

# FEASIBILITY STUDY

## FS-0204F

IMPROVEMENTS TO NC 125  
FROM SR 1600 (AURELIAN SPRINGS ROAD) TO SR 1686 (SMITH CHURCH ROAD)

HALIFAX COUNTY, NORTH CAROLINA

NCDOT DIVISION 4



A handwritten signature in black ink, reading "Derrick W. Lewis", written over a horizontal line.

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7/16/10  
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A handwritten signature in blue ink, reading "Meredith H. Van Duyn", written over a horizontal line.

MEREDITH H. VAN DUYN, P.E.  
PROJECT ENGINEER, KIMLEY-HORN AND ASSOCIATES, INC.

7/15/10  
DATE

A handwritten signature in blue ink, reading "M. S. West", written over a horizontal line.

MATTHEW S. WEST, P.E., AVS  
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

7/16/10  
DATE



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## I. General Description

This feasibility study describes the proposed improvements to NC 125 in Halifax County. The project extends from SR 1600 (Aurelian Springs Road) to SR 1686 (Smith Church Road), a distance of 3.3 miles, and is shown in Figure 1 (Vicinity Map) and Figure 2 (Project Location Map). The typical section proposed for this project is a 23-foot median-divided, four-lane roadway with 12-foot travel lanes and curb and gutter.

The purpose of this study is to describe the proposed project, including estimated cost, and to identify potential problems that may require consideration in the planning and design phases. As the initial step in the planning and design process for this project, this report is not the product of exhaustive environmental or design investigations.

## II. Background and Need for the Project

The purpose of this project is to encourage economic development and reduce traffic congestion by providing a roadway corridor with increased capacity and improved geometry to serve the commercial sites in the project study area. This project is listed as FS-0204F in the North Carolina Department of Transportation (NCDOT) *2009-2015 State Transportation Improvement Program (STIP)*. It is Priority #11 on the Peanut Belt Rural Planning Organization's Priority List of Current STIP Projects.

NC 125 is designated as a minor arterial in the North Carolina Statewide Functional Classification System (NCDOT, June 2007). It is currently a two-lane shoulder section with varying pavement widths. It is predominantly bordered by farmland, residential, and commercial parcels. NC 125 is not designated as a Strategic Highway Corridor.

There are currently two other STIP projects near the location of FS-0204E. STIP Project R-3822 proposes to construct a two-lane facility parallel to I-95 from the I-95 / NC 125 interchange to just south of US 158, beginning at NC 125 within the project corridor. Section A of R-3822 begins south of the proposed bridge at Chockoyotte Creek to NC 125, and Section B extends from the proposed bridge at Chockoyotte Creek with approaches on the new service road to I-95. Right of way acquisition and construction for Section A are unfunded. Right of way acquisition for Section B is scheduled to begin in Fiscal Year (FY) 2010, with construction beginning in FY 2011. STIP Project R-2581 proposes to widen US 158/NC 903 to multi-lanes from SR 1405 (Roanoke Chapel Road) east of Littleton to I-95 in Roanoke Rapids. STIP Project R-2581 is unfunded.

## III. Traffic and Safety

There are four signalized intersections within the proposed project limits, located at the intersections of NC 125 and Three Bridges Road, I-95 Northbound Ramps, I-95 Southbound Ramps, and Carolina Crossroads Parkway. The estimated 2008 Average Daily Traffic (ADT) along the corridor ranges from



## FEASIBILITY STUDY – NC 125

3,600 vehicles per day (vpd) near the NC 125 / Smith Church Road area to 9,200 vpd near the interchange of NC 125 and I-95. For the design year (2035) ADT, the traffic volume along NC 125 is estimated to range between 6,700 to 29,000 vpd. Truck traffic (TTSTs) is estimated to be approximately one to six percent of the daily traffic.

Capacity analyses were performed for the intersections in the study area on NC 125. Mainline and intersection analyses were completed using the 2008 Existing and 2035 Design Year traffic projections provided by the NCDOT Transportation Planning Branch to determine existing and projected intersection and Y-line operations on this corridor. The forecast for this project is shown in Figures 3-1 through 3-6.

Analyses were performed for the following scenarios: 2008 Existing traffic conditions with two-lane section, 2008 Existing traffic conditions with proposed multi-lane section including recommended improvements, 2035 Design Year conditions with a two-lane section, and 2035 Design Year conditions with the proposed multi-lane section including recommended improvements. A total of nine (9) key intersections located along NC 125 were evaluated for proposed improvements. The study intersections are listed below, and these roadways are shown in Figure 2.

- NC 125 at SR 1686 (Smith Church Road)
- NC 125 at SR 1745 (Old Farm Road)
- NC 125 at SR 1683 (American Legion Road)
- NC 125 at Sheraton Drive/Highway Patrol Drive
- NC 125 at SR 1627 (Three Bridges Road)
- NC 125 at Interstate 95 Southbound Ramps
- NC 125 at Interstate 95 Northbound Ramps
- NC 125 at SR 1692 (Carolina Crossroads Parkway)
- NC 125 at SR 1600 (Aurelian Springs Road)

Level-of-service (LOS) is a measure used to describe operational conditions on a roadway segment, ramp junction, or at an intersection. The grades for LOS range from A through F and are based on average vehicle delay with respect to intersections, or vehicular density with respect to roadway segments. LOS D is the typical target threshold for urban settings during the peak hours of operation. LOS E and F represent near failing and failing conditions respectively, and may occur frequently in urban conditions during peak hours. LOS values are most important at signalized intersections, since adjustments to timing and lane geometry have the potential to alleviate problems and distribute delay more evenly over all approaches. Poor LOS values at unsignalized intersections that do not warrant a signal may be more difficult to improve. The AM peak hour typically falls between 7:00 AM and 9:00 AM, and the PM peak hour typically falls between 4:00 PM and 6:00 PM. An analysis of both the AM and PM periods was performed to capture the expected worst case condition.

### *Highway Segment Level-of-Service Analysis*

Highway Capacity Software© (HCS2000) was used to compute level-of-service (LOS) and other performance measures for the roadway segments along the study corridor. Mainline volumes along





NC 125 ranged from 3,600 to 9,600 vpd in 2008. It is estimated that volumes for 2035 will range from 6,700 to 29,000 vpd. Under the existing geometry and with No Build conditions, the mainline is projected to operate at LOS E in 2008 and LOS F in 2035 at respective volume-to-capacity (V/C) ratios 0.34 and 1.01 during the peak period. With the proposed four-lane, median-divided section in place, both directions of the mainline are expected to operate at LOS A during the peak period in 2008. In 2035 the northbound direction is expected to operate at LOS C, and the southbound direction at LOS B in the peak period. Table 1 outlines the mainline analysis results. Existing lane geometry, recommended geometry, and traffic control conditions are shown for the study intersections in Figures 4-1 through 4-3.

Table 1 Mainline Level-of-Service Summary NC 125		
Condition	No Build 2-lane section	Build 4-lane section
	LOS	LOS
Existing (2008) Traffic	E	Northbound - A Southbound - A
Design Year (2035) Traffic	F	Northbound - C Southbound - B

### ***Peak Hour Intersection Level-of-Service Analysis***

Intersection analyses were performed in Synchro<sup>®</sup> (Version 7-Build 761) to determine LOS and delay for each study intersection under Existing and Design Year scenarios. The general assumptions included a coordinated network with optimized signal timing applied to existing signal phasing for Base Year 2008. Table 2 details the results of the intersection analyses.

Synchro<sup>®</sup> queue analysis was used to evaluate the average and 95<sup>th</sup> percentile queue lengths at the study intersections. In addition, the data was transferred to SimTraffic<sup>®</sup> to create a representative simulation of traffic conditions. The simulation helped to identify areas where queuing, congestion, and speed reductions would present potential problems at the network level, as opposed to intersection performance alone, including the appropriateness of recommended storage lengths. Turn bay length recommendations were developed based on a comparison of the queue lengths reported in Synchro and SimTraffic.<sup>1</sup>

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<sup>1</sup> 95<sup>th</sup> percentile queue length (average queue length experienced with 95<sup>th</sup> percentile traffic arriving) was used to determine storage lengths. When 95<sup>th</sup> percentile traffic volumes at an intersection exceed capacity, the queue shown will rarely be exceeded and is acceptable for the design of storage bays (*Synchro 7 User Guide*, 2006).



<b>Table 2</b> <b>Intersection Level-of-Service Summary</b> <b>NC 125</b>				
Condition	No-Build - LOS (Delay in seconds)		Build with Recommendations – LOS (Delay in seconds)	
	AM Peak-Hr	PM Peak-Hr	AM Peak-Hr	PM Peak-Hr
<b>NC 125 &amp; SR 1686 (Smith Church Road) – Unsignalized (WB Approach)</b>				
Existing (2008) Traffic	B (12.1)	B (11.4)	B (12.1)	B (11.4)
Design Year (2035) Traffic	C (18.5)	C (16.7)	C (18.5)	C (16.7)
<b>NC 125 &amp; SR 1745 (Old Farm Road) - Unsignalized (EB Approach)</b>				
Existing (2008) Traffic	B (13.3)	B (12.5)	B (11.7)	B (11.6)
Design Year (2035) Traffic	F (136.3)	F (59.4)	E (39.5)	E (42.6)
<b>NC 125 &amp; SR 1683 - (American Legion Road)</b>				
Existing (2008) Traffic	EB - C (24.2)	EB - C (22.2)	B (16.8)	B (14.7)
Design Year (2035) Traffic	EB - F (Undef.)	EB - F (Undef.)	B (19.7)	B (18.3)
<b>NC 125 &amp; Sheraton Drive/Highway Patrol Drive – Unsignalized</b>				
Existing (2008) Traffic	EB - B (13.3) WB - B (12.9)	EB - B (13.1) WB - B (13.3)	EB - B (10.5) WB - A (9.7)	EB - A (10.0) WB - A (9.8)
Design Year (2035) Traffic	EB - F (603.7) WB - F (660.4)	EB - F (Undef.) WB - F (943.5)	EB - B (10.6) WB - A (9.9)	EB - B (10.7) WB - B (10.4)
<b>NC 125 &amp; SR 1627 (Three Bridges Road) - Signalized</b>				
Existing (2008) Traffic	A (7.7)	B (10.3)	EB - B (10.6)	EB - B (10.6)
Design Year (2035) Traffic	F (111.4)	F (103.4)	D (40.3)	D (41.3)
<b>NC 125 &amp; Interstate 95 Southbound Ramps – Signalized</b>				
Existing (2008) Traffic	A (4.0)	A (3.8)	C (21.9)	C (23.4)
Design Year (2035) Traffic	C (33.1)	D (47.6)	B (19.8)	C (21.8)
<b>NC 125 &amp; Interstate 95 Northbound Ramps – Signalized</b>				
Existing (2008) Traffic	A (9.2)	B (10.9)	B (11.5)	B (12.7)
Design Year (2035) Traffic	D (46.3)	E (71.4)	B (11.0)	B (10.5)
<b>NC 125 &amp; Carolina Crossroads Parkway Signalized</b>				
Existing (2008) Traffic	A (7.2)	A (7.6)	B (12.9)	B (12.3)
Design Year (2035) Traffic	C (27.0)	C (30.9)	C (20.4)	C (21.8)



<b>Table 2</b> <b>Intersection Level-of-Service Summary (cont.)</b> <b>NC 125</b>				
<b>Condition</b>	<b>No-Build - LOS (Delay in seconds)</b>		<b>Build with Recommendations – LOS (Delay in seconds)</b>	
	<b>AM Peak-Hr</b>	<b>PM Peak-Hr</b>	<b>AM Peak-Hr</b>	<b>PM Peak-Hr</b>
<b>NC 125 &amp; SR 1600 (Aurelian Springs Road)</b>				
Existing (2008) Traffic	EB - B (14.6) WB - B (11.8)	EB - C (15.1) WB - B (11.7)	B (18.6)	C (20.3)
Design Year (2035) Traffic	EB - F (Undef.) WB - F (657.2)	EB - F (Undef.) WB - F (553.5)	C (30.1)	D (38.6)

### *Crash Data*

There are several criteria by which the relative safety of a roadway intersection is measured. These criteria are based on vehicle crash statistics for the facility. Crash rates at intersections are calculated in terms of crashes per 100 million vehicles entering (100MVE). Included in the study area are intersections of NC 125 at Smith Church Road, Grapevine Road, American Legion Road, Sheraton Drive, SR 1627, I-95 Southbound Ramps, I-95 Northbound Ramps, Wallace Fork Road, Carolina Crossroads Parkway, Reagan Drive, Westside Drive, Eastside Drive, and Aurelian Springs Road. A review of the three-year crash data from August 2005 through July 2008 reveals a total of 38 crashes at these 13 intersections. As shown in Table 3, 22 crashes resulted in injuries and 16 crashes resulted in property damage only. The most dangerous intersection in the study area is located at NC 125 and American Legion Road. It has the highest number of crashes, highest crash rate, and highest severity index of the intersections within the study area. It was also the site of the single crash involving a fatality. The intersection of NC 125 at Aurelian Springs Road is also dangerous; although its severity index is not uncommonly high, it has the second-highest number of crashes and the second-highest crash rate in the study area. According to Table 4, half of the 38 crashes at study area intersections were rear-end crashes. The next-highest types were left turn (nine crashes) and angle (six crashes). The remaining four crashes were categorized as Single Vehicle, Pedestrian, Head-On, and Other.



<b>Table 3</b> <b>NC 125 Intersections: Crash Summary</b> <b>August 2005-July 2008</b>								
Roadway Segment	Total Crashes	Crash Rate*	Crash Occurrences					Severity Index**
			Fatal	A	B	C	PDO	
Smith Church Road	0	0.00	0	0	0	0	0	0.00
Grapevine Road	1	8.45	0	0	0	1	0	8.40
American Legion Road	12	103.29	1	1	1	5	4	17.33
Sheraton Drive	0	0.00	0	0	0	0	0	--
SR 1627	5	43.04	0	0	1	1	3	3.96
I-95 SB Ramps	6	11.85	0	0	0	2	4	3.47
I-95 NB Ramps	3	5.92	0	0	0	1	2	3.47
Wallace Fork Road	0	0.00	0	0	0	0	0	--
Carolina Crossroads Parkway	1	9.81	0	0	0	1	0	8.40
Reagan Drive	2	25.00	0	0	0	2	0	8.40
Westside Drive	0	0.00	0	0	0	0	0	--
Eastside Drive	0	0.00	0	0	0	0	0	--
Aurelian Springs Road	8	91.24	0	0	1	4	3	5.63
Totals	38	17.97	1	1	3	17	16	8.88

\*Rate = Crashes per 100 Million Vehicles Entering

\*\*Severity Index =  $(76.8*(F+A) + 8.4*(B+C)+PDO)/TOTAL\ CRASHES$

**Table 4****NC 125 Intersections: Crash Frequency by Type***August 2005-July 2008*

Roadway Segment	Crash Type						
	Single Vehicle	Pedestrian	Angle	Left Turn	Head On	Rear End	Other
Smith Church Road	0	0	0	0	0	0	0
Grapevine Road	0	0	0	0	0	0	1
American Legion Road	1	1	0	3	0	7	0
Sheraton Drive	0	0	0	0	0	0	0
SR 1627	0	0	0	1	0	4	0
I-95 SB Ramps	0	0	0	3	0	3	0
I-95 NB Ramps	0	0	1	0	1	1	0
Wallace Fork Road	0	0	0	0	0	0	0
Carolina Crossroads Parkway	0	0	0	0	0	1	0
Reagan Drive	0	0	0	0	0	2	0
Westside Drive	0	0	0	0	0	0	0
Eastside Drive	0	0	0	0	0	0	0
Aurelian Springs Road	0	0	5	2	0	1	0
Totals	1	1	6	9	1	19	1



## IV. Description of the Widening Alternative

NCDOT proposes to widen NC 125 to a four-lane, median-divided roadway with curb and gutter. The proposed typical section and widening are shown on Figure 5 (Sheets 1-3). With this proposed widening, it is possible that there will be one residence and two businesses relocated due to this project. The total cost of this project, including right of way, utility relocation, and construction, is estimated to be \$39,000,000.

