UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-8960

January 25, 2018

(b)(6) [redacted]

SUBJ: EPA Asbestos Removal at 314 Depot Street

Dear (b)(6) [redacted]:

Enclosed, you will find the Removal Action Status Report for the property located at 314 Depot Street in Davidson, North Carolina. The report summarizes information regarding the original asbestos sampling, a description of the Removal Action conducted on the property, a summary of multimedia sampling results, details on the restoration of the property and the timeframe of the Removal Action. We have also included a figure of the removal area and the air sampling locations, a table of the air sampling results and photographs of the removal activities.

The removal activities have been completed and there are no further actions needed on the above-mentioned property. If you have any questions or need further information, please do not hesitate to contact Jordan Garrard, US EPA, Federal On-Scene Coordinator directly at (678) 644-8648, via email: garrard.jordan@epa.gov or myself directly at (678) 575-8132, via email: miller.angela@epa.gov, at any time.

It was such a pleasure working with you and your community. Thank you for your cooperation and patience throughout the removal activities.

Sincerely,

Angela R. Miller, US EPA
Community Involvement Coordinator

Enclosure(s)

cc: Jordan Garrard, US EPA, Federal On-Scene Coordinator
Miguel Alvalle, NC DEQ

REMOVAL ACTION STATUS REPORT
DAVIDSON ASBESTOS

Property Address: 310 and 314 Depot Street, Davidson, Mecklenburg County, North Carolina

Original Asbestos Sampling Information: Surface soil samples were collected at a depth of 0 to 3 inches below ground surface (bgs) and subsurface soil samples were collected at a depth of 3 to 6 inches bgs. Analytical results are reported in increments of 0.25 percent asbestos. Those samples with analytical results reported as "trace" (less than 0.25 percent asbestos) were further analyzed by fluidized bed analysis and reported in soil concentrations of phase contrast microcopy equivalent (PCME) structures per gram (s/g) of soil.

Property Address	Area Sampled	Surface Soil Results (percent asbestos) 0-3 inches deep	Subsurface Soil Results (percent asbestos) 3-6 inches deep
310 Depot Street	Front Yard	0.0 s/g	0.0 s/g
	Back Yard	No Asbestos Detected	0.0 s/g
314 Depot Street	Back Yard	No Asbestos Detected	No Asbestos Detected

Description of Removal Action: Because of the small size of the areas, removal activities at 310 and 314 Depot Street were conducted at the same time. The soil was excavated to an approximate maximum depth in the following areas: the driveway at 310 Depot Street to 12 inches; along the southern and western drip lines and the tree line of 310 Depot Street to 3 inches; and, along the eastern side and southern yard of 314 Depot Street to 3 inches (see Appendix 1). Visual inspections of the excavated areas for asbestos-containing materials (ACM) were conducted by a State of North Carolina-accredited asbestos inspector and air monitor. Additional removal was conducted in those areas where ACM were still visibly present. Once ACM was no longer visibly present, restoration of the excavated areas was allowed to commence.

Summary of Multimedia Sampling Results: Perimeter air sampling was conducted at four stationary locations during removal activities on June 1, 2017. Air sampling locations were selected based on wind direction and removal activities. The analytical results were less than the limit of detection and ranged from less than 0.00053 fibers per cubic centimeter (f/cc) to less than 0.0021 f/cc. Of the four air perimeter air samples collected, sample DA-314DS-AA-L02-060117 contained one chrysotile asbestos fiber, but the analytical result was below the 0.001 f/cc action level (see Appendix 2). A five-point composite soil sample was collected from the excavated areas prior to restoration activities, and the analytical result detected a trace amount of chrysotile asbestos.

Perimeter air and composite soil samples were collected by a State of North Carolina-accredited asbestos inspector and air monitor with oversight from a State of North Carolina-accredited supervising air monitor (SAM).

Restoration of Property: Restoration work included the following activities at each property: installation of snow fencing on top of the subsurface of the excavated area, backfill, and rock in the driveway of 310 Depot Street; rock around the along the southern and western drip lines and topsoil and mulch under the tree line of 310 Depot Street; and topsoil and sod along the eastern side and southern yard and topsoil and mulch under the tree line of 314 Depot Street. All areas

were restored to the original height of the surrounding grade.

