

ENTERED
7m7-14

MINIMUM CRITERIA DETERMINATION CHECKLIST

The following questions provide direction in determining when the Department is required to prepare environmental documents for state-funded construction and maintenance activities. Answer questions for Parts A through C by checking either "Yes" or "No". Complete Part D of the checklist when Minimum Criteria Rule categories #8, 12(i) or #15 are used.

TIP Project No.:

State Project No.: 3CR.20711.999 Per Mary Kimmel Final WBS is: 3CR.20711.173

Project Location: PENDER COUNTY: Map-1) SR1104 Canetuck Rd. from SR1103 to SR1103. Map-2) SR1103 Heading Bluff Rd. from SR1104 to End of pavement North End. Map-3) SR1336 Horse Branch Rd. from SR1319 to SR1209. Map-4) SR1336 Horse Branch Rd. from NC53 to SR1216. Map-5) SR1407 Scott Rd. from NC210 to SR1400. Map-6) SR1510 East Wilmington St. from US117 to NC53. Map-7) SR1349 Johnson Ave. from US117 to NC11. Map-8) SR1411 Old River Rd. from US117 to SR1412. Map-9) SR1627 Maple Rd. from SR1411 to End of pavement. Map-10) SR1109 Cowpen Landing Rd. from US421 to End of pavement.

AW 2/12/2015

Maps 8-10 have been removed from this project.
AW 2/12/2015

Project Description: Attached is a spread sheet with a discription for each rd.

Anticipated Permit or Consultation Requirements:

Special Project Information: Please see Vicinity maps, and spread sheet ATTACHED for further information.

The roads listed above have been reviewed. No permits are required for this work as no impacts are proposed. The work on SR 1510 (Map 6) was evaluated and cleared for impacts to cultural resources in consultation with the State Historic Preservation Office (see attached) due to this project extending into the Burgaw Historic District. Any contractor should be aware of this district (as shown shaded in blue on the historic architecture form. Particularly in this area there should be no staging of equipment and no vegetation removal.

Proceed. -AW

PART A: MINIMUM CRITERIA

Item 1 to be completed by the Engineer.

- | | YES | NO |
|--|-------------------------------------|--------------------------|
| 1. Is the proposed project listed as a type and class of activity allowed under the Minimum Criteria Rule in which environmental documentation is <u>not</u> required? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

If the answer to number 1 is “no”, then the project does not qualify as a minimum criteria project. A state environmental assessment is required.

If yes, under which category? **8d, 12d**

If either category #8, #12(i) or #15 is used complete Part D of this checklist.

PART B: MINIMUM CRITERIA EXCEPTIONS

Items 2 – 4 to be completed by the Engineer.

- | | YES | NO |
|---|--------------------------|-------------------------------------|
| 2. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact to human health or the environment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications, that an uncommon concern for its environmental effects has been expressed to the Department? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Item 5-8 to be completed by Division Environmental Officer.

- | | | |
|--|--------------------------|-------------------------------------|
| 5. Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or ground water impacts? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- | | YES | NO |
|---|--------------------------|-------------------------------------|
| 8. Is the proposed activity expected to have a significant adverse effect on long-term recreational benefits or shellfish, finfish, wildlife, or their natural habitats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If any questions 2 through 8 are answered “yes”, the proposed project may not qualify as a Minimum Criteria project. A state environmental assessment (EA) may be required. For assistance, contact:

Manager, Project Development and Environmental Analysis Branch
P. O. Box 25201
Raleigh, NC 27611
(919) 733 –3141
Fax: (919) 733-9794

PART C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

- | <i>Items 9- 12 to be completed by Division Environmental Officer.</i> | YES | NO |
|--|--------------------------|-------------------------------------|
| 9. Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Does the action require the placement of temporary or permanent fill in waters of the United States? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as mountain bogs or pine savannahs? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Is the proposed action located in an Area of Environmental Concern, as defined in the coastal Area Management Act? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- | <i>Items 13 – 15 to be completed by the Engineer.</i> | | |
|--|--------------------------|-------------------------------------|
| 13. Does the project require stream relocation or channel changes? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Cultural Resources

- | | | |
|---|--------------------------|-------------------------------------|
| 14. Will the project have an “effect” on a property or site listed on the National Register of Historic Places? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Questions in Part “C” are designed to assist the Engineer and the Division Environmental Officer in determining whether a permit or consultation with a state or federal resource agency may be required. If any questions in Part “C” are answered “yes”, follow the appropriate permitting procedures prior to beginning project construction.

PART D:(To be completed when either category #8, 12(i) or #15 of the rules are used.)

Items 16- 22 to be completed by Division Environmental Officer.

16. Project length: Spread sheet attached.
17. Right of Way width: 60'
18. Project completion date: Fall 2015
19. Total acres of newly disturbed ground surface: _____
20. Total acres of wetland impacts: _____
21. Total linear feet of stream impacts: _____
22. Project purpose: _____

If Part D of the checklist is completed, send a copy of the entire checklist document to:

Don G. Lee
State Roadside Environmental Engineer
Mail Service Center 1557
Raleigh, NC 27699-1557
(919) 733-2920
Fax (919) 733-9810
Email: dlee@dot.state.nc.us

Reviewed by:

Ravann

Lead Engineer

Date:

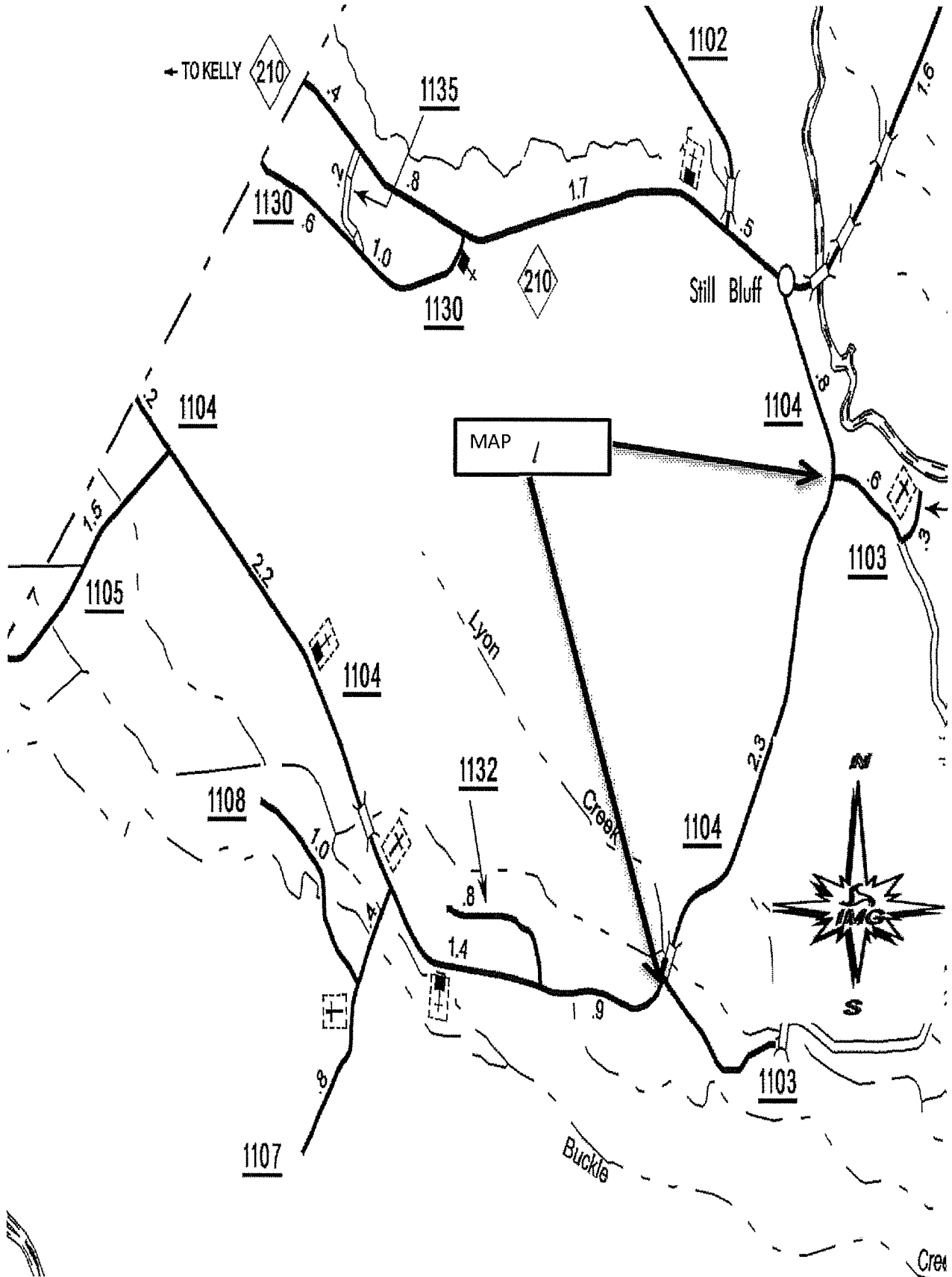
7/8/14

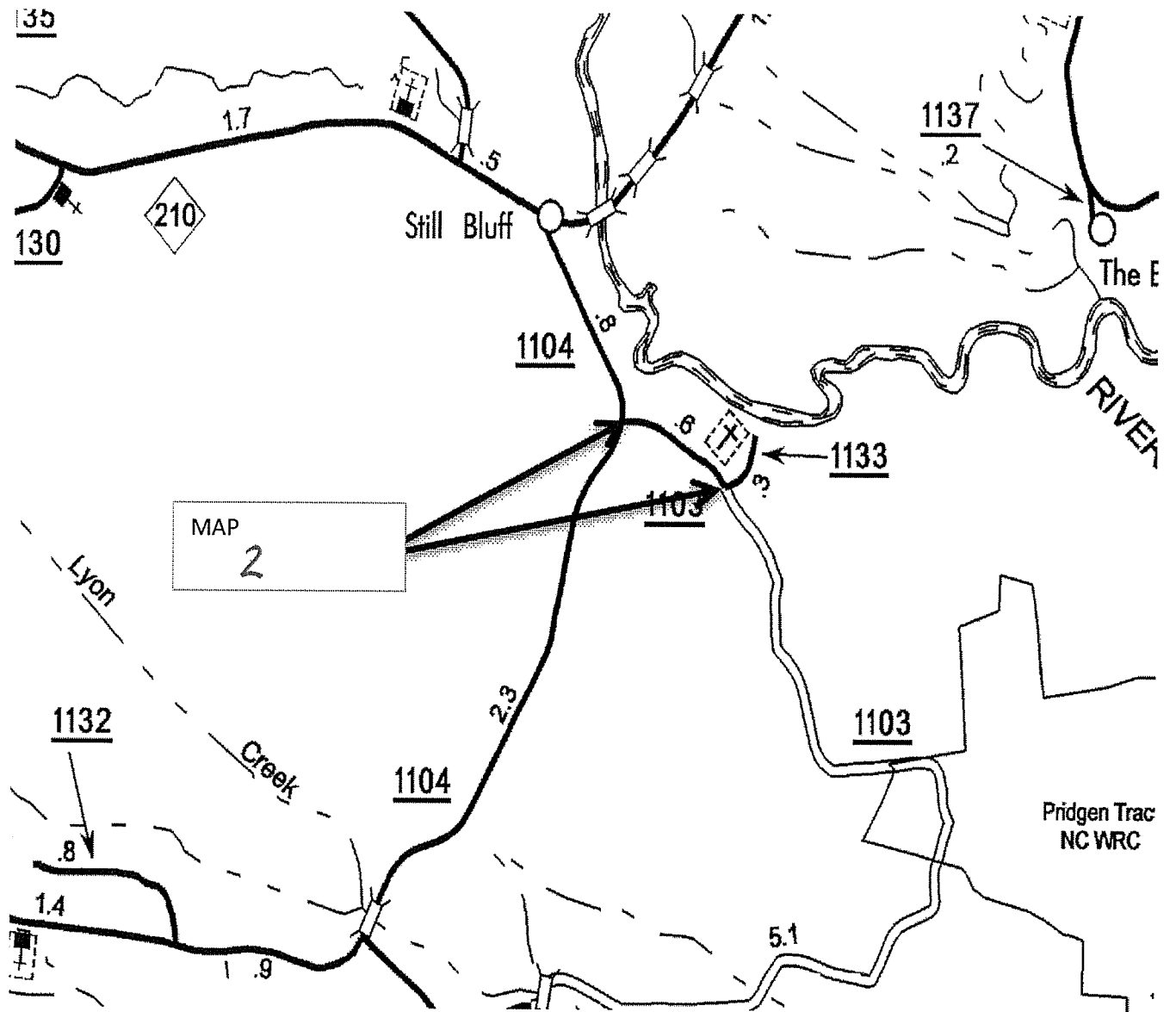
Annaliese Witzelhal

