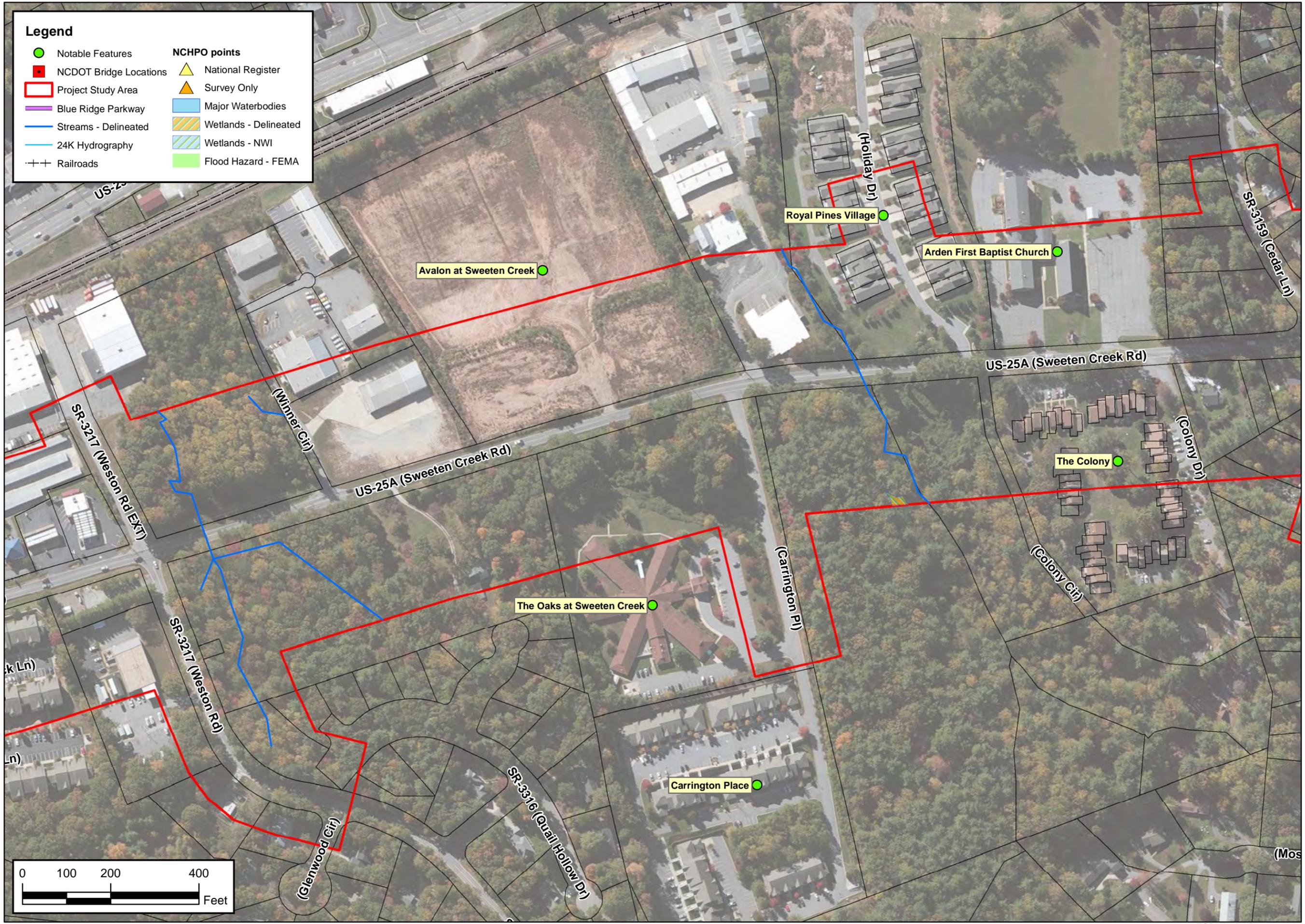
Figure
2-1

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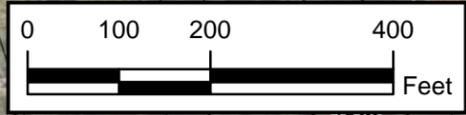
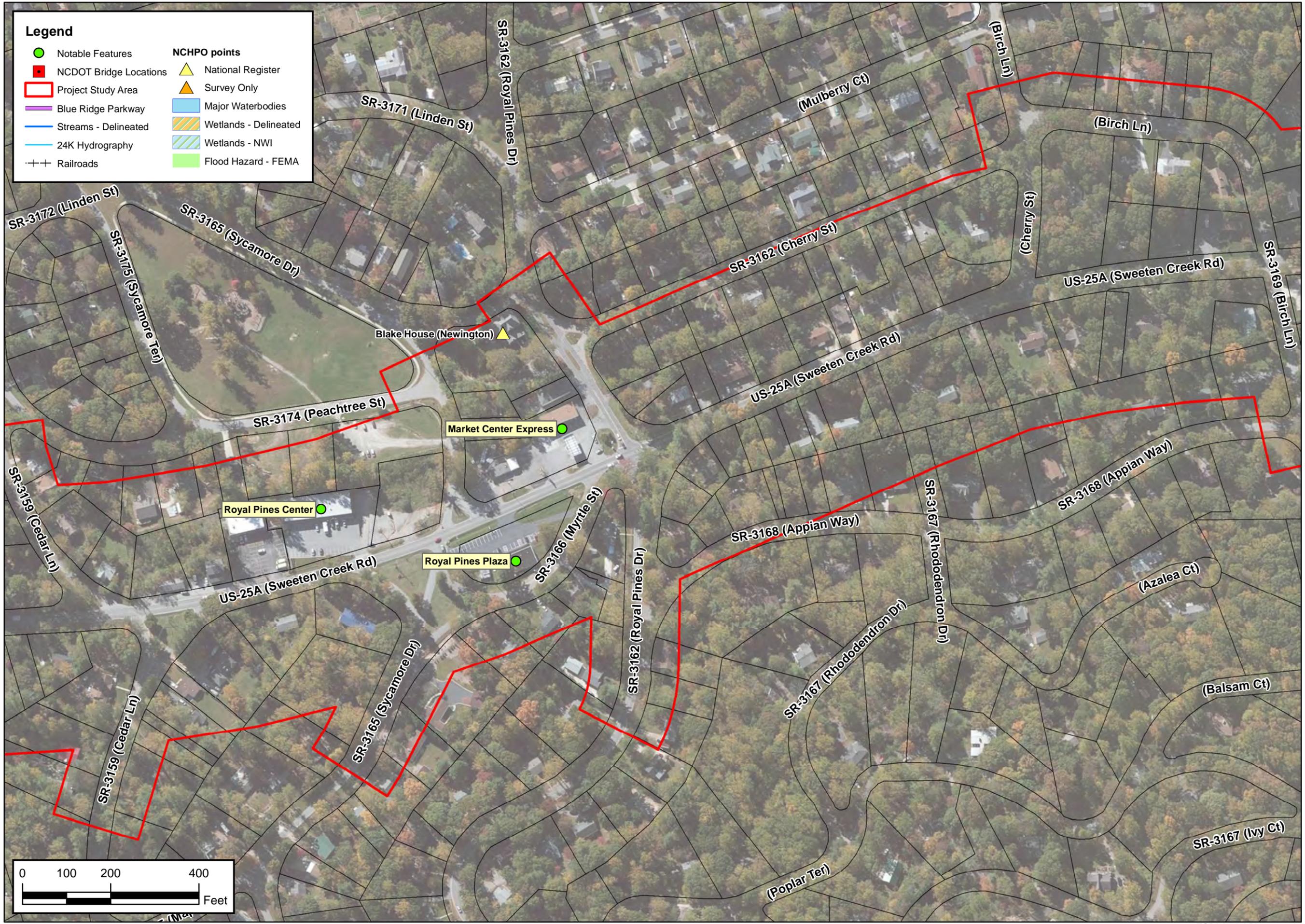
Figure