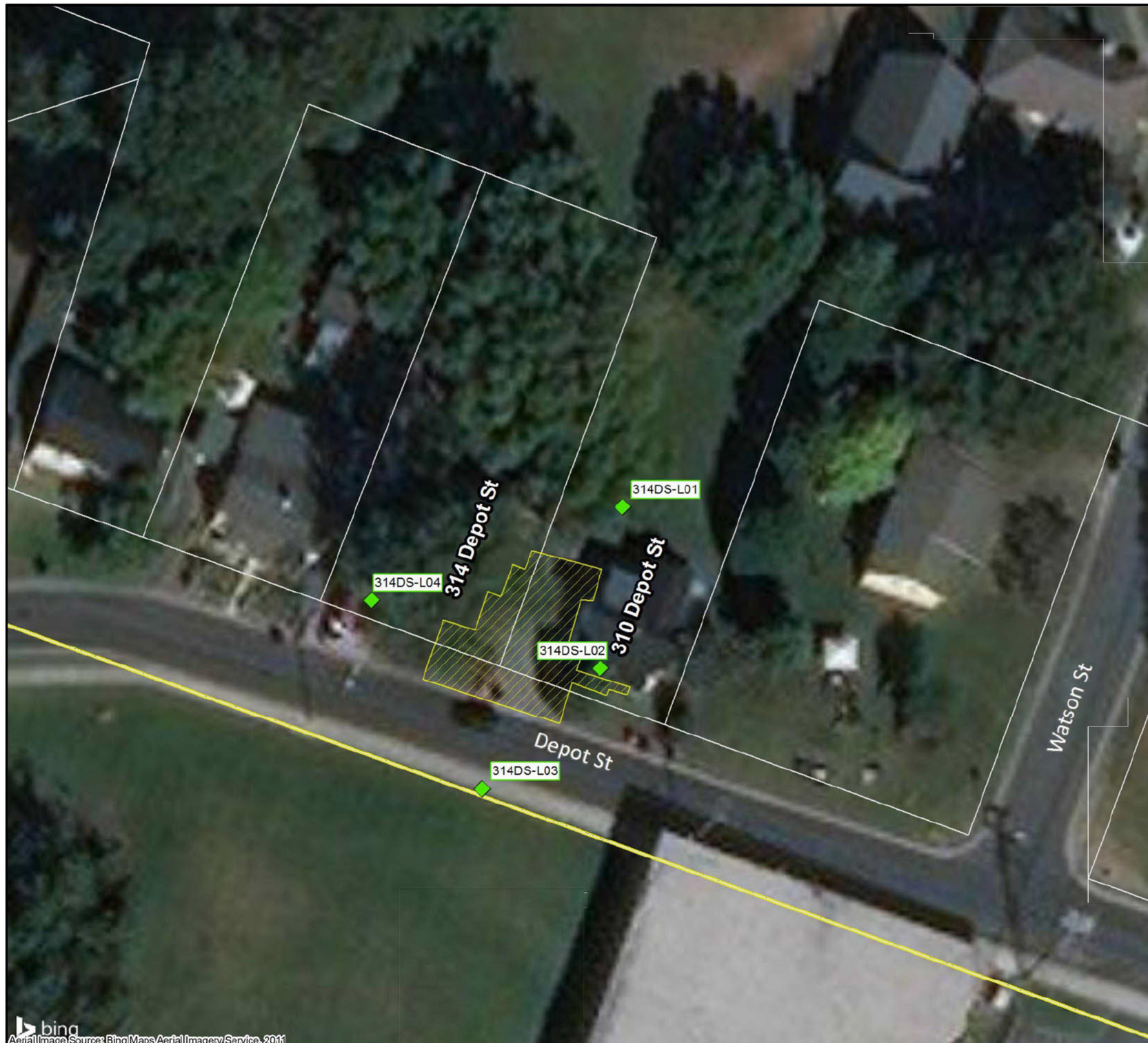
Time Frame of Removal Action: Removal activities began and were completed on June 1, 2017.

