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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: 02/05/13 → 3/1/13

List of Sampling Team in logbook:

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

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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 ¼-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 ¼-acre in parcel lot size will be divided into ¼-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 SESD 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 SESD 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.

ADDRESS: (b) (6)

PROPERTY ID: CV 0835

DATE: 2-26-13

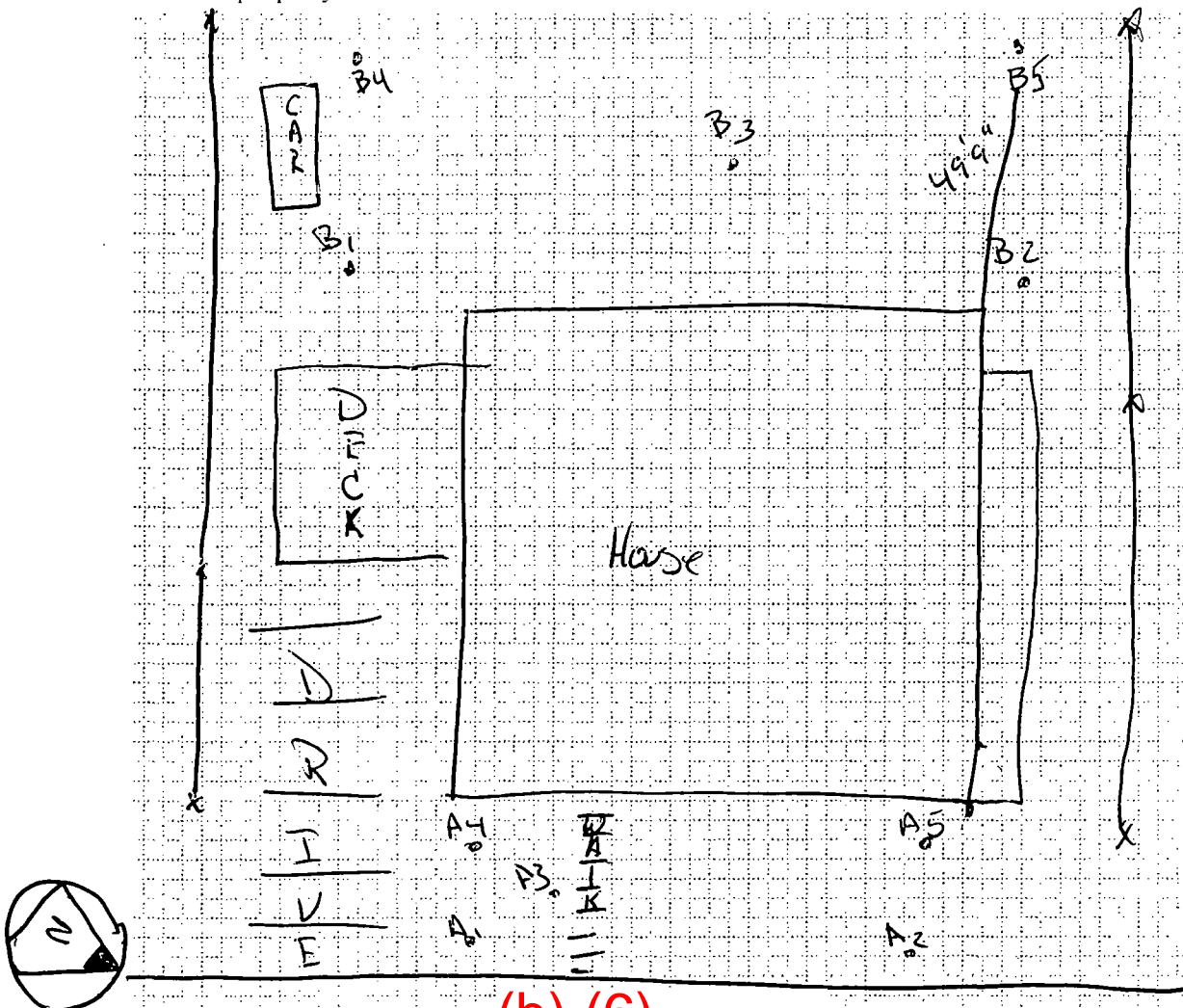
ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

Overcast 50% Cool

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0835 SAMPLE ID: CV0835A-SP^{CG}

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: CV0835A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55357094</u> N Longitude <u>86.79652385</u> W Media description: <u>WET Silty Clay Brown</u>
Aliquot #2: Latitude: <u>33.55356516</u> N Longitude <u>86.79660269</u> W Media description: <u>WET Silty Clay Brown</u>
Aliquot #3: Latitude: <u>33.55355562</u> N Longitude <u>86.79654613</u> W Media description: <u>WET Silty Clay Brown</u>
Aliquot #4: Latitude: <u>33.55354180</u> N Longitude <u>86.79651627</u> W Media description: <u>WET Silty Clay Brown w/Coal Fragments</u>
Aliquot #5: Latitude: <u>33.55354575</u> N Longitude <u>86.79659612</u> W Media description: <u>WET Silty Clay Brown</u>