Right of Way	\$13,300,000
Utility Relocation	\$ 600,000
<u>Construction</u>	<u>\$25,100,000</u>
<b>TOTAL</b>	<b>\$39,000,000</b>

## V. Community Issues

A detailed community impact investigation was not conducted for this feasibility study. The following sections describe the community issues in the study area, and community features are shown on Figure 2 (Project Location Map).

### *Community Facilities*

#### *Public Health and Safety*

The Mayor Drewery N. Beale Fire Station is located on NC 125 just north of the intersection of NC 125 and Old Farm Road. The Roanoke Valley Rescue Squad is located on the northwest corner of the intersection of American Legion Road and NC 125. The Highway Patrol Station for Troop C, District VIII (Halifax and Northampton Counties) and the DMV/Driver's License office is located at 26 Three Bridges Road. The Halifax Regional Medical Center is located a quarter-mile away from the project corridor at 250 Smith Church Road. Several medical offices are located on NC 125 near Smith Church Road.

#### *Churches and Cemeteries*

Good News Baptist Church is located at the intersection of Old Farm Road and NC 125. Crestview Memorial Cemetery is located on the southwestern side of the intersection of NC 125 and Smith Church Road.

#### *Schools, Parks, and Recreation Areas*

Halifax Academy, a private school serving grades Pre-Kindergarten through 12, is located at 1400 Three Bridges Road (approximately a mile and a half from NC 125 and outside of the map limits of Figure 2). There are no parks located along the project corridor.



The new Carolina Crossroads Development near the interchange of NC 125 and I-95 includes an anchor 1,500-seat theater, an outdoor concert venue, a 147-room Hilton Garden Inn, and an 89-site RV campground. Other parcels within the site are available for additional development.

### *Social and Economic Data*

Executive Order 12898 requires that federal agencies identify and address disproportionately high and adverse effects of federally funded projects on minority and low-income populations. Census data (2000) at the block level for Halifax County was downloaded from the United States Census Bureau to obtain information on population characteristics in the study area. Minority population characteristics are included in Figure 6. Minorities (any race other than “white”) in block groups closest to the study area account for sixty-six percent (66%) of the population, with higher concentrations adjacent to Smith Church Road and in areas along NC 125 southeast of I-95. Hispanic population characteristics are included in Figure 7. Within the study area, one percent (1%) of the population is classified as Hispanic (any race), with slightly higher concentrations (2% - 3%) between Three Bridges Road and American Legion Road, southeast of I-95, and adjacent to Smith Church Road. Figure 8 includes information on the percent of households earning \$25,000 or less in income each year. Within the study area, approximately twenty-eight percent (28%) of the population earns less than \$25,000 per year.

### *Historic Properties*

As part of the environmental screening process, the North Carolina State Historic Preservation Office (SHPO) was contacted to determine if any historic resources on the National Register of Historic Places or state lists exists within the proposed project corridor. Two historic resources occur within the project corridor. These include the T.J. Cheek House, located southeast of the intersection with Smith Creek Road and NC 125 and the Garner Farm (listed on the National Register), located northwest of the NC 125 and I-95 interchange. Based on information from state archaeologist, Susan Myers, no potential for archaeological resources occur within the project corridor (Direct communication with Susan Myers, and SHPO database review, 09/30/08).

## **VI. Natural Environment Issues**

The following is a preliminary review of the environmental issues that may have a potential impact to the project. The information obtained for the environmental screening is readily available from agency databases. No survey work other than a field investigation on August 14, 2008 was conducted for this study. The purpose of the environmental screening is to identify potential environmental issues early in the planning process. Natural resources are shown in Figure 9.

### *Streams and Water Quality*

The project corridor is located within the Roanoke River Basin in the U.S. Geological Survey [USGS] Hydrologic Unit 03010106. Streams within the project corridor are a part of the Chockoyotte Creek watershed. Chockoyotte Creek is classified as a Class C water. Class C waters are protected for uses





such as secondary recreation, fishing, wildlife, fish consumption, aquatic life including propagation, survival and maintenance of biological integrity, and agriculture. Secondary recreation includes wading, boating, and other use involving human body contact with water where such activities take place in an infrequent, unorganized, or incidental manner (NCDWQ, 2007). Sources of water pollution that preclude any of these uses on either a short-term or long-term basis shall be considered to be violating water quality standards. There are four potential stream crossings within the project corridor based on field inspections and NCDWQ database review.

### ***Wetlands***

Two potential wetland crossings (shown in Figure 9) were identified near unnamed tributaries from Chockoyotte Creek from the field inspections and the National Wetland Inventory (NWI) mapping database review. Based on preliminary database reviews, these systems are believed to be characterized as palustrine, seasonally flooded systems that are likely man-made.

### ***Floodplains***

A review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Panel No. 3720399700J and 3720399600J for Halifax County, North Carolina (map effective date 07/03/2007) showed that the proposed project corridor is located in the Floodway areas of Zone AE. Zone AE is the flood insurance rate zone that corresponds to the 1% annual chance floodplains (100-year floodplain) that are determined in the Flood Insurance Study by detailed methods of analysis.

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. As stated in 44 CFR Part 60.3 D, encroachments including fill, new construction, substantial improvements, and other development within the adopted regulatory floodway is prohibited unless it has been demonstrated, through hydrologic and hydraulic analyses performed in accordance with standard engineering practices, that the proposed encroachment would not result in any increase in flood levels within the community during the occurrence of the base flood discharge.

### ***Threatened and Endangered Species***

The U.S. Fish and Wildlife Service (USFWS) database for federally threatened and endangered species was reviewed for Halifax County, North Carolina (USFWS, most recent update 1/31/08, checked 11/11/09). The red-cockaded woodpecker (*Picoides borealis*), Dwarf wedgemussel (*Alasmodonta heterodon*), and the Tar River spiny mussel (*Elliptio steinstansana*) are listed as endangered for Halifax County, North Carolina.

The North Carolina Natural Heritage Program (NCNHP) database was reviewed (09/30/08) to determine which if any of the federally listed species for Halifax County may occur within the proposed project corridor. No occurrences of protected species or significant natural areas occur within the project corridor.



During field inspections (08/14/08) by the consultant's biologist, the project corridor was surveyed for potential habitat for the red/cockaded woodpecker, Dwarf wedgemussel, and Tar River spiny mussel. No suitable habitat was observed for any of the above listed species. However, a survey for these species should be completed during preparation of any environmental assessment, and if these species are found to be present, additional investigations should be taken.

### ***Permitting Requirements***

- Section 401 General Water Quality Certification – A Section 401 General Water Quality Certification will be required for any activity that may result in a discharge into “Waters of the United States” or for which an issuance of a federal permit is required. The issuance of a required Section 401 certification is a prerequisite to the issuance of a Section 404 permit. If project impacts exceed the Nationwide Permit (NWP) impact thresholds, an Individual Section 401 Water Quality Certification will be required.
- Section 404 (Impacts to “Waters of the United States”) – Impacts to “Waters of the United States” (including wetlands, streams, and ponds that are hydrologically connected to a navigable water) come under the jurisdiction of the U.S. Army Corps of Engineers (USACE). Discharges of dredge or fill material into jurisdictional wetlands, streams, or open waters associated with the construction of the roadway project will require a Section 404 permit from the USACE. The NWP 14 (Linear Transportation Projects) may cover the impacts to the jurisdictional streams within the project study area. Final determination of permit applicability lies with the USACE and N.C. Division of Water Quality (DWQ).

### ***Hazardous Materials***

A search of environmental database records within a 0.25 to 1.0-mile radius of the project study corridor was performed by Environmental Data Resources (EDR) and is included in the Appendix. This information was reviewed to obtain an understanding of releases of regulated substances or petroleum products that may have occurred on or near the project study corridor.

The EDR report includes a search of state and federal databases, including the National Priority List (NPL), Proposed and Delisted NPL Sites, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), No Further Remedial Action Plan (NFRAP), Resource Conservation and Recovery Act (RCRA) Treatment Storage and Disposal facility (RCRA TSD), RCRA Corrective Action List (RCRA COR), RCRA generator list (RCRA GEN), Brownfield Management System (BMS), Federal Engineering and Institutional Controls (IC/EC), Emergency Response Notification System (ERNS), Tribal Lands (DOI/BIA), State/Tribal Sites, State Spills 90, State/Tribal Solid Waste Facilities (SWF), State/Tribal Leaking Underground Storage Incident Reports (LUST), State/Tribal Registered Underground and/or Aboveground Storage Tanks (UST/AST), State/Tribal IC, State/Tribal Brownfields, Historic Landmarks, Radon, Other State facilities, and North Carolina Dry-Cleaning Solvent Cleanup Act Program (DSCA).

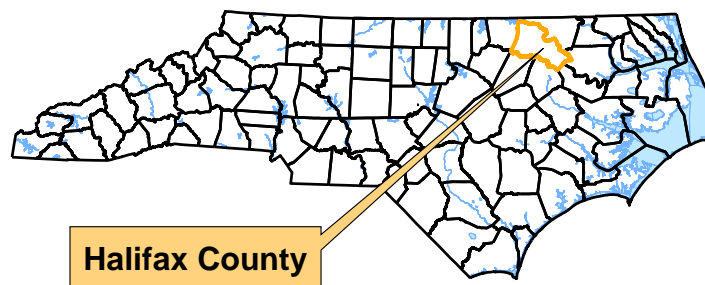
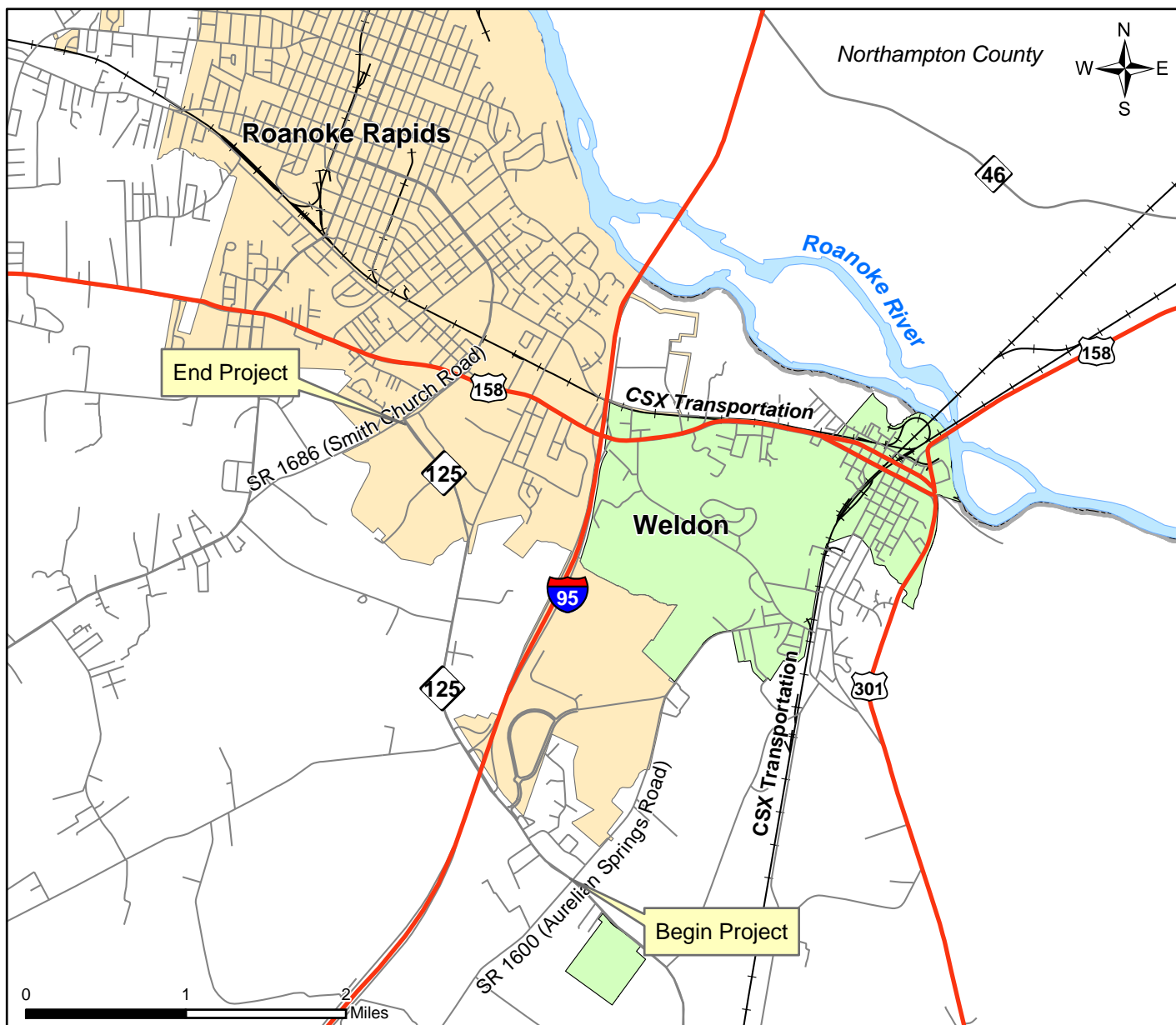


Thirty-six unmappable (“orphan”) sites were identified on the databases but were not mapped due to inadequate address information. Twenty-seven of the thirty-six sites were identified. Only one site, New Dixie Mart # 16 is located in the project corridor. The New Dixie Mart is located at 2171 NC 125. According to the EDR report, the store has registered USTs. Further investigation is recommended regarding the number and history of USTs at the New Dixie Mart prior to construction.