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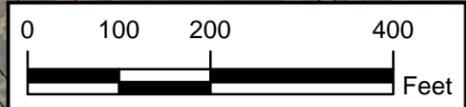
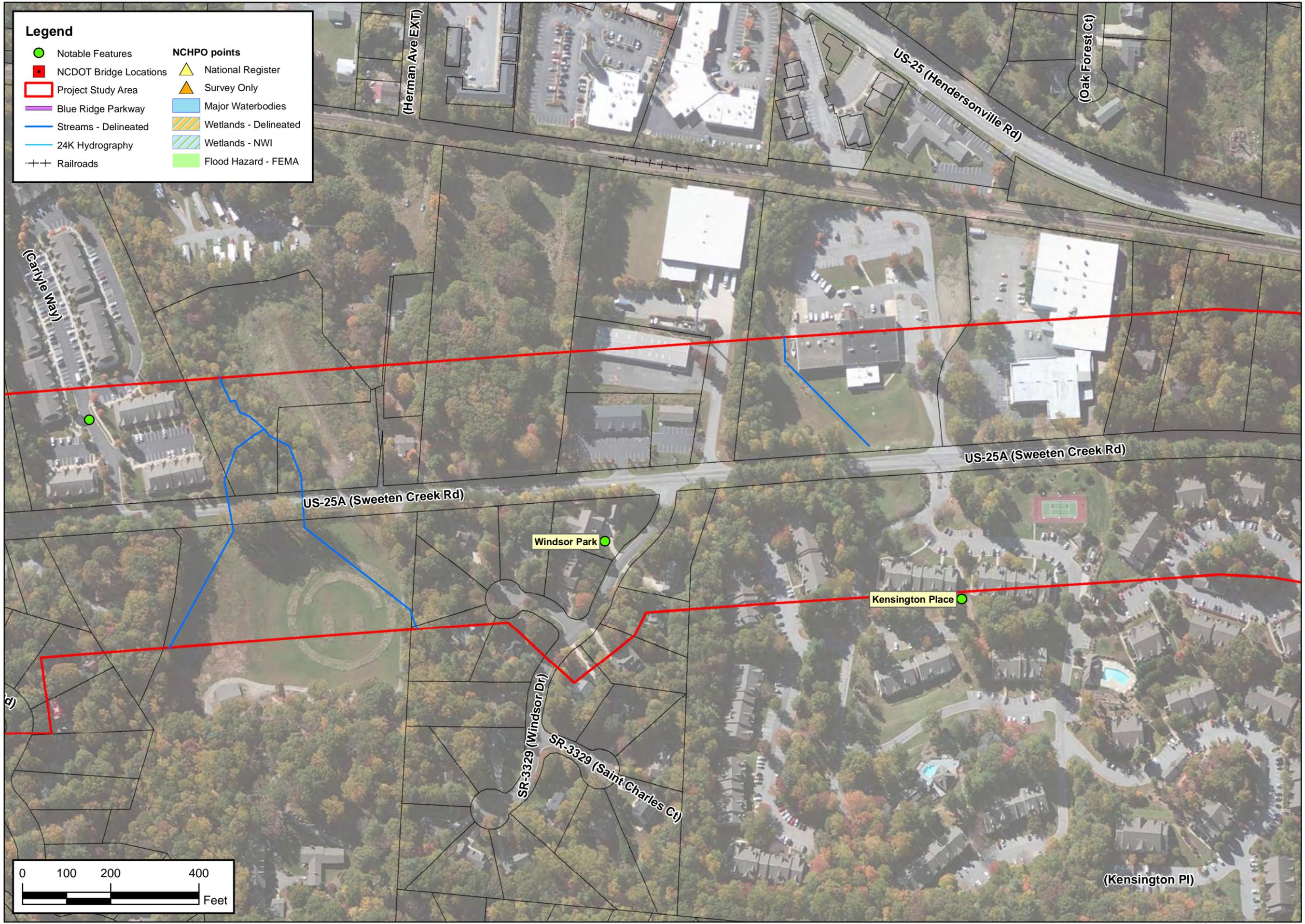
Figure
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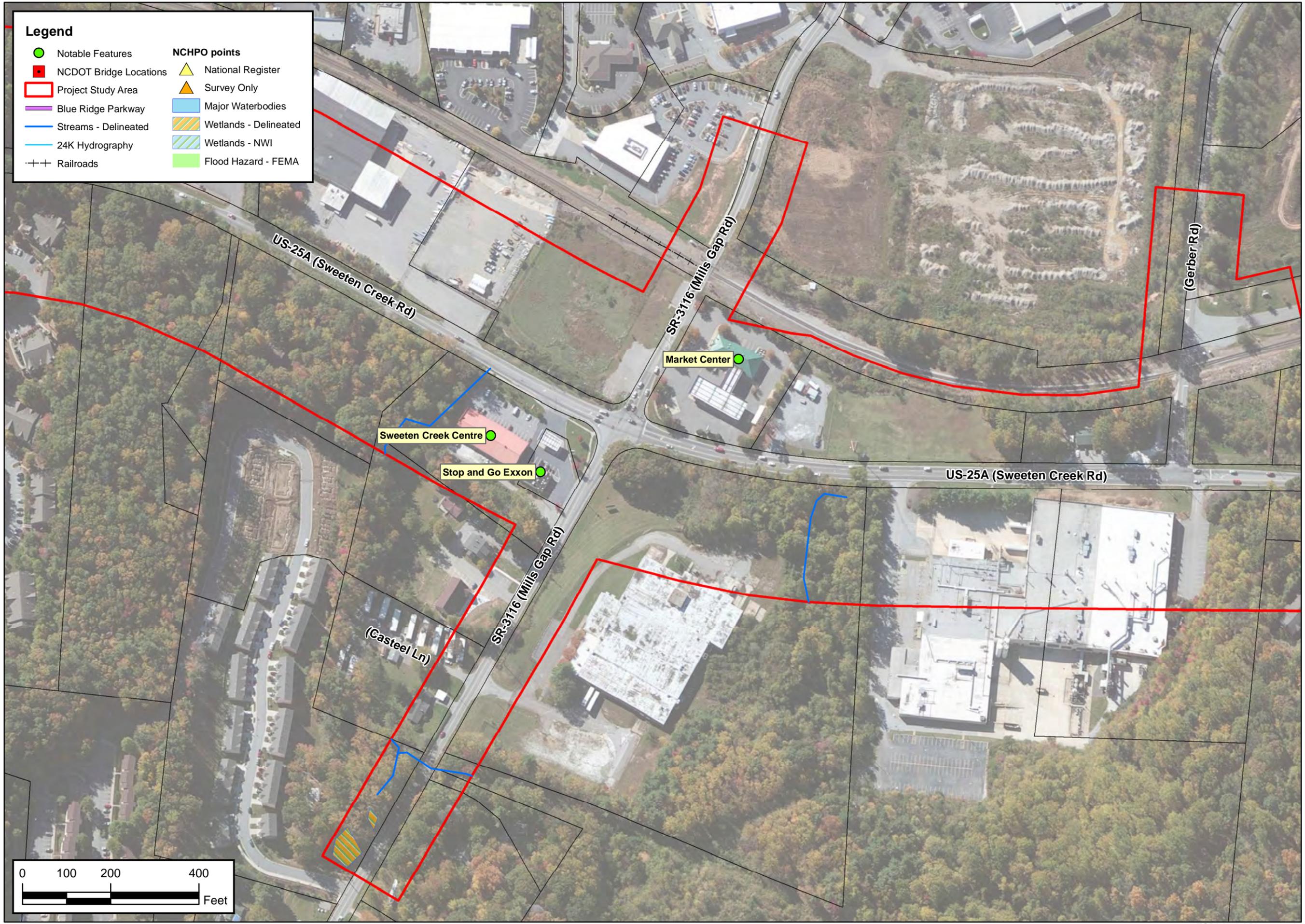