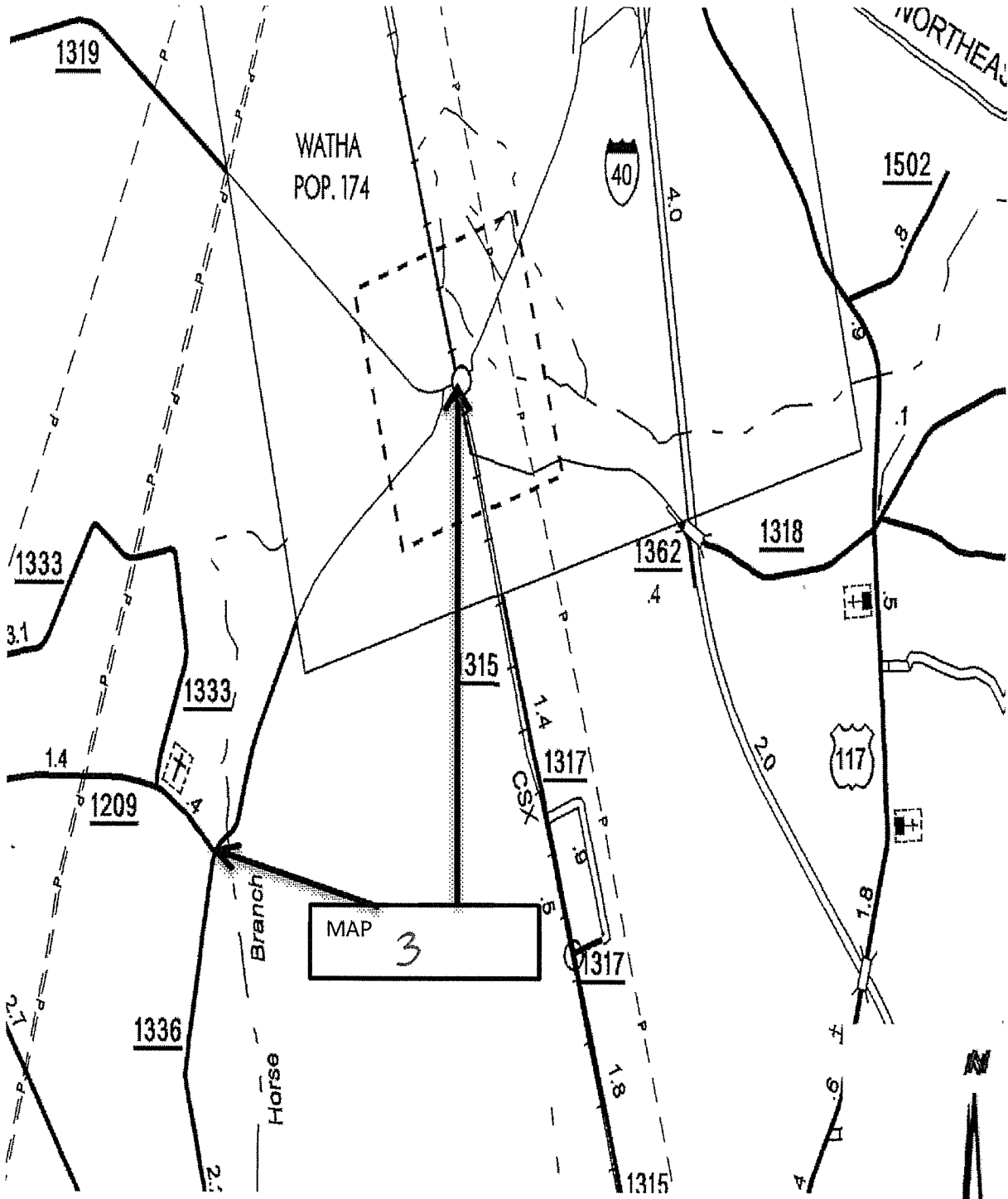
Division Environmental Officer

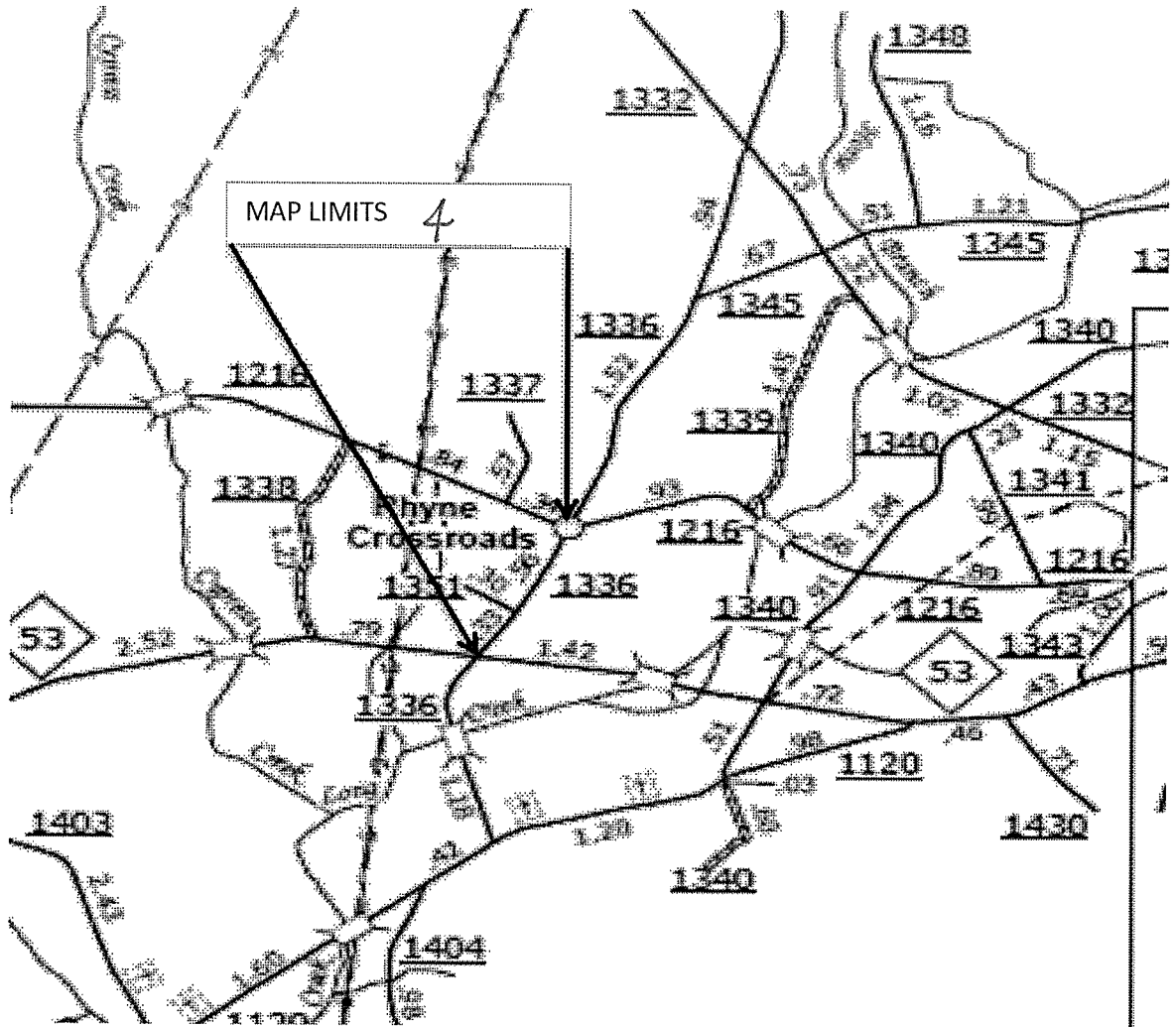