STATION ID: CV0835 SAMPLE ID: CV0835B-CG-SP

SAMPLE COLLECTION TIME: 0911

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: CV0835B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55335139</u> N Longitude <u>86.79649371</u> W Media description: <u>WET Brown Silty Clay</u>
Aliquot #2: Latitude: <u>33.55336589</u> N Longitude <u>86.79658930</u> W Media description: <u>WET Brown Silty Clay</u>
Aliquot #3: Latitude: <u>33.55330868</u> N Longitude <u>86.79654674</u> W Media description: <u>WET Brown Silty Clay</u>
Aliquot #4: Latitude: <u>33.55325225</u> N Longitude <u>86.79652364</u> W Media description: <u>WET Brown Silty Clay</u>
Aliquot #5: Latitude: <u>33.55325946</u> N Longitude <u>86.79657645</u> W Media description: <u>WET Brown Silty Clay</u>

ADDRESS: (b) (6)

PROPERTY ID: CV0956

DATE: 2-26-13

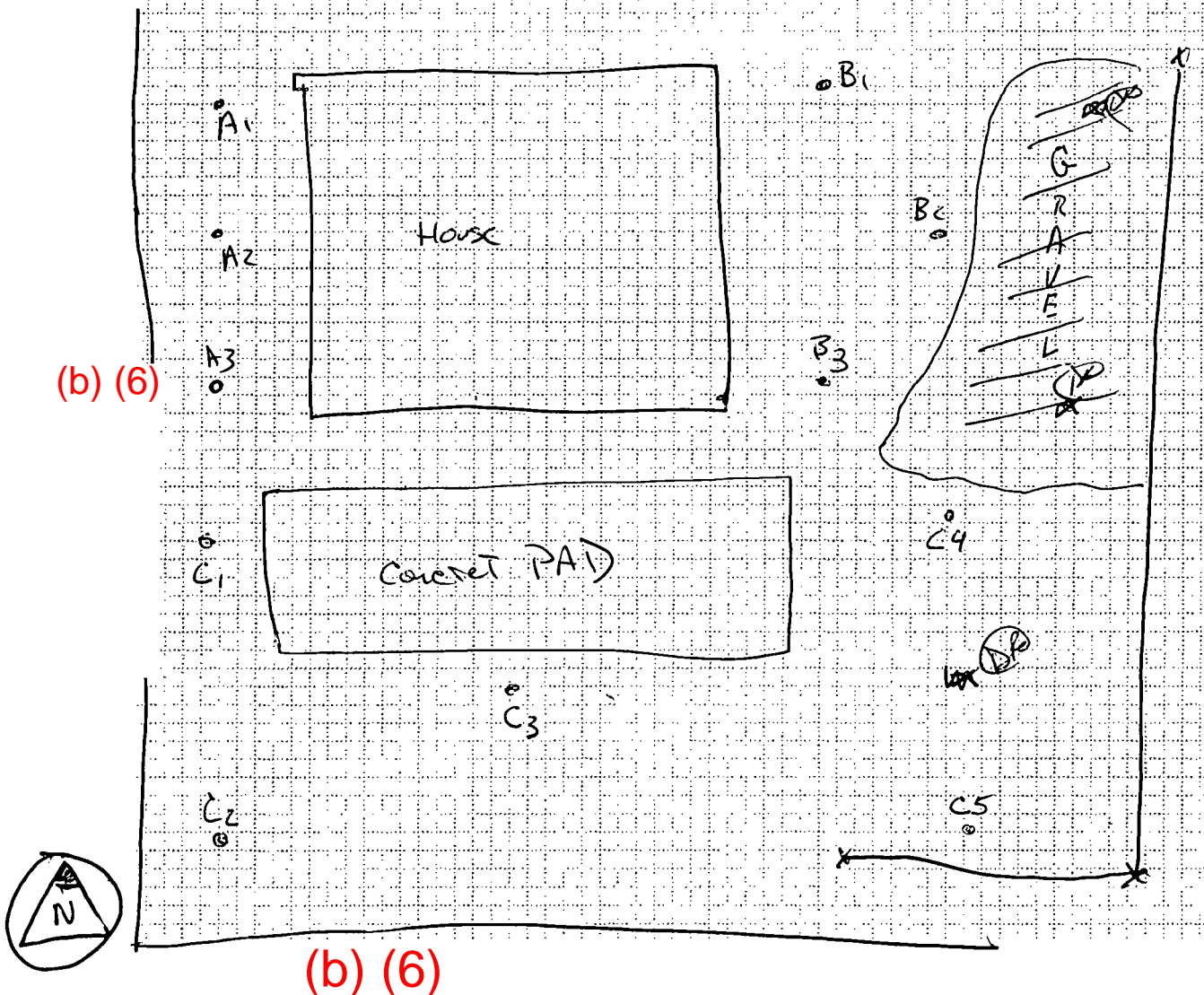
ARRIVAL TIME: 0925

Other pertinent information (weather conditions, etc.):

50° cold overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0956 SAMPLE ID: CV0956A-CS-5A

SAMPLE COLLECTION TIME: 0955

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: CV0956A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55319225</u> N Longitude <u>86.79830316</u> W	Media description: <u>Wet Brown s.lty Soil</u>
Aliquot #2: Latitude: <u>33.55314611</u> N Longitude <u>86.79829056</u> W	Media description: <u>Wet Brown s.lty Soil</u>
Aliquot #3: Latitude: <u>33.55311372</u> N Longitude <u>86.79829518</u> W	Media description: <u>Wet Brown s.lty Soil</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: _____