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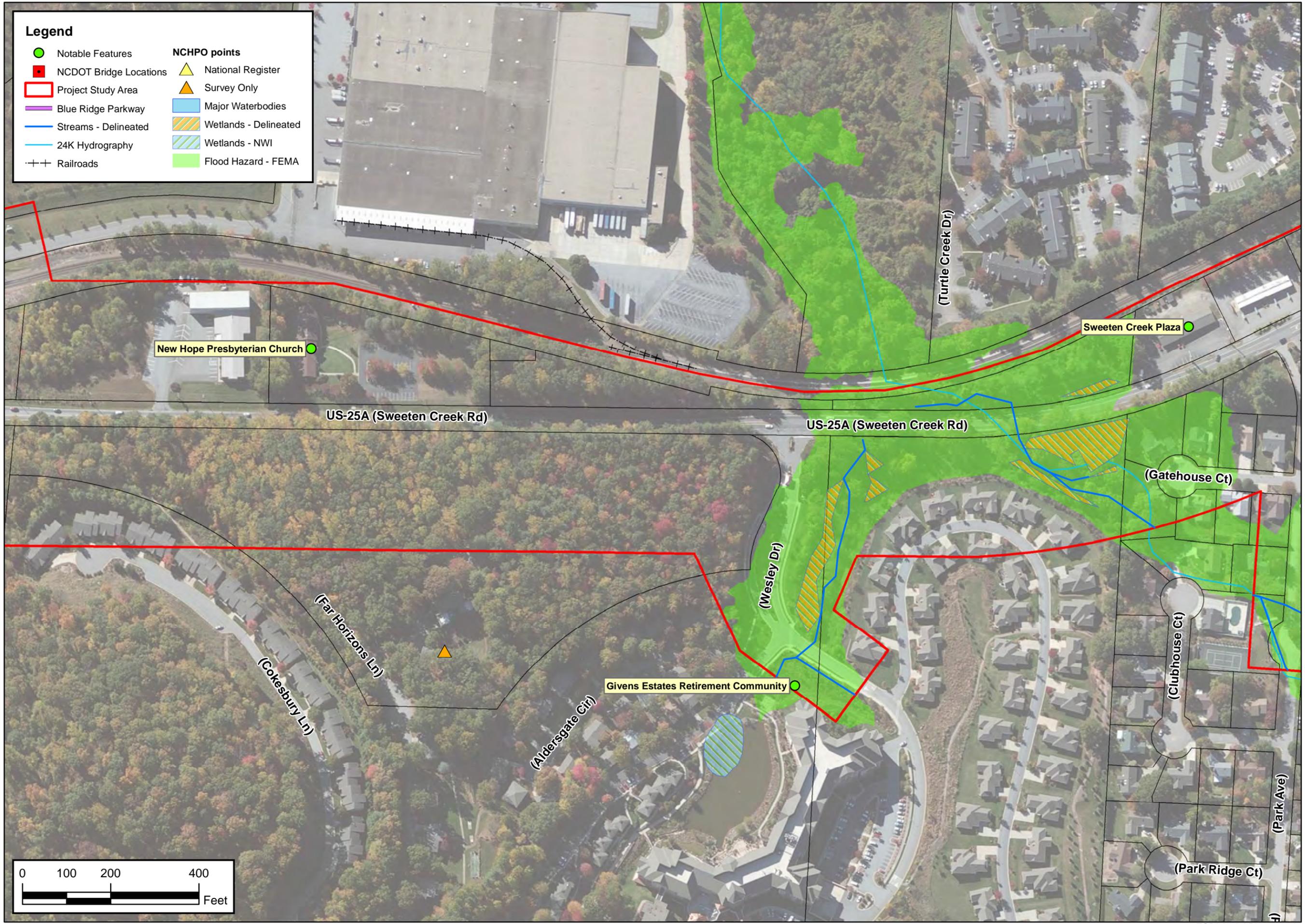
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2-6

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