

REDACTED

LB00019

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 12/11/12 - 12/14/12

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b)	(6)	_____, Team Leader
(b)	(6)	URS
(b)	(6)	URS
(b)	(6)	AEROSTAR
(b)	(6)	OTIE
(b)	(6)	_____
(b)	(6)	_____

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(b) (6)

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq $\frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SEDS FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SEDS FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The *station ID* for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The *sample ID* for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

(b) (6)

ADDRESS

PROPERTY ID: CV-0555

DATE: 12/11/12

ARRIVAL TIME: 0850

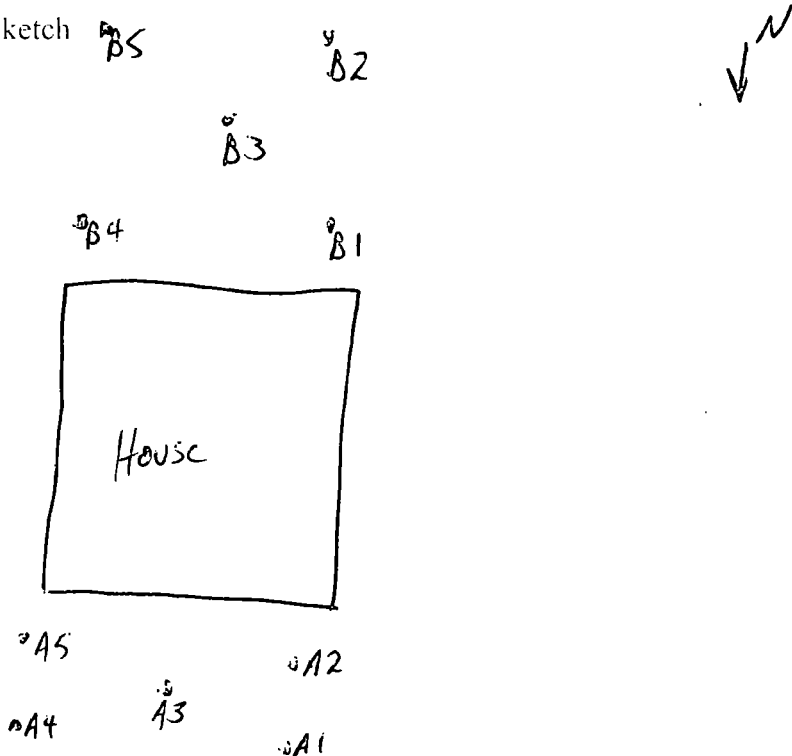
Other pertinent information (weather conditions, etc.):

Overcast, upper 30s

PROPERTY COMMENTS:

Property fenced in, with house and backyard

Grid for property sketch



(b) (6)

(b) (6)

STATION ID:

SAMPLE ID: CV-0559A-CS

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: 018595		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: 33.55659583	N Longitude: 86.79845724	W	
Media description: Dark brown silty soil, wet, some debris			
Aliquot #2: Latitude: 33.55659047	N Longitude: 86.79850055	W	
Media description: Dark brown silty soil, wet, some debris			
Aliquot #3: Latitude: 33.55654563	N Longitude: 86.79846645	W	
Media description: Dark brown silty soil, wet, some debris			
Aliquot #4: Latitude: 33.55651725	N Longitude: 86.79848557	W	
Media description: Dark brown silty soil, wet, some debris			
Aliquot #5: Latitude: 33.55652770	N Longitude: 86.79846377	W	
Media description: Dark brown silty soil, wet, some debris			

STATION ID: 3326 34th ST

SAMPLE ID: CV-0555B-CS

SAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #: 018595		Logged? Y or N	
Aliquot #1: Latitude: 33.55658524	N Longitude: 86.79870494	W	
Media description: Dark brown silty soil, wet, with some debris			
Aliquot #2: Latitude: 33.55656858	N Longitude: 86.79886212	W	
Media description: Dark brown silty soil, wet, with some debris			
Aliquot #3: Latitude: 33.55654698	N Longitude: 86.79577902	W	
Media description: Dark brown silty soil, wet, with some debris			
Aliquot #4: Latitude: 33.55650284	N Longitude: 86.79886002	W	
Media description: Dark brown silty soil, wet, with some debris			
Aliquot #5: Latitude: 33.55649939	N Longitude: 86.79869351	W	
Media description: Dark brown silty soil, wet, with some debris			

ADDRESS: **(b) (6)** PROPERTY ID: CV-0505

DATE: 12/11/17 ARRIVAL TIME: 0945

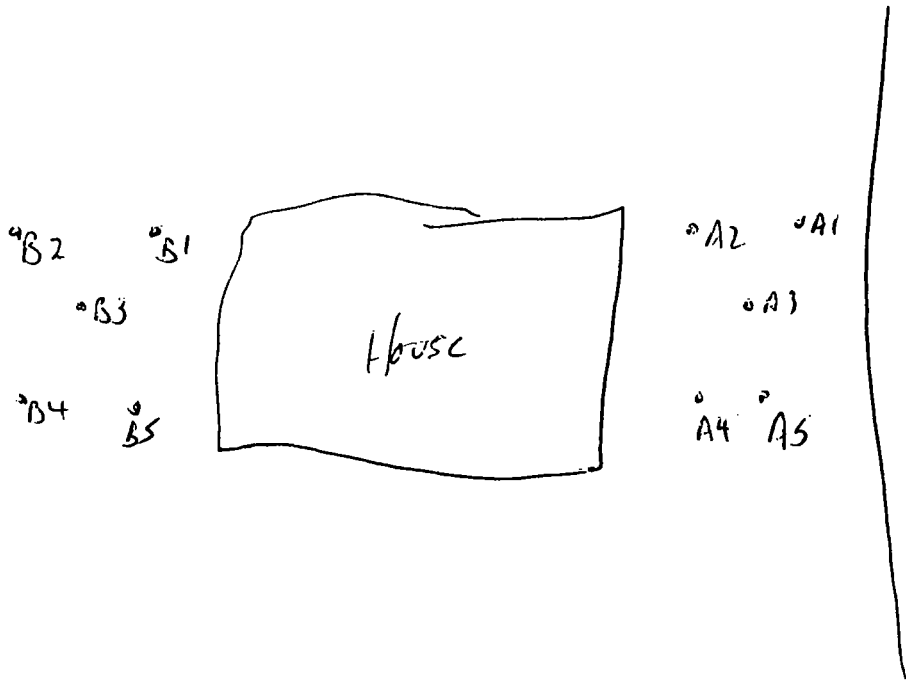
Other pertinent information (weather conditions, etc.):

Overcast, upper 30s

PROPERTY COMMENTS:

One house with dog in yard

Grid for property sketch



(b) (6)

STATION ID: _____ SAMPLE ID: CV-0565A-CS

SAMPLE COLLECTION TIME: 1000

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: (Composite) or Grab MS/MSD? Y or (N)

Field Duplicate or Split: Yes or (No) If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018565</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: <u>33.55779348</u> N Longitude <u>86.79846626</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #2: Latitude: <u>33.55778396</u> N Longitude <u>86.79851008</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #3: Latitude: <u>33.55775386</u> N Longitude <u>86.79847779</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #4: Latitude: <u>33.55771903</u> N Longitude <u>86.79850422</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #5: Latitude: <u>33.55772155</u> N Longitude <u>86.79846829</u> W Media description: <u>DARK BROWN damp silty soil</u>

STATION ID: 3368 34th Street SAMPLE ID: CV-0565B-CS

SAMPLE COLLECTION TIME: 1015

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

~~FRONT~~ BACK Yard

Collection: (Composite) or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or (No) If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018565</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: <u>33.55782200</u> N Longitude <u>86.79875899</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #2: Latitude: <u>33.55779862</u> N Longitude <u>86.79886576</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #3: Latitude: <u>33.55777632</u> N Longitude <u>86.79880481</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #4: Latitude: <u>33.55773846</u> N Longitude <u>86.79888345</u> W Media description: <u>DARK BROWN damp silty soil</u>
Aliquot #5: Latitude: <u>33.55775953</u> N Longitude <u>86.79874001</u> W Media description: <u>DARK BROWN damp silty soil</u>

ADDRESS: **(b) (6)**

PROPERTY ID: CV0570

DATE: 12/11/12

ARRIVAL TIME: 1050

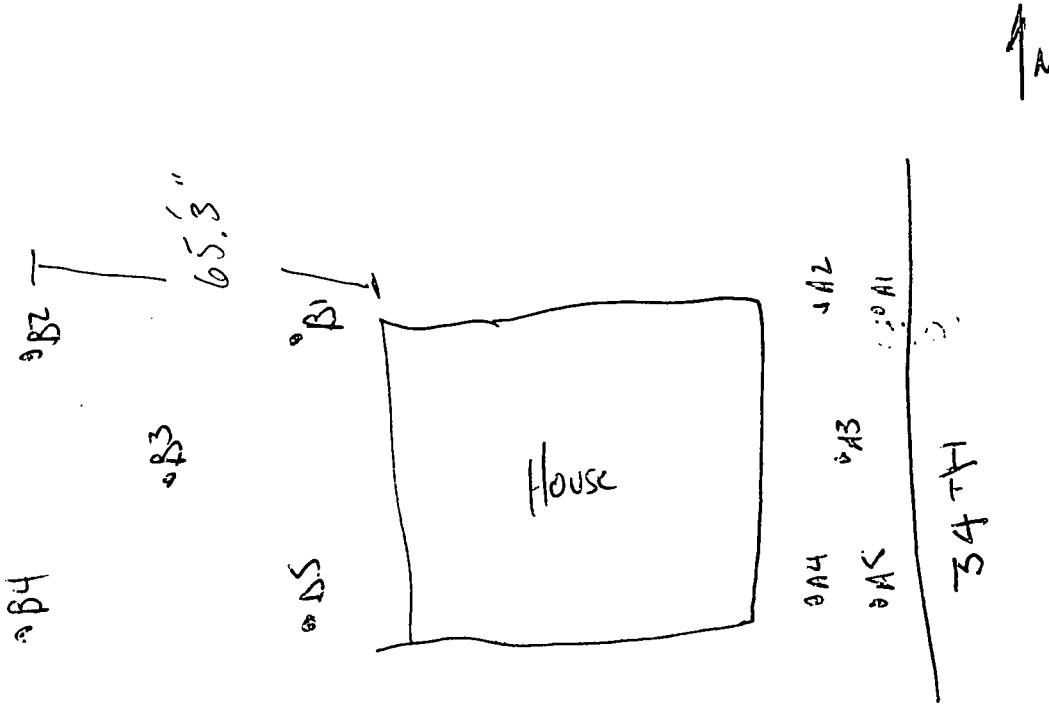
Other pertinent information (weather conditions, etc.):

