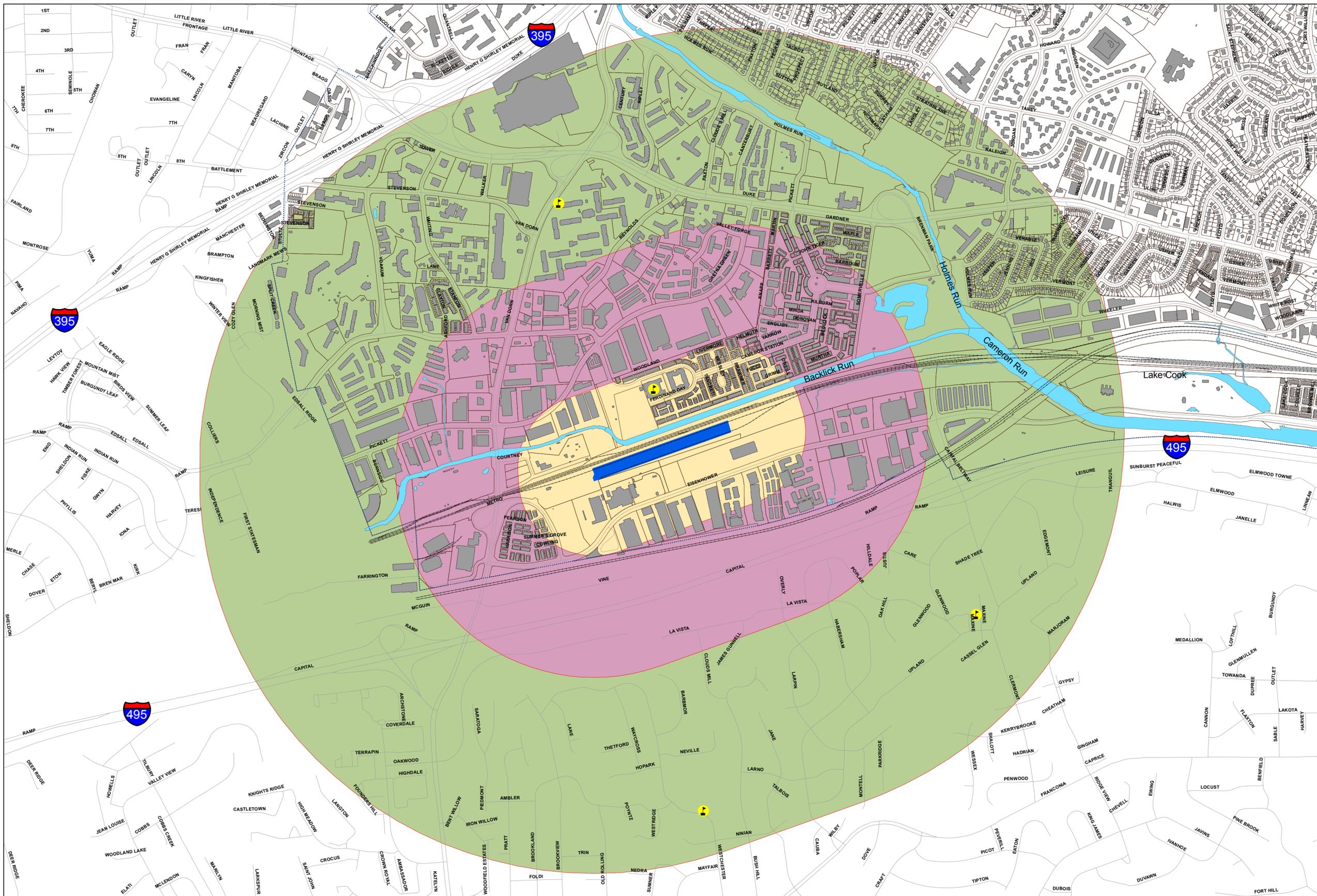


# Characteristics of Norfolk Southern Ethanol Transloading Facilities

At the May 27 City Council meeting, representatives of Norfolk Southern Corporation told Council that, in addition to the Alexandria transloading site, Norfolk Southern has four other such operations, all managed by RSI Logistics, Inc. Those sites are in Petersburg, Virginia; Baltimore, Maryland; Spartanburg, South Carolina; and Grand Rapids, Michigan. City staff has reviewed demographic and related information about each of the sites. The Alexandria site appears to be the only site that is not a part of a major, long-standing rail yard operation with rail cars regularly stopped and parked on the site. In Alexandria, the transloading operation was introduced into a neighborhood that, in recent years, has become much more residential, with the construction of two large condominium complexes and an elementary school—and no significant rail operations. A detailed comparison of Alexandria and the other four sites follows.