STATION ID: CV0956 SAMPLE ID: CV0956B-CS-5B

SAMPLE COLLECTION TIME: 0957

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: CV0956B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55318364</u> N Longitude <u>86.79808320</u> W	Media description: <u>Wet Brown s.lty Soil & Coal</u>
Aliquot #2: Latitude: <u>33.55314372</u> N Longitude <u>86.79804261</u> W	Media description: <u>Wet Brown s.lty Soil & Coal</u>
Aliquot #3: Latitude: <u>33.55311629</u> N Longitude <u>86.79809087</u> W	Media description: <u>Wet Brown s.lty Soil & Coal</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: _____

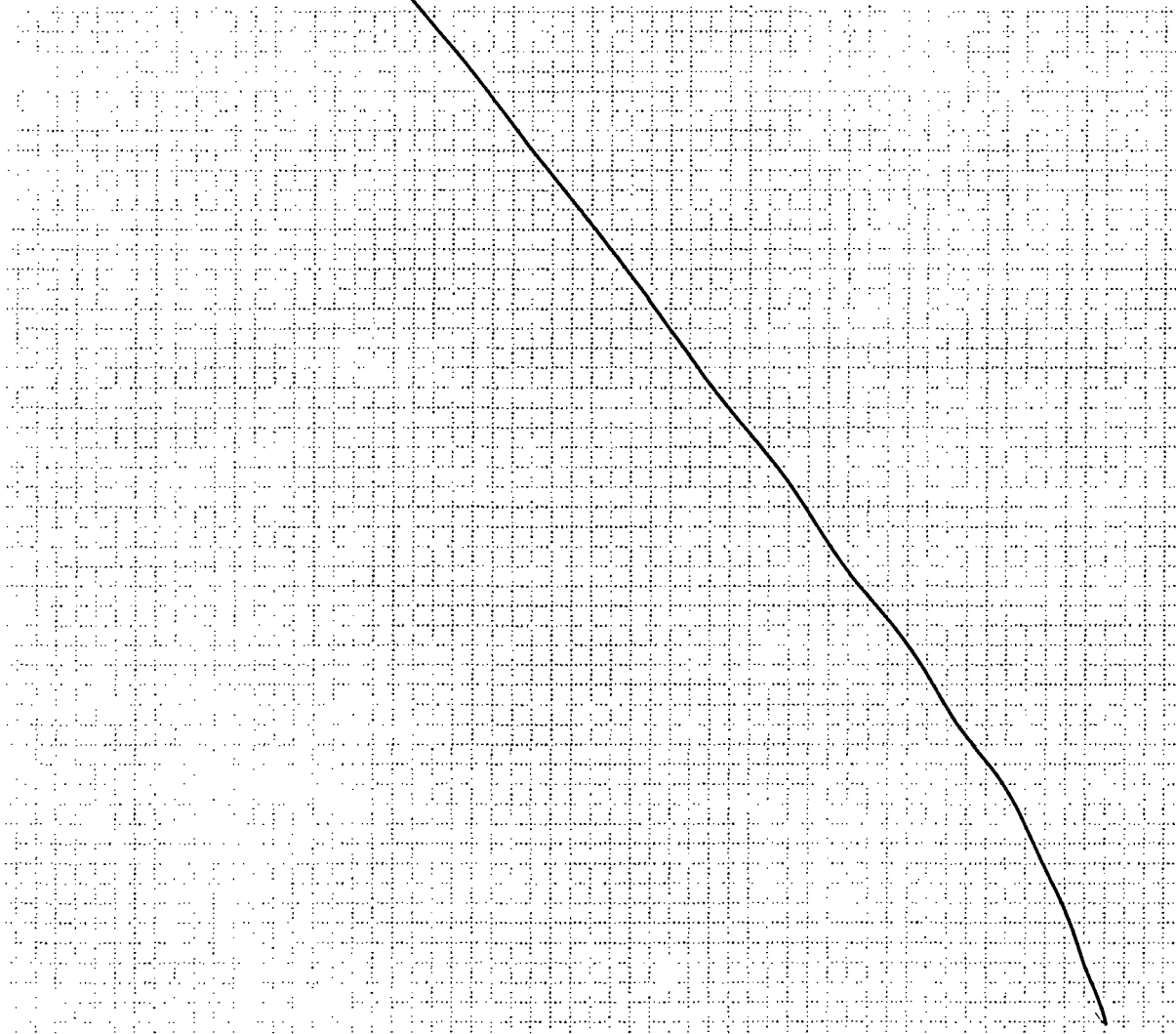
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0956 SAMPLE ID: CV0956C-CS-57

SAMPLE COLLECTION TIME: 1010

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0951C

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55306870</u> N Longitude <u>86.79828524</u> W	Media description: <u>Brown Silty Soil w/ Gravel Damp</u>
Aliquot #2: Latitude: <u>33.55294053</u> N Longitude <u>86.79821526</u> W	Media description: <u>Brown Silty Soil w/ Gravel Damp</u>
Aliquot #3: Latitude: <u>33.55298957</u> N Longitude <u>86.79813407</u> W	Media description: <u>Brown Silty Clay wet</u>
Aliquot #4: Latitude: <u>33.55305234</u> N Longitude <u>86.79806026</u> W	Media description: <u>Brown/TAN Silty Soil with coal fragment damp</u>
Aliquot #5: Latitude: <u>33.55294533</u> N Longitude <u>86.79804119</u> W	Media description: <u>Dark Browns Silty gravel with coal fragment wet</u>