Overcast, Low 40s

PROPERTY COMMENTS:

House with carport in back yard

Grid for property sketch



(b) (6)

STATION ID: _____ SAMPLE ID: CV-0570A-CS

SAMPLE COLLECTION TIME: 1110

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: 018595 Logged? or N

Aliquot #1: Latitude: 33.55843745 N Longitude 86.79846263 W
Media description: Brown sandy soil, damp, some gravelly debris

Aliquot #2: Latitude: 33.55843172 N Longitude 86.79851013 W
Media description: Brown sandy soil, damp some gravelly debris

Aliquot #3: Latitude: 33.55839319 N Longitude 86.79849058 W
Media description: Brown sandy damp soil, some gravelly debris

Aliquot #4: Latitude: 33.55836370 N Longitude 86.79850672 W
Media description: Brown sandy damp soil, some gravelly debris

Aliquot #5: Latitude: 33.55836285 N Longitude 86.79845831 W
Media description: Brown sandy damp soil, some gravelly debris

STATION ID: 3388 34th Street SAMPLE ID: CV-0510B

SAMPLE COLLECTION TIME: 1120

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: 018595 Logged? or N

Aliquot #1: Latitude: 33.55843091 N Longitude 86.79866830 W
Media description: Dark brown damp silty soil, some debris

Aliquot #2: Latitude: 33.55843548 N Longitude 86.79888185 W
Media description: ~~33.55843548~~ Dark brown damp silty soil, some debris

Aliquot #3: Latitude: 33.55838035 N Longitude 86.79878271 W
Media description: Dark brown damp silty soil, some debris

Aliquot #4: Latitude: 33.55836647 N Longitude 86.79891778 W
Media description: Dark brown damp silty soil, some debris

Aliquot #5: Latitude: 33.55833004 N Longitude 86.79870938 W
Media description: Dark brown damp silty soil, some debris

(b) (6)

ADDRESS: _____

PROPERTY ID: _____

0222
HP-0110

DATE: _____

12/11/12

ARRIVAL TIME: _____

1300

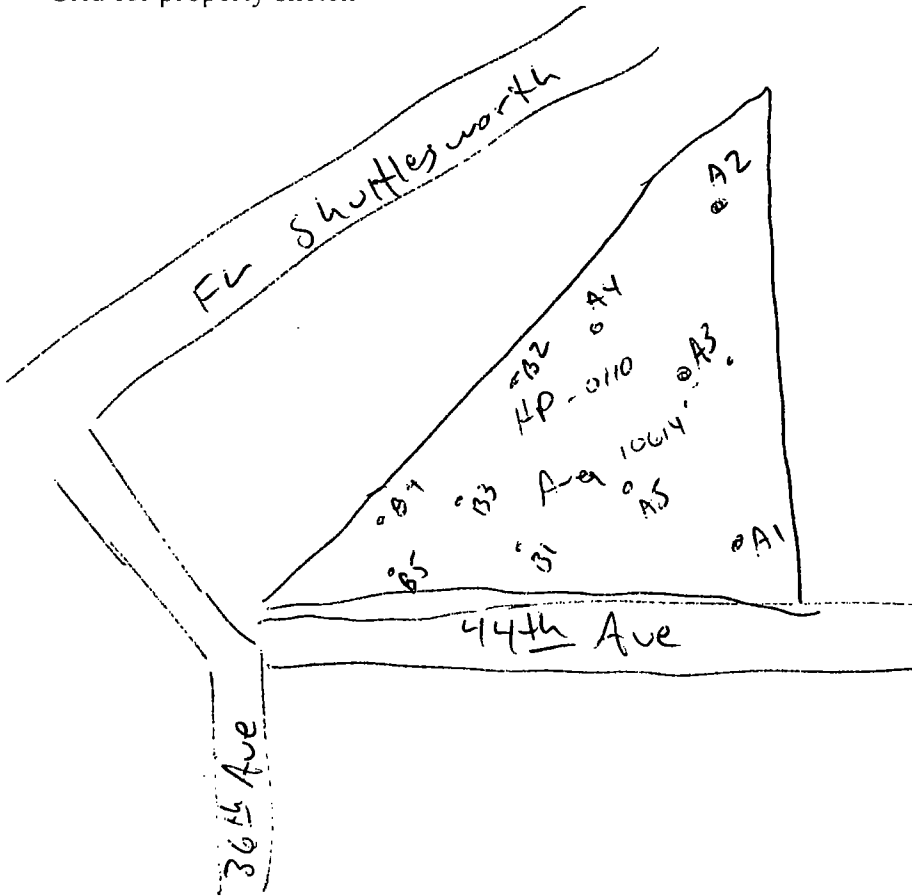
Other pertinent information (weather conditions, etc.):

overcast, lt. wind ~ 40° F

PROPERTY COMMENTS:

Uncont lot

Grid for property sketch



(b) (6)

0222

STATION ID: _____

SAMPLE ID: HP-~~410~~A-CS

SAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Open lot, no structure, east end of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56677263</u>	N Longitude: <u>86.79285578</u>	W	
Media description: <u>Dark brn, silty soil w/ coal frag & slag</u>			
Aliquot #2 Latitude: <u>33.56701523</u>	N Longitude: <u>86.79285505</u>	W	
Media description: <u>same</u>			
Aliquot #3: Latitude: <u>33.56688362</u>	N Longitude: <u>86.79288558</u>	W	
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.56690141</u>	N Longitude: <u>86.79287831</u>	W	
Media description: <u>same</u>			
Aliquot #5: Latitude: <u>33.56678347</u>	N Longitude: <u>86.79292501</u>	W	
Media description: _____			

(b) (6)

0222

STATION ID: _____

SAMPLE ID: HP-~~410~~B-CS

SAMPLE COLLECTION TIME: 1350

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

western East end of vacant lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56675228</u>	N Longitude: <u>86.79290952</u>	W	
Media description: <u>DK brn, silty soil w/ coal frag - slag</u>			
Aliquot #2 Latitude: <u>33.56689642</u>	N Longitude: <u>86.79300130</u>	W	
Media description: <u>same</u>			
Aliquot #3: Latitude: <u>33.56680686</u>	N Longitude: <u>86.79304492</u>	W	
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.56684849</u>	N Longitude: <u>86.79309934</u>	W	
Media description: <u>clay, lt brown</u>			
Aliquot #5: Latitude: <u>33.56676765</u>	N Longitude: <u>86.79314099</u>	W	
Media description: <u>DK brn, silty soil w/ coal frag - slag</u>			

ADDRESS: **(b) (6)** PROPERTY ID: HP-0270

DATE: 12/11/12 ARRIVAL TIME: 1400

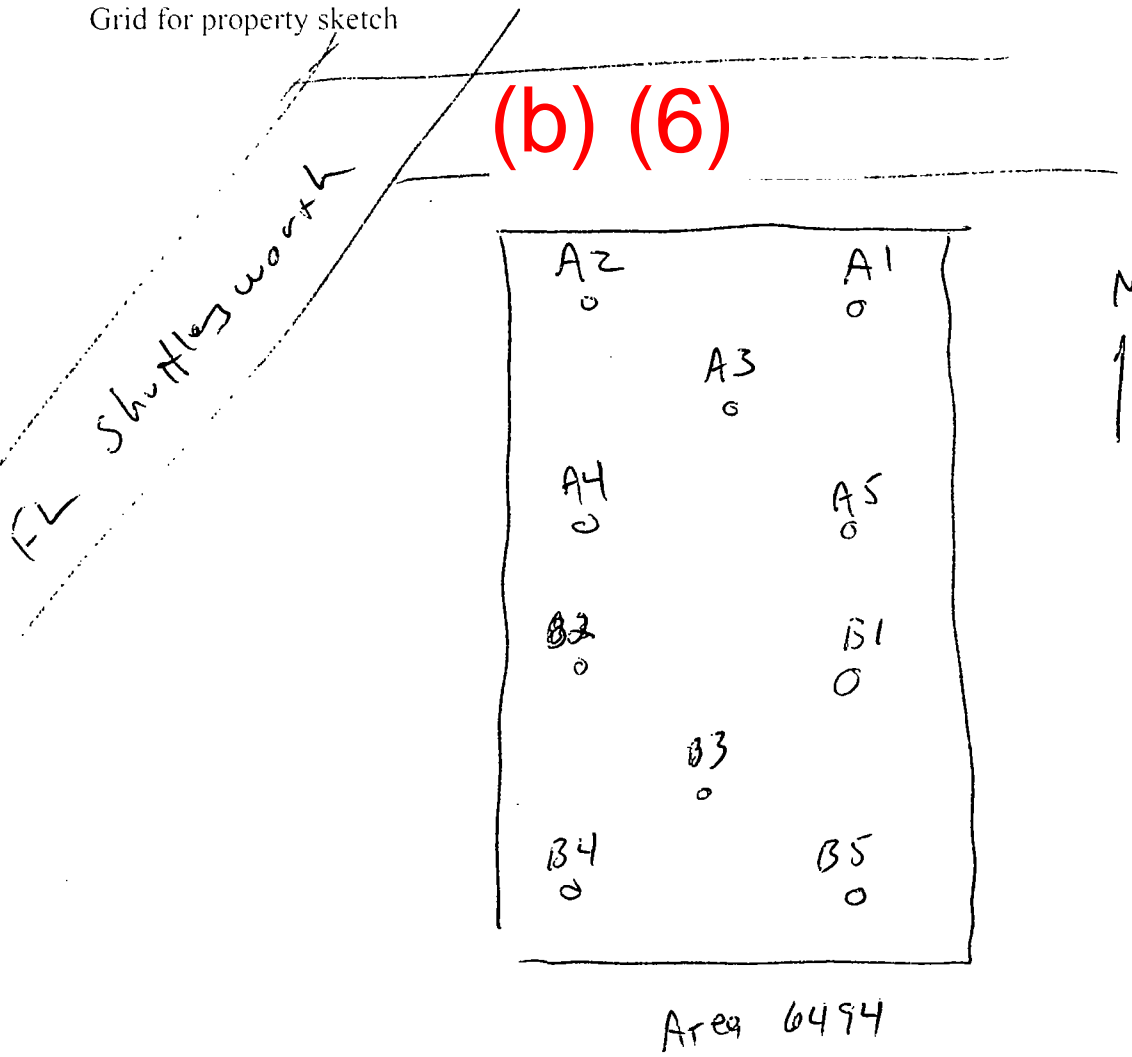
Other pertinent information (weather conditions, etc.):