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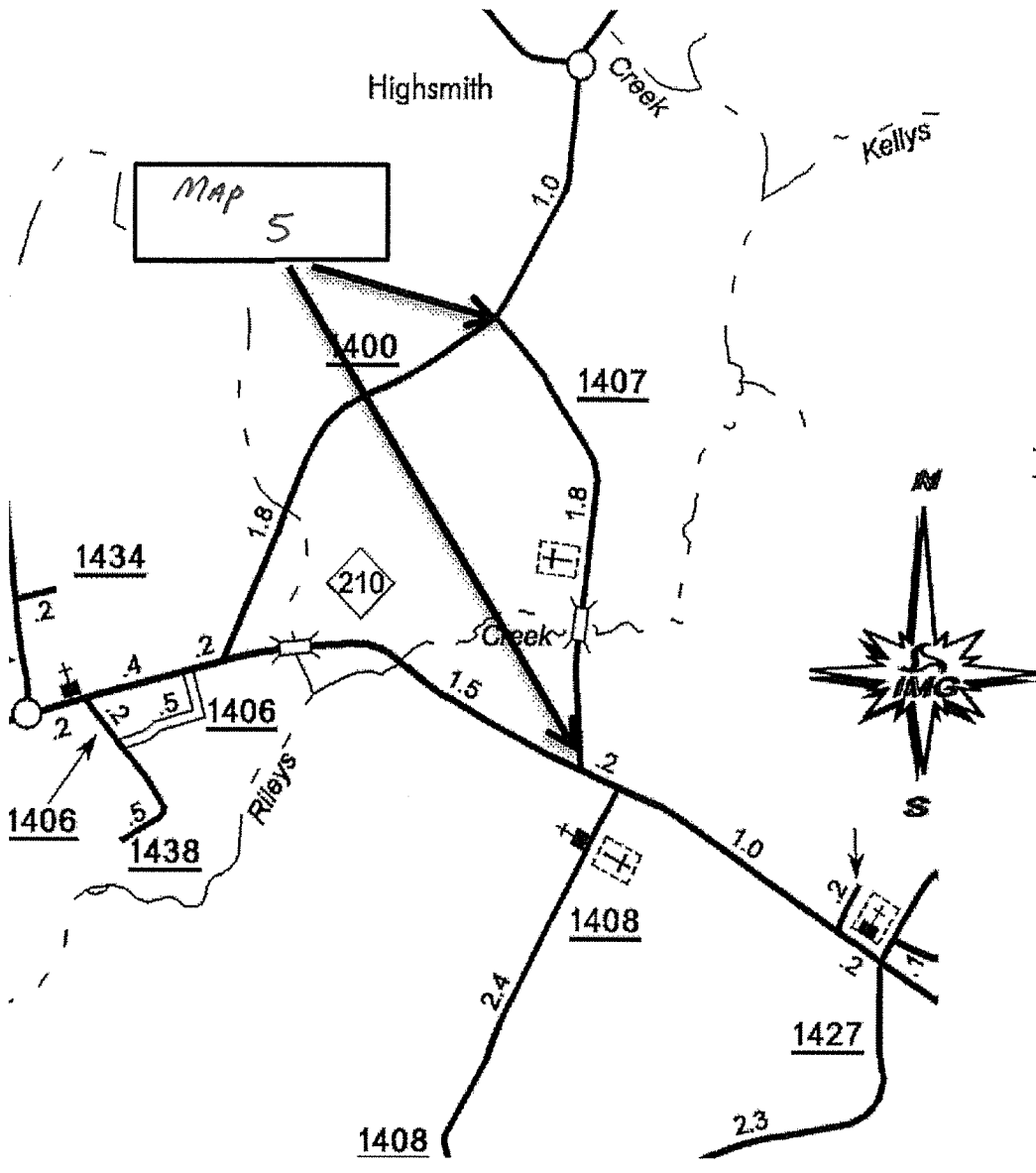
9/24/2014