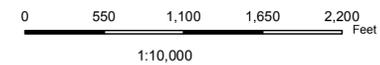
# Alexandria, VA

- The facility lies in a densely populated area
- Some census blocks within one-half mile of the facility contain 18,000 or more persons per square mile
- One school lies within 600 feet of the facility
- Three other schools are within less than a mile of the facility
- A metro station lies within less than 1,000 feet of the facility
- The facility is less than one-third of a mile from the Beltway, and one mile from Interstate 395



## Alexandria, VA Ethanol Transfer Facility

Map Produced:  
06-13-2008



### Legend

- Transfer Site
- 1000 Foot Buffer
- 1/2 Mile Buffer
- 1 Mile Buffer
- City Boundary
- Schools within 1 mile

**Estimated Population of 2007**  
 @ 1000 ft = 1141  
 @ 1/2 mile = 8956

This map was produced by the GIS Division of the Department of Planning and Zoning, City of Alexandria, Virginia  
 Mapping Standards:  
 Coordinate System - NAD83 State Plane Virginia North  
 Projection - Lambert Conformal Conic  
 Map Units - Feet  
 The maps provided hereunder are provided "as is" and the City expressly disclaims all warranties, express and implied, including warranties as to accuracy of the maps and merchantability and fitness for a particular purpose, and further expressly disclaims responsibility for all incidental, consequential or special damages arising out of or in connection with the use or performance of the maps.

# Baltimore, MD

- The facility lies in a densely populated area
- Some census blocks within one-half mile of the facility contain 18,000 or more persons per square mile (there does not appear to be much such density within 1,000 feet of the facility)
- One school lies within 1,000 feet of the facility
- Three schools lie within less than one-half mile of the facility; and six others within one mile
- The facility appears to be directly adjacent to Interstate 83

# Baltimore, MD

## Ethanol Transfer Facility

### Legend

-  Schools within 1 mile
-  Transfer Site (Approximate Location)\*
- Buffers**
-  1000 Feet
-  1/2 Mile
-  1 Mile

\*Transfer site is shown as same size as Alexandria's site for comparison. Actual site location and configuration is currently being researched.