## **VII. Recommendations / Additional Comments**

The proposed 23-foot median-divided, four-lane roadway will accommodate the projected design year traffic volumes with an acceptable level of service and will provide a corridor to serve the adjacent commercial sites. The estimated cost for the proposed widening project is \$39,000,000.

# FIGURES



#### LEGEND

- |                |                |                |
|----------------|----------------|----------------|
| Roads          | Railroad       | Roanoke Rapids |
| Major Highways | Rivers/Streams | Weldon         |

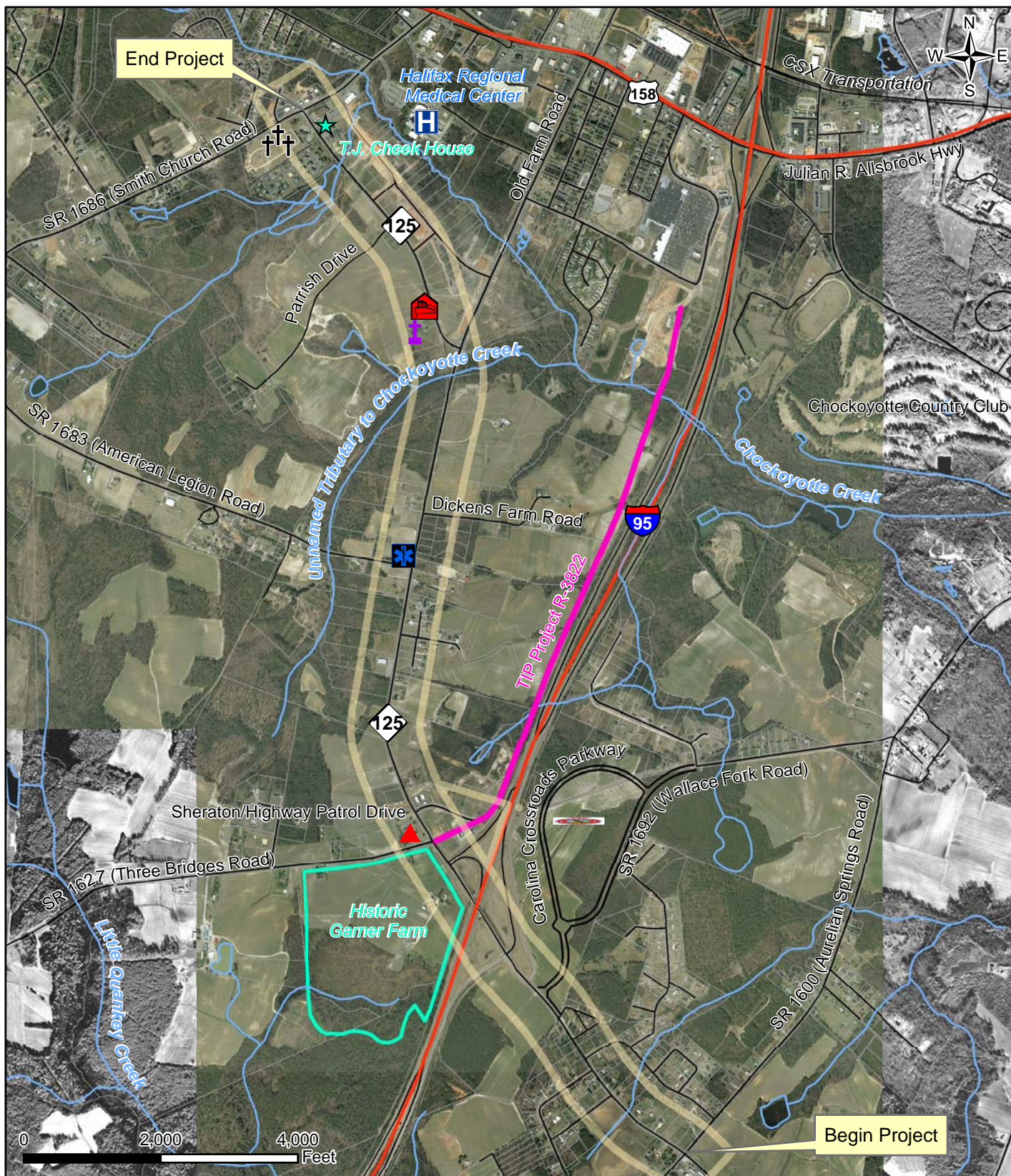


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**Figure 1**  
**Vicinity Map**

TIP Project FS-0204F  
NC 125, Halifax County





### LEGEND

- |                  |                             |                                   |                          |
|------------------|-----------------------------|-----------------------------------|--------------------------|
| — Roads          | — TIP Project R-3822        | † Good News Baptist Church        | ☼ EMS / Rescue Squad     |
| — Major Highways | — FS-0204F Project Location | ††† Crestview Memorial Cemetery   | 🚒 Fire Station           |
| — Railroad       | ★ Historic Places           | H Halifax Regional Medical Center | ▲ Highway Patrol Station |



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**Figure 2**  
**Project Location Map**  
TIP Project FS-0204F  
NC 125, Halifax County



Old Farm Rd  
SR1745

NC 125

AADT in Hundreds

77  
10  $\xleftarrow{\text{PM}}$  55  
(2,1)

11

10  
 $\xleftarrow{\text{PM}}$  55  
(2,1)

NC 125

27

9

36

25

91

59

60

10  $\xrightarrow{\text{PM}}$  60  
(2,1)

SR 1686  
Smith  
Church Rd

91

11

10  
 $\xleftarrow{\text{PM}}$  65  
(2,1)

16

27

SR 1683  
American  
Legion Rd

96

55  $\xleftarrow{\text{PM}}$  10  
(2,1)



NC 125

92

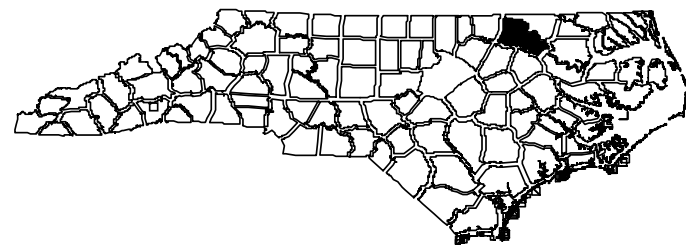
Match to Sheet B

### LEGEND

**K**  $\xrightarrow{\text{PM}}$  **D**  
(d,t)  
**K** Design Hourly Volume = K30  
**PM** PM Peak Period  
**D** Directional Split (%)  
(d,t) % Duals, % TTST  
→ Indicates direction D;  
→ reverse for AM  
▲ Break line

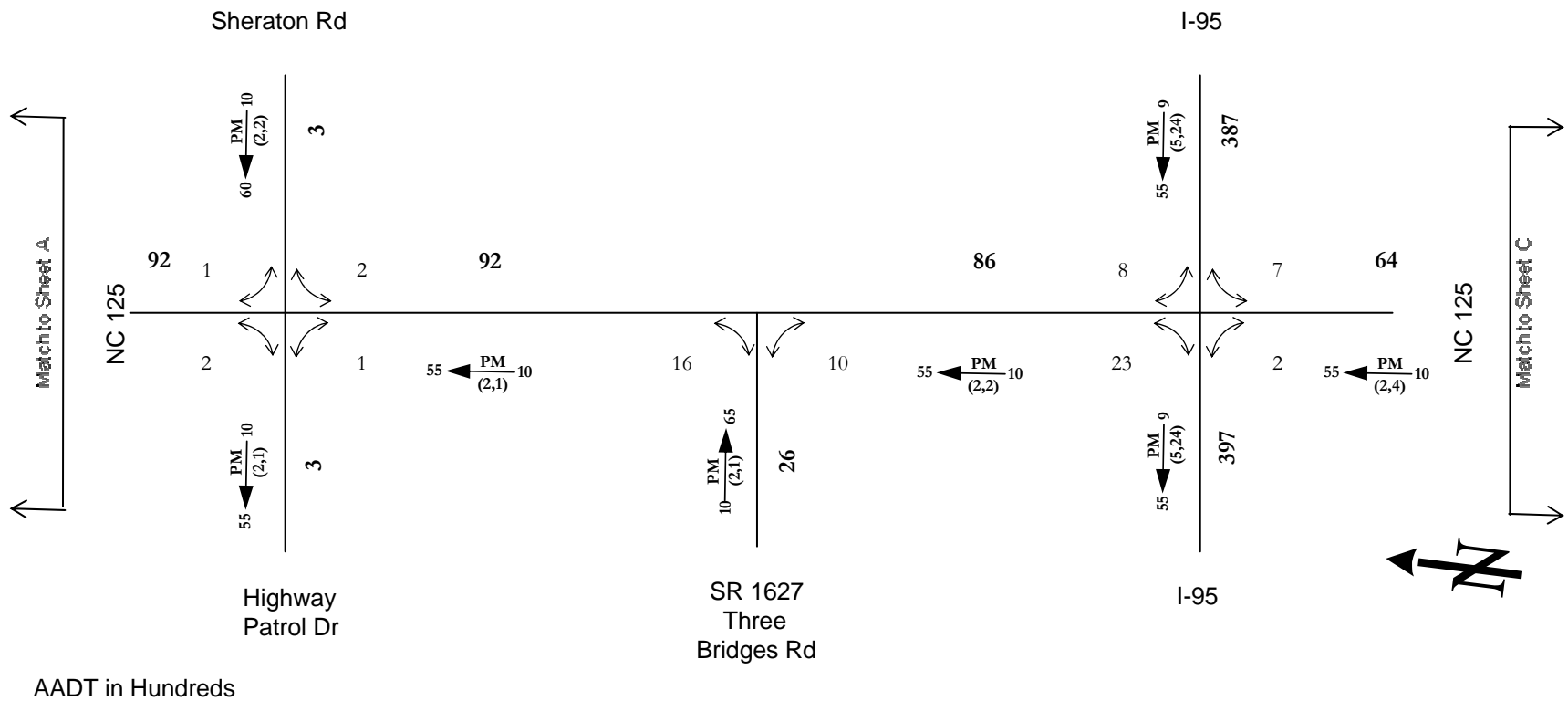
**FS-0402F NC 125 Improvements  
Base Year  
2008**

**Figure 3 - 1  
(Sheet A)**



**Not to  
Scale**





**LEGEND**

**K** Design Hourly Volume = K30

**PM** PM Peak Period

**D** Directional Split (%)

**(d,t)** % Duals, % TTST

→ Indicates direction D;

↔ reverse for AM

▲ Break line

**FS-0402F NC 125 Improvements**

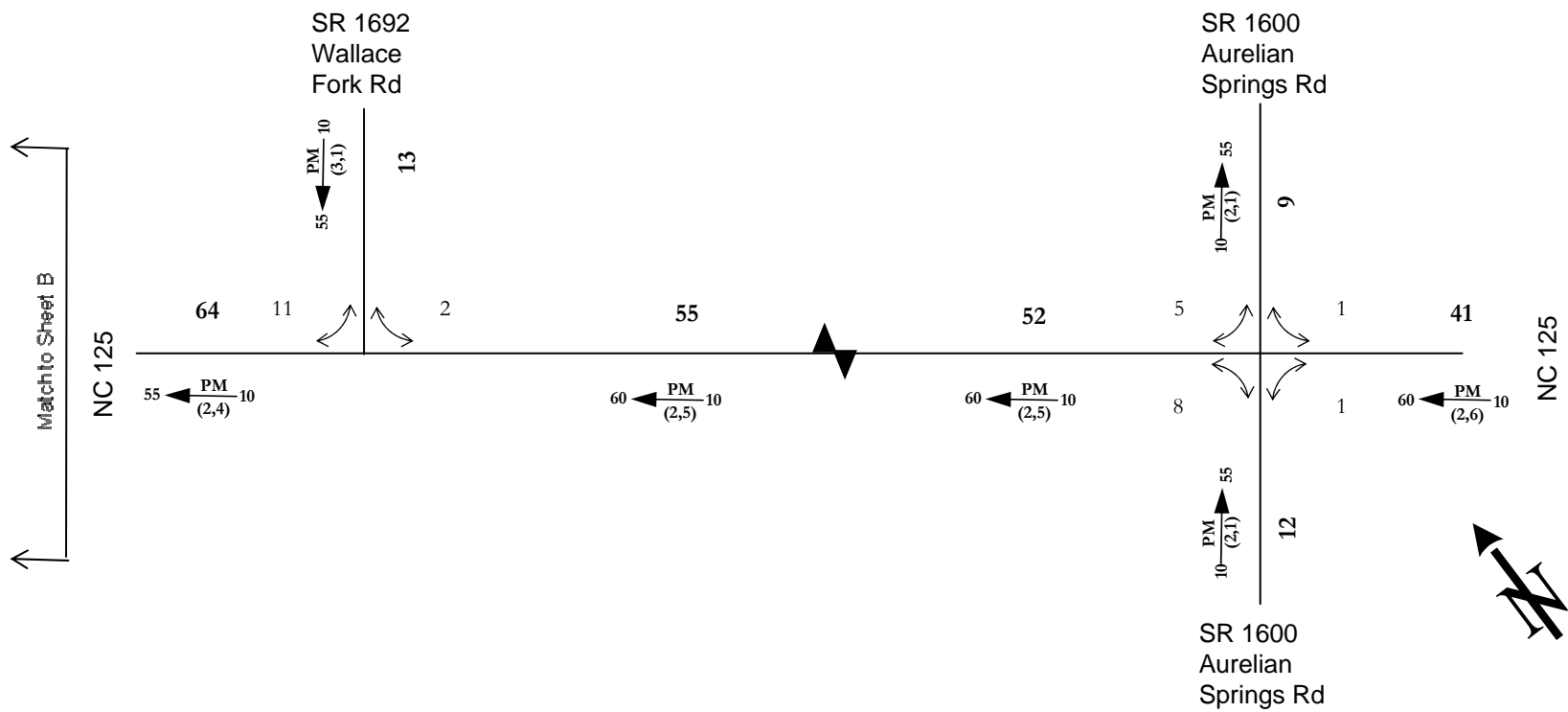
**Base Year**

**2008**

Figure 3 - 2

(Sheet B)