~~STATION ID: _____ SAMPLE ID: _____~~

~~SAMPLE COLLECTION TIME: _____~~

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

~~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: _____
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: _____

(b) (6)

ADDRESS:

PROPERTY ID: CV0754

DATE: 2-26-13

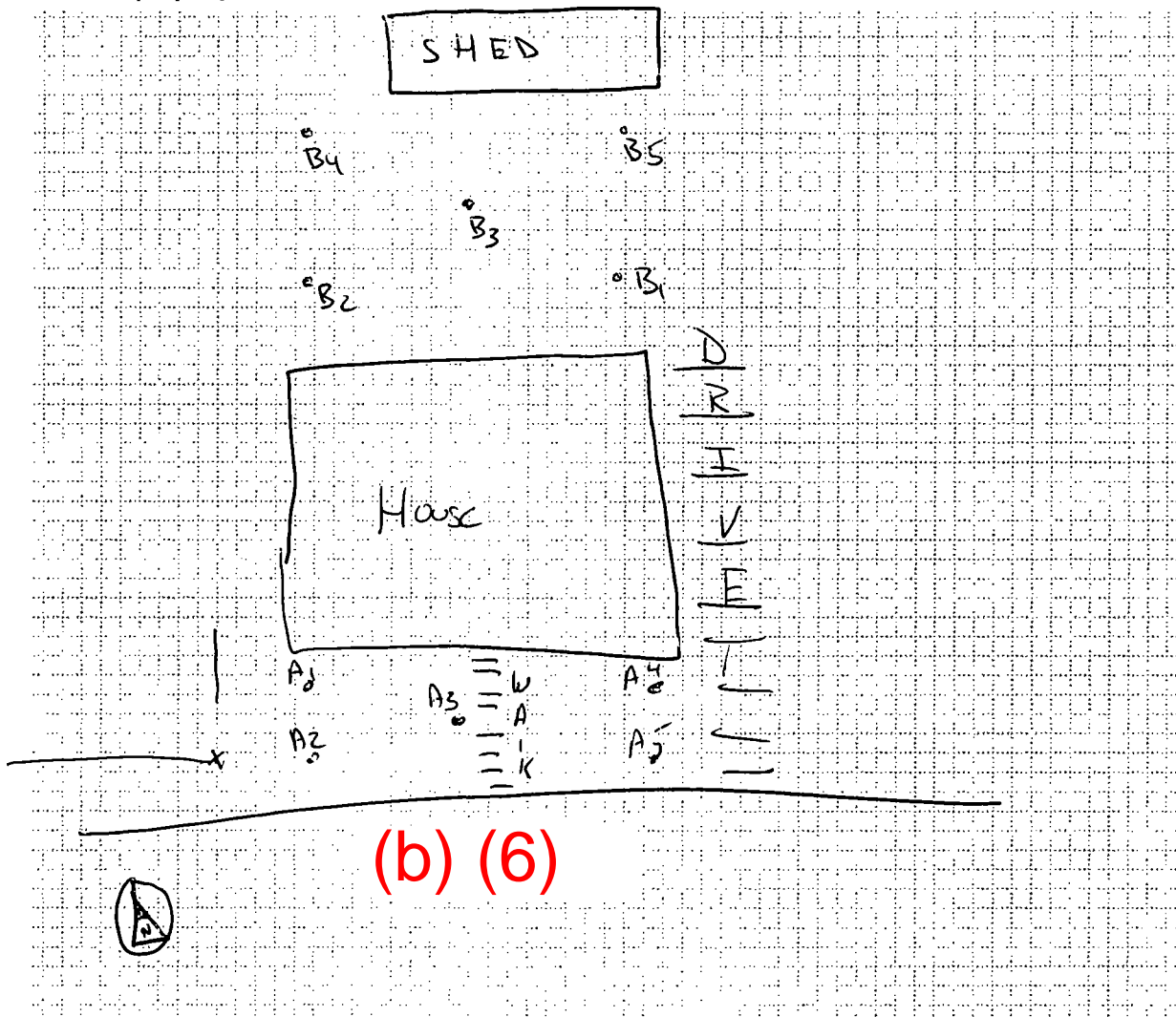
ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):

50° windy cold

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0754 SAMPLE ID: CV0754A-CS-SP

SAMPLE COLLECTION TIME: 1037

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: CV0754A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55285130</u> N Longitude <u>86.79694196</u> W Media description: <u>Brown silty wet soil</u>
Aliquot #2: Latitude: <u>33.55284315</u> N Longitude <u>86.79682189</u> W Media description: <u>Brown silty muddy soil dump</u>
Aliquot #3: Latitude: <u>33.55287088</u> N Longitude <u>86.79688496</u> W Media description: <u>Brown silty wet soil</u>
Aliquot #4: Latitude: <u>33.55288885</u> N Longitude <u>86.79693858</u> W Media description: <u>Brown silty wet soil</u>
Aliquot #5: Latitude: <u>33.55289401</u> N Longitude <u>86.79681404</u> W Media description: <u>Brown silty Clay Dump</u>