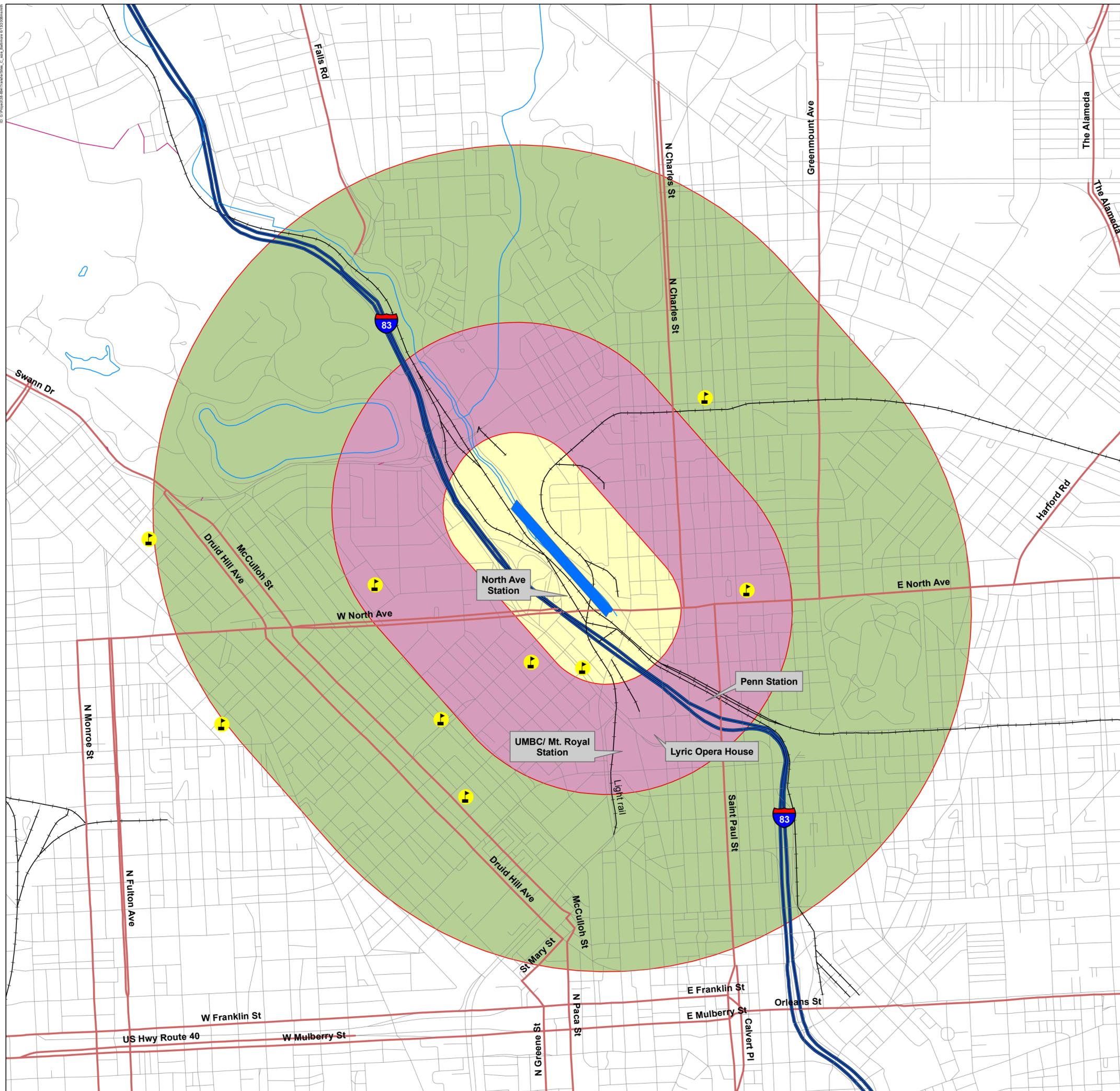
1 inch equals 1,000 feet

### Estimated Population (Year 2000)

1000 Feet	930
Half Mile	13,459
One Mile	46,634



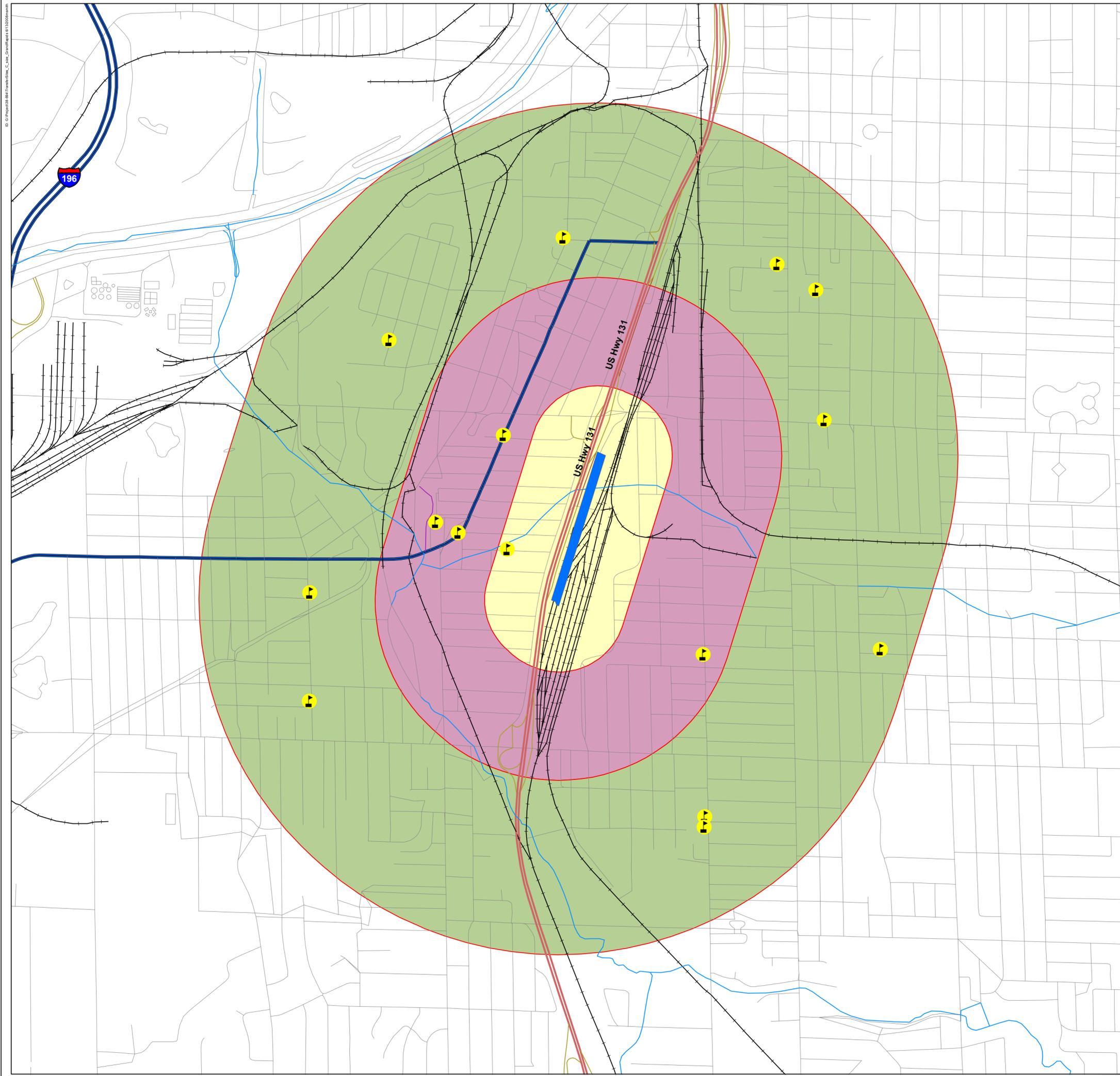
Map produced on June 13th, 2008



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# Grand Rapids, MI

- The facility lies adjacent to some densely populated areas
- Some census blocks within one-half mile of the facility contain 18,000 or more persons per square mile (there is some such density within 1,000 feet of the facility)
- One school lies within 1,000 feet of the facility
- Four other schools lie within less than one-half mile of the facility; and ten more lie within one mile
- The facility appears to be directly adjacent to a major highway (US 131)



# Grand Rapids, MI

## Ethanol Transfer Facility

### Legend

- Schools within 1 mile
  - Transfer Site (Approximate Location)\*
- Buffers**
- 1000 Feet
  - 1/2 Mile
  - 1 Mile

\*Transfer site is shown as same size as Alexandria's site for comparison. Actual site location and configuration is currently being researched.



1 inch equals 1,000 feet

<b>Estimated Population (Year 2000)</b>	
1000 Feet	1696
Half Mile	6900
One Mile	18,077



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# Petersburg, VA

- The facility does not lie in a densely populated area; relatively few people live even within a mile of the facility
- No school lies within 1,000 feet of the facility
- Two schools are within about one-half mile of the facility, and one is about one mile away
- The facility appears to be more than one-half mile from I-95

# Petersburg, VA

## Ethanol Transfer Facility

### Legend

-  Schools within 1 mile
  -  Transfer Site (Approximate Location)\*
- Buffers**
-  1000 Feet
  -  1/2 Mile
  -  1 Mile

\*Transfer site is shown as same size as Alexandria's site for comparison. Actual site location and configuration is currently being researched.



