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Subject:  
2016 Soil Cover Inspection Report  
Former VCC Site – Winston-Salem, North Carolina

ENVIRONMENT

Dear Mr. Mallary:

Date:

October 19, 2016

The purpose of this letter is to report the findings of the 2016 soil cover inspection performed at the former Virginia-Carolina Chemical Corporation Site, located in Winston-Salem, Forsyth County, North Carolina (the Site). In 2010, ExxonMobil Environmental Services Company (EMES) completed a soil removal action at the Site. The purpose of this removal action was to excavate soil/sediment containing arsenic- and lead-above the site-specific action levels (SSALs) associated with a former phosphate fertilizer plant that occupied the Site in the early 1900s. Soil removal areas are shown on the figures included as Attachment 1. Inspection photos are provided in Attachment 2.

Contact:

Anna Hagemeister

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The soil cover inspection was performed by Arcadis on October 10, 2016 during the same mobilization as the semi-annual groundwater monitoring activities. The ground conditions on the north side of Highway 52 were generally good. There are some areas (near the railroad tracks and the access road leading east from the tracks) with limited grass cover where DOT had previously staged materials and appears to have spread some gravel. Based on the DOT activities at the site for 2 years after completion of the 2010 soil removal activities, and placement of gravel as described above, grass cover in some areas is not expected. However, all areas appear stable with no signs of erosion. See photos 1-4 in Attachment 2 for general conditions on the north side of the highway.

Our ref:

B0085732

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NC Engineering License # C-1869

NC Surveying License # C-1869

On the south side of Highway 52 most of the areas are well covered with grass and vegetation. Removal Area 9 was not inspected because this area was built over with the expanded highway lane shortly after the soil removal. Access to areas 10 through 13 was restricted by DOT fencing and thick vegetation, however, these areas were observed from the east side of Areas 12 and 13, and from above driving

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on Highway 52. See photos 5-8 below for general conditions on the south side of the highway.

In general, site conditions looked good and no action is recommended at this time. No material defects to the soil cover were observed in those areas where impacted soils remain at depth, and there were no areas with exposed demarcation liner observed. Additional inspections are recommended annually in accordance with the Post-Removal Action Site Control Plan presented in the *Removal Action Completion Report* (ARCADIS, June 2011).

Sincerely,

Arcadis G&M of North Carolina, Inc.