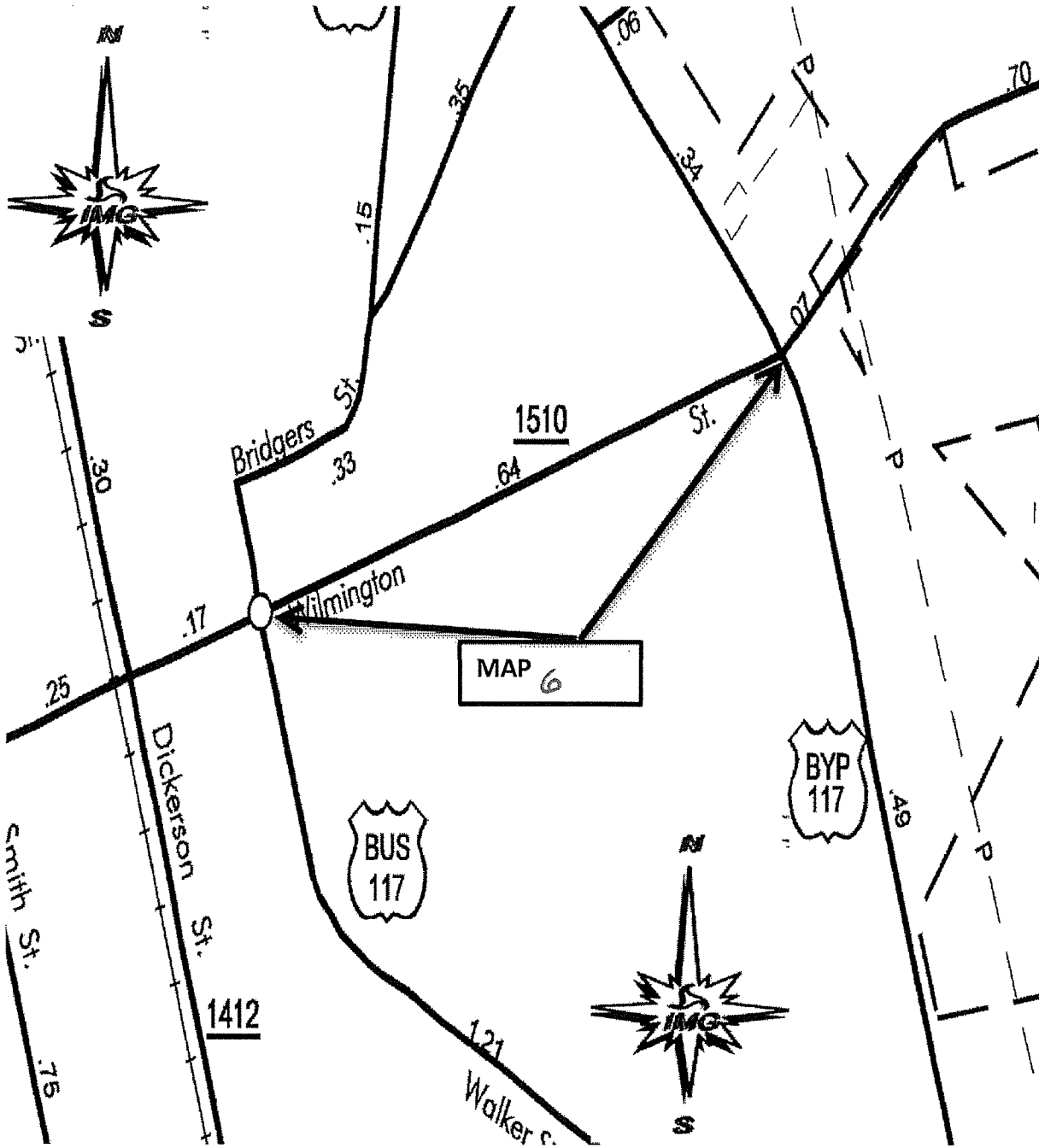


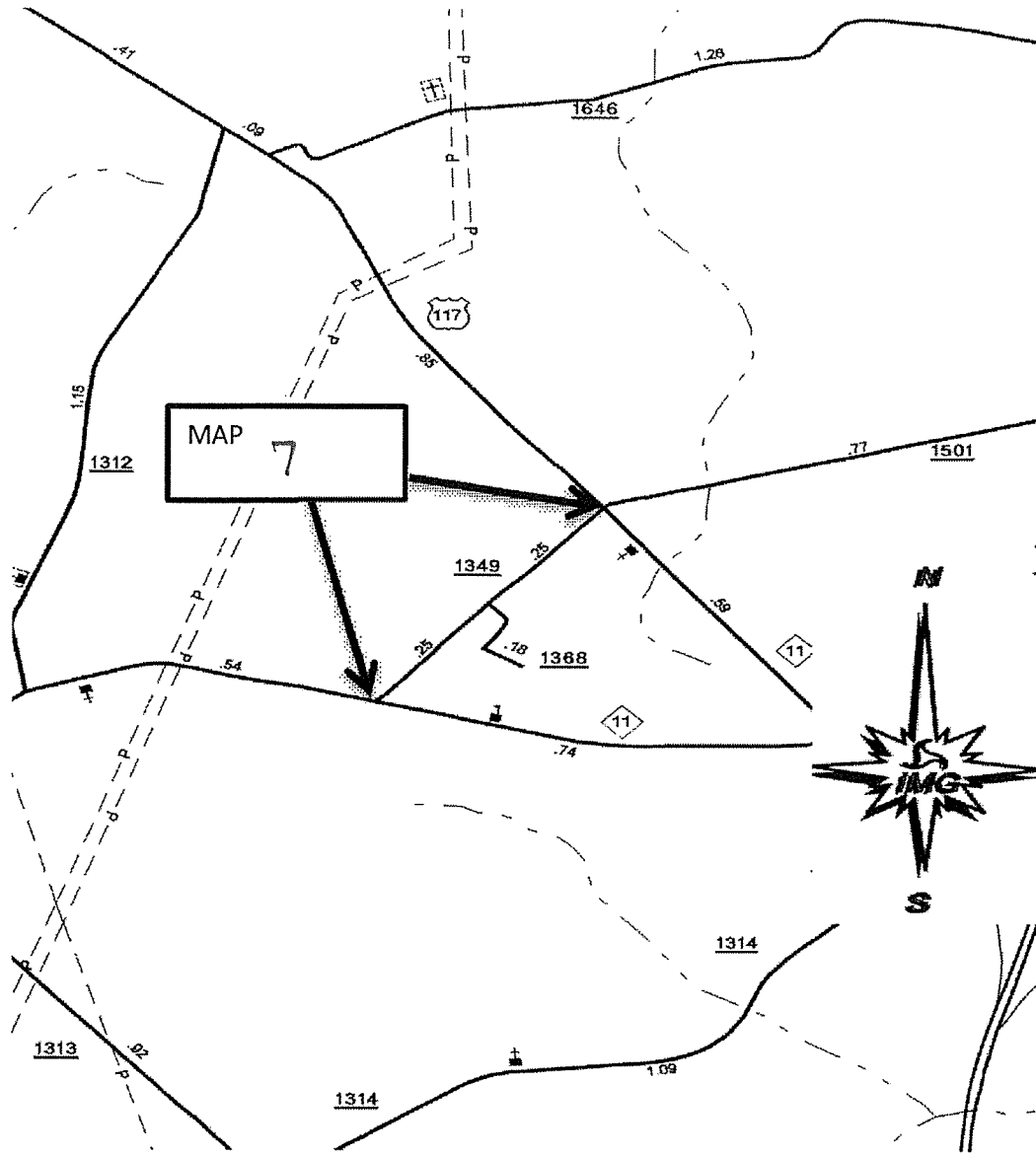












14-08-0012



NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.



PROJECT INFORMATION

Project No: **na** County: **Pender**
 WBS No: **3CR.PE** Document: **MCC**
 F.A. No: **na** Funding: State Federal
 Federal Permit Required? Yes No Permit Type: **na**

Project Description: NCDOT Division 3 intends to resurface SR 1510, East Wilmington Street in Burgaw from US 117 to North Walker Street, NC 53. The project review request listed the subject section of SR 1510 as .67mile long (1.08-kilometers). All proposed work will occur within the existing right-of-way (ROW) which is estimated at 60 feet wide (roughly 18 meters). Thus the area of potential effects (APE) is estimated at 4.87 acres (1.97 hectares).

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

A review of the site maps and files archived at the North Carolina Office of State Archaeology was conducted on August 26, 2014. No previously identified archaeological resources are located within the APE, but the western end of the APE passes through the National Register-listed Burgaw Historic District (PD0250) and is adjacent the National Register-listed Pender County Courthouse property (PD0004). An examination of soil maps for this portion of Pender County reveals much of the project falls within areas mapped as Exum-Urban land complex soils (EuA) or eroded Aycock loam soils (AyB2). No further archaeological investigations are required for the project as currently proposed. Should the project APE expand outside existing ROW further review will be required.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

As noted in the review request, the resurfacing project includes no widening of travel lanes and will not expand outside the existing severely disturbed ROW. Additionally, much of the project APE falls within areas of soils that are typically ill-suited to the preservation of archaeological site integrity.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Other: NRCS web soil survey information (<http://websoilsurvey.nrcs.usda.gov/app/>)