**Not to Scale**

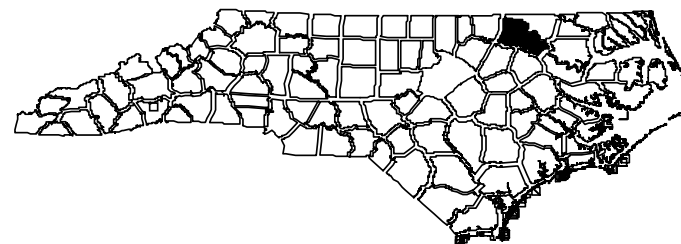


#### LEGEND

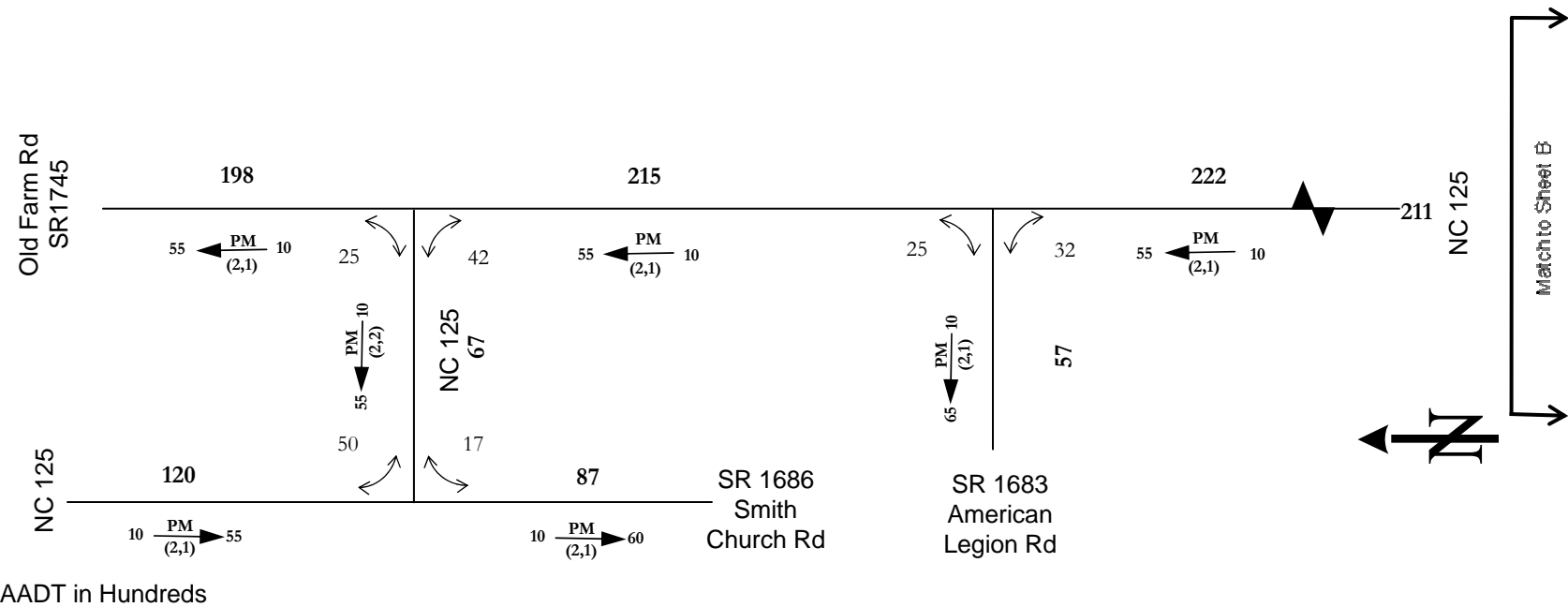
K	Design Hourly Volume = K30
PM	PM Peak Period
D	Directional Split (%)
(d,t)	% Duals, % TTST
→	Indicates direction D;
↔	reverse for AM
▲	Break line

FS-0402F NC 125 Improvements  
Base Year  
2008

Figure 3 - 3  
(Sheet C)



Not to  
Scale

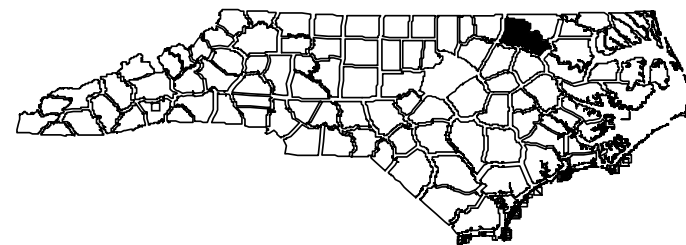


**LEGEND**

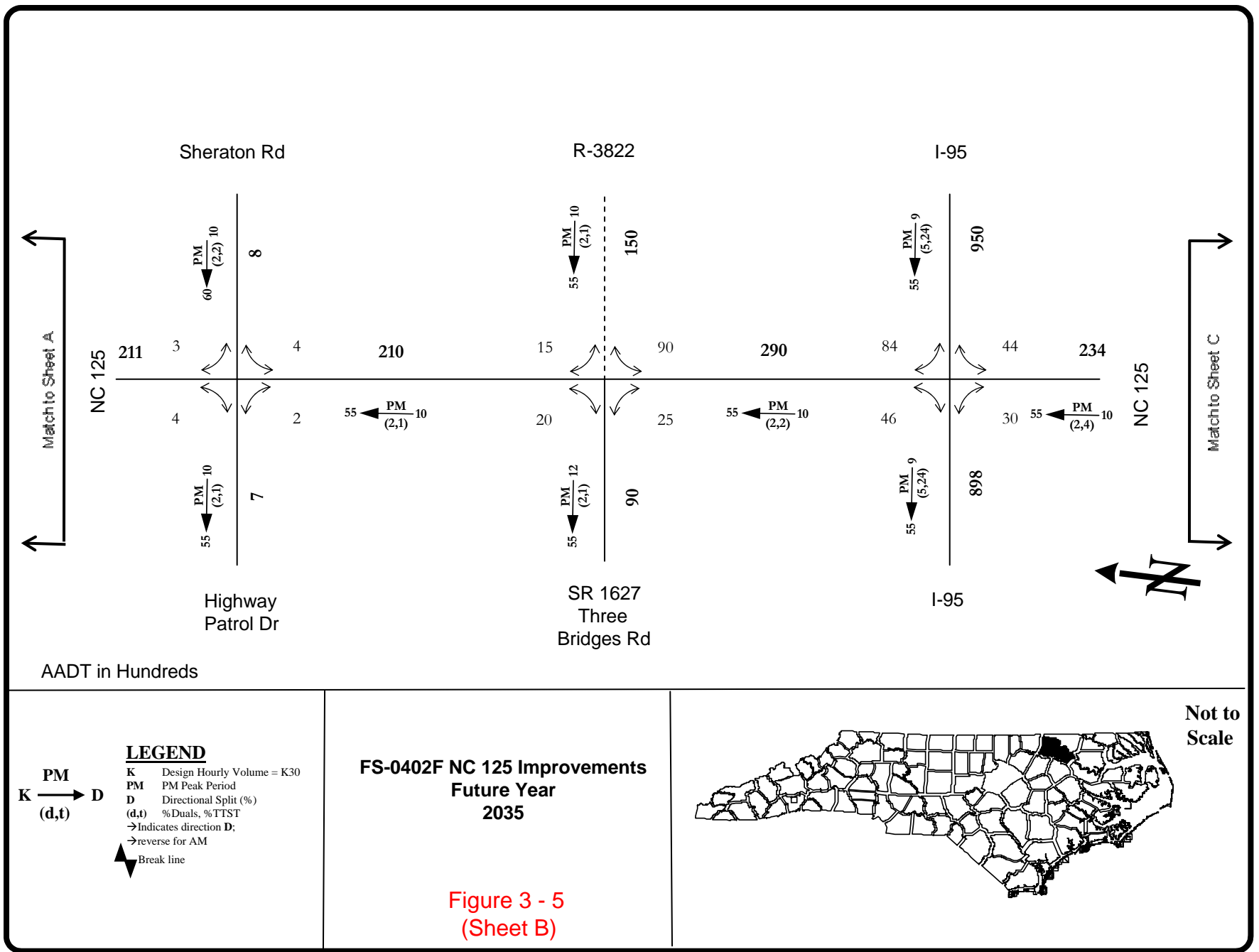
K Design Hourly Volume = K30  
 PM PM Peak Period  
 D Directional Split (%)  
 (d,t) % Duals, % TTST  
 → Indicates direction D;  
 → reverse for AM  
 ▲ Break line