STATION ID: CV0754 SAMPLE ID: CV0754B-CS-SP

SAMPLE COLLECTION TIME: 1043

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: CV073413

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55305420</u> N Longitude <u>86.79682812</u> W Media description: <u>Dark Brown silty soil</u>
Aliquot #2: Latitude: <u>33.55304973</u> N Longitude <u>86.79692432</u> W Media description: <u>Dark Brown silty soil</u>
Aliquot #3: Latitude: <u>33.55308759</u> N Longitude <u>86.79688312</u> W Media description: <u>Sand</u>
Aliquot #4: Latitude: 33.55308759 <u>33.55313623</u> N Longitude 86.79688312 <u>86.79692536</u> W Media description: <u>Dark Brown silty soil</u>
Aliquot #5: Latitude: 33.55312961 <u>33.55312961</u> N Longitude <u>86.79682626</u> W Media description: <u>Brown / Orange Clay</u>

ADDRESS (b) (6)

PROPERTY ID: CV0755

DATE: 2-26-13

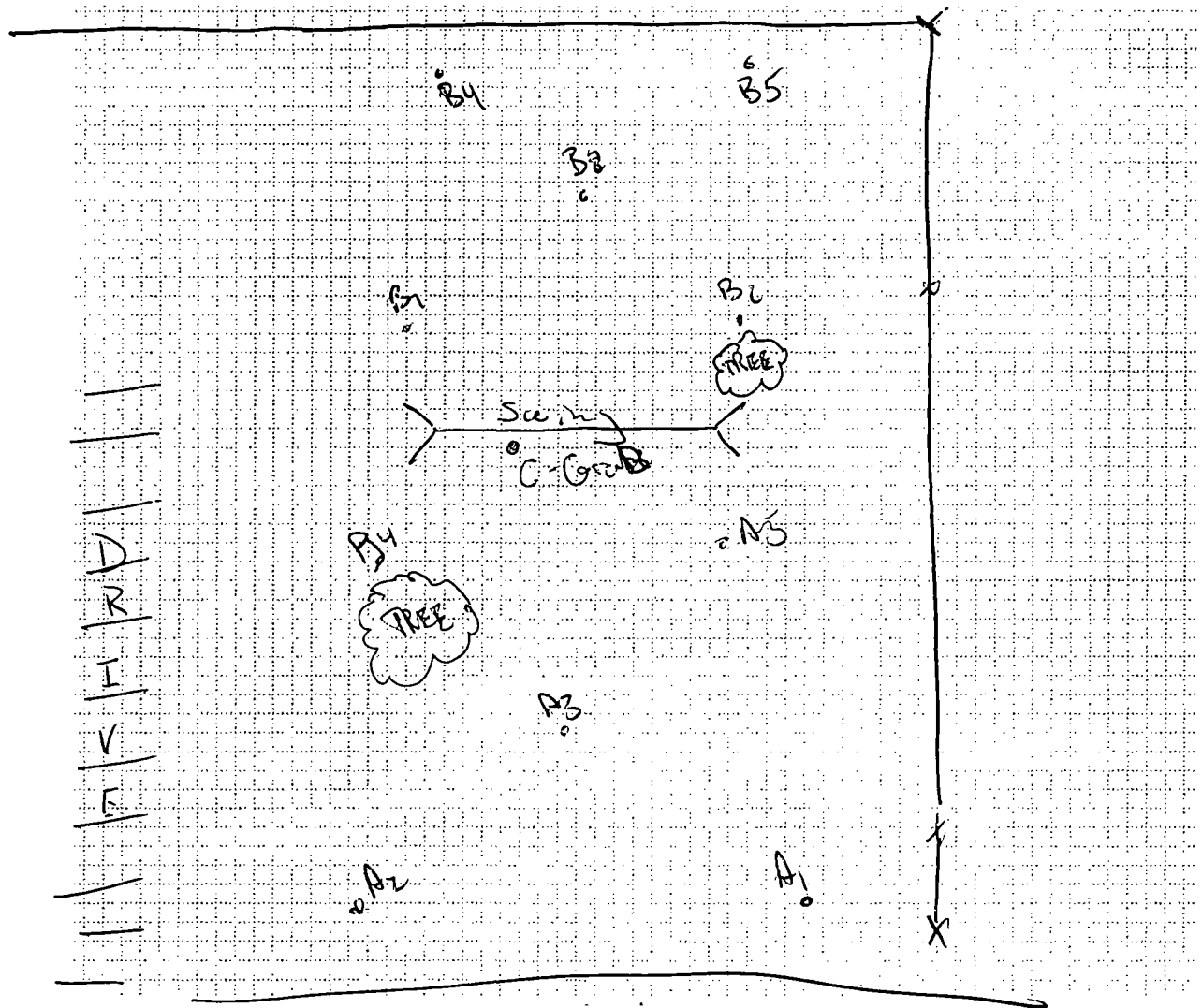
ARRIVAL TIME: 1051

Other pertinent information (weather conditions, etc.):

45° Cold windy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0755 SAMPLE ID: CV0755A-CS-SP

SAMPLE COLLECTION TIME: 1055

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

Front of side 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>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>Bron/orng clay 33.55283961</u> N Longitude <u>86.79670416</u> W
Media description: <u>Bron/orng clay - Duff</u>
Aliquot #2: Latitude: <u>33.55285324</u> N Longitude <u>86.79663163</u> W
Media description: <u>SAME AS 1</u>
Aliquot #3: Latitude: <u>33.55291099</u> N Longitude <u>86.79667145</u> W
Media description: <u>SAME AS 1</u>
Aliquot #4: Latitude: <u>33.55297263</u> N Longitude <u>86.7960956</u> W
Media description: <u>Dark Bron sily clay - WET</u>
Aliquot #5: Latitude: <u>33.55297876</u> N Longitude <u>86.79663430</u> W
Media description: <u>Dark Bron sily clay - WET</u>