FINDING BY NCDOT ARCHAEOLOGIST

NO ARCHAEOLOGY SURVEY REQUIRED

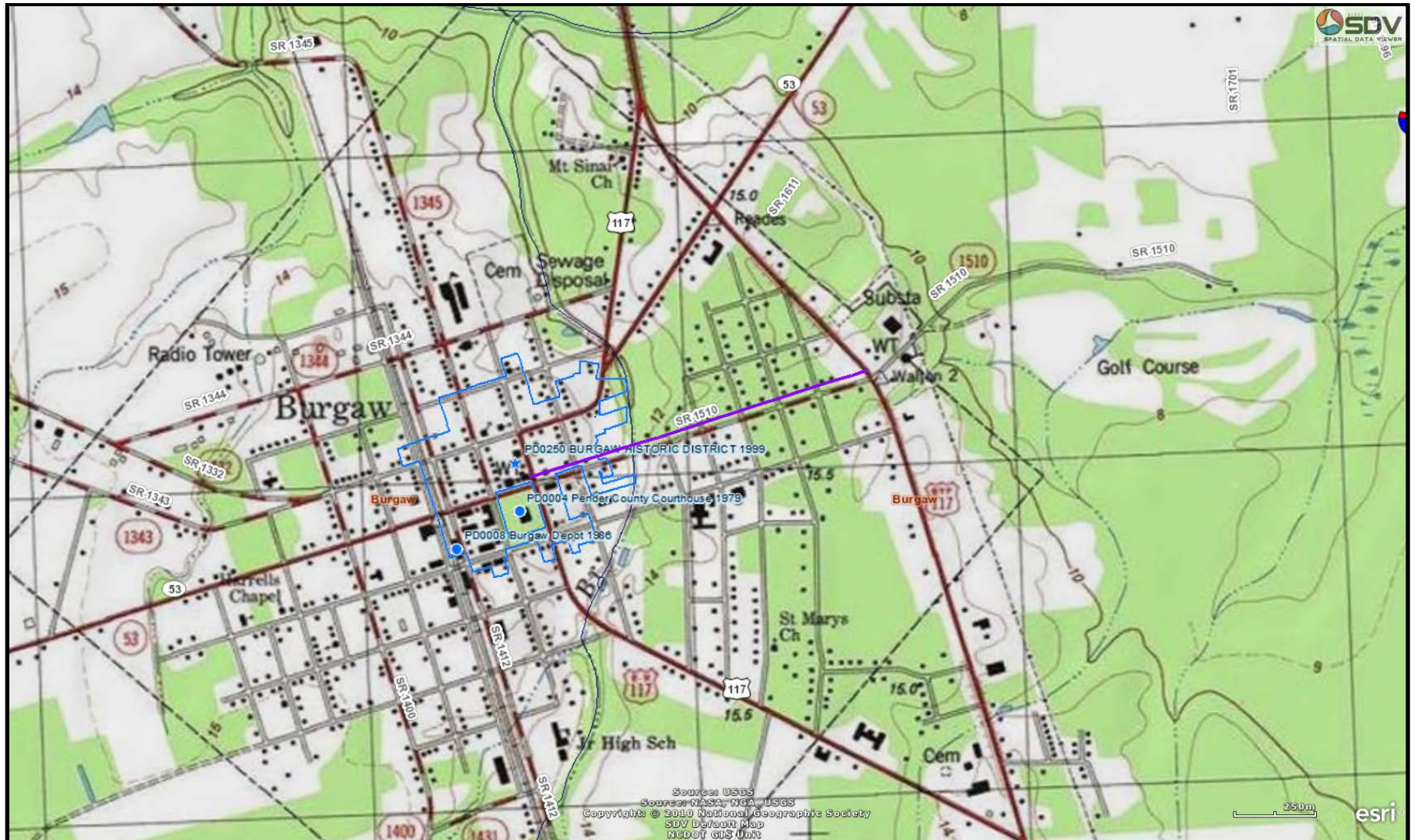
NCDOT ARCHAEOLOGIST II

September 24, 2014

Date

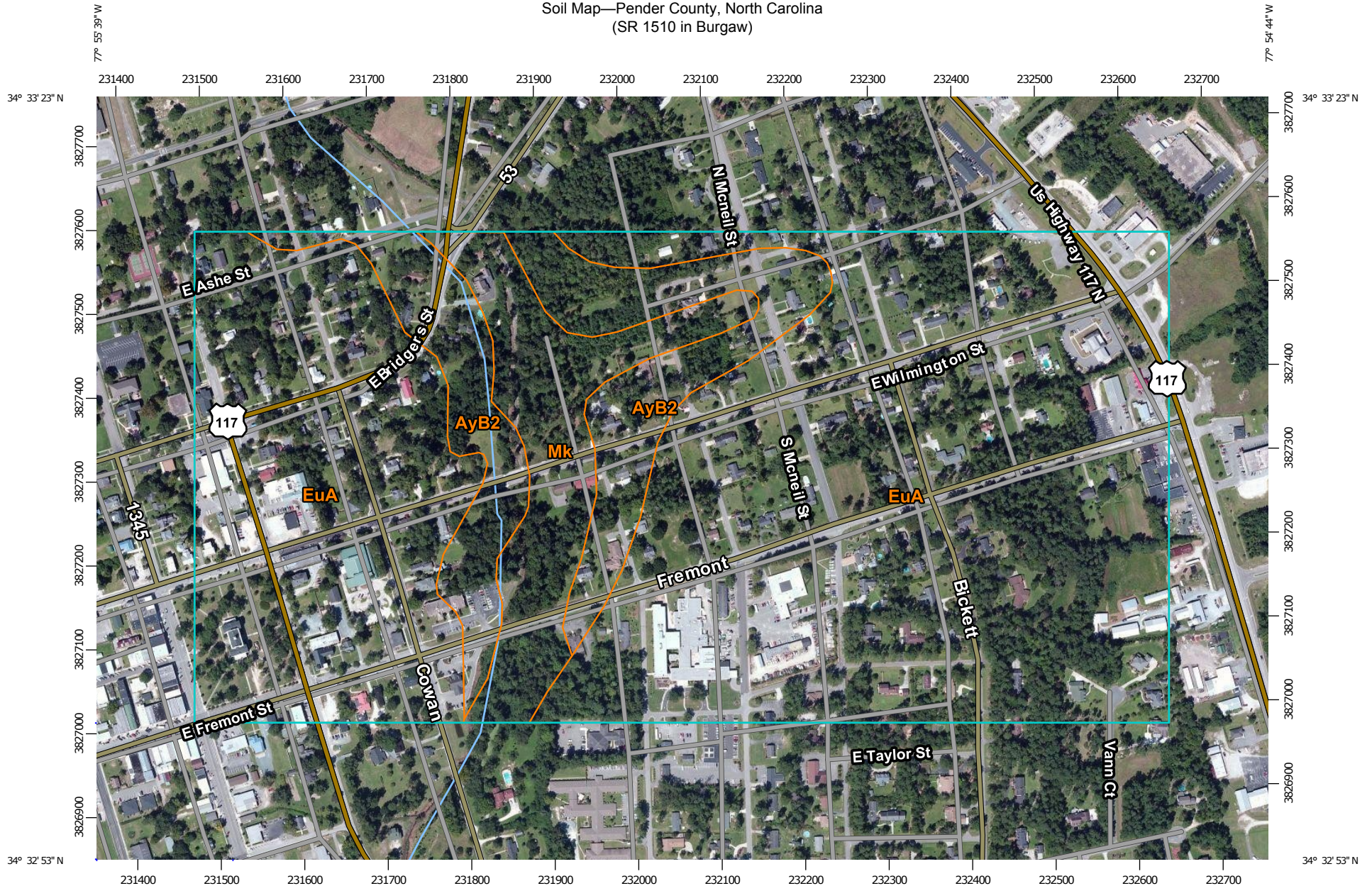


Aerial photograph of SR 1510, East Wilmington Street illustrating the location of the segment of SR 1510 under review (purple) and the boundaries of the Burgaw Historic District and Historic Pender County Courthouse (Blue).

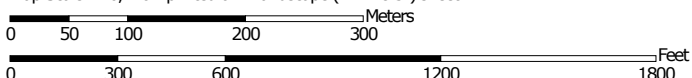


Detail of the USGS Burgaw, NC (1981) quadrangle, 7.5-minute series topographic map illustrating the location of the segment of SR 1510 under review (purple) and the boundaries of the Burgaw Historic District and Historic Pender County Courthouse (Blue).

Soil Map—Pender County, North Carolina
(SR 1510 in Burgaw)



Map Scale: 1:6,420 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84





MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pender County, North Carolina
Survey Area Data: Version 14, Dec 21, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 7, 2010—Apr 3, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Pender County, North Carolina (NC141)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AyB2	Aycock loam, 3 to 6 percent slopes, eroded	23.5	13.9%
EuA	Exum-Urban land complex, 0 to 2 percent slopes	130.6	77.1%
Mk	Muckalee loam, frequently flooded	15.3	9.0%
Totals for Area of Interest		169.4	100.0%

14-08-0012



HISTORIC ARCHITECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No:		County:	Pender
WBS No.:	3CR.PE	Document Type:	MCC
Fed. Aid No:		Funding:	<input checked="" type="checkbox"/> State <input type="checkbox"/> Federal
Federal Permit(s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Permit Type(s):	
<u>Project Description:</u>			
<p>This project is on SR 1510 (East Wilmington St.) in Burgaw, NC. It starts from US 117 to NC 53 and the total project length is 0.67 miles. The project proposes to resurface the existing pavement by milling out existing and then filling with 1.5 inches of S 9.5 B asphalt. The width to be resurfaced is 44 feet (two travel lanes and parking on both sides). No widening is proposed. The limits of this project extend into the Burgaw Historic District (PD0250) and end just before the Pender County Courthouse (PD0004). No vegetation removal is planned. The existing right of way will not change.</p>			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered to meet Criteria Consideration G within the project's area of potential effects.
- There are no properties within the project's area of potential effects.
- There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register.
- There are no historic properties present or affected by this project. (Attach any notes or documents as needed.)

Date of field visit:

Description of review activities, results, and conclusions:

Review of HPO quad maps, HPOweb GIS mapping, historic designations roster, and indexes was conducted on 8/25/14. Based on this review, there are no SL, LL or SS properties within the Area of Potential Effects (APE), however there is one NR (National Register) property, the Burgaw Historic District (PD0250) within the APE. The Burgaw Historic District reflects an intact railroad boom town, which sprang up in the last quarter of the 19th century and grew throughout the first half of the 20th century. It contains a large number of residential buildings with a small pocket of commercial and civic structures, as well as a handful of churches. It's individually National Register-Listed brick 1934 Georgian Revival courthouse is one of the highlights of the district and is also the ending point on Wilmington street for this project's activities. Another highlight and perhaps one of the town's most

Historic Architecture and Landscapes NO HISTORIC PROPERTIES PRESENT OR AFFECTED form for Minor Transportation Projects as Qualified in the 2007 Programmatic Agreement.

important buildings historically is the ca. 1850 Burgaw Depot. Not only did it serve to help establish the town of Burgaw with the development of the area as a truck farming region and the expansion of the railroad for industrial and passenger use, but it is one of only a few pre-Civil War railroads extant in North Carolina. Domestic architecture within the historic district takes the form of modest Queen Anne residences, bungalows, Colonial Revivals, and the odd period cottage or two.