Overcast, light breeze, ~40°

PROPERTY COMMENTS:

Vacant lot

Grid for property sketch



STATION ID: (b) (6) SAMPLE ID: HP-0270A-CS

SAMPLE COLLECTION TIME: 1425

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

North end of vacant lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56751582</u> N Longitude: <u>86.79232324</u> W Media description: <u>Brn silty soil</u>
Aliquot #2: Latitude: <u>33.56752793</u> N Longitude: <u>86.79243075</u> W Media description: <u>same</u>
Aliquot #3: Latitude: <u>33.56745819</u> N Longitude: <u>86.79238001</u> W Media description: <u>same</u>
Aliquot #4: Latitude: <u>33.56738434</u> N Longitude: <u>86.79245536</u> W Media description: <u>same</u>
Aliquot #5: Latitude: <u>33.56737351</u> N Longitude: <u>86.79232742</u> W Media description: <u>same</u>

STATION ID: (b) (6) SAMPLE ID: HP-0270B-CS

SAMPLE COLLECTION TIME: 1430

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

South end of vacant lot

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56732224</u> N Longitude: <u>86.79231352</u> W Media description: <u>Brn silty soil</u>
Aliquot #2: Latitude: <u>33.56734833</u> N Longitude: <u>86.79244583</u> W Media description: <u>same</u>
Aliquot #3: Latitude: <u>33.56724494</u> N Longitude: <u>86.79239723</u> W Media description: <u>same</u>
Aliquot #4: Latitude: <u>33.56716354</u> N Longitude: <u>86.79248086</u> W Media description: <u>same</u>
Aliquot #5: Latitude: <u>33.56718045</u> N Longitude: <u>86.79233070</u> W Media description: <u>same</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0426

DATE: 12/11/12 ARRIVAL TIME: 1500

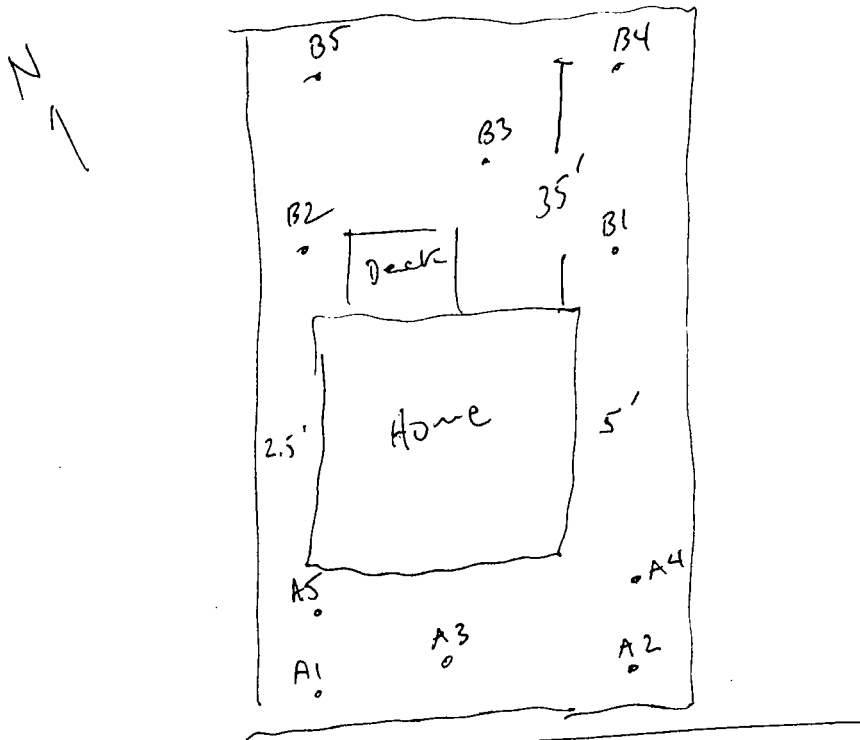
Other pertinent information (weather conditions, etc.):

Cloudy, lt. breeze ~ 35° F

PROPERTY COMMENTS:

Single story, side yard too narrow for
collection of sample

Grid for property sketch



(b) (6)

(b) (6)

STATION ID: _____

SAMPLE ID: _____

CV-0426A-CS

SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u>		Logged? <input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33.55945454</u>	N Longitude	<u>86.79955393</u>	W
Media description: <u>Drk brn, silty soil, moist</u>			
Aliquot #2: Latitude: <u>33.55940866</u>	N Longitude	<u>86.79955393</u>	W
Media description: <u>same</u>			
Aliquot #3: Latitude: <u>33.55944202</u>	N Longitude	<u>86.79958813</u>	W
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.55943341</u>	N Longitude	<u>86.79951597</u>	W
Media description: <u>same</u>			
Aliquot #5: Latitude: <u>33.55949573</u>	N Longitude	<u>86.79960609</u>	W
Media description: <u>same</u>			

STATION ID: _____

SAMPLE ID: _____

CV-0426B-CS

SAMPLE COLLECTION TIME: 1525

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018595</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55953381</u>	N Longitude	<u>86.79943620</u>	W
Media description: <u>Drk brn, silty soil, moist</u>			
Aliquot #2: Latitude: <u>33.55957650</u>	N Longitude	<u>86.79950291</u>	W
Media description: <u>same</u>			
Aliquot #3: Latitude: <u>33.55959777</u>	N Longitude	<u>86.79942836</u>	W
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.55961008</u>	N Longitude	<u>86.79934969</u>	W
Media description: <u>same</u>			
Aliquot #5: Latitude: <u>33.55966037</u>	N Longitude	<u>86.79942144</u>	W
Media description: <u>same</u>			

ADDRESS (b) (6)

PROPERTY ID: CV0511

DATE: 12/13/12 ARRIVAL TIME: 0830

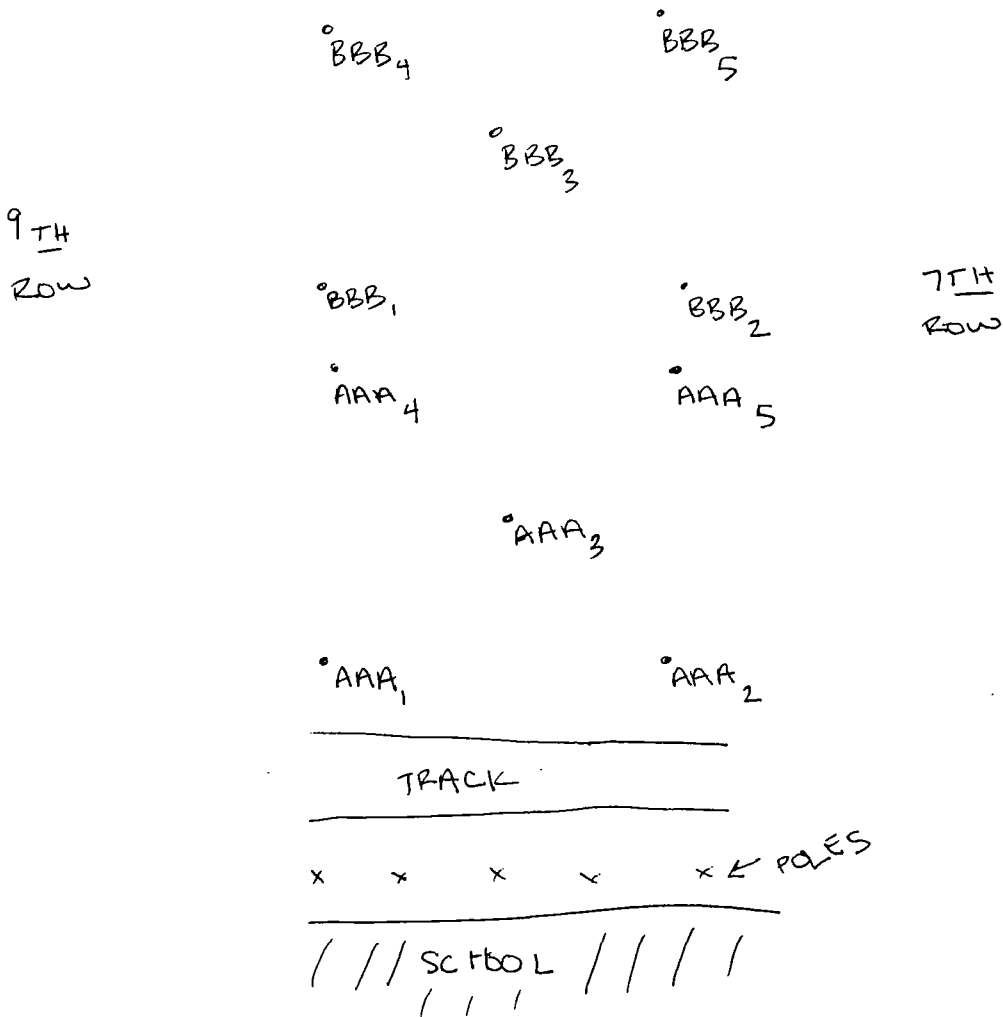
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, NO WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511AAA-CS