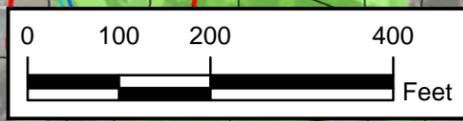
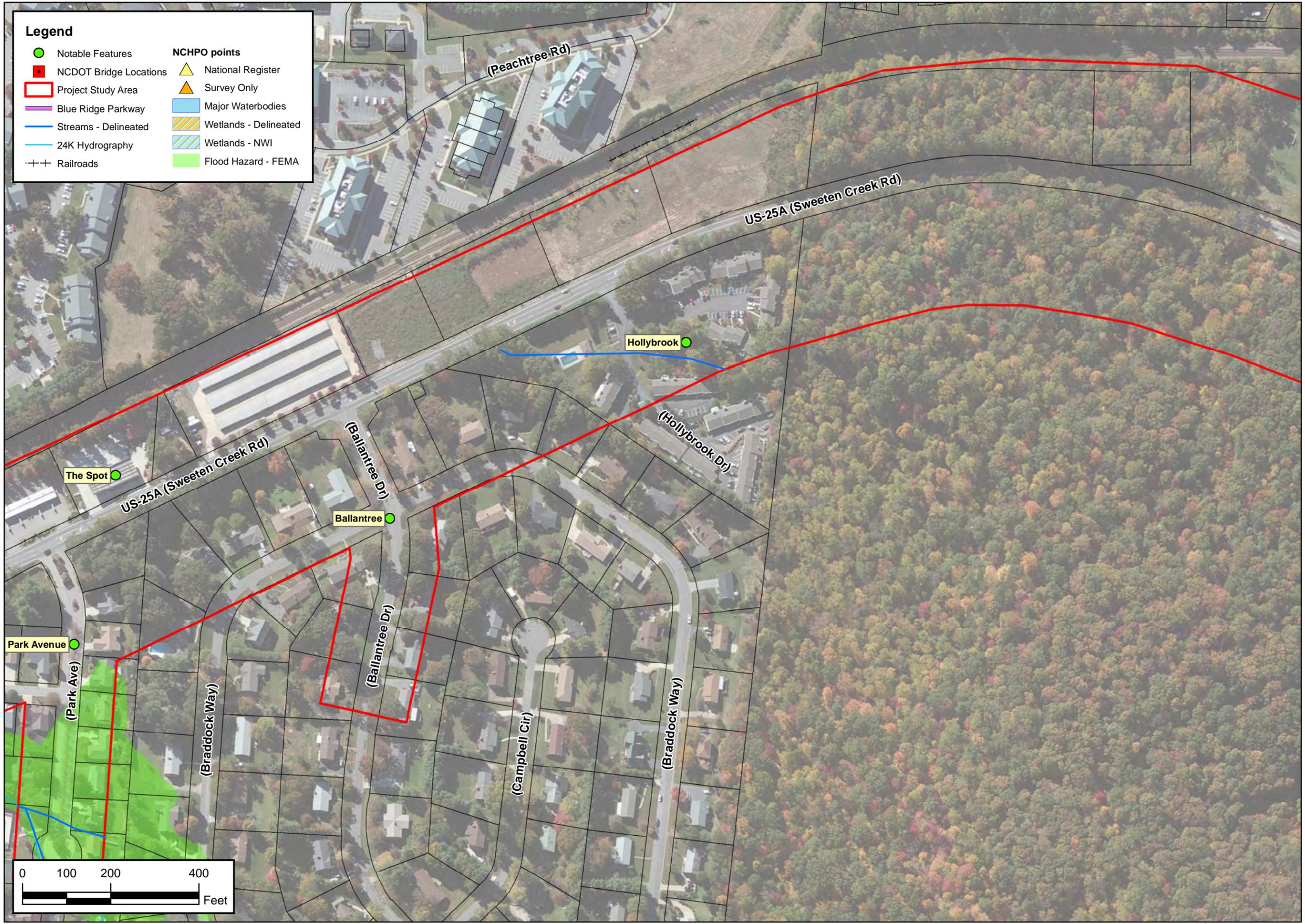
Figure
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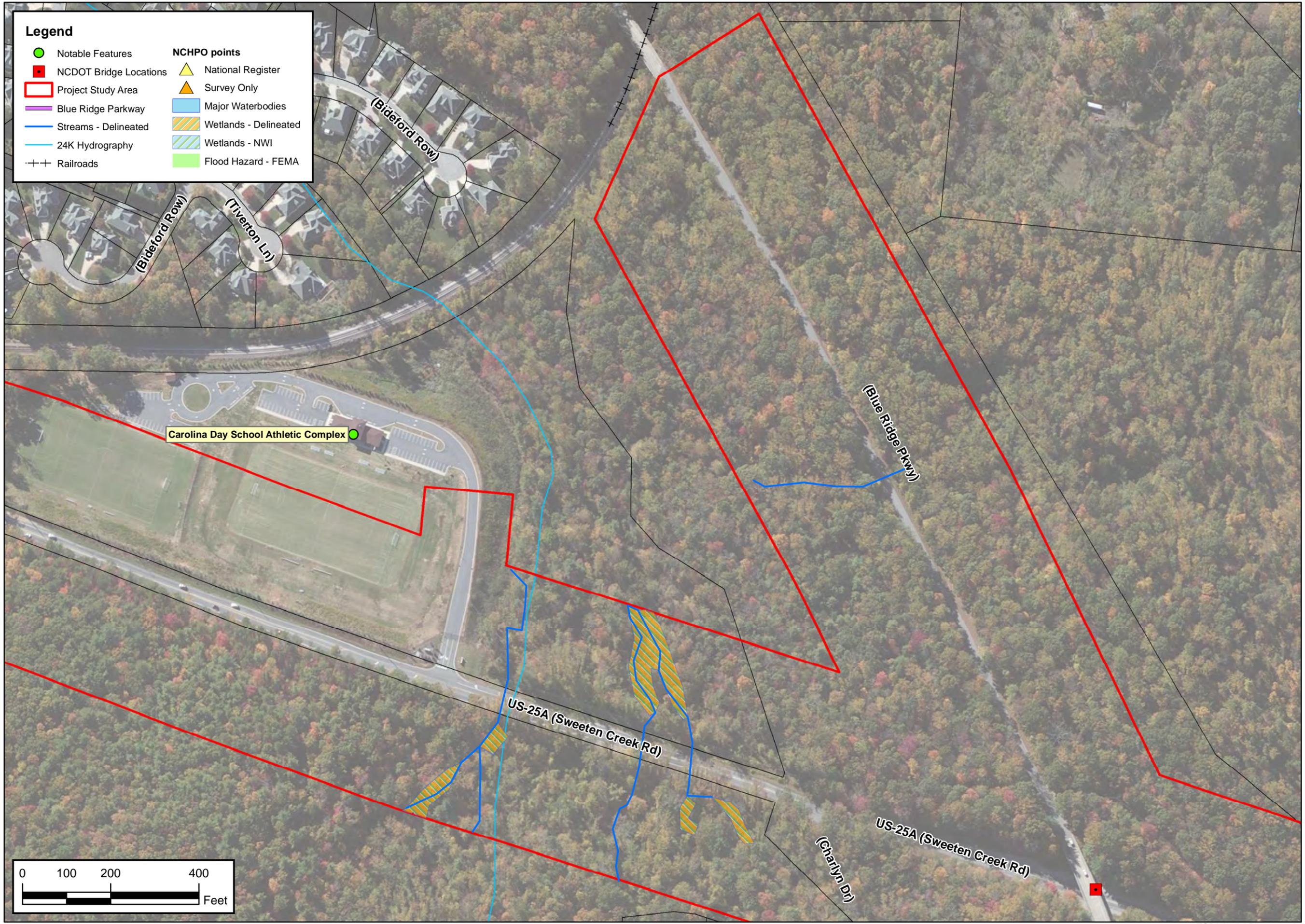
Figure