**FS-0402F NC 125 Improvements  
 Future Year  
 2035**

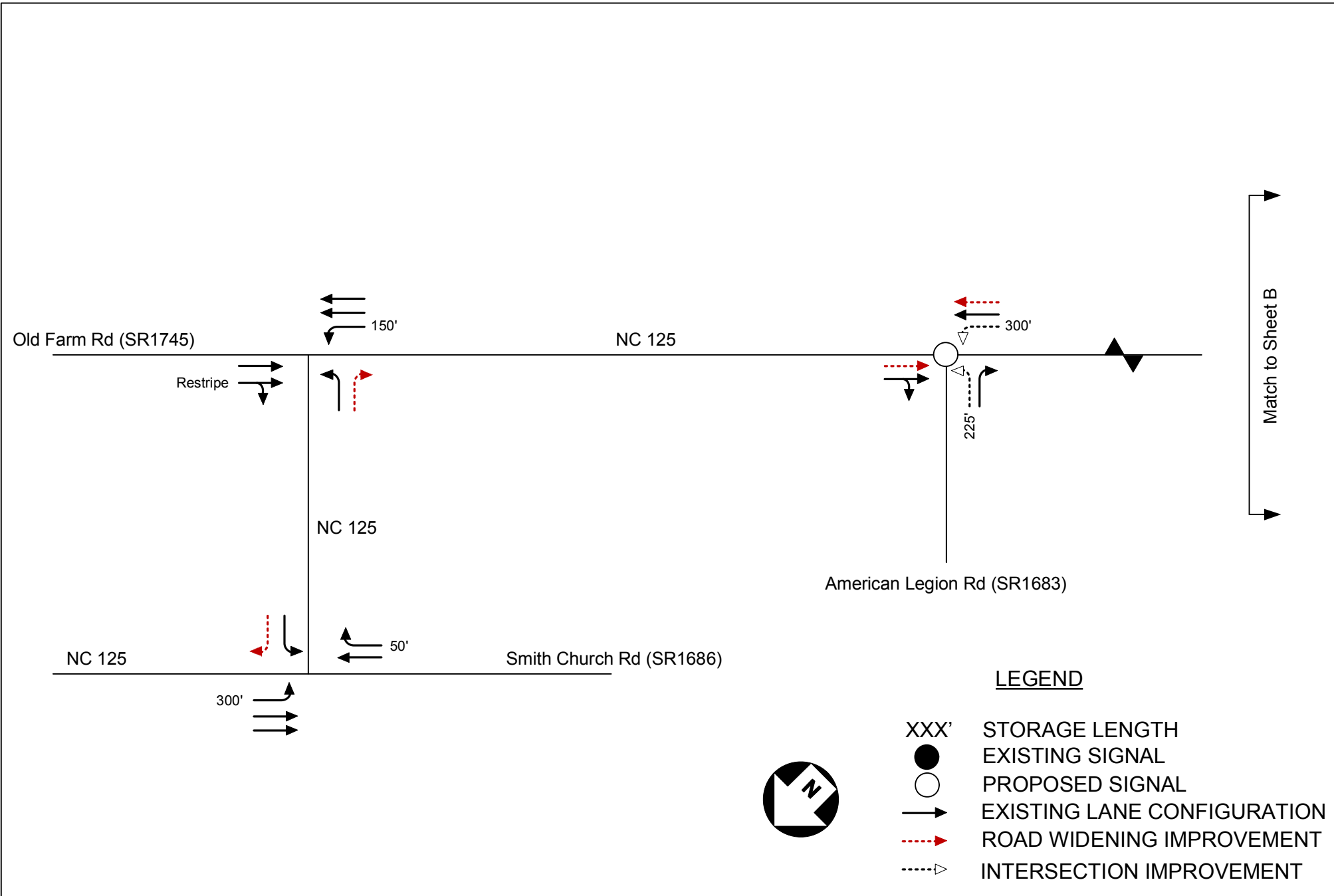
**Figure 3 - 4  
 (Sheet A)**

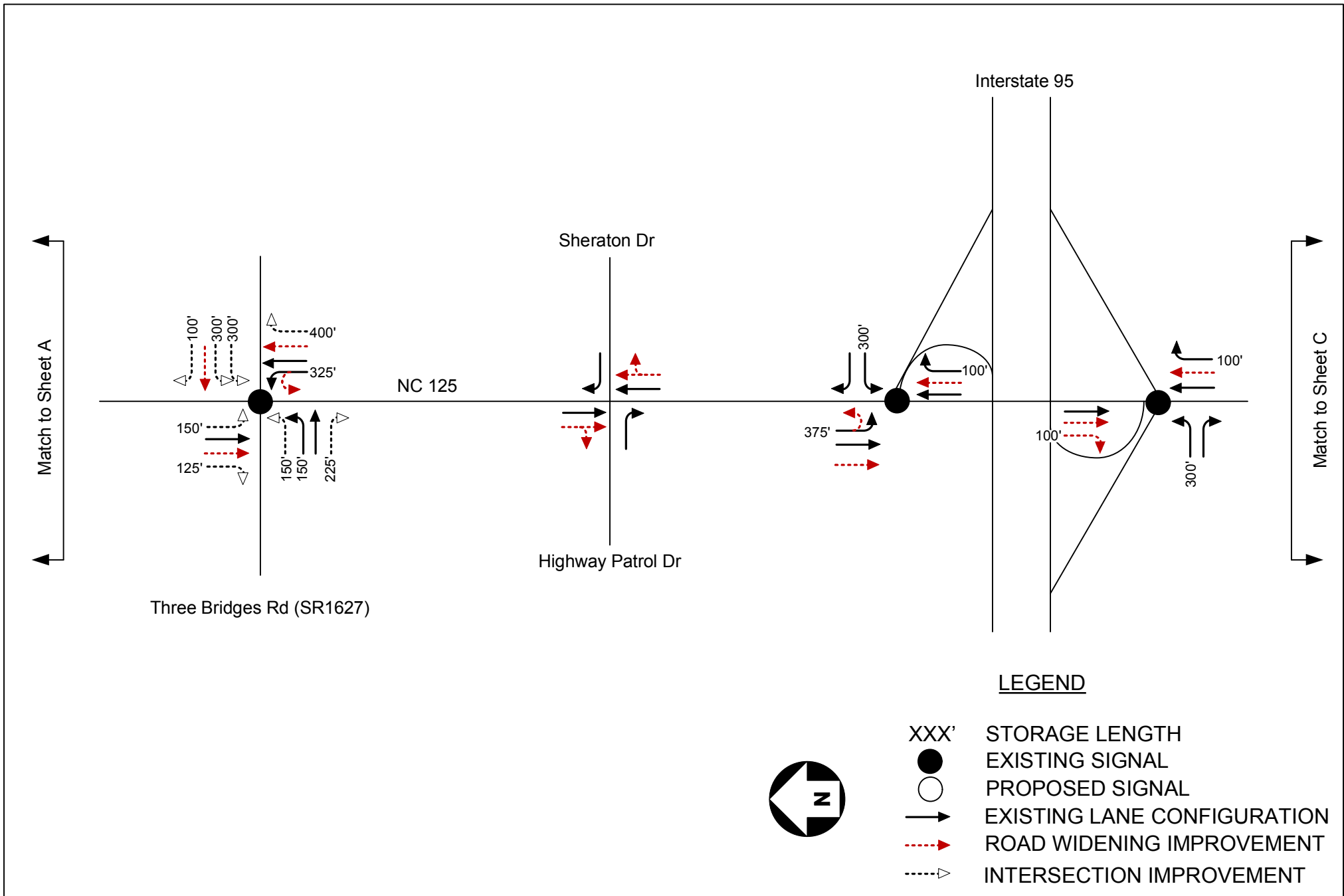


**Not to  
 Scale**

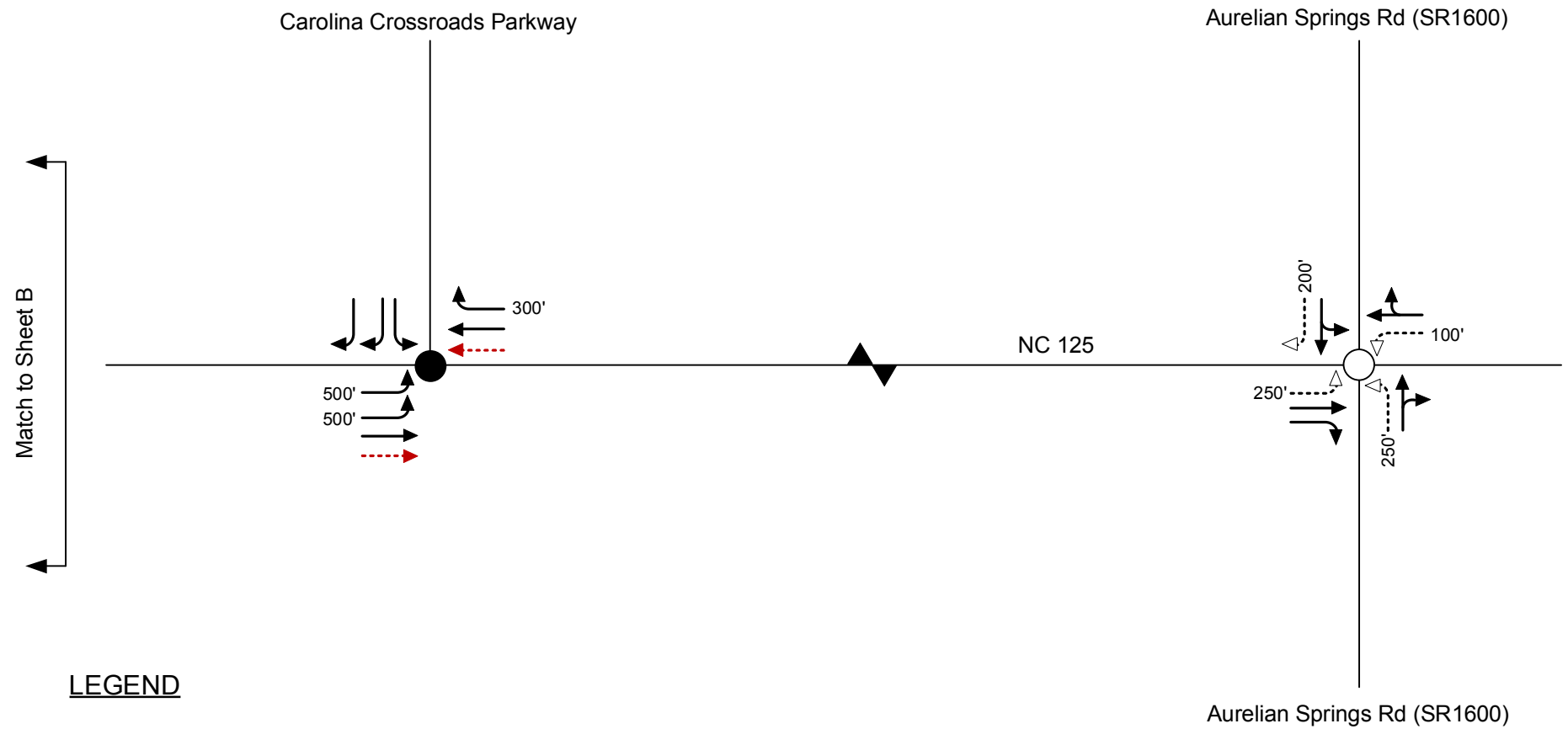








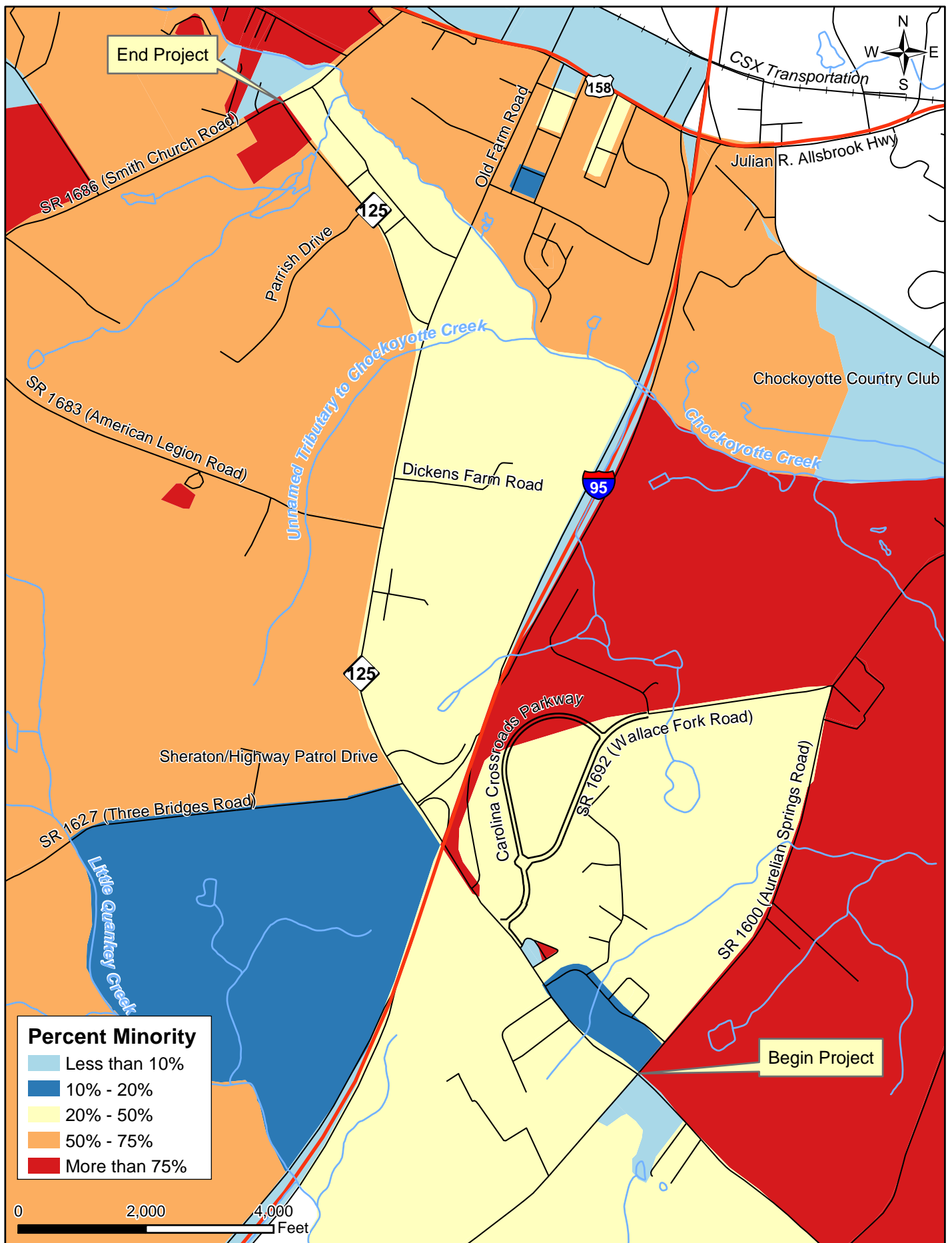


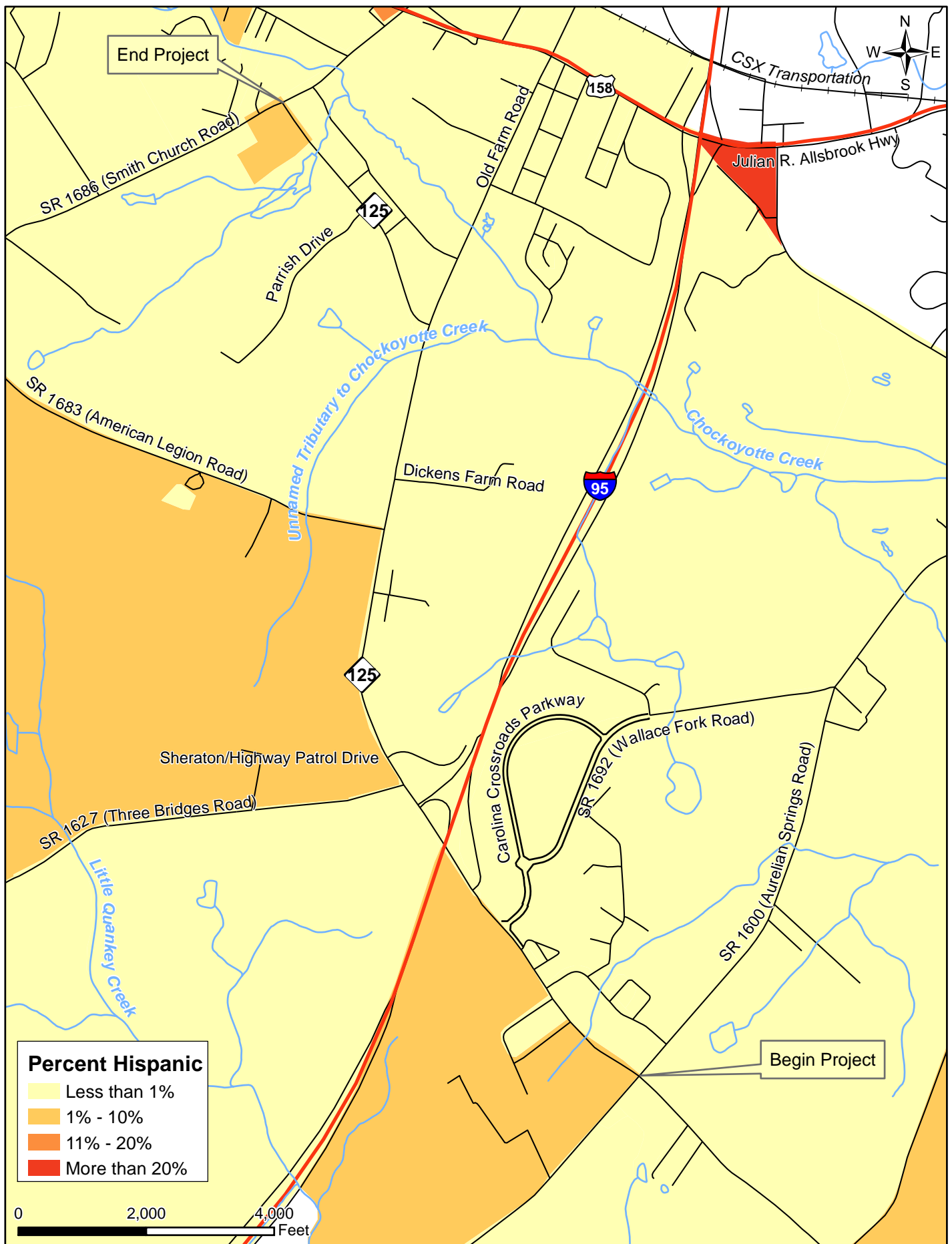


### LEGEND

- XXX' STORAGE LENGTH
- EXISTING SIGNAL
- PROPOSED SIGNAL
- EXISTING LANE CONFIGURATION
- > ROAD WIDENING IMPROVEMENT
- > INTERSECTION IMPROVEMENT



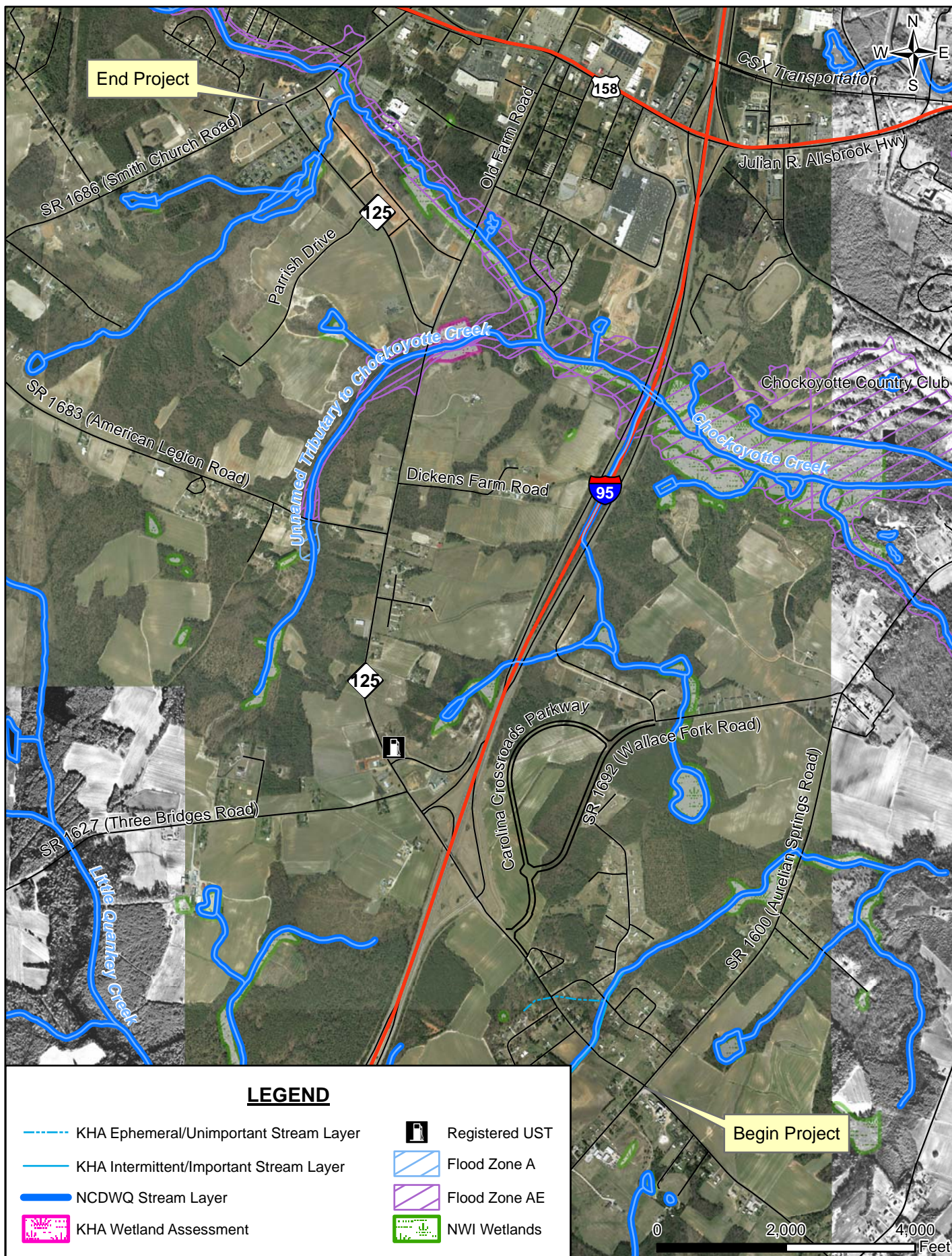






TIP Project FS-0204F  
NC 125, Halifax County





# APPENDIX



**NC 125 - Halifax County**

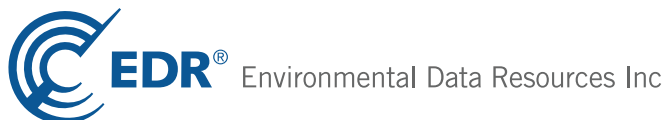
NC 125 from I-95 to Old Farm Road

Roanoke Rapids, NC 27870

Inquiry Number: 2357743.2s

November 07, 2008

## The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

NC 125 FROM I-95 TO OLD FARM ROAD  
ROANOKE RAPIDS, NC 27870

#### COORDINATES

Latitude (North):	36.409250 - 36° 24' 33.3"
Longitude (West):	77.648440 - 77° 38' 54.4"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	262510.9
UTM Y (Meters):	4032399.5
Elevation:	161 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36077-D6 ROANOKE RAPIDS, NC
Most Recent Revision:	1974