Anna Hagemester  
Senior Environmental Engineer

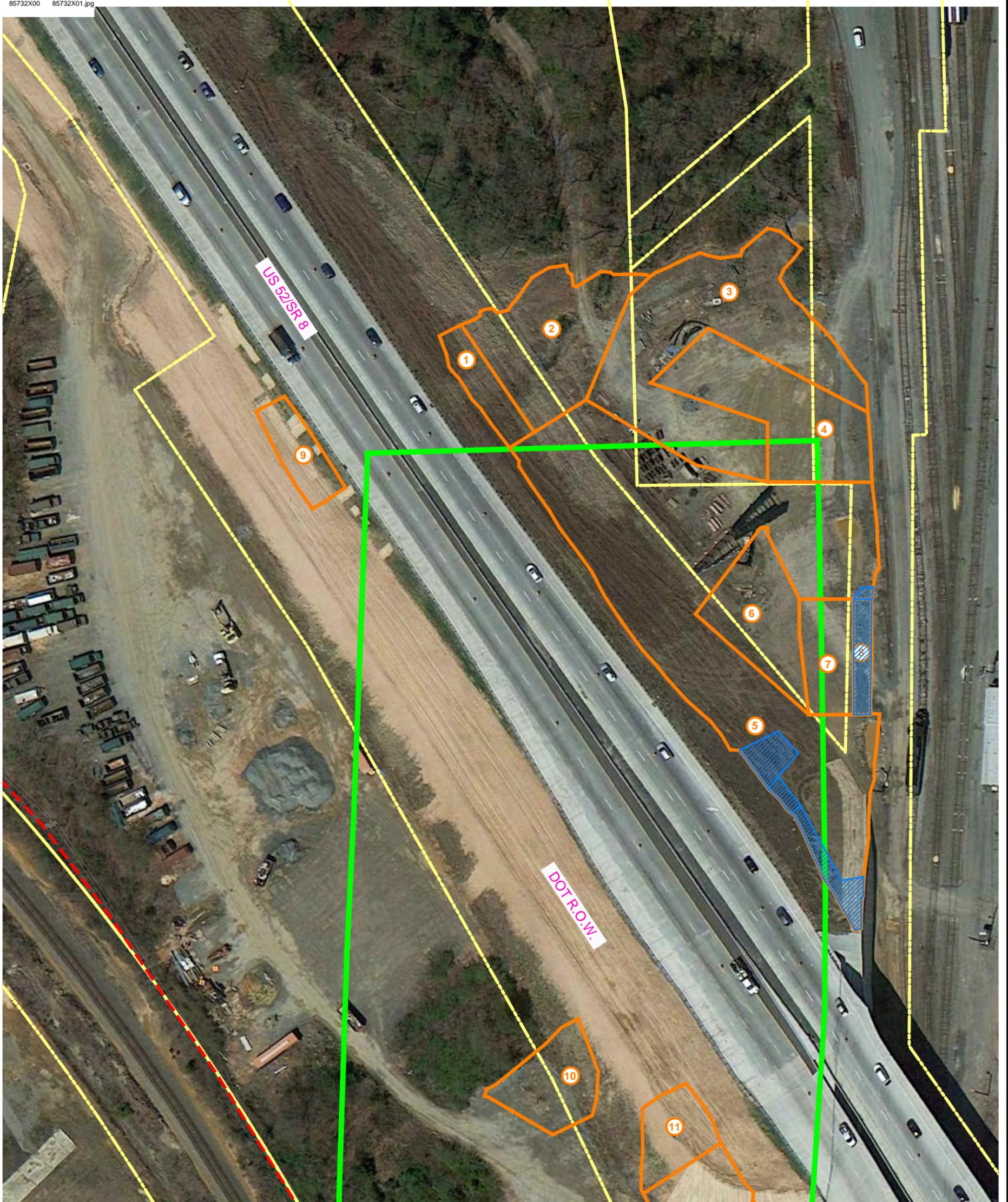
Copies:  
Bruce Frink (ExxonMobil)

Enclosures:

**Attachments**

- 1 Soil Removal Area Figures 1 and 2
- 2 2016 Soil Cover Inspection Photographs

XREFS: IMAGES:  
 85732X00 85732X01.jpg



**LEGEND:**

- APPROXIMATE LOCATION OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION PLANT FENCE LINE (APPROXIMATE BOUNDARY OF THE FIRST LOT OF THE ORIGINAL PLACE)
- - - CURRENT TAX PARCEL BOUNDARIES
- - - NEW NCDOT R.O.W. (AUGUST 2009)
- AREA OF SOIL REMOVAL
- 10 REMOVAL AREA ID
- DEMARCATION LINER AREA