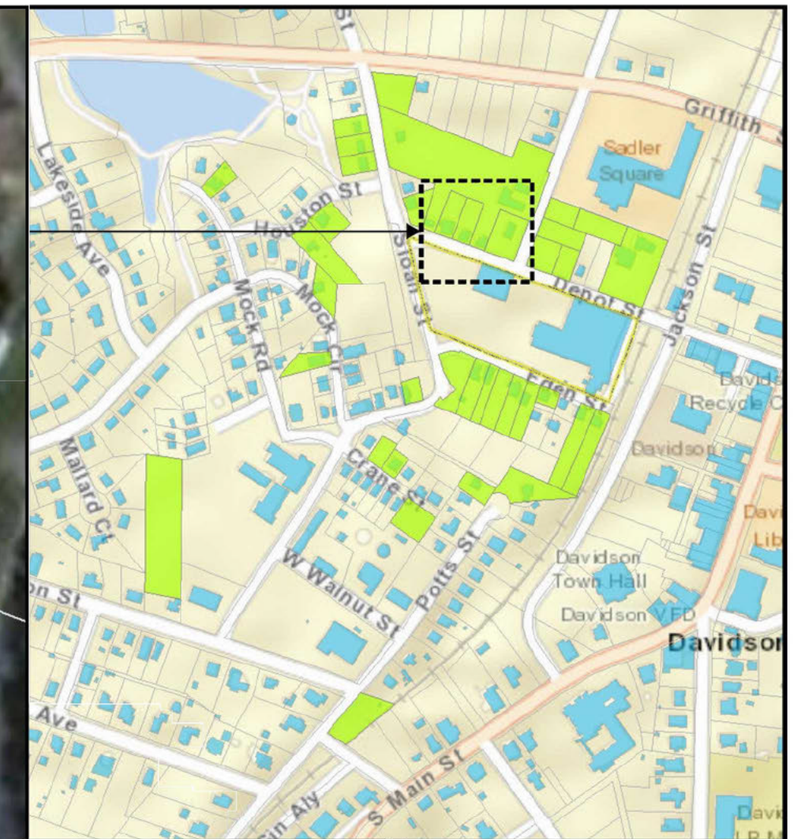
Appendices to this report include:
1. Figure of removal area and air sampling locations
2. Table of air sampling results
3. Photographic log of removal activities

APPENDIX 1

FIGURE

(One Page)





Legend

- Air Sample
- Removal Area
- Parcel Boundary
- Approximate Site Boundary

Inset Map

- *Parcels with Removal Activities*
- Building/Structure

310 & 314 Depot Street

N
W E
S

0 25 50
Feet

Map Sources:
Aerial Imagery, Bing Maps, 2012-2014;
Parcels, http://maps.co.mecklenburg.nc.us

United States
Environmental Protection Agency
Region 4

FIGURE 1

Removal Areas and
Air Sampling Locations

TDD Name: Davidson Asbestos

TDD No.: TT-01-071

City: Davidson **County:** Mecklenburg **State:** North Carolina

TETRA TECH

Date: 9/21/2017

Analyst: dale.vonbusch

File: C:\TT-01-071_Davidson_Asbestos\mxd\acm_working_mapbook_v3.mxd

APPENDIX 2

SUMMARY TABLE OF ANALYTICAL RESULTS

(Two Pages)

APPENDIX 3

PHOTOGRAPHIC LOG

(Six Pages)

TABLE 1
TRANSMISSION ELECTRON MICROSCOPY RESULTS
DAVIDSON ASBESTOS
DAVIDSON, MECKLENBURG COUNTY, NORTH CAROLINA

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	PCM Results (f/cc)	Asbestos Fibers Detected	TEM Results in PCME (f/cc)
							Initial	Final	Average				
DA-314DS-AA-L01-060117	314 Depot Street - Location 1	AA	G4	8:24	15:08	404	10.58	10.26	10.42	4209.7	0.0021	0	<0.0021
DA-314DS-AA-L02-060117	314 Depot Street - Location 2	AA	G3	8:20	15:04	404	10.58	10.50	10.54	4258.2	0.00069	1*	<0.0009
DA-314DS-AA-L03-060117	314 Depot Street - Location 3	AA	G6	8:17	15:00	403	10.58	10.30	10.44	4207.3	0.0016	0	<0.00053
DA-314DS-AA-L04-060117	314 Depot Street - Location 4	AA	G5	8:35	15:11	396	10.64	10.43	10.54	4171.9	0.0013	0	<0.00065

* Analytical results for sample DA-314DS-AA-L02-060117 detected 1 chrysotile asbestos fiber. Analytical results were below the 0.001 f/cc action level.

Notes:

<: Less than
AA: Area air sampling
DA: Davidson Asbestos
DS: Depot Street
f/cc: Fibers per cubic centimeter
Id: Identification
l: Liters
lpm: Liters per minute
Min: Minutes
PCM: Phase contrast microscopy
PCME: Phase contrast microscopy equivalent
TEM: Transmission electron microscopy

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	South	**Date:**	June 1, 2017
Photographer:	Paul Prys, Tetra Tech, Inc. (Tetra Tech)	**Witness:**	None

Subject: The Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), used an excavator and hand tools to remove asbestos-containing materials (ACM) and asbestos-contaminated soil from the property located at 310 Depot Street. ER water hoses to wet the asbestos-contaminated soil during removal activities.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 1, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER used an excavator and hand tools to remove ACM and asbestos-contaminated soil from the property located at 314 Depot Street. ER used hoses to wet the asbestos-contaminated soil during removal activities.