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### FEDERAL RECORDS

NPL .....	National Priority List
Proposed NPL .....	Proposed National Priority List Sites
Delisted NPL .....	National Priority List Deletions
NPL LIENS .....	Federal Superfund Liens
CERCLIS .....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP .....	CERCLIS No Further Remedial Action Planned
LIENS 2 .....	CERCLA Lien Information
CORRACTS .....	Corrective Action Report
RCRA-TSDF .....	RCRA - Transporters, Storage and Disposal
RCRA-LQG .....	RCRA - Large Quantity Generators

## EXECUTIVE SUMMARY

RCRA-SQG.....	RCRA - Small Quantity Generators
RCRA-CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen.....	RCRA - Non Generators
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

### **STATE AND LOCAL RECORDS**

SHWS.....	Inactive Hazardous Sites Inventory
NC HSDS.....	Hazardous Substance Disposal Site
IMD.....	Incident Management Database
SWF/LF.....	List of Solid Waste Facilities
OLI.....	Old Landfill Inventory
HIST LF.....	Solid Waste Facility Listing
LUST.....	Regional UST Database
LUST TRUST.....	State Trust Fund Database
UST.....	Petroleum Underground Storage Tank Database
AST.....	AST Database
INST CONTROL.....	No Further Action Sites With Land Use Restrictions Monitoring
VCP.....	Responsible Party Voluntary Action Sites
DRYCLEANERS.....	Drycleaning Sites
BROWNFIELDS.....	Brownfields Projects Inventory
NPDES.....	NPDES Facility Location Listing

### **TRIBAL RECORDS**

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands

## EXECUTIVE SUMMARY

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land  
INDIAN UST..... Underground Storage Tanks on Indian Land  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### **EDR PROPRIETARY RECORDS**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
PEARCE CONCRETE	SWF/LF
JOURNIGAN'S FOOD STORE	LUST, IMD
GASTON HYDROELECTRIC STATION	LUST, IMD
WILLIAM R. DAVIE MIDDLE SCHOOL	LUST, IMD
GREEN STORE	LUST, IMD
BLUE FLAME FUELS INC	UST
H.F. DICKENS GROCERY	UST
WILLIAM R DAVIE MIDDLE SCHOOL	UST
WILLIE LEE ADAMS	UST
NEW DIXIE MART #16	UST
TOWN & COUNTRY AMOCO FOOD MAR	UST
SAM HEUSTESS PLACE	UST
BIG DADDY'S	UST
COLLIER'S HARLEY-DAVIDSON	UST
BRANDY'S BAIT & TACKLE	UST
R.O. HARRIS SERVICE STATION	UST
RED'S TOWN & COUNTRY	UST
P&J GROCERY	UST
JACK LAMBERT LOGGING. INC.	UST
J.E. KERR TIMBER CO.	UST
PINE CONE GROCERY & GARAGE	UST
A.W. POWELL'S GARAGE	UST
DAVIE FIRE DEPARTMENT	UST
P & J GROCERY	UST
HUSAMS BEST BET	UST
G.L. THOMPSON GROCERY	UST
GREEN STORE	UST
5 POINTS FOOD MART	UST
ROANOKE CONSTRUCTION CO INC	UST
ALLEN'S SHOE SHOP (CLOSED)	UST
BROWN'S FULLSER	UST
ETHEL WILSON STORE (CLOSED)	UST
GREEN STORE	UST
WOODBUTCHERS INC	FINDS, RCRA-CESQG
HALIFAX PAPERBOARD COMPANY	IMD
STRICKLAND CIRCLE LF	OLI

# OVERVIEW MAP - 2357743.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☐ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands

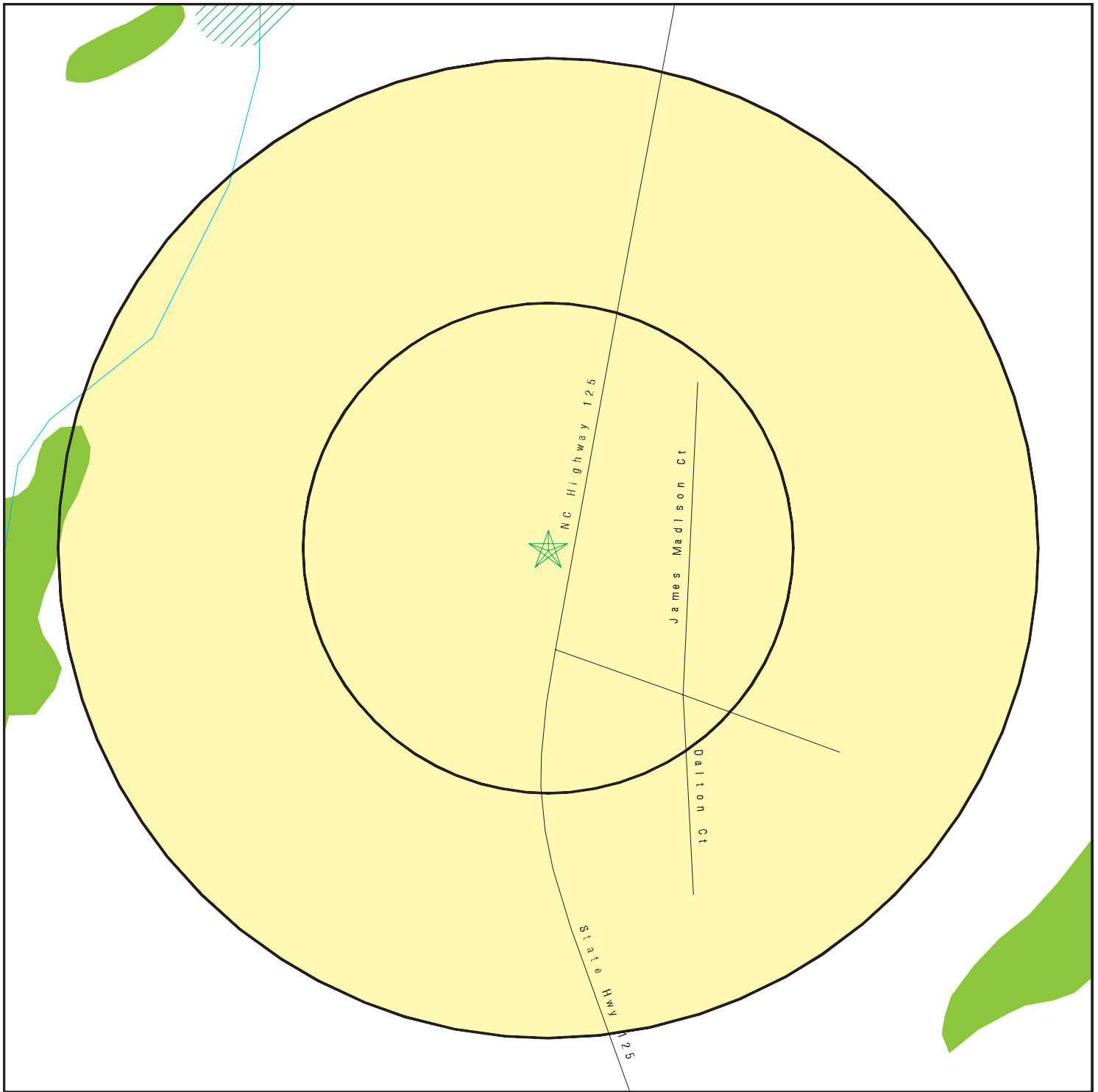
- ☐ Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: NC 125 - Halifax County  
 ADDRESS: NC 125 from I-95 to Old Farm Road  
 Roanoke Rapids NC 27870  
 LAT/LONG: 36.4093 / 77.6484

CLIENT: Kimley-Horn & Associates, Inc.  
 CONTACT: Anna Reusche  
 INQUIRY #: 2357743.2s  
 DATE: November 07, 2008 12:05 pm

# DETAIL MAP - 2357743.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☐ Indian Reservations BIA
- 🔴 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

- ☐ Hazardous Substance Disposal Sites



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: NC 125 - Halifax County  
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 Roanoke Rapids NC 27870  
 LAT/LONG: 36.4093 / 77.6484

CLIENT: Kimley-Horn & Associates, Inc.  
 CONTACT: Anna Reusche  
 INQUIRY #: 2357743.2s  
 DATE: November 07, 2008 12:05 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
SHWS		1.000	0	0	0	0	NR	0
NC HSDS		1.000	0	0	0	0	NR	0
IMD		0.500	0	0	0	NR	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
LUST TRUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GASTON	U001434344	BLUE FLAME FUELS INC	HWY 48 NORTH	27870	UST
RINGWOOD	S106896248	JOURNIGAN'S FOOD STORE	22091 NC HWY 48 / RINGWOOD R	27870	LUST, IMD
ROANOKE RAPIDS	U001437282	H.F. DICKENS GROCERY	ROUTE 1 BOX 460	27870	UST
ROANOKE RAPIDS	U001438987	WILLIAM R DAVIE MIDDLE SCHOOL	ROUTE 1 BOX 191	27870	UST
ROANOKE RAPIDS	U003143976	WILLIE LEE ADAMS	ROUTE 1, BOX 345 / THELMA ROAD	27870	UST
ROANOKE RAPIDS	U003698233	NEW DIXIE MART #16	2171 HWY 125		UST
ROANOKE RAPIDS	S106074780	GASTON HYDROELECTRIC STATION	ROUTE 1419		LUST, IMD
ROANOKE RAPIDS	U003698296	TOWN & COUNTRY AMOCO FOOD MAR	4622 HWY 150 W	27870	UST
ROANOKE RAPIDS	1004747309	WOODBUTCHERS INC	247 HWY 158	27870	FINDS, RCRA-CESQG
ROANOKE RAPIDS	U001437289	SAM HEUSTESS PLACE	HWY 158 ROUTE 1	27870	UST
ROANOKE RAPIDS	U003561942	BIG DADDY'S	HIGHWAY 158 WEST	27870	UST
ROANOKE RAPIDS	U003562025	COLLIER'S HARLEY-DAVIDSON	HIGHWAY 158	27870	UST
ROANOKE RAPIDS	U003562349	BRANDY'S BAIT & TACKLE	HWY 158 WEST	27870	UST
ROANOKE RAPIDS	U003562703	R.O. HARRIS SERVICE STATION	HWY 158	27870	UST
ROANOKE RAPIDS	U003562873	RED'S TOWN & COUNTRY	HWY 158	27870	UST
ROANOKE RAPIDS	S102554455	WILLIAM R. DAVIE MIDDLE SCHOOL	HWY 158 / DAVIE SCHOOL ROAD		LUST, IMD
ROANOKE RAPIDS	S108852152	STRICKLAND CIRCLE LF	HWY 158, NORTH HWY 48 (HAMILTO		OLI
ROANOKE RAPIDS	U001437278	P&J GROCERY	ROUTE 2 HWY 48	27870	UST
ROANOKE RAPIDS	U001435993	JACK LAMBERT LOGGING. INC.	ROUTE 2, BOX 445	27870	UST
ROANOKE RAPIDS	U001438547	J.E. KERR TIMBER CO.	ROUTE 2, BOX 422	27870	UST
ROANOKE RAPIDS	U001435992	PINE CONE GROCERY & GARAGE	ROUTE 3, BOX 779	27870	UST
ROANOKE RAPIDS	U001438550	A.W. POWELL'S GARAGE	ROUTE 3, BOX 173	27870	UST
ROANOKE RAPIDS	U001438553	DAVIE FIRE DEPARTMENT	ROUTE 4, BOX 454	27870	UST
ROANOKE RAPIDS	S104914039	HALIFAX PAPERBOARD COMPANY	HWY 48 / ROANOKE RIVER		IMD
ROANOKE RAPIDS	U001434255	P & J GROCERY	HIGHWAY 48 SOUTH	27870	UST
ROANOKE RAPIDS	U001437226	HUSAMS BEST BET	2360 HWY 48 SOUTH	27870	UST
ROANOKE RAPIDS	U001438555	G.L. THOMPSON GROCERY	HIGHWAY 48	27870	UST
ROANOKE RAPIDS	U003563437	GREEN STORE	4170 HWY 48	27870	UST
ROANOKE RAPIDS	S109164005	PEARCE CONCRETE	5795 HWY 903	27870	SWF/LF
ROANOKE RAPIDS	U003987750	5 POINTS FOOD MART	5501 HWY 903	27870	UST
ROANOKE RAPIDS	U001435864	ROANOKE CONSTRUCTION CO INC	BOX 820 HWY 158 W	27870	UST
ROANOKE RAPIDS	U001435987	ALLEN'S SHOE SHOP (CLOSED)	U.S. HIGHWAY 158	27870	UST
ROANOKE RAPIDS	U001435988	BROWN'S FULLSER	N.C. HIGHWAY 48 - 4 MILES SOUT	27870	UST
ROANOKE RAPIDS	U001436002	ETHEL WILSON STORE (CLOSED)	U.S. HIGHWAY 158	27870	UST
ROANOKE RAPIDS	U003562385	GREEN STORE	N.C. HIGHWAY 48 / P.O. BOX 117	27870	UST
ROANOKE RAPIDS	S105895884	GREEN STORE	NC HWY 48 / NCSR 1494		LUST, IMD