STATION ID: CV0755 SAMPLE ID: CV0755B-CS-SP

SAMPLE COLLECTION TIME: 1104 @ 11/6

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

Back of side 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: CV0755B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55303922</u> N Longitude <u>86.79671673</u> W
Media description: <u>Dark Bron sily clay w/ Gravel</u>
Aliquot #2: Latitude: <u>33.55304980</u> N Longitude <u>86.79664633</u> W
Media description: <u>Dark Bron sily clay w/ Gravel</u>
Aliquot #3: Latitude: <u>33.55309625</u> N Longitude <u>86.79668619</u> W
Media description: <u>Dark Bron sily clay w/ Gravel</u>
Aliquot #4: Latitude: <u>33.55316749</u> N Longitude <u>86.79671634</u> W
Media description: <u>Dark Bron sily clay with Gravel</u>
Aliquot #5: Latitude: <u>33.55316785</u> N Longitude <u>86.79666937</u> W
Media description: <u>Dark Bron sily clay with Gravel</u>

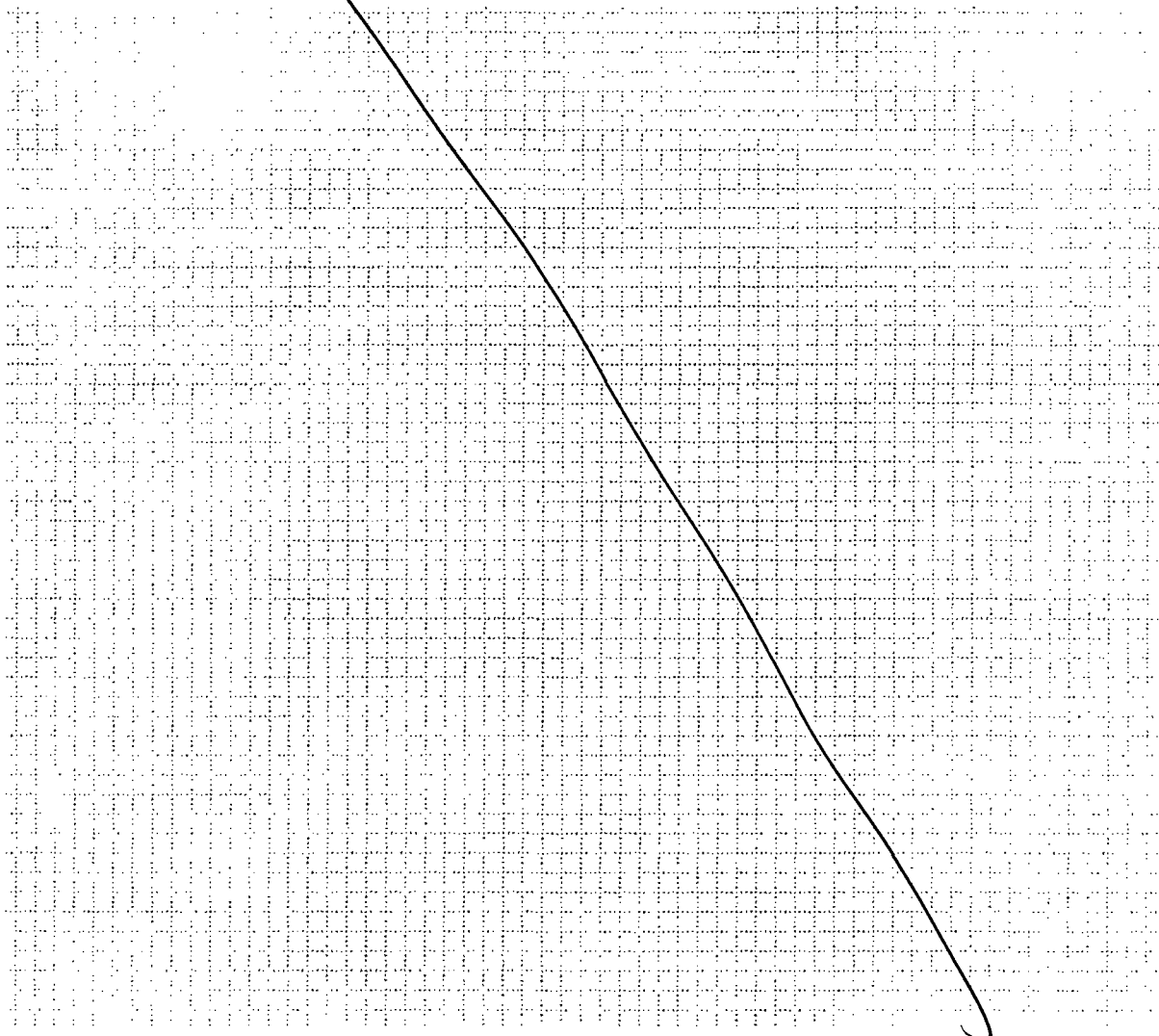
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0755 SAMPLE ID: CV0755C-g-SP

SAMPLE COLLECTION TIME: 1101

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

Grab under swing

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0755E

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55300396</u> N Longitude: <u>86.79665898</u> W	
Media description: _____	
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: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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: _____	
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: HP0026