**NOTES:**

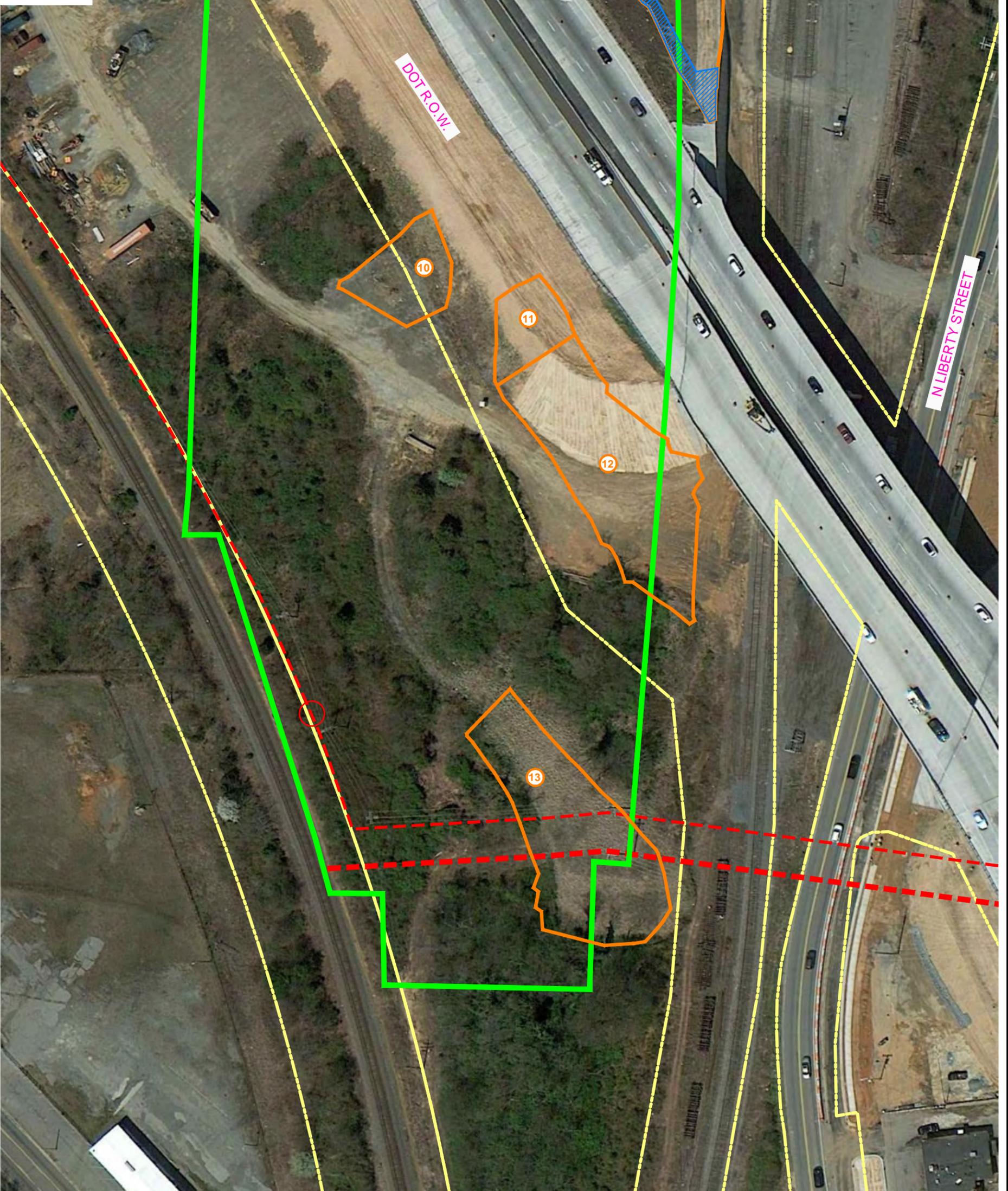
1. 2013 AERIAL PHOTOGRAPH OF WINSTON - SALEM PROVIDED BY GOOGLE EARTH PRO.
2. PARCEL BOUNDARIES DIGITIZED FROM 2015 FORSYTH COUNTY COMPILATION OF RECORDED PLATS.

**FORMER STREET NAMES:**  
 INDIANA AVE. (FKA INVERNESS AVE.)  
 LIBERTY ST. (FKA WALKERTOWN RD.)

EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY  
 WINSTON-SALEM, FORSYTH COUNTY, NORTH CAROLINA  
**SOIL COVER INSPECTION REPORT**

**SITE PLAN SHOWING LIMITS OF SOIL  
 REMOVAL - NORTH OF HIGHWAY 52/SR-8**

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 IMAGES: 85732X01.jpg



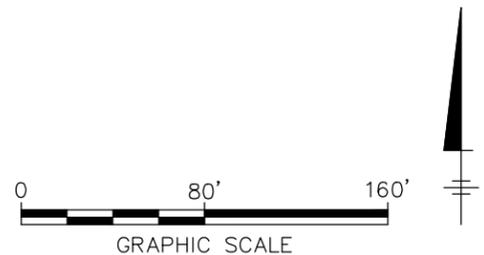
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**SITE PLAN SHOWING LIMITS OF SOIL REMOVAL - SOUTH OF HIGHWAY 52/SR-8**

ATTACHMENT 2



1 - Standing near Zone 2 looking Southeast



2 - Standing near Zone 7 looking Northeast



3 - Standing in Zone 3 looking South



4 - Looking South along tracks under bridge

ATTACHMENT 2



5 - Standing near Zone 12 looking North



6 - Standing near Zone 12 looking Northwest



7 - Standing near Zone 12 looking West



8 - Standing near Zone 13 looking West