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

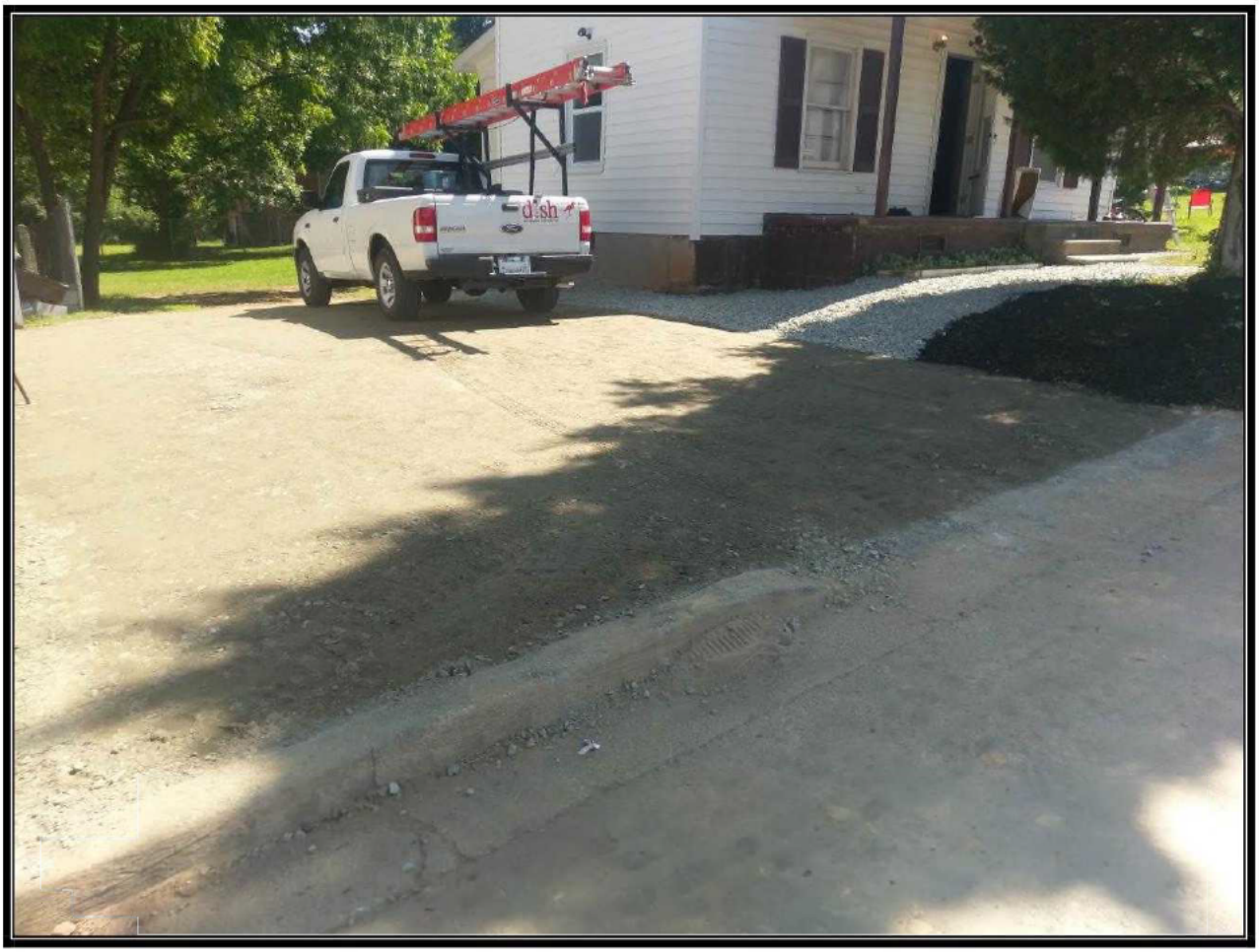
TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	East	**Date:**	June 1, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: Perimeter air sampling was conducted by a Tetra Tech START, State of North Carolina-accredited air monitor to evaluate the effectiveness of engineering and safety controls in preventing off-site migration of asbestos fibers during removal activities.

OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	South	**Date:**	June 1, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

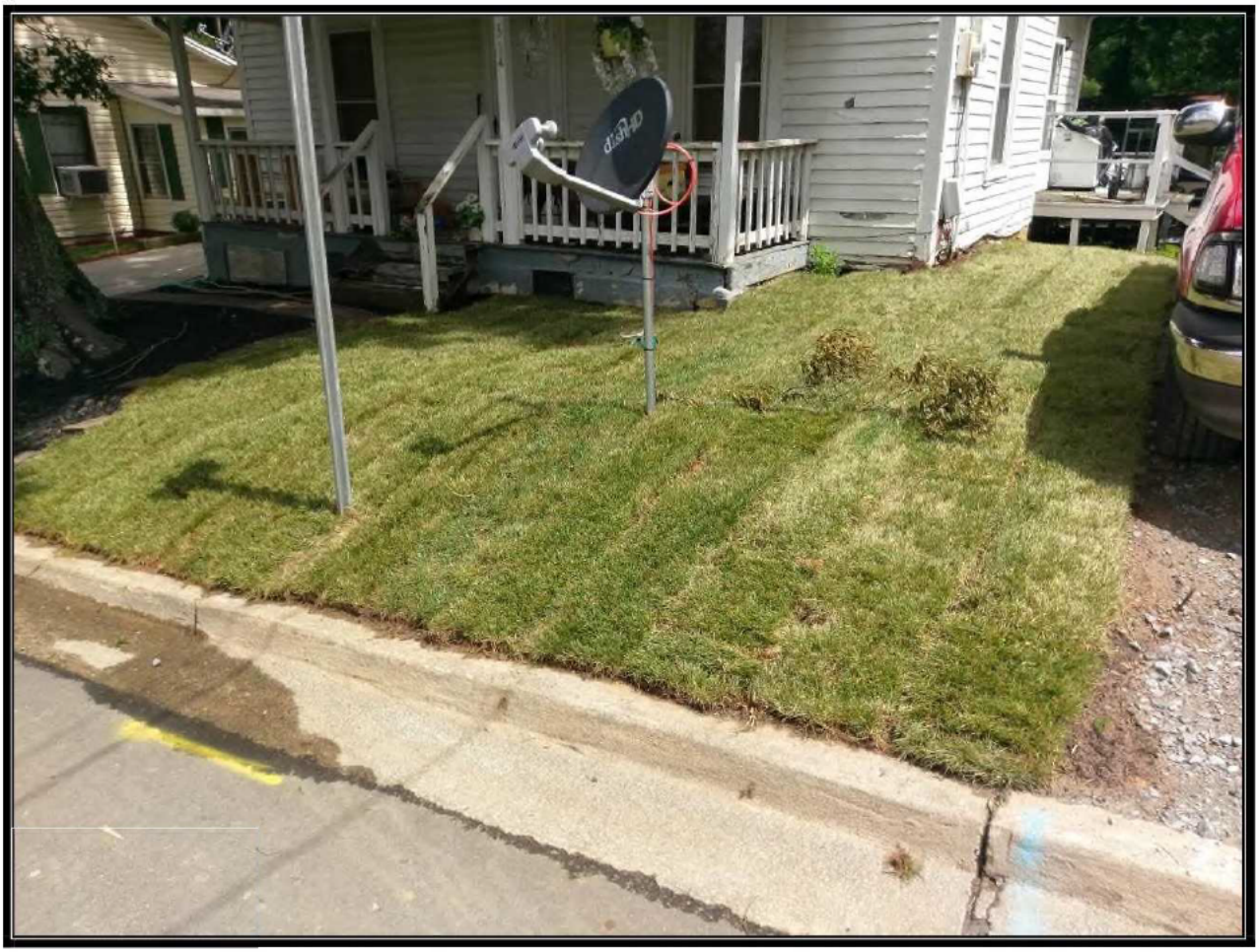
Subject: ER installed snow fencing along the subsurface of the excavated driveway area at 310 Depot Street after the inspection conducted by Tetra Tech START, State of North Carolina-accredited asbestos inspector and air monitordetected no visible ACM in the excavated area.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 2, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER installed backfill in the excavated driveway, two separate types of rock between the driveway and along the southern and western drip lines, and topsoil and mulch under the tree line of 310 Depot Street.



OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TT-01-071	**Location:**	Davidson Asbestos
Orientation:	Northwest	**Date:**	June 5, 2017
Photographer:	Paul Prys, Tetra Tech	**Witness:**	None

Subject: ER installed topsoil and sod along the eastern side and southern yard and topsoil and mulch under the tree line of 314 Depot Street.