DATE: 2-26-13

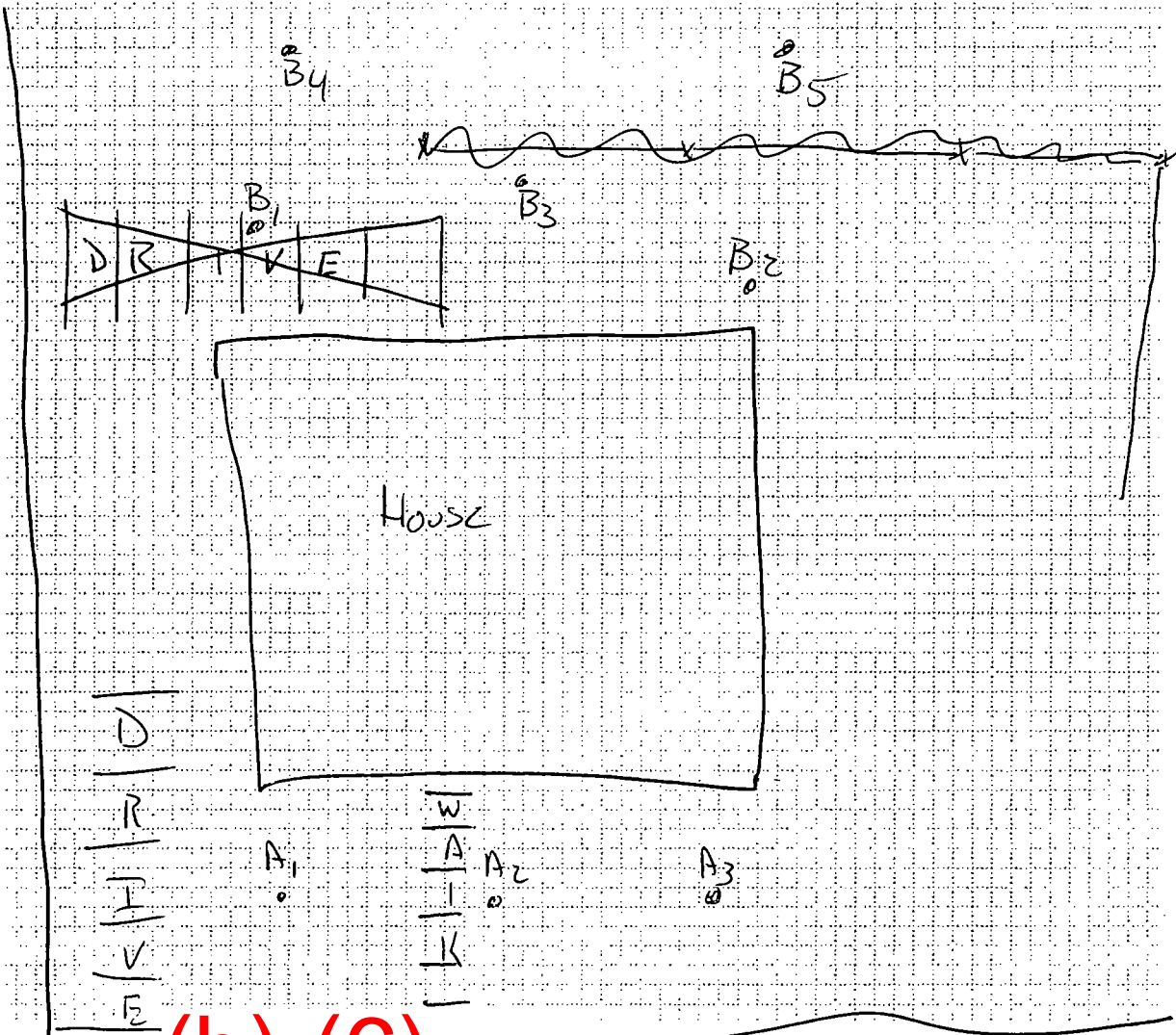
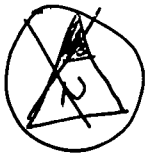
ARRIVAL TIME: 1300

Other pertinent information (weather conditions, etc.):

50° cold

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: HP0026 SAMPLE ID: HP0026A-CS-SP

SAMPLE COLLECTION TIME: 1312

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

Front

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0026A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56792029</u> N Longitude <u>86.79066914</u> W Media description: <u>Stained orange clay sandy</u>
Aliquot #2: Latitude: <u>33.56788779</u> N Longitude <u>86.79066347</u> W Media description: <u>Stained orange clay sandy</u>
Aliquot #3: Latitude: <u>33.56784601</u> N Longitude <u>86.79067668</u> W Media description: <u>Stained orange clay sandy</u>
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

STATION ID: HP0026 SAMPLE ID: HP0026B-CS-SP

SAMPLE COLLECTION TIME: 1325

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

Back

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0026B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56792461</u> N Longitude <u>86.79043521</u> W Media description: <u>Brown s. lty sand Dump</u>
Aliquot #2: Latitude: <u>33.56783253</u> N Longitude <u>86.79043804</u> W Media description: <u>Dark Brown s. lty Soil Dump</u>
Aliquot #3: Latitude: <u>33.56788253</u> N Longitude <u>86.79037955</u> W Media description: <u>Dark Brown s. lty Soil Dump</u>
Aliquot #4: Latitude: <u>33.56791843</u> N Longitude <u>86.7903135</u> W Media description: <u>Brown s. lty sand Dump</u>
Aliquot #5: Latitude: <u>33.56783875</u> N Longitude <u>86.79032905</u> W Media description: <u>Red/Brown s. lty clay Dump</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0240