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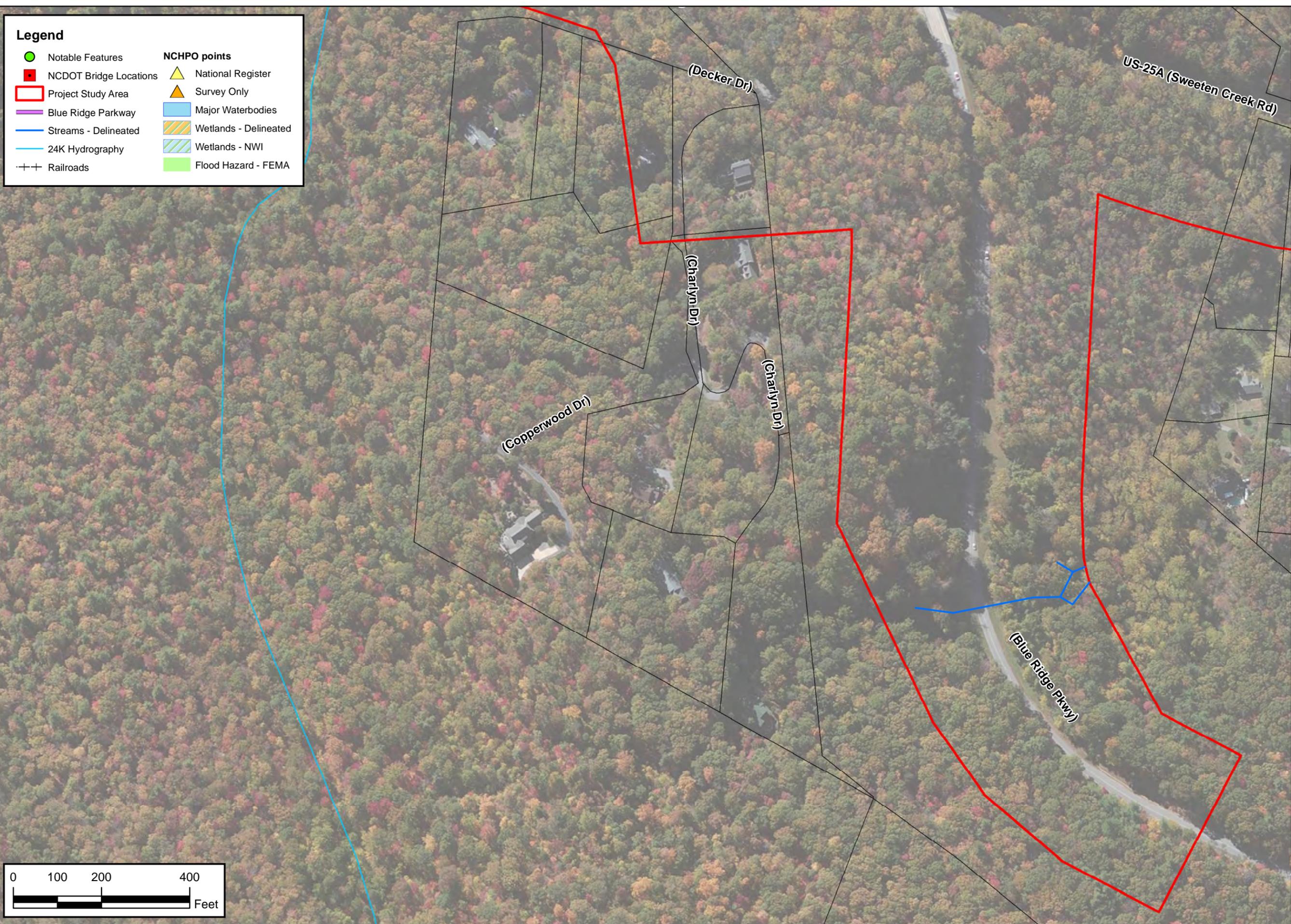
Figure
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ESRI Aerial Photograph



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