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 08/13/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

#### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/14/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: No Update Planned

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/09/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 34

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 10/16/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Quarterly

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007  
Date Data Arrived at EDR: 12/06/2007  
Date Made Active in Reports: 02/20/2008  
Number of Days to Update: 76

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Quarterly

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008  
Date Data Arrived at EDR: 08/29/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 11

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/02/2008  
Next Scheduled EDR Contact: 12/01/2008  
Data Release Frequency: Quarterly

### RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

### RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 10/21/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Annually

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/30/2008	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/15/2008	Telephone: 202-366-4555
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 08/29/2008
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: Varies

### CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 10/31/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Quarterly

### US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 08/25/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 10/16/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Semi-Annually

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 09/05/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 09/09/2008  
Next Scheduled EDR Contact: 12/08/2008  
Data Release Frequency: Varies

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2008  
Date Data Arrived at EDR: 06/12/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Varies

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/18/2008  
Date Data Arrived at EDR: 07/11/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 45

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/29/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Annually

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Varies

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008  
Date Data Arrived at EDR: 04/17/2008  
Date Made Active in Reports: 05/15/2008  
Number of Days to Update: 28

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 09/22/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Varies

### MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Semi-Annually

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/19/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Annually

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/12/2008  
Date Data Arrived at EDR: 07/18/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 38

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 07/12/2008  
Date Data Arrived at EDR: 07/18/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 38

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008  
Date Data Arrived at EDR: 08/13/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 09/18/2008  
Next Scheduled EDR Contact: 11/03/2008  
Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/08/2008  
Date Data Arrived at EDR: 08/05/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 20

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 09/29/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Quarterly

### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/29/2008  
Date Data Arrived at EDR: 07/31/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 10/29/2008  
Next Scheduled EDR Contact: 01/26/2009  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/01/2008	Source: EPA
Date Data Arrived at EDR: 07/09/2008	Telephone: (404) 562-9900
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Biennially

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 08/25/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/10/2008
	Data Release Frequency: Varies

## STATE AND LOCAL RECORDS

### SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/23/2008	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 07/24/2008	Telephone: 919-733-2801
Date Made Active in Reports: 08/20/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 04/06/2006  
Date Data Arrived at EDR: 02/28/2007  
Date Made Active in Reports: 04/13/2007  
Number of Days to Update: 44

Source: North Carolina Center for Geographic Information and Analysis  
Telephone: 919-733-2090  
Last EDR Contact: 08/29/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Biennially

### IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006  
Date Data Arrived at EDR: 08/01/2006  
Date Made Active in Reports: 08/23/2006  
Number of Days to Update: 22

Source: Department of Environment and Natural Resources  
Telephone: 919-733-3221  
Last EDR Contact: 10/22/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Quarterly

### SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/18/2008  
Date Data Arrived at EDR: 08/18/2008  
Date Made Active in Reports: 09/12/2008  
Number of Days to Update: 25

Source: Department of Environment and Natural Resources  
Telephone: 919-733-0692  
Last EDR Contact: 10/22/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Semi-Annually

### OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 07/11/2008  
Date Data Arrived at EDR: 08/08/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 12

Source: Department of Environment & Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/24/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Varies

### HIST LF: Solid Waste Facility Listing

A listing of solid waste facilities.

Date of Government Version: 11/06/2006  
Date Data Arrived at EDR: 02/13/2007  
Date Made Active in Reports: 03/02/2007  
Number of Days to Update: 17

Source: Department of Environment & Natural Resources  
Telephone: 919-733-0692  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Quarterly

### LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 08/29/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/12/2008  
Number of Days to Update: 8

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1308  
Last EDR Contact: 09/04/2008  
Next Scheduled EDR Contact: 12/01/2008  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 08/02/2008  
Date Data Arrived at EDR: 08/07/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 13

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1315  
Last EDR Contact: 11/06/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

### UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/01/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/11/2008  
Number of Days to Update: 7

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1308  
Last EDR Contact: 09/04/2008  
Next Scheduled EDR Contact: 12/01/2008  
Data Release Frequency: Quarterly

### AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 07/14/2008  
Date Data Arrived at EDR: 07/15/2008  
Date Made Active in Reports: 08/19/2008  
Number of Days to Update: 35

Source: Department of Environment and Natural Resources  
Telephone: 919-715-6183  
Last EDR Contact: 10/27/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Semi-Annually

### INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 07/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 27

Source: Department of Environment, Health and Natural Resources  
Telephone: 919-733-2801  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Quarterly

### VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 07/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 27

Source: Department of Environment and Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Semi-Annually

### DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 06/17/2008  
Date Data Arrived at EDR: 07/15/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 36

Source: Department of Environment & Natural Resources  
Telephone: 919-508-8400  
Last EDR Contact: 10/15/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 10/01/2007  
Date Data Arrived at EDR: 10/31/2007  
Date Made Active in Reports: 01/14/2008  
Number of Days to Update: 75

Source: Department of Environment and Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/29/2008  
Next Scheduled EDR Contact: 01/26/2009  
Data Release Frequency: Varies

### NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 09/26/2008  
Number of Days to Update: 15

Source: Department of Environment & Natural Resources  
Telephone: 919-733-7015  
Last EDR Contact: 09/08/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Varies

### TRIBAL RECORDS

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

#### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 08/25/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Varies

#### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/22/2008  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 18

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

#### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2008  
Date Data Arrived at EDR: 10/10/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

#### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/21/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 5

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008  
Date Data Arrived at EDR: 03/27/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 40

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 6

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008  
Date Data Arrived at EDR: 03/27/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 40

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land  
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 03/20/2008  
Number of Days to Update: 6

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land  
No description is available for this data

Date of Government Version: 03/17/2008  
Date Data Arrived at EDR: 03/27/2008  
Date Made Active in Reports: 05/06/2008  
Number of Days to Update: 40

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Semi-Annually

### INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 5

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 18

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 10/20/2008

Next Scheduled EDR Contact: 01/19/2009

Data Release Frequency: Varies

### EDR PROPRIETARY RECORDS

#### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

#### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 06/15/2007

Date Made Active in Reports: 08/20/2007

Number of Days to Update: 66

Source: Department of Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 09/12/2008

Next Scheduled EDR Contact: 12/08/2008

Data Release Frequency: Annually

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007

Date Data Arrived at EDR: 12/04/2007

Date Made Active in Reports: 12/31/2007

Number of Days to Update: 27

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 11/07/2008

Next Scheduled EDR Contact: 02/02/2009

Data Release Frequency: Annually

#### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/23/2008

Date Data Arrived at EDR: 08/28/2008

Date Made Active in Reports: 09/11/2008

Number of Days to Update: 14

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 08/28/2008

Next Scheduled EDR Contact: 11/24/2008

Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 10/02/2008  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 09/08/2008  
Next Scheduled EDR Contact: 12/08/2008  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008  
Date Data Arrived at EDR: 10/10/2008  
Date Made Active in Reports: 10/28/2008  
Number of Days to Update: 18

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/08/2008  
Number of Days to Update: 17

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 10/06/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation  
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Child Care Facility List

Source: Department of Health & Human Services

Telephone: 919-662-4499

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

NC 125 - HALIFAX COUNTY  
NC 125 FROM I-95 TO OLD FARM ROAD  
ROANOKE RAPIDS, NC 27870

### **TARGET PROPERTY COORDINATES**

Latitude (North):	36.40925 - 36° 24' 33.3"
Longitude (West):	77.64844 - 77° 38' 54.4"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	262510.9
UTM Y (Meters):	4032399.5
Elevation:	161 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	36077-D6 ROANOKE RAPIDS, NC
Most Recent Revision:	1974

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

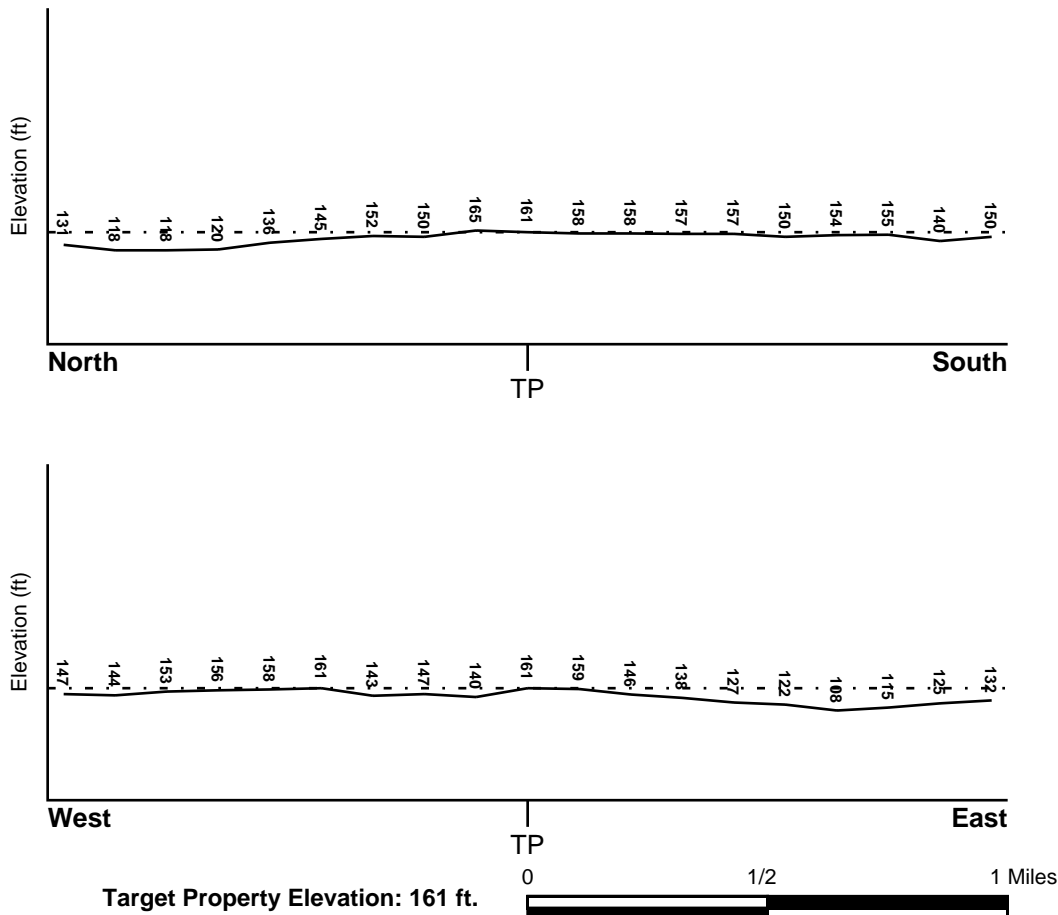
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County  
HALIFAX, NC

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3703270040B

Additional Panels in search area: 3701170005B  
3701190005B

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
ROANOKE RAPIDS

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

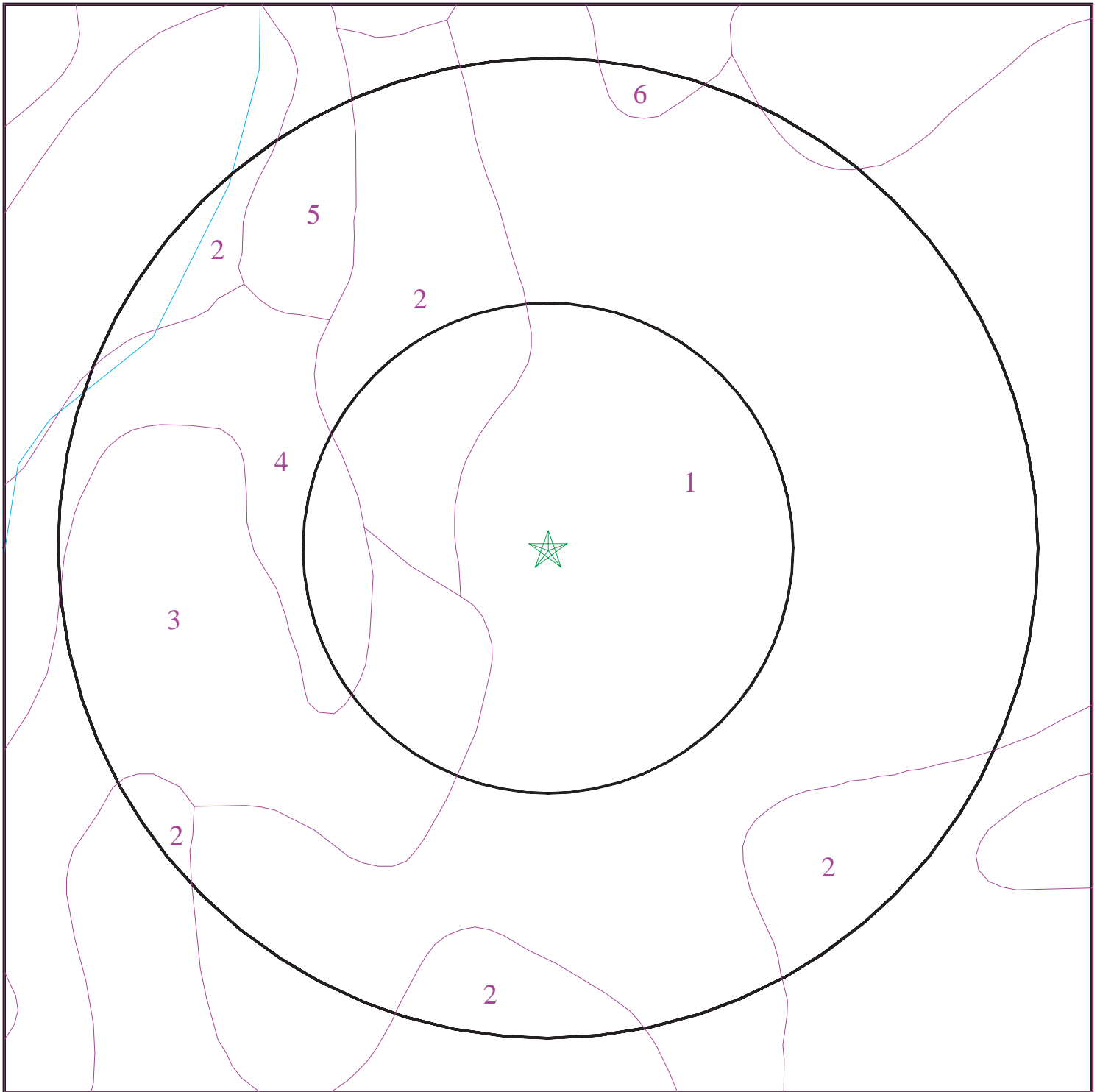
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 2357743.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: NC 125 - Halifax County  
ADDRESS: NC 125 from I-95 to Old Farm Road  
Roanoke Rapids NC 27870  
LAT/LONG: 36.4093 / 77.6484