SAMPLE COLLECTION TIME: 1334

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab

MS/MSD? Y or (N)

Field Duplicate or Split: Yes or (No) If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: 33.55790924840 N Longitude 86.79799452280 W

Media description: REDISH - BROWN DAMP SANDY SOIL

Aliquot #2 Latitude: 33.55790814080 N Longitude 86.79783012470 W

Media description: REDISH - BROWN DAMP SANDY SOIL

Aliquot #3: Latitude: 33.55798647850 N Longitude 86.79790739430 W

Media description: REDISH - BROWN DAMP SANDY SOIL

Aliquot #4: Latitude: 33.55804992780 N Longitude 86.79798820910 W

Media description: REDISH BROWN DAMP SANDY SOIL

Aliquot #5: Latitude: 33.55805095610 N Longitude 86.79782324230 W

Media description: REDISH - BROWN DAMP SANDY SOIL

STATION ID: CV0511 SAMPLE ID: CV0511BBB-CS

SAMPLE COLLECTION TIME: 1333

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab

MS/MSD? Y or (N)

Field Duplicate or Split: (Yes) or ~~(X)~~ If yes, indicate Duplicate/split sample station ID: CV0511BBB-CSD

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: 33.55810688140 N Longitude 86.79798498290 W

Media description: DARK BROWN SANDY SOIL

Aliquot #2 Latitude: 33.55810341590 N Longitude 86.79782330030 W

Media description: DARK BROWN SANDY SOIL

Aliquot #3: Latitude: 33.55817104910 N Longitude 86.79790319150 W

Media description: DARK BROWN SANDY SOIL

Aliquot #4: Latitude: 33.55824096940 N Longitude 86.79798082570 W

Media description: DARK BROWN SANDY SOIL

Aliquot #5: Latitude: 33.55824467490 N Longitude 86.79781970750 W

Media description: DARK BROWN SANDY SOIL

(b) (6)

ADDRESS:

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

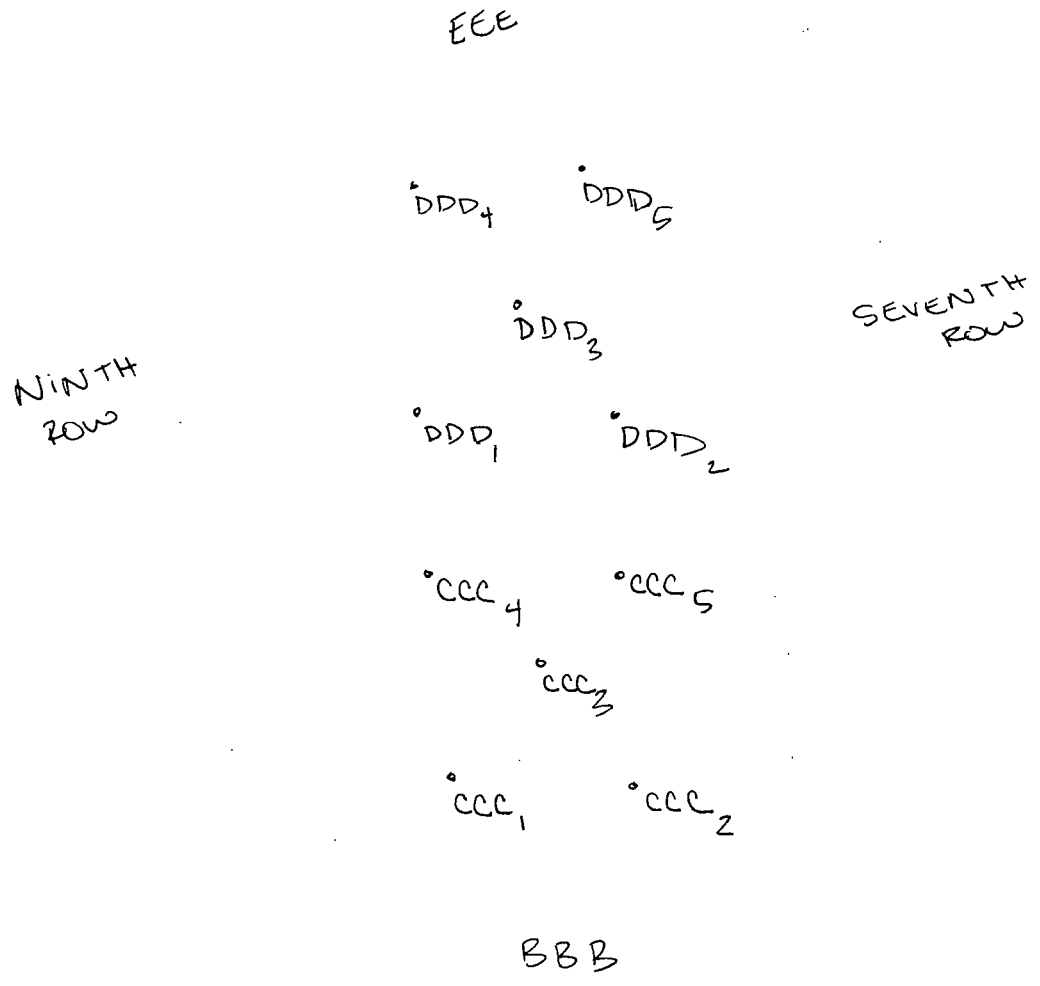
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, SLIGHT WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511

SAMPLE ID: CV0511ADGS

SAMPLE COLLECTION TIME: 1330

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NORTH OF SAMPLE ZZZ - SEE PAGE 65 of LOG BOOK

Collection: Composite or Grab

MS/MSD? Y or N

from
12/13/12

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55934193920</u>	N Longitude	<u>86.79720147360</u>	W
Media description: <u>BLACK SILTY SOIL WITH HIGH MOISTURE</u>			
Aliquot #2: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude	_____	W
Media description: _____			

STATION ID: CV0511

SAMPLE ID: CV0511BBB-CSD

SAMPLE COLLECTION TIME: 1333

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHT ROW

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or ~~No~~ If yes, indicate Duplicate/split sample station ID: CV0511BBB-CS

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55810488140</u>	N Longitude	<u>86.79798498290</u>	W
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #2: Latitude: <u>33.55810341590</u>	N Longitude	<u>86.79782330030</u>	W
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #3: Latitude: <u>33.55817104910</u>	N Longitude	<u>86.79790319150</u>	W
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #4: Latitude: <u>33.55824096940</u>	N Longitude	<u>86.79798082520</u>	W
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #5: Latitude: <u>33.55824467490</u>	N Longitude	<u>86.79781970750</u>	W
Media description: <u>DARK BROWN SANDY SOIL</u>			

(b) (6)

ADDRESS:

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

CLEAR SKIES, SLIGHT WIND, 43°F

PROPERTY COMMENTS:

SEE PAGE 20

Grid for property sketch

SEE PAGE 20

STATION ID: CV0511 SAMPLE ID: CV0511 CCC - CS

SAMPLE COLLECTION TIME: 1334

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: <u>33.55829255810</u> N Longitude <u>86.79798032620</u> W	
Media description: <u>DARK BROWN SANDY - SILTY SOIL</u>	
Aliquot #2 Latitude: <u>33.55829370880</u> N Longitude <u>86.79781813180</u> W	
Media description: <u>DARK BROWN SANDY - SILTY SOIL</u>	
Aliquot #3: Latitude: <u>33.55836121550</u> N Longitude <u>86.79789927080</u> W	
Media description: <u>DARK BROWN SANDY - SILTY SOIL</u>	
Aliquot #4: Latitude: <u>33.55843190950</u> N Longitude <u>86.79797822970</u> W	
Media description: <u>DARK BROWN SANDY - SILTY SOIL</u>	
Aliquot #5: Latitude: <u>33.55842826650</u> N Longitude <u>86.79781853010</u> W	
Media description: <u>DARK BROWN SANDY - SILTY SOIL</u>	

STATION ID: CV0511 SAMPLE ID: CV0511 DDD - CS

SAMPLE COLLECTION TIME: 1357

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: <u>33.55849152210</u> N Longitude <u>86.79798107040</u> W	
Media description: <u>BROWN DAMP SOIL - SANDY</u>	
Aliquot #2 Latitude: <u>33.55849042290</u> N Longitude <u>86.79781601310</u> W	
Media description: <u>BROWN DAMP SOIL - SANDY</u>	
Aliquot #3: Latitude: <u>33.55855498950</u> N Longitude <u>86.79789417630</u> W	
Media description: <u>BROWN DAMP SOIL - SANDY</u>	
Aliquot #4: Latitude: <u>33.55861609580</u> N Longitude <u>86.79798023590</u> W	
Media description: <u>BROWN DAMP SOIL - SANDY</u>	
Aliquot #5: Latitude: <u>33.55862210740</u> N Longitude <u>86.79781975270</u> W	
Media description: <u>BROWN DAMP SOIL - SANDY</u>	

(b) (6)

ADDRESS:

PROPERTY ID: CW0511

DATE: 12/13/12

ARRIVAL TIME: 0830

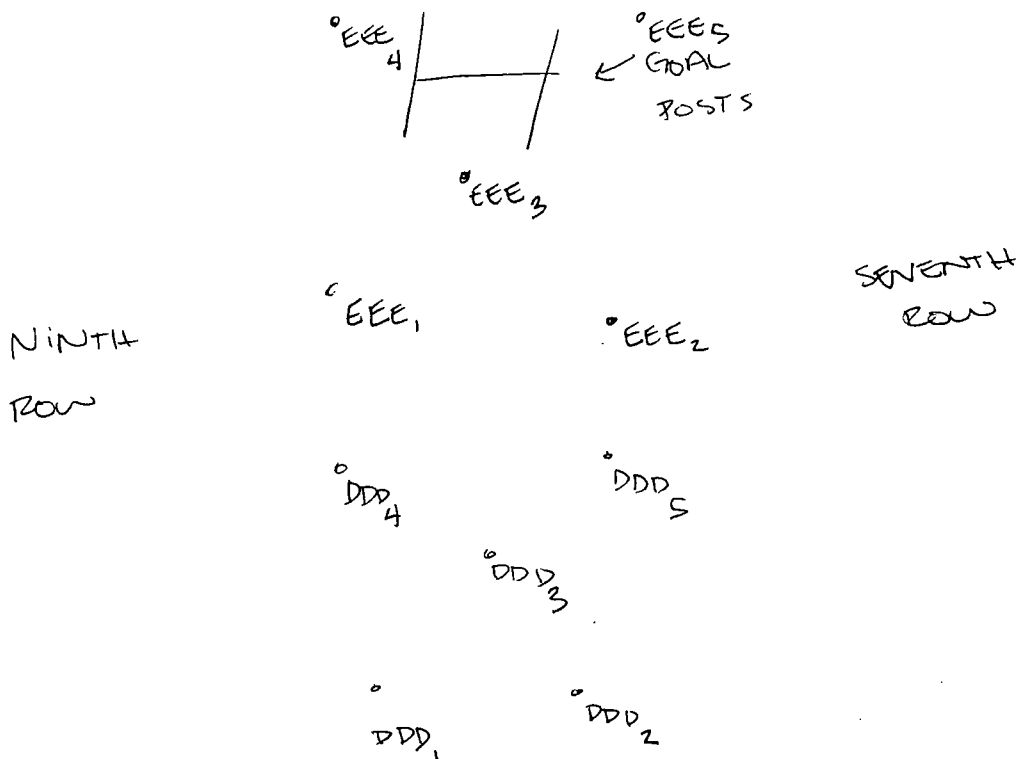
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, NO WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511EEE-CS

SAMPLE COLLECTION TIME: 1400

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
BACK AREA- EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55868165830</u>	N Longitude <u>86.79798177480</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #2 Latitude: <u>33.55867859920</u>	N Longitude <u>86.79782077930</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #3: Latitude: <u>33.55875100270</u>	N Longitude <u>86.79789609630</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #4: Latitude: <u>33.55881317020</u>	N Longitude <u>86.79797908430</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #5: Latitude: <u>33.55881125340</u>	N Longitude <u>86.79781669270</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			

STATION ID: CV0511 SAMPLE ID: CV0511DDD-CS

SAMPLE COLLECTION TIME: 1357

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
BACK AREA- EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: _____	N Longitude _____	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #2 Latitude: _____	N Longitude _____	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #3: Latitude: _____	N Longitude _____	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #4: Latitude: _____	N Longitude _____	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #5: Latitude: _____	N Longitude _____	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			

ACCIDENTLY RECORDED "DDD" TWICE

ADDRESS (b) (6)

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

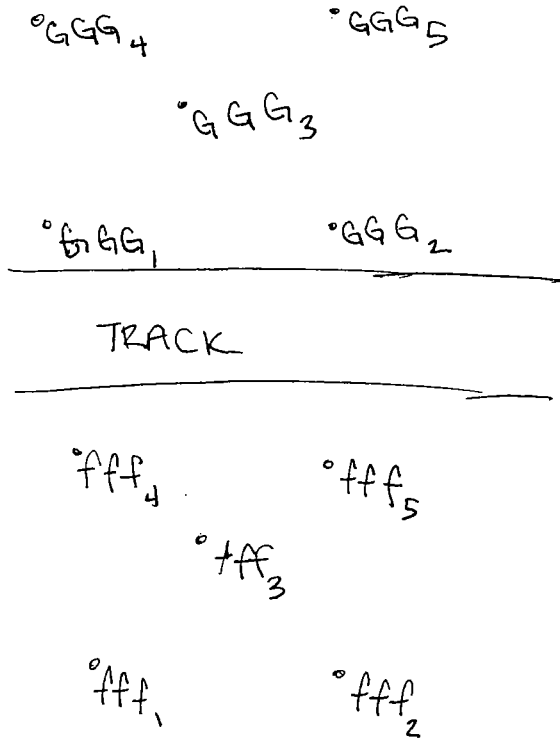
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, NO WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511FAF-CS

SAMPLE COLLECTION TIME: 1402

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55886468040</u>	N Longitude: <u>86.79797699900</u>	W	
Media description: <u>DARK BROWN SANDY DAMP WET SOIL</u>			
Aliquot #2: Latitude: <u>33.55886902980</u>	N Longitude: <u>86.79781529770</u>	W	
Media description: <u>DARK BROWN SANDY DAMP SOIL</u>			
Aliquot #3: Latitude: <u>33.55892763540</u>	N Longitude: <u>86.79789062420</u>	W	
Media description: <u>DARK BROWN SANDY DAMP SOIL</u>			
Aliquot #4: Latitude: <u>33.55898411730</u>	N Longitude: <u>86.79797228530</u>	W	
Media description: <u>DARK BROWN SANDY DAMP SOIL</u>			
Aliquot #5: Latitude: <u>33.55899061680</u>	N Longitude: <u>86.79781383120</u>	W	
Media description: <u>DARK BROWN SANDY DAMP SOIL</u>			

STATION ID: CV0511 SAMPLE ID: CV0511EGG-CS

SAMPLE COLLECTION TIME: 1434

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - EIGHTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55906101860</u>	N Longitude: <u>86.79798474410</u>	W	
Media description: <u>MEDIUM BROWN SILTY SOIL - WET</u>			
Aliquot #2: Latitude: <u>33.55905999610</u>	N Longitude: <u>86.79785209760</u>	W	
Media description: <u>MEDIUM BROWN SILTY SOIL - WET</u>			
Aliquot #3: Latitude: <u>33.55912721200</u>	N Longitude: <u>86.79793245570</u>	W	
Media description: <u>MEDIUM BROWN SILTY SOIL - WET</u>			
Aliquot #4: Latitude: <u>33.55918290460</u>	N Longitude: <u>86.79798663370</u>	W	
Media description: <u>MEDIUM BROWN SILTY SOIL - WET</u>			
Aliquot #5: Latitude: <u>33.55921976110</u>	N Longitude: <u>86.79784616010</u>	W	
Media description: <u>MEDIUM BROWN SILTY SOIL - WET</u>			

ADDRESS: **(b) (6)** PROPERTY ID: CV0811

DATE: 12/13/12 ARRIVAL TIME: 0830

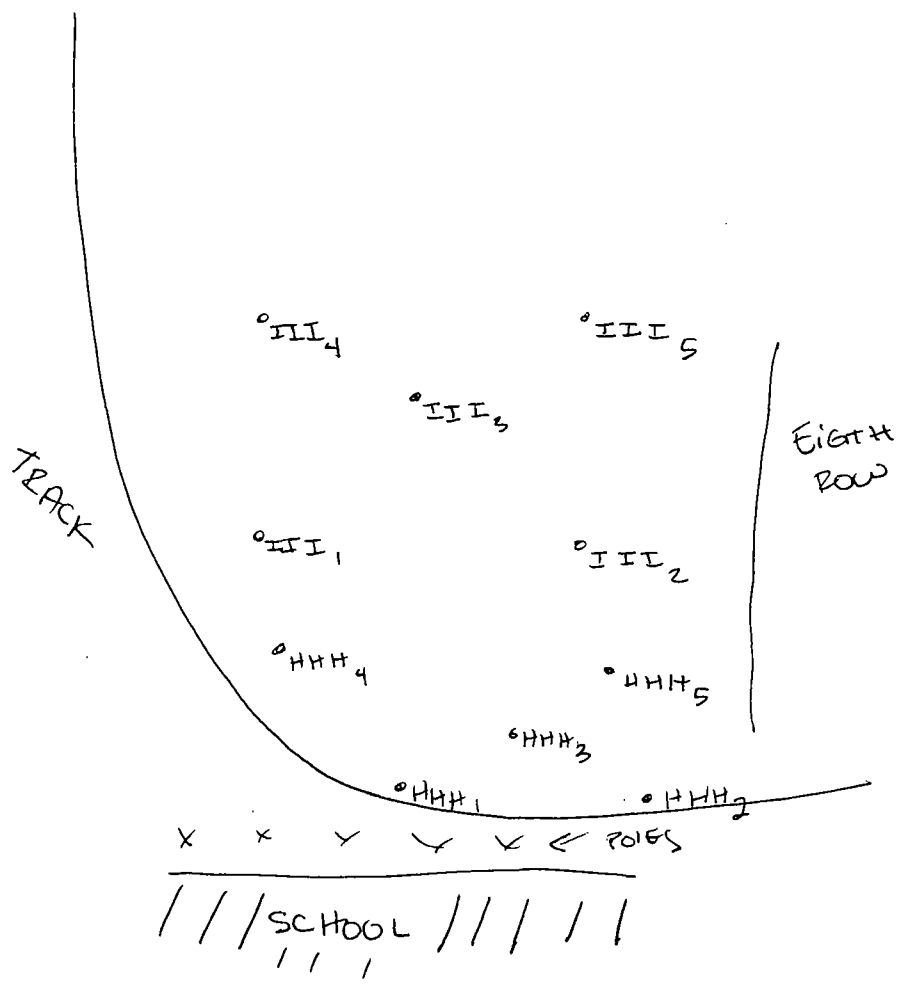
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, NO WIND 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511HHH-CS