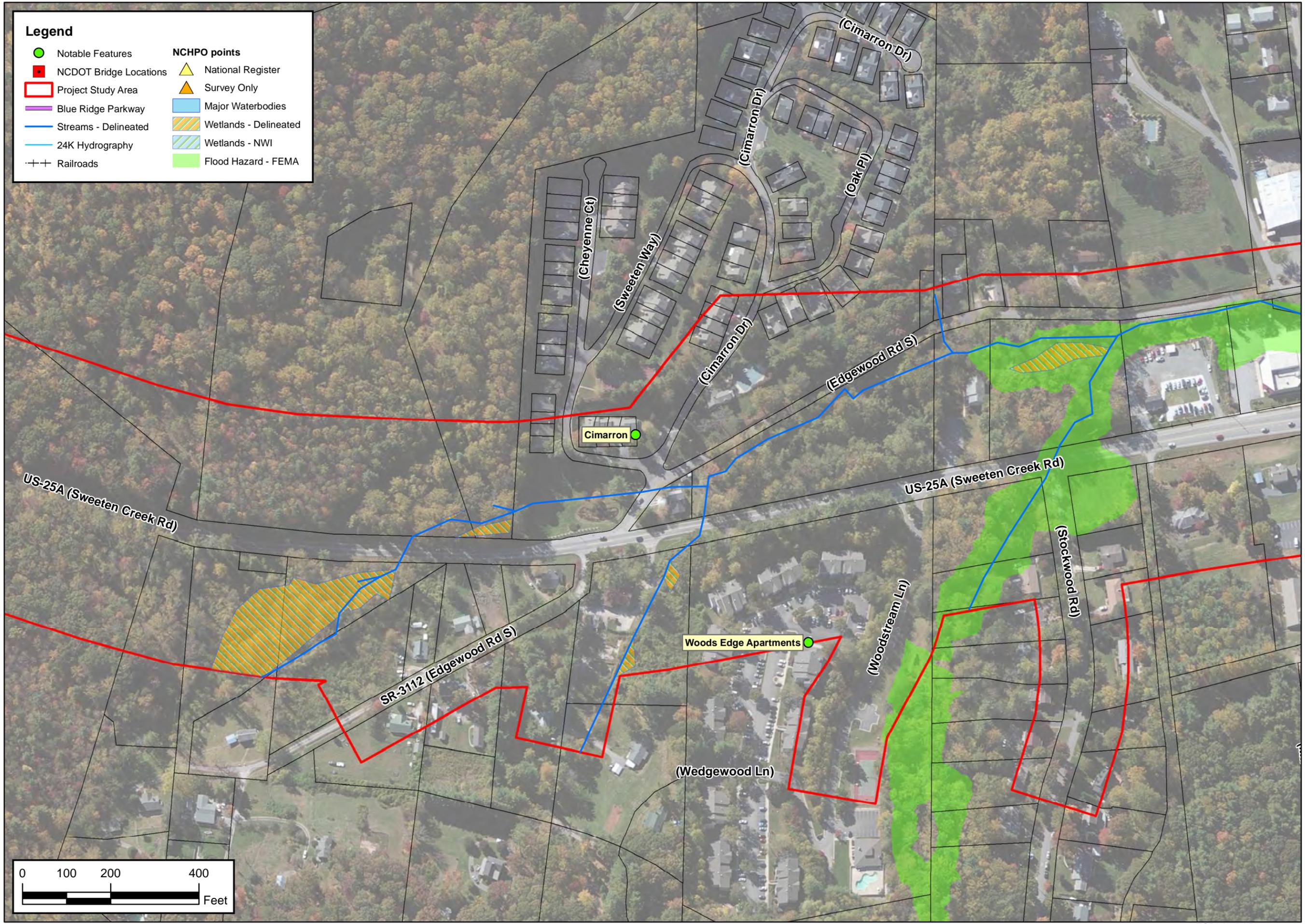
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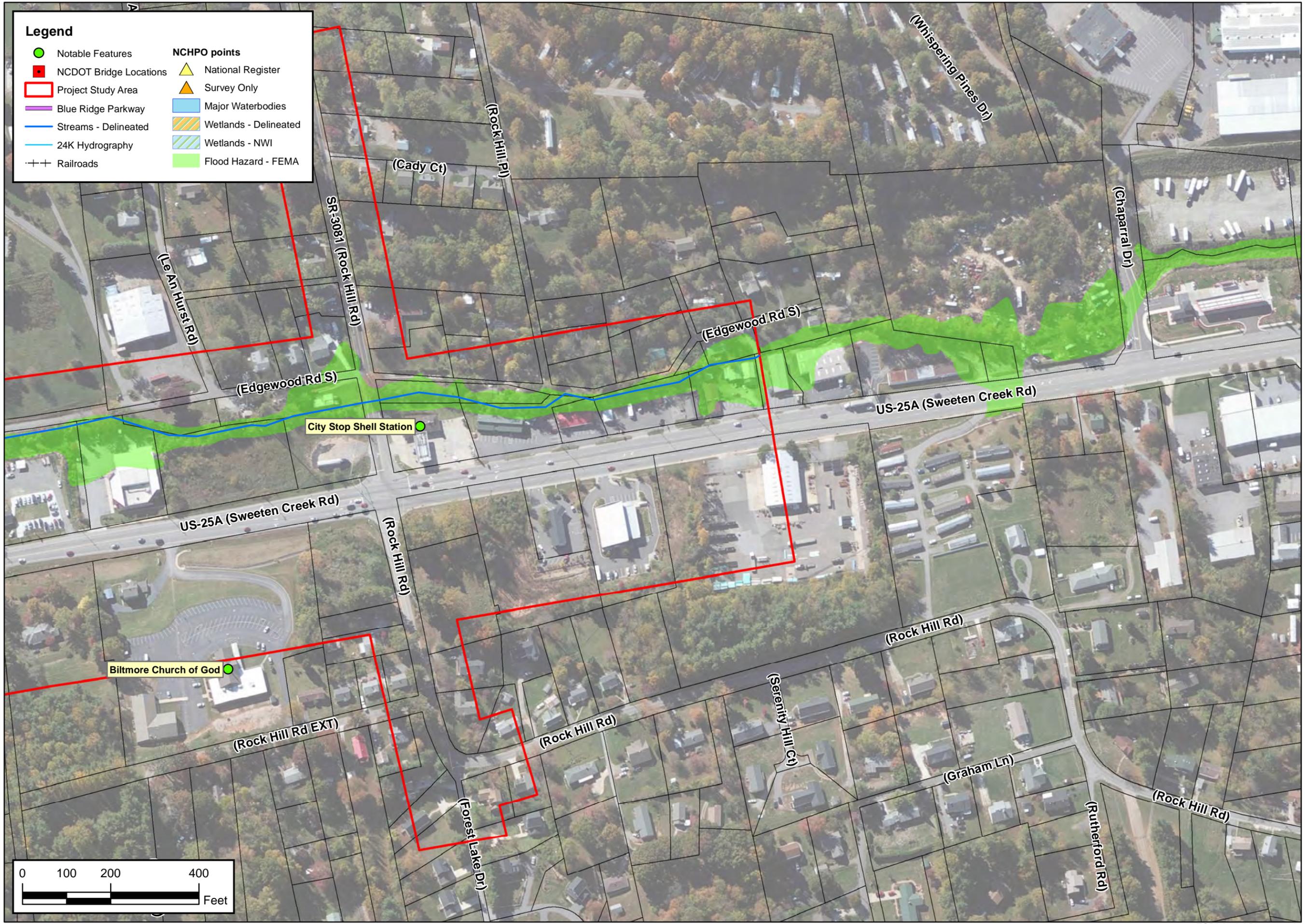
Figure
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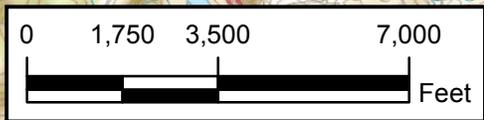