CLIENT: Kimley-Horn & Associates, Inc.  
CONTACT: Anna Reusche  
INQUIRY #: 2357743.2s  
DATE: November 07, 2008 12:05 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

#### Soil Map ID: 1

Soil Component Name: Emporia

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 114 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	42 inches	57 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 6 Min: 4.5
2	57 inches	66 inches	stratified sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 6 Min: 4.5
3	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 6 Min: 4.5
4	9 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 6 Min: 4.5

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	16 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 1.4	Max: 6 Min: 4.5

### Soil Map ID: 2

Soil Component Name: Bonneau

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	9 inches	24 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 4.5
2	24 inches	35 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 4.5

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	35 inches	62 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 4.5
4	0 inches	9 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 4.5

### Soil Map ID: 3

Soil Component Name: Gritney

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 0.01	Max: 5.5 Min: 3.5

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	57 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 0.01	Max: 5.5 Min: 3.5
3	57 inches	70 inches	stratified loamy sand to sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 0.01	Max: 5.5 Min: 3.5

### Soil Map ID: 4

Soil Component Name: Rains

Soil Surface Texture: sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	11 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	11 inches	20 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	20 inches	61 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
5	61 inches	85 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

### Soil Map ID: 5

Soil Component Name: Chastain

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	5 inches	51 inches	silty clay	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 6 Min: 3.5
2	51 inches	72 inches	sand	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 6 Min: 3.5
3	0 inches	5 inches	clay loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 6 Min: 3.5

### Soil Map ID: 6

Soil Component Name: Emporia

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 114 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 5.5 Min: 3.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	16 inches	42 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 5.5 Min: 3.6
3	42 inches	57 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 5.5 Min: 3.6
4	57 inches	66 inches	stratified sandy loam to clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 5.5 Min: 3.6
5	9 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 14	Max: 5.5 Min: 3.6

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

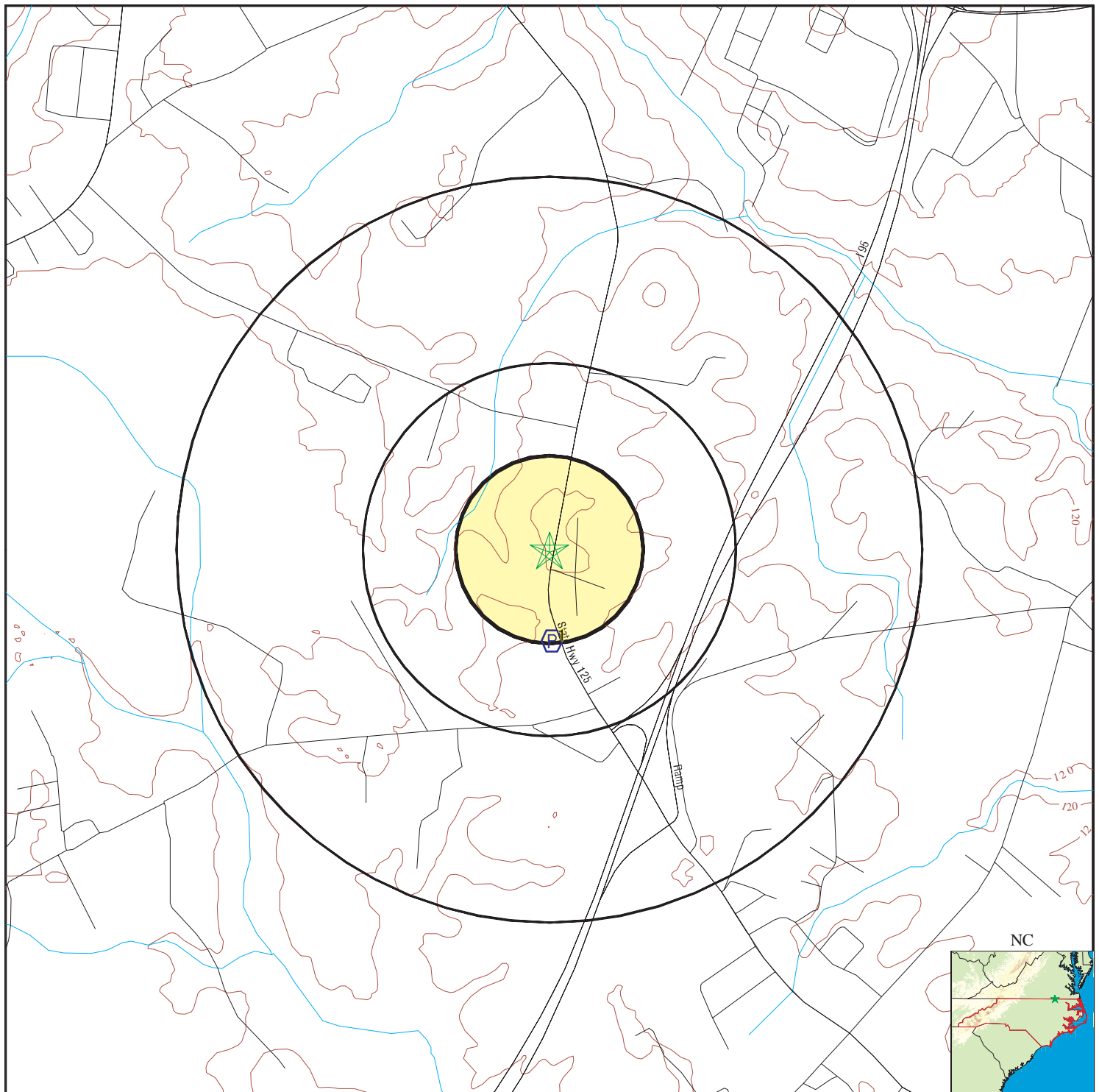
MAP ID	WELL ID	LOCATION FROM TP
<u>1</u>	<u>NC0442410</u>	<u>1/8 - 1/4 Mile South</u>

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>No Wells Found</u>	<u></u>	<u></u>

# PHYSICAL SETTING SOURCE MAP - 2357743.2s



- |                            |  |                                     |  |               |                           |                           |
|----------------------------|--|-------------------------------------|--|---------------|---------------------------|---------------------------|
| County Boundary            | Major Roads                                | Contour Lines                       | Earthquake epicenter, Richter 5 or greater | Water Wells   | Public Water Supply Wells | Cluster of Multiple Icons |
| Groundwater Flow Direction | Indeterminate Groundwater Flow at Location | Groundwater Flow Varies at Location | Wildlife Areas                             | Natural Areas | Rare & Endangered Species |                           |

SITE NAME: NC 125 - Halifax County  
 ADDRESS: NC 125 from I-95 to Old Farm Road  
 Roanoke Rapids NC 27870  
 LAT/LONG: 36.4093 / 77.6484

CLIENT: Kimley-Horn & Associates, Inc.  
 CONTACT: Anna Reusche  
 INQUIRY #: 2357743.2s  
 DATE: November 07, 2008 12:05 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

1

South  
1/8 - 1/4 Mile  
Lower

FRDS PWS NC0442410

PWS ID: NC0442410 PWS Status: Active  
Date Initiated: 7706 Date Deactivated: Not Reported  
PWS Name: NC DRIVER LICENSE OFF HALIFAX  
ROANOKE RAPID, NC 27876

Addressee / Facility: System Owner/Responsible Party  
FRANK CAUSEY OR MGR  
PO BOX 405 ROANOK RAPIDS  
ROANOKE RAPIDS, NC 27876

Addressee / Facility: System Owner/Responsible Party  
DEPT OF TRANSPORTATION  
P O BOX 406  
RALEIGH, NC 27870

Facility Latitude: 36 24 20 Facility Longitude: 077 38 55  
Facility Latitude: 36 29 24 Facility Longitude: 077 26 30  
City Served: ROANOKE RAPID  
Treatment Class: Untreated Population: 00000100

Violations information not reported.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: NC Radon

#### Radon Test Results

County	Result Type	Total Sites	Avg pCi/L	Range pCi/L	Result Type
HALIFAX	Statistical	3	0.90	-0.30-1.80	Non-Statistical
HALIFAX	18	1.65	0.00-7.00		

Federal EPA Radon Zone for HALIFAX County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27870

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### North Carolina Public Water Supply Wells

Source: Department of Environmental Health

Telephone: 919-715-3243

## OTHER STATE DATABASE INFORMATION

#### NC Natural Areas: Significant Natural Heritage Areas

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon coverage identifying sites (terrestrial or aquatic) that have particular biodiversity significance.

A site's significance may be due to the presence of rare species, rare or high quality natural communities, or other important ecological features.

#### NC Game Lands: Wildlife Resources Commission Game Lands

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

#### NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

### RADON

#### State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statistical Data

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.



## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

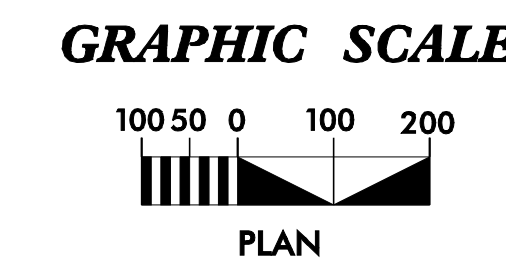
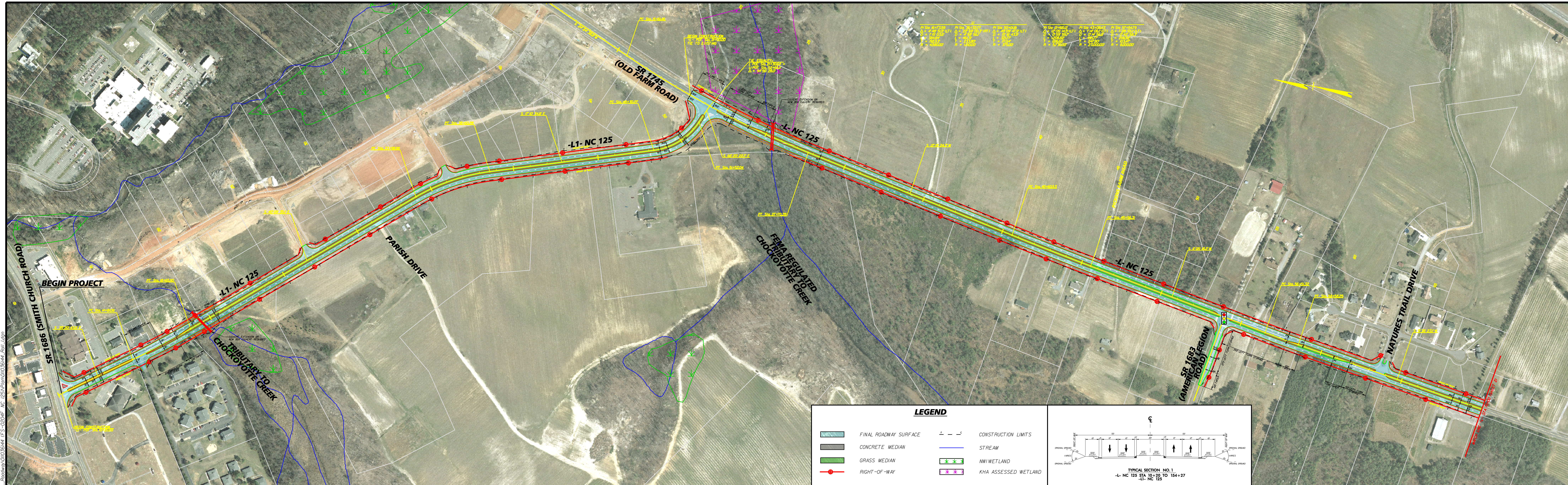
Source: Department of Commerce, National Oceanic and Atmospheric Administration

### STREET AND ADDRESS INFORMATION

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**NCDOT FEASIBILITY NO: FS-0204F**  
**PROJECT DESCRIPTION: NC 125 FEASIBILITY STUDY**  
**DATE: 11-13-09**



**FIGURE 5: SHEET 1 OF 3**

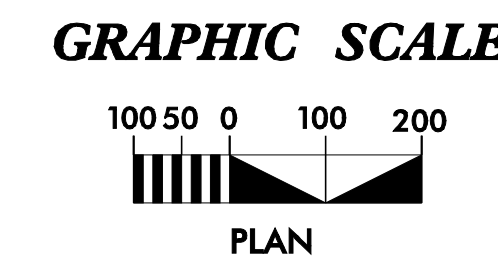
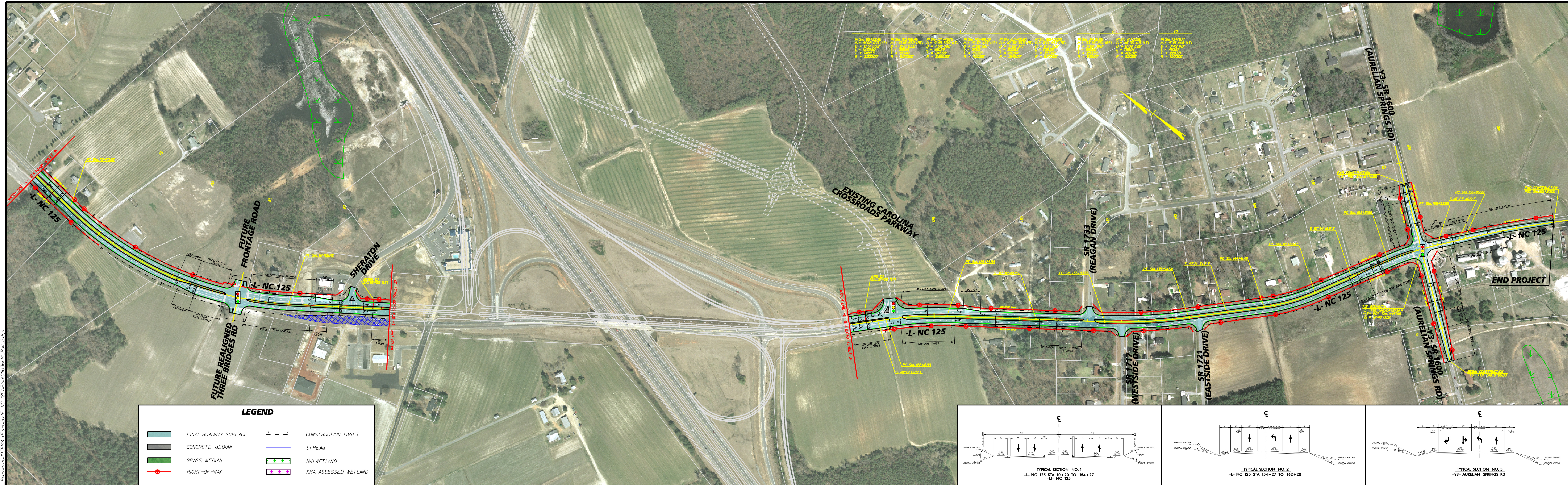




**FIGURE 5: SHEET 3 OF 3**



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**FIGURE 5: SHEET 2 OF 3**