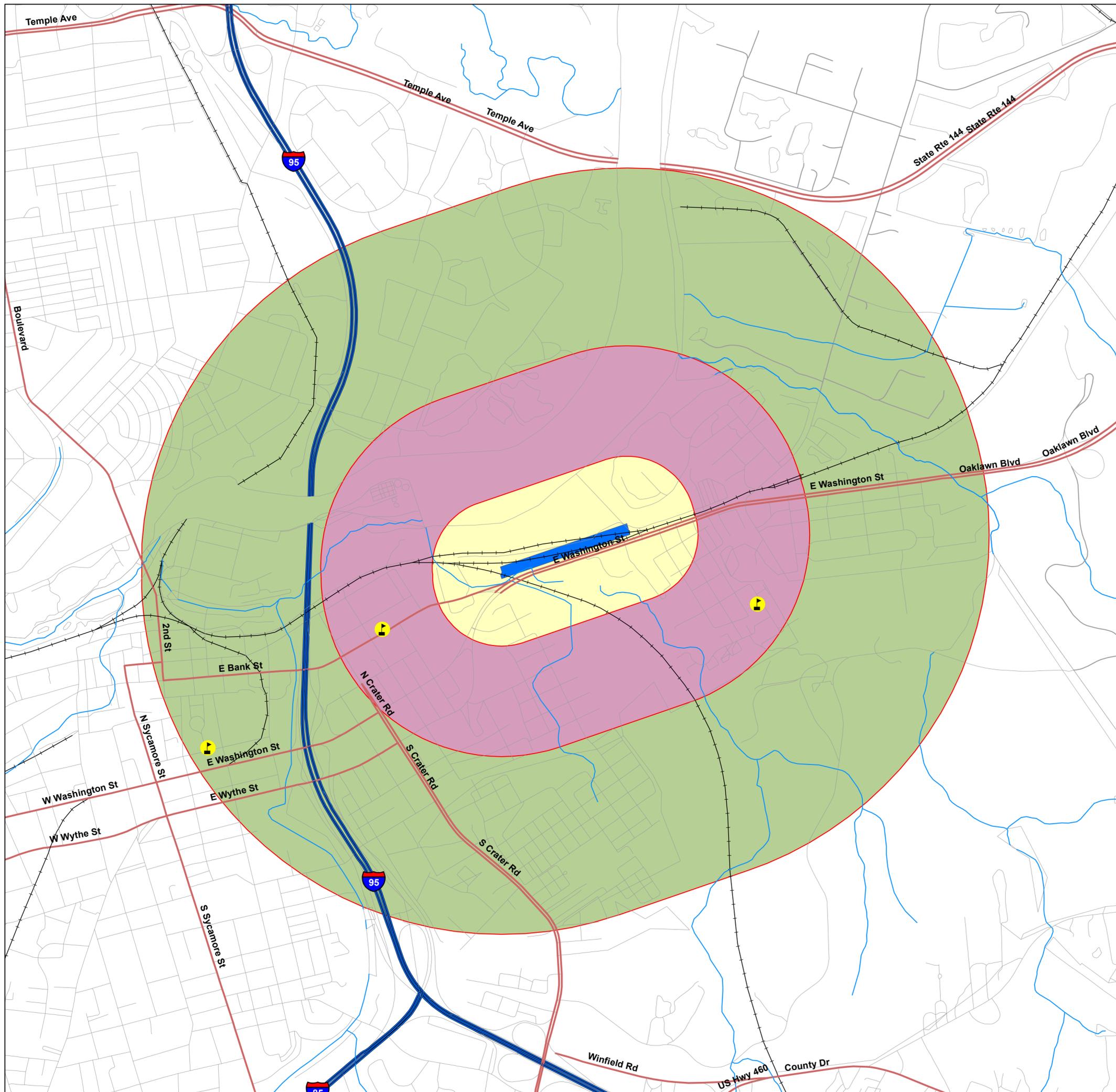
1 inch equals 1,000 feet

### Estimated Population (Year 2000)

1000 Feet	49
Half Mile	1856
One Mile	2914



Map produced on June 13th, 2008



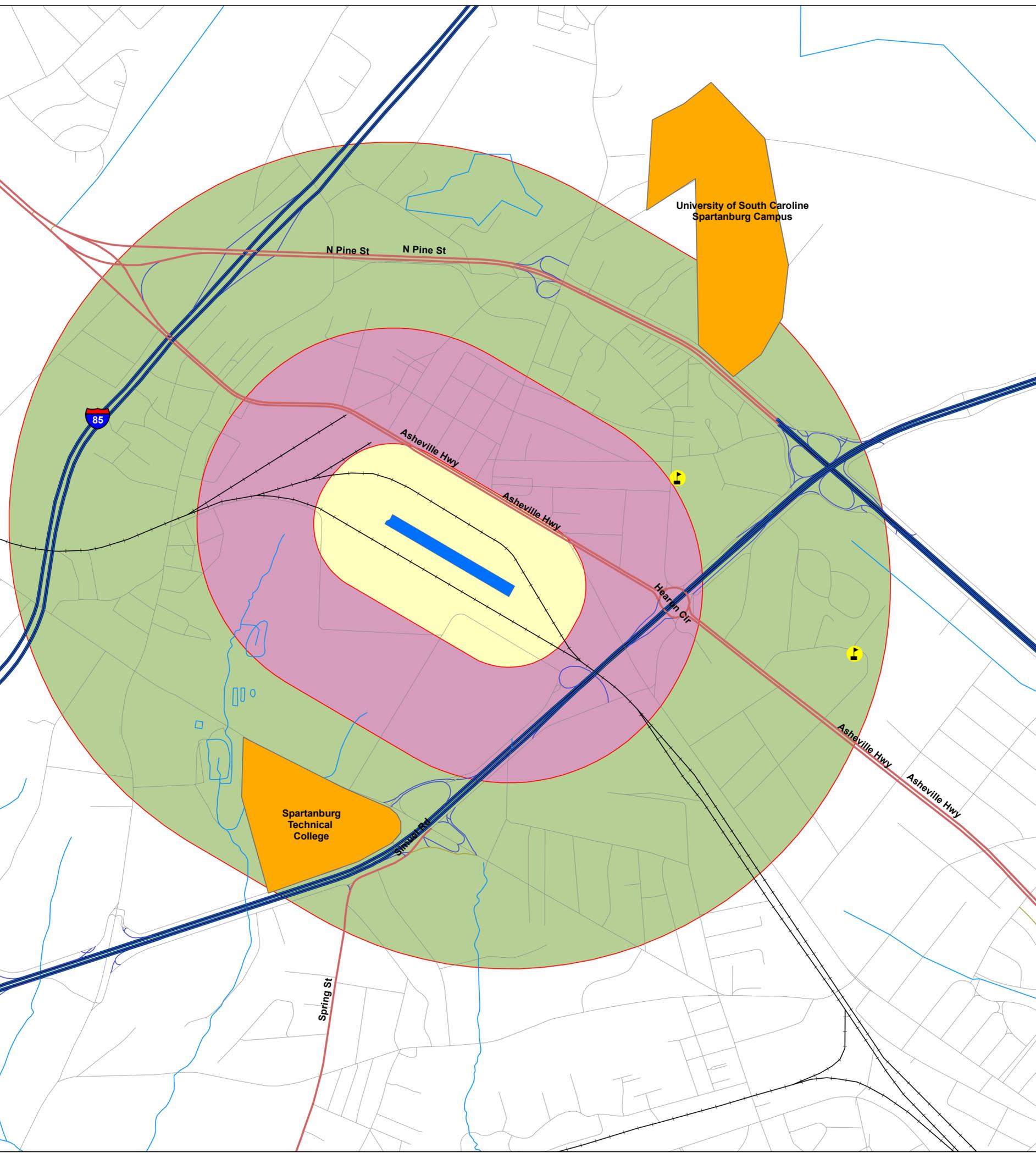
# Spartanburg, SC

- This facility has very few people living even within a mile of it
- Two schools lie within one mile of the facility, as well as two higher education institutions.
- There do not appear to be any interstates near the facility

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# Spartanburg, SC

## Ethanol Transfer Facility



### Legend

-  Schools within 1 mile
  -  Transfer Site (Approximate Location)\*
- Buffers**
-  1000 Feet
  -  1/2 Mile
  -  1 Mile

\*Transfer site is shown as same size as Alexandria's site for comparison. Actual site location and configuration is currently being researched.



1 inch equals 1,000 feet

Estimated Population (Year 2000)	
1000 Feet	15
Half Mile	1888
One Mile	2838



Map produced on June 13th, 2008