A detailed view of the project area allowed for a “survey” of sorts via Google Street View imagery. The architectural historian reviewed every portion of the street to be paved via Google Street View in lieu of a field survey. Within the historic district, the properties that fall into the APE are primarily early twentieth-century residences as well as the Pender County Courthouse. A couple of commercial buildings fall into the APE but the majority are residential in function. The project will not remove any vegetation nor will it pose any impacts to sidewalks or other street features in the historic district. Curb and gutters are concrete and will be replaced with concrete. All work will remain within the existing right-of-way. Thus, considering all these factors, NCDOT Historic Architecture makes a finding of “No Historic Properties Present/Affected” for this project.

SUPPORT DOCUMENTATION

Map(s) Previous Survey Info. Photos Correspondence Design Plans

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes – **NO HISTORIC PROPERTIES PRESENT OR AFFECTED**



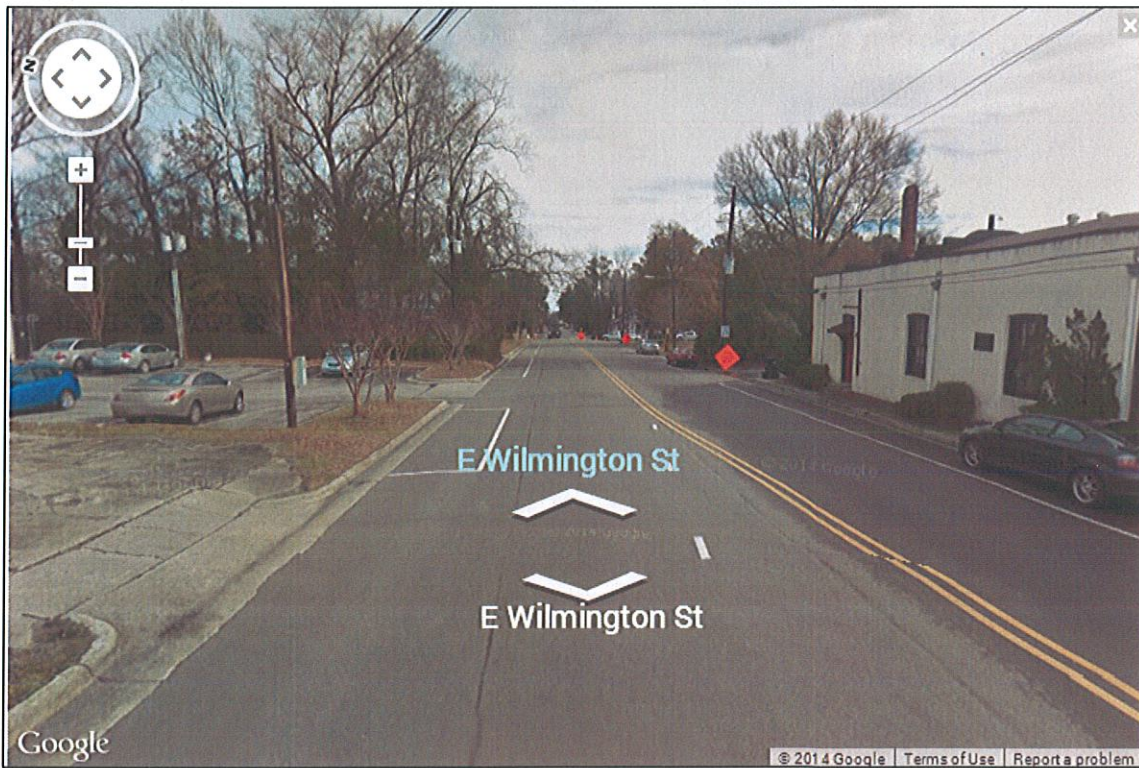
NCDOT Architectural Historian

9/8/14

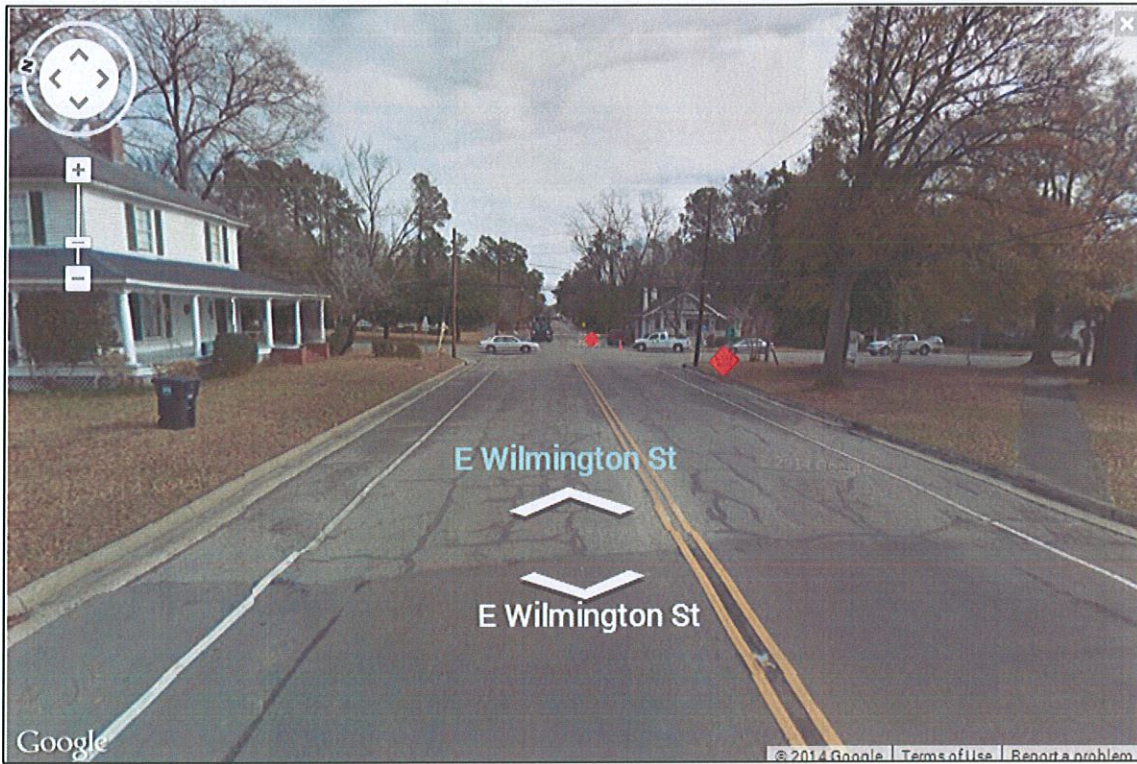
Date



Wilmington Street, Burgaw Historic District, Pender County, Image via Google Street View