SAMPLE COLLECTION TIME: 1433

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55791196840</u>	N Longitude: <u>86.79806104510</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #2: Latitude: <u>33.55798332140</u>	N Longitude: <u>86.79815544180</u>	W	
Media description: <u>DARK BROWN SANDY SOIL WITH GRAVEL</u>			
Aliquot #3: Latitude: <u>33.55799476920</u>	N Longitude: <u>86.79810367480</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #4: Latitude: <u>33.55805019080</u>	N Longitude: <u>86.79806274210</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #5: Latitude: <u>33.55805313940</u>	N Longitude: <u>86.79819827360</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			

STATION ID: CV0511 SAMPLE ID: CV0511III-CS

SAMPLE COLLECTION TIME: 1432

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55810709300</u>	N Longitude: <u>86.79820780030</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #2: Latitude: <u>33.55810771190</u>	N Longitude: <u>86.79809327250</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #3: Latitude: <u>33.55816667540</u>	N Longitude: <u>86.79813410880</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #4: Latitude: <u>33.55823648600</u>	N Longitude: <u>86.79821100440</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			
Aliquot #5: Latitude: <u>33.55824401530</u>	N Longitude: <u>86.79804417190</u>	W	
Media description: <u>DARK BROWN SANDY SOIL</u>			

ADDRESS: (b) (6) PROPERTY ID: CV0511

DATE: 12/13/12 ARRIVAL TIME: 0830

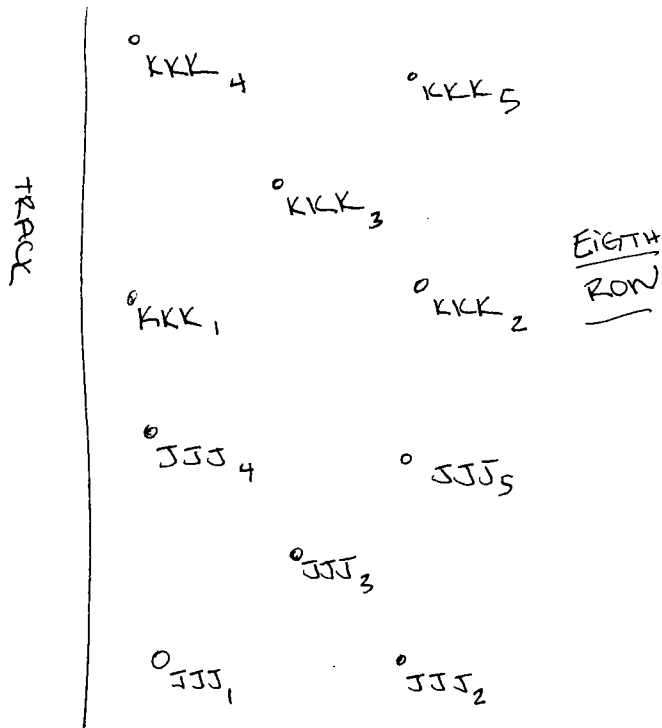
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, NO WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511JJJ-CS

SAMPLE COLLECTION TIME: 1450

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55829308060</u>	N Longitude: <u>86.79820943890</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #2 Latitude: <u>33.55829388990</u>	N Longitude: <u>86.79804570430</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #3: Latitude: <u>33.55835922070</u>	N Longitude: <u>86.79812820190</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #4: Latitude: <u>33.55842840370</u>	N Longitude: <u>86.79821024590</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #5: Latitude: <u>33.55842721060</u>	N Longitude: <u>86.79804857440</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			

STATION ID: CV0511 SAMPLE ID: CV0511KKK-CS

SAMPLE COLLECTION TIME: 1450

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55848539410</u>	N Longitude: <u>86.79820299510</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #2 Latitude: <u>33.55848126310</u>	N Longitude: <u>86.79804630260</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #3: Latitude: <u>33.55855003200</u>	N Longitude: <u>86.79812856890</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #4: Latitude: <u>33.55862271730</u>	N Longitude: <u>86.79820579480</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			
Aliquot #5: Latitude: <u>33.55862098640</u>	N Longitude: <u>86.7980425610</u>	W	
Media description: <u>DARK BROWN WET SOIL</u>			

ADDRESS (b) (6)

PROPERTY ID: CVOS11

DATE: 12/13/12

ARRIVAL TIME: 0830

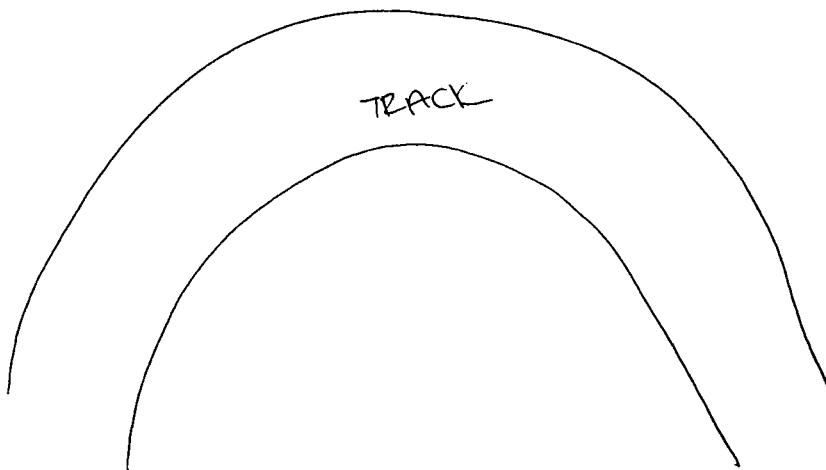
Other pertinent information (weather conditions, etc.):

CLEAR SKIES, SLIGHT WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch → FENCE
• AE - GRAB



STATION ID: CV0511 SAMPLE ID: CV0511AE-GS

SAMPLE COLLECTION TIME: 1515

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - GRAB

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55931792480</u>	N Longitude	<u>86.79793303230</u>	W
Media description: <u>SOUPY-VERY WET BLACK SANDY SOIL</u>			
Aliquot #2: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude	_____	W
Media description: _____			

STATION ID: CV0511 SAMPLE ID: CV0511TTT-GS

SAMPLE COLLECTION TIME: 1540

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SEDIMENT GRAB FROM UNDER THE WATER

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.559229</u>	N Longitude	<u>86.79848</u>	W
Media description: <u>WATER-FILLED DARK BROWN/GREEN SEDIMENT</u>			
Aliquot #2: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude	_____	W
Media description: _____			

ADDRESS: **(b) (6)**

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

CLEAR SKIES, SLIGHT WIND, 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511

SAMPLE ID: CV0511LLL-CS

SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.55867809040</u>	N Longitude <u>86.79820684890</u>	W
Media description: <u>DARK BROWN SILTY SANDY SOIL - DAMP</u>		
Aliquot #2 Latitude: <u>33.55867590430</u>	N Longitude <u>86.79804505190</u>	W
Media description: <u>DARK BROWN SILTY SANDY SOIL - DAMP</u>		
Aliquot #3: Latitude: <u>33.55874219450</u>	N Longitude <u>86.79812199910</u>	W
Media description: <u>DARK BROWN SILTY SANDY SOIL - DAMP</u>		
Aliquot #4: Latitude: <u>33.55880856440</u>	N Longitude <u>86.79820040280</u>	W
Media description: <u>DARK BROWN SILTY SANDY SOIL - DAMP</u>		
Aliquot #5: Latitude: <u>33.55881166610</u>	N Longitude <u>86.79804127330</u>	W
Media description: <u>DARK BROWN SILTY SANDY SOIL - DAMP</u>		

STATION ID: CV0511

SAMPLE ID: CV0511MMM-CS

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

BACK AREA - NINTH ROW

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.55886424660</u>	N Longitude <u>86.79817173750</u>	W
Media description: <u>DARK BROWN WET SANDY SOIL</u>		
Aliquot #2 Latitude: <u>33.55886831100</u>	N Longitude <u>86.79804025660</u>	W
Media description: <u>DARK BROWN WET SANDY SOIL</u>		
Aliquot #3: Latitude: <u>33.55890116540</u>	N Longitude <u>86.79807467740</u>	W
Media description: <u>DARK BROWN WET SANDY SOIL</u>		
Aliquot #4: Latitude: <u>33.55892688910</u>	N Longitude <u>86.79810893710</u>	W
Media description: <u>DARK BROWN WET SANDY SOIL</u>		
Aliquot #5: Latitude: <u>33.55897996270</u>	N Longitude <u>86.79803645440</u>	W
Media description: <u>DARK BROWN WET SANDY SOIL</u>		

ADDRESS (b) (6)

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

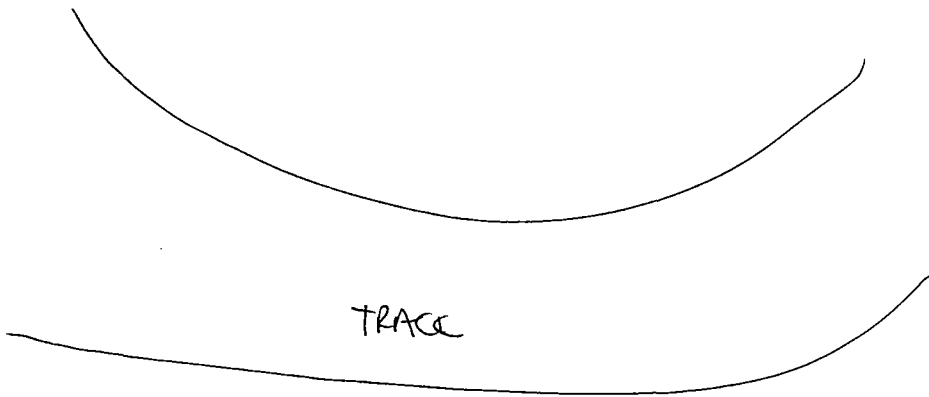
CLEAR SKIES, SLIGHT WIND 42°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch