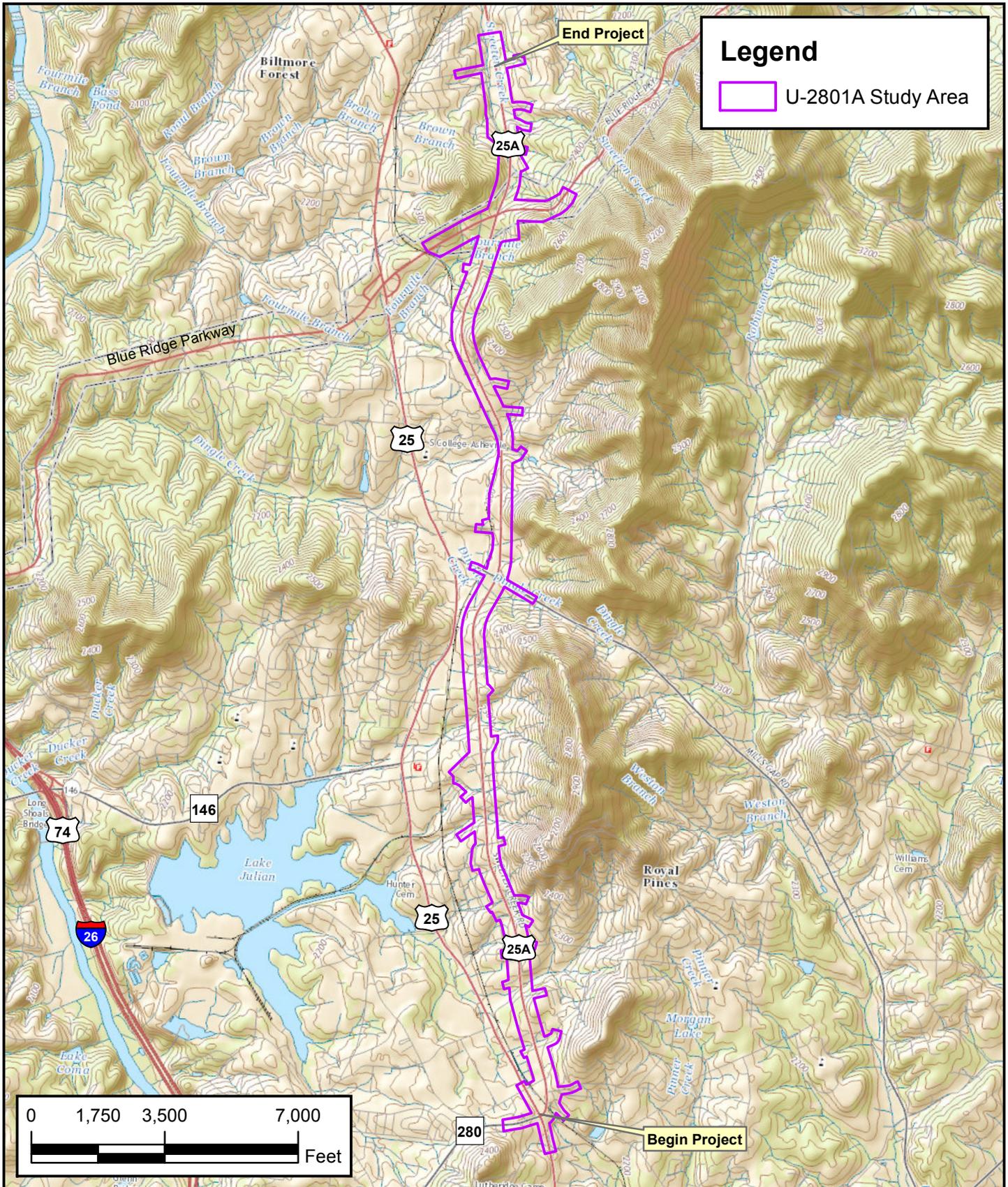
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Figure
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 PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS UNIT

USGS TOPO MAP
 WIDEN SWEETEN CREEK ROAD (US 25A) FROM HENDERSONVILLE ROAD (US 25) TO SR 3801 (ROCK HILL RD)
 BUNCOMBE COUNTY
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Figure 3