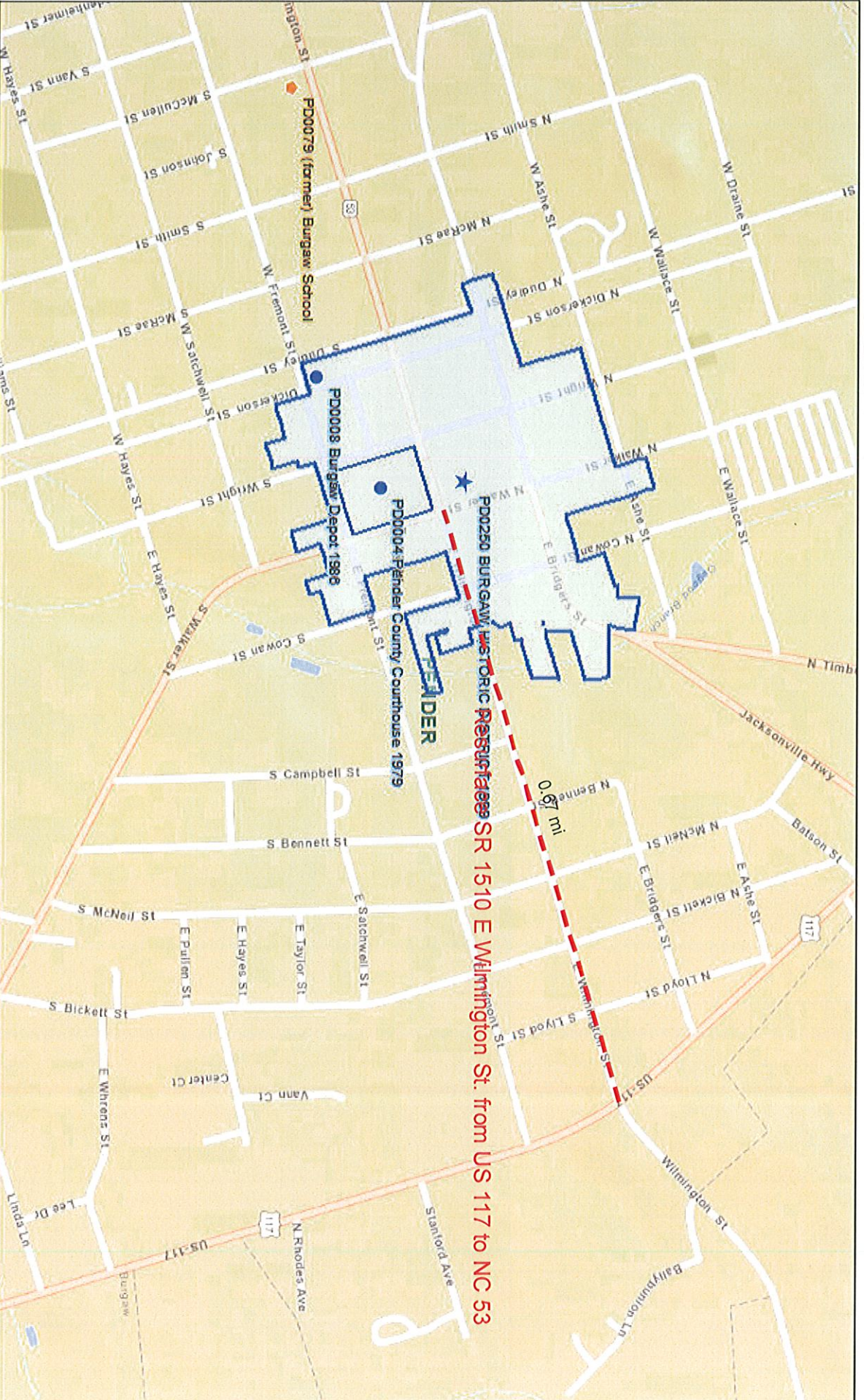


Wilmington Street, Burgaw Historic District, Pender County, Image via Google Street View



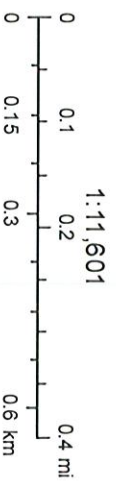
Wilmington Street, Burgaw Historic District, Pender County, Image via Google Street View

Pender County - Burgaw - Resurface SR 1510 from US 117 to NC 53



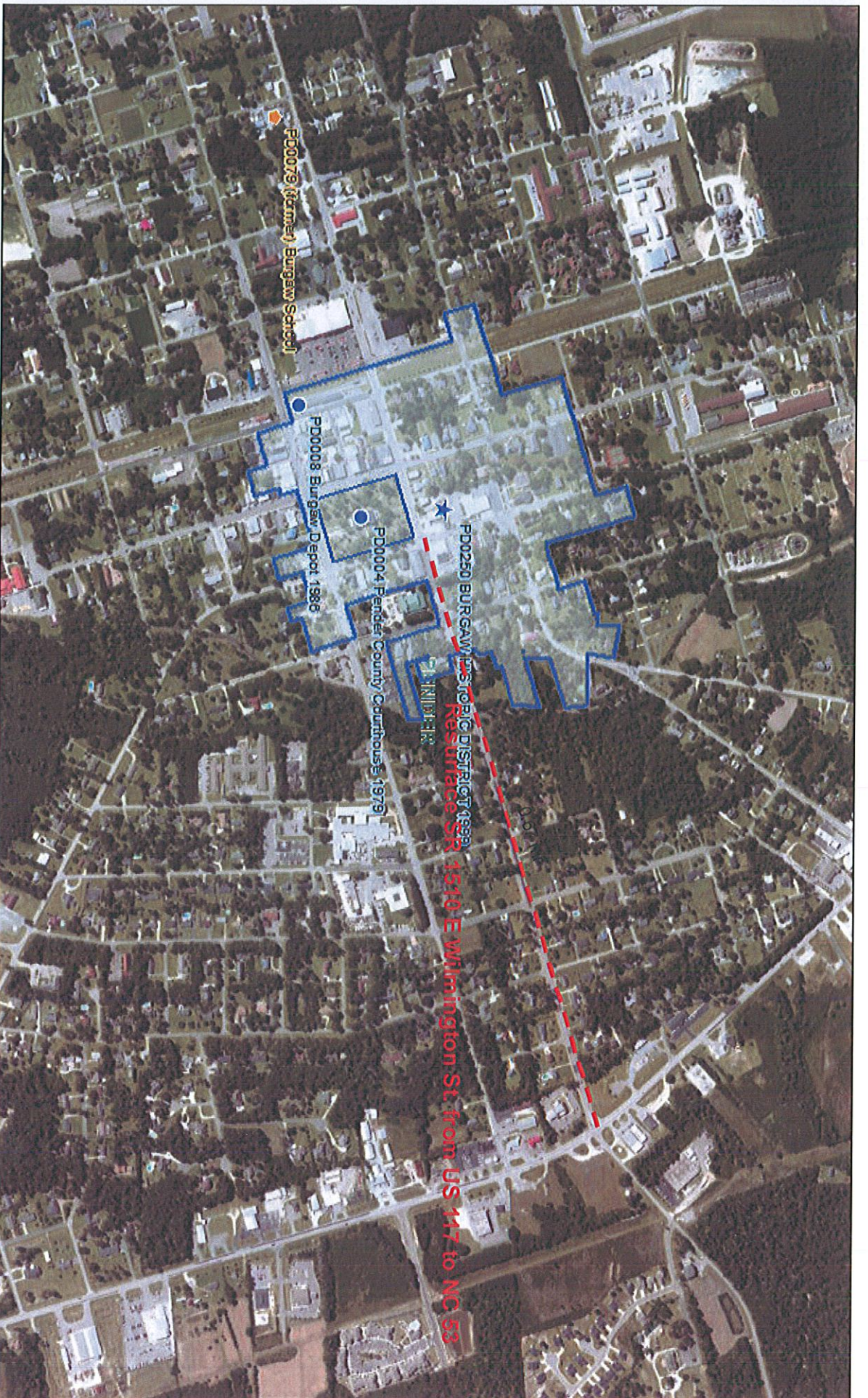
August 20, 2014

- NR Individual Listing
- ★ NRHD Center Point
- NR Listing, Gone



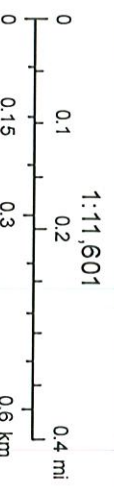
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand).

Pender County - Burgaw - Resurface SR 1510 from US 117 to NC 53



August 20, 2014

- NR Individual Listing
- ★ NRHD Center Point
- NR Listing, Gone



Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomatics, Aerogrid, IGN, IGP,