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• NNN₄ • NNN₃ • NNN₂ • NNN₁
 x x x x x x ← POLES

/// / SCHOOL / / /

STATION ID: CV0511

SAMPLE ID: CV0511NN1 - CS

SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

4-POINT COMPOSITE

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55782614500</u>	N Longitude: <u>86.79771076320</u>	W	
Media description: <u>LIGHT BROWN SANDY LOAMY SOIL WITH GRAVEL</u>			
Aliquot #2: Latitude: <u>33.55782362350</u>	N Longitude: <u>86.79778585470</u>	W	
Media description: <u>LIGHT BROWN SANDY LOAMY SOIL WITH GRAVEL</u>			
Aliquot #3: Latitude: <u>33.55783483400</u>	N Longitude: <u>86.79806053850</u>	W	
Media description: <u>LIGHT BROWN SANDY LOAMY SOIL WITH GRAVEL</u>			
Aliquot #4: Latitude: <u>33.55783629250</u>	N Longitude: <u>86.79814099020</u>	W	
Media description: <u>LIGHT BROWN SANDY LOAMY SOIL WITH GRAVEL</u>			
Aliquot #5: Latitude: _____	N Longitude: _____	W	
Media description: _____			

STATION ID: CV0511

SAMPLE ID: CV0511SSS - CS SW

SAMPLE COLLECTION TIME: 1540

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

WATER SAMPLE

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.559229</u>	N Longitude: <u>86.798148</u>	W	
Media description: <u>WATER ON TOP OF SAMPLE "TTT"</u>			
Aliquot #2: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude: _____	W	
Media description: _____			

ADDRESS: **(b) (6)** _____ PROPERTY ID: _____

DATE: 12/13/12 ARRIVAL TIME: 0830

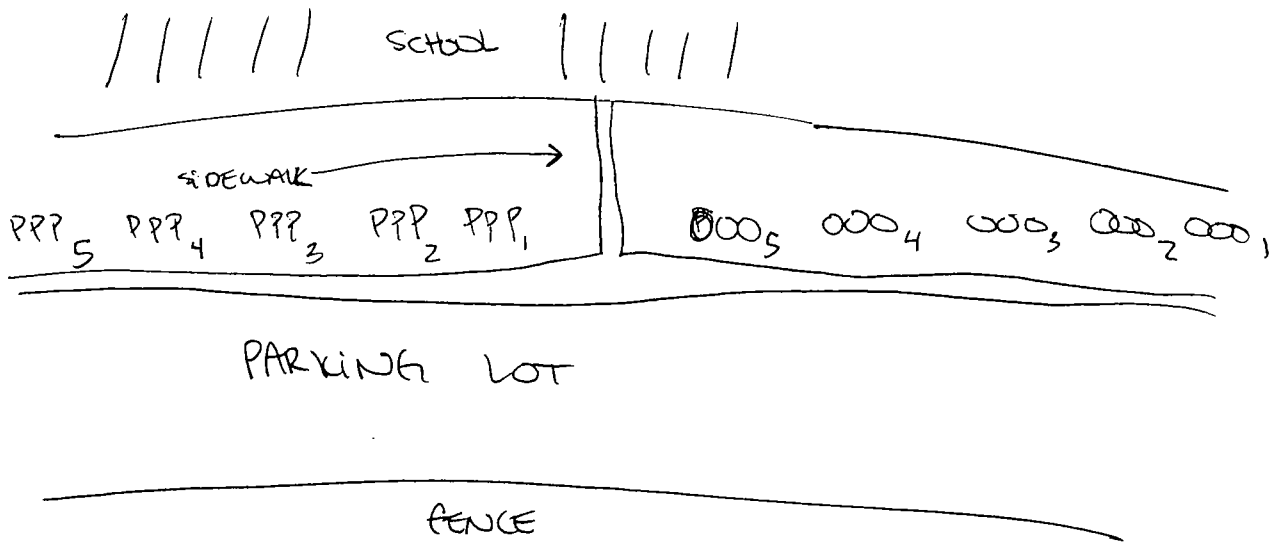
Other pertinent information (weather conditions, etc.):

SUNNY 43°F

PROPERTY COMMENTS:

CARVER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511000-CS

SAMPLE COLLECTION TIME: 1555

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT AREA - COMPOSITE LINE (EASTERN MOST)

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: 33.55704591800 N Longitude 86.79652420270 W

Media description: DARK BROWN SILTY SOIL

Aliquot #2 Latitude: 33.55703919540 N Longitude 86.79660207640 W

Media description: DARK BROWN SILTY SOIL

Aliquot #3: Latitude: 33.55704018810 N Longitude 86.79669078870 W

Media description: DARK BROWN SILTY SOIL

Aliquot #4: Latitude: 33.55704378460 N Longitude 86.79676416790 W

Media description: DARK BROWN SILTY SOIL

Aliquot #5: Latitude: 33.55704393570 N Longitude 86.79682283510 W

Media description: SOME COAL CHIPS & CRUSHED ROCKS

STATION ID: CV0511 SAMPLE ID: CV0511PPP-CS

SAMPLE COLLECTION TIME: 1558

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT AREA - SECOND COMPOSITE LINE

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: 33.55705087800 N Longitude 86.79686645090 W

Media description: BLACK SILTY SAND

Aliquot #2 Latitude: 33.55705128020 N Longitude 86.79694786130 W

Media description: BLACK SILTY SAND

Aliquot #3: Latitude: 33.55704863310 N Longitude 86.79701934660 W

Media description: BLACK SILTY SAND

Aliquot #4: Latitude: 33.55705101430 N Longitude 86.79706533790 W

Media description: BLACK SILTY SAND

Aliquot #5: Latitude: 33.55705387470 N Longitude 86.79712986620 W

Media description: BLACK SILTY SAND

(b) (6)

ADDRESS:

PROPERTY ID: CV0511

DATE: 12/13/12

ARRIVAL TIME: 0830

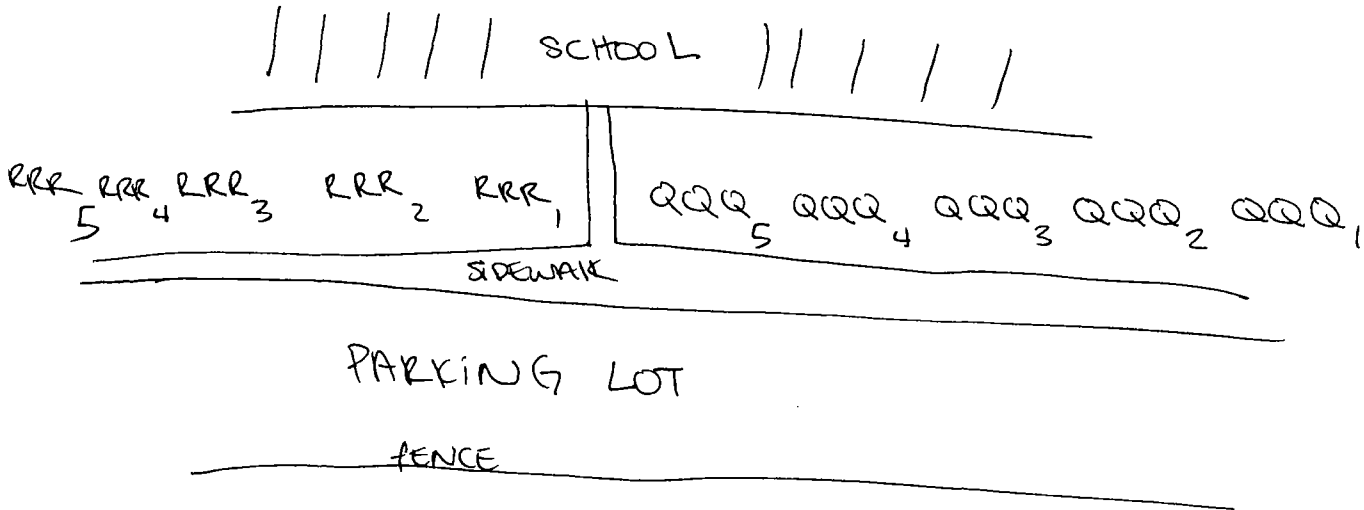
Other pertinent information (weather conditions, etc.):

SUNNY 43°F

PROPERTY COMMENTS:

CARNER HIGH SCHOOL

Grid for property sketch



STATION ID: CV0511 SAMPLE ID: CV0511QQQ-CS

SAMPLE COLLECTION TIME: 1600

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT AREA - COMPOSITE LINE

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.55705968710</u>	N Longitude <u>86.79734969480</u>	W
Media description: <u>DARK SOIL</u>		
Aliquot #2: Latitude: <u>33.55706093890</u>	N Longitude <u>86.79742442570</u>	W
Media description: <u>DARK SOIL</u>		
Aliquot #3: Latitude: <u>33.55706279750</u>	N Longitude <u>86.79750376030</u>	W
Media description: <u>DARK SOIL</u>		
Aliquot #4: Latitude: <u>33.55706522600</u>	N Longitude <u>86.79758345230</u>	W
Media description: <u>DARK SOIL</u>		
Aliquot #5: Latitude: <u>33.55706674460</u>	N Longitude <u>86.79763949840</u>	W
Media description: <u>DARK SOIL</u>		

STATION ID: CV0511 SAMPLE ID: CV0511RRR-CS

SAMPLE COLLECTION TIME: 1610

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

FRONT AREA - WESTERN MOST - COMPOSITE LINE

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.55706654080</u>	N Longitude <u>86.79770198880</u>	W
Media description: <u>SAND AND SILT - LOAMY</u>		
Aliquot #2: Latitude: <u>33.55707102480</u>	N Longitude <u>86.79780589820</u>	W
Media description: <u>LOAMY SOIL</u>		
Aliquot #3: Latitude: <u>33.55707598350</u>	N Longitude <u>86.79787894020</u>	W
Media description: <u>LOAMY SOIL</u>		
Aliquot #4: Latitude: <u>33.55708362830</u>	N Longitude <u>86.79795337540</u>	W
Media description: <u>LOAMY SOIL</u>		
Aliquot #5: Latitude: <u>33.55708814920</u>	N Longitude <u>86.79806178930</u>	W
Media description: <u>LOAMY SOIL</u>		

(b) (6)

ADDRESS:

PROPERTY ID:

CV-0319

DATE:

12/14/12

ARRIVAL TIME:

0839

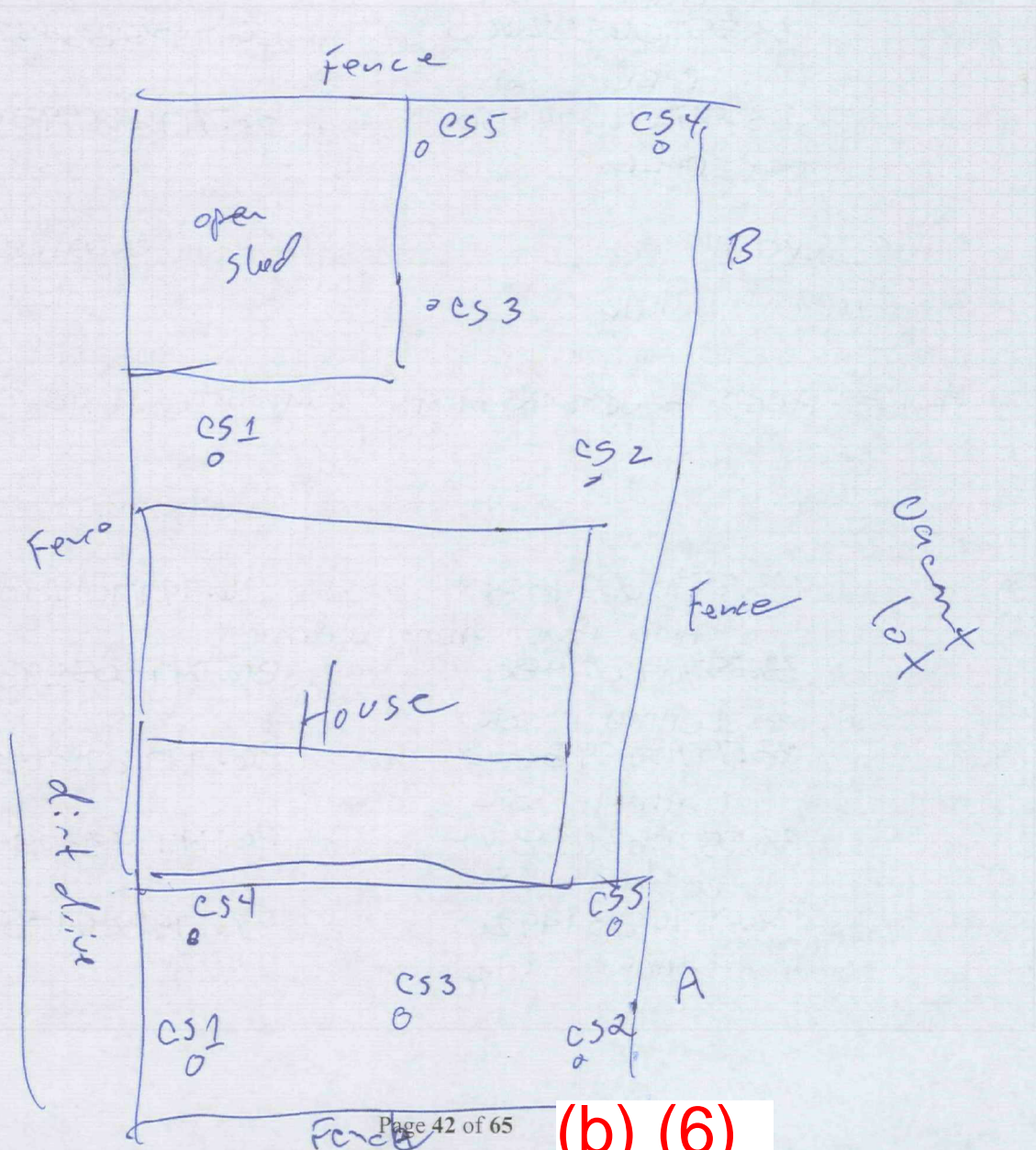
Other pertinent information (weather conditions, etc.):

Clear skies, temp ~ 45°F, winds SE ~ 5 mph

PROPERTY COMMENTS:

single story, 2 dogs, fenced yard

Grid for property sketch



(b) (6)

STATION ID: (b) (6) SAMPLE ID: CV0319A-C5

SAMPLE COLLECTION TIME: 0845

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Front yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>016144</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55637013</u> N Longitude <u>86.80809566</u> W	Media description: <u>Dark, silty soil</u>
Aliquot #2 Latitude: <u>33.55638068</u> N Longitude <u>86.80800025</u> W	Media description: _____
Aliquot #3: Latitude: <u>33.55640562</u> N Longitude <u>86.80805655</u> W	Media description: _____
Aliquot #4: Latitude: <u>33.55642438</u> N Longitude <u>86.80798218</u> W	Media description: _____
Aliquot #5: Latitude: <u>33.55642438</u> N Longitude <u>86.80798218</u> W	Media description: _____

STATION ID: (b) (6) SAMPLE ID: CV0319B-C5

SAMPLE COLLECTION TIME: 0905

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Back yard

Collection: Composite or Grab MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: <u>016144</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55656351</u> N Longitude <u>86.80809535</u> W	Media description: _____
Aliquot #2 Latitude: <u>33.55655879</u> N Longitude <u>86.80799992</u> W	Media description: _____
Aliquot #3: Latitude: <u>33.55663150</u> N Longitude <u>86.80803433</u> W	Media description: _____
Aliquot #4: Latitude: <u>33.55666893</u> N Longitude <u>86.80799624</u> W	Media description: _____
Aliquot #5: Latitude: <u>33.55666600</u> N Longitude <u>86.80805258</u> W	Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID:

HP 0282

DATE:

12/14/12

ARRIVAL TIME:

0920

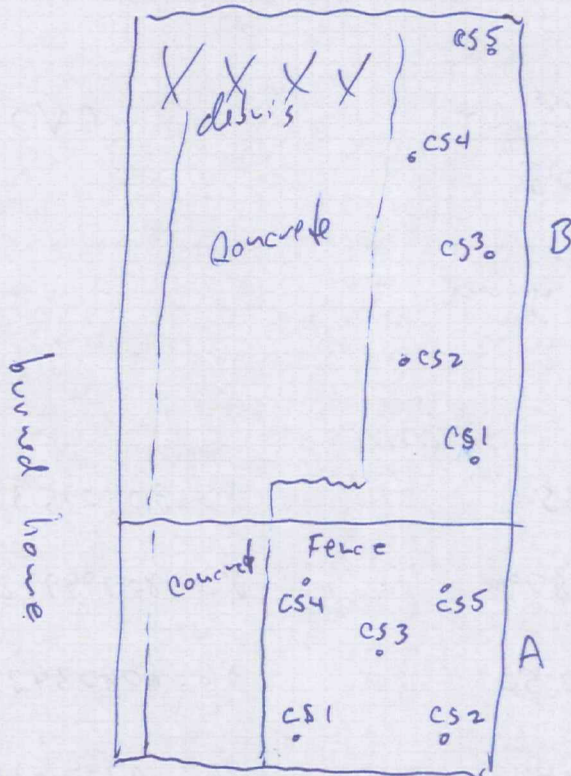
Other pertinent information (weather conditions, etc.):

Clear skies, lt wind ~ 0-5 mph, temp ~ 50°F

PROPERTY COMMENTS:

vacant lot, house debris located in rear of lot from burned structure

Grid for property sketch



(b) (6)

(b) (6)

STATION ID: _____

SAMPLE ID: _____

HP-0282A-CS

SAMPLE COLLECTION TIME: 1000

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

North end, out side of fence, vacant lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>016144</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56744753</u>	N Longitude: <u>86.79023075</u>	W	
Media description: <u>Dark brown, sandy, damp</u>			
Aliquot #2: Latitude: <u>33.56744554</u>	N Longitude: <u>86.79028884</u>	W	
Media description: <u>Dark brown, sandy, damp</u>			
Aliquot #3: Latitude: <u>33.56737088</u>	N Longitude: <u>86.79025897</u>	W	
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.56733077</u>	N Longitude: <u>86.79022642</u>	W	
Media description: <u>same</u>			
Aliquot #5: Latitude: <u>33.56732666</u>	N Longitude: <u>86.79029187</u>	W	
Media description: <u>same</u>			

STATION ID: _____

(b) (6)

SAMPLE ID: _____

HP-0282B-CS

SAMPLE COLLECTION TIME: 1015

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

South end of vacant lot, on western boundary

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>016144</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56729346</u>	N Longitude: <u>86.79028781</u>	W	
Media description: <u>dark sandy, damp</u>			
Aliquot #2: Latitude: <u>33.56723867</u>	N Longitude: <u>86.79026802</u>	W	
Media description: <u>same</u>			
Aliquot #3: Latitude: <u>33.56719627</u>	N Longitude: <u>86.79029313</u>	W	
Media description: <u>same</u>			
Aliquot #4: Latitude: <u>33.56715028</u>	N Longitude: <u>86.79025993</u>	W	
Media description: <u>same</u>			
Aliquot #5: Latitude: <u>33.56709645</u>	N Longitude: <u>86.79028546</u>	W	
Media description: <u>same</u>			

The remaining pages in this logbook are
blank and have not been scanned.