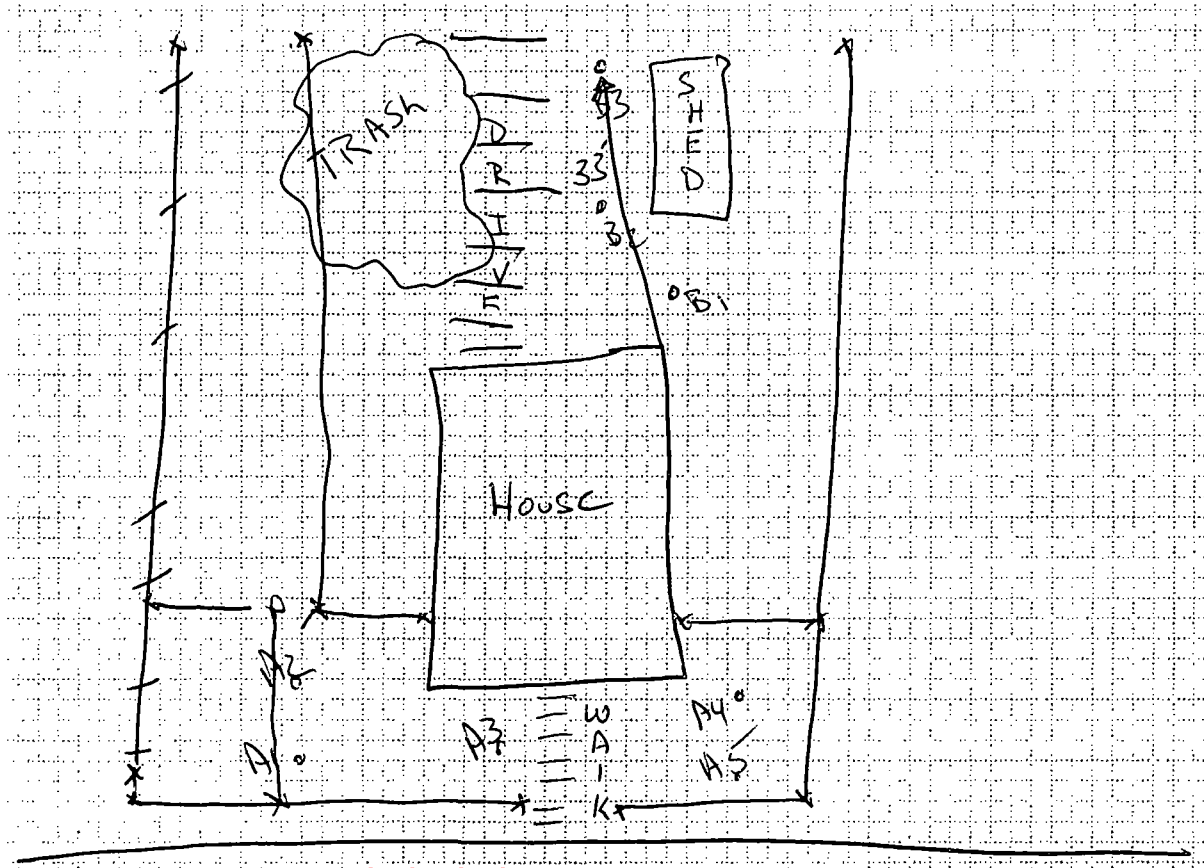
DATE: 2-26-13 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

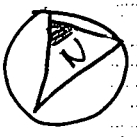
49° cold

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: HP0240 SAMPLE ID: HP0240A-CS-SP

SAMPLE COLLECTION TIME: 1351

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: HP0240A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56672133</u> N Longitude <u>86.79166623</u> W	Media description: <u>Redish s. lty clay stained dump</u>
Aliquot #2: Latitude: <u>33.56672187</u> N Longitude <u>86.79149865</u> W	Media description: <u>Same</u>
Aliquot #3: Latitude: <u>33.56674404</u> N Longitude <u>86.79155557</u> W	Media description: <u>Same</u>
Aliquot #4: Latitude: <u>33.56677084</u> N Longitude <u>86.79160921</u> W	Media description: <u>Same</u>
Aliquot #5: Latitude: <u>33.56678469</u> N Longitude <u>86.79152288</u> W	Media description: <u>Same</u>

STATION ID: HP0240 SAMPLE ID: HP0240B-CS-SP

SAMPLE COLLECTION TIME: 1401

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0240B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56699756</u> N Longitude <u>86.79151472</u> W	Media description: <u>Redish Brom s. lty clay stained dump w coal</u>
Aliquot #2: Latitude: <u>33.56703699</u> N Longitude <u>86.79154371</u> W	Media description: <u>Redish Brom s. lty clay stained dump w coal</u>
Aliquot #3: Latitude: <u>33.56705649</u> N Longitude <u>86.79154341</u> W	Media description: <u>Redish Brom s. lty clay stained dump w/coal</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: _____

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

PROPERTY ID: HP0164

DATE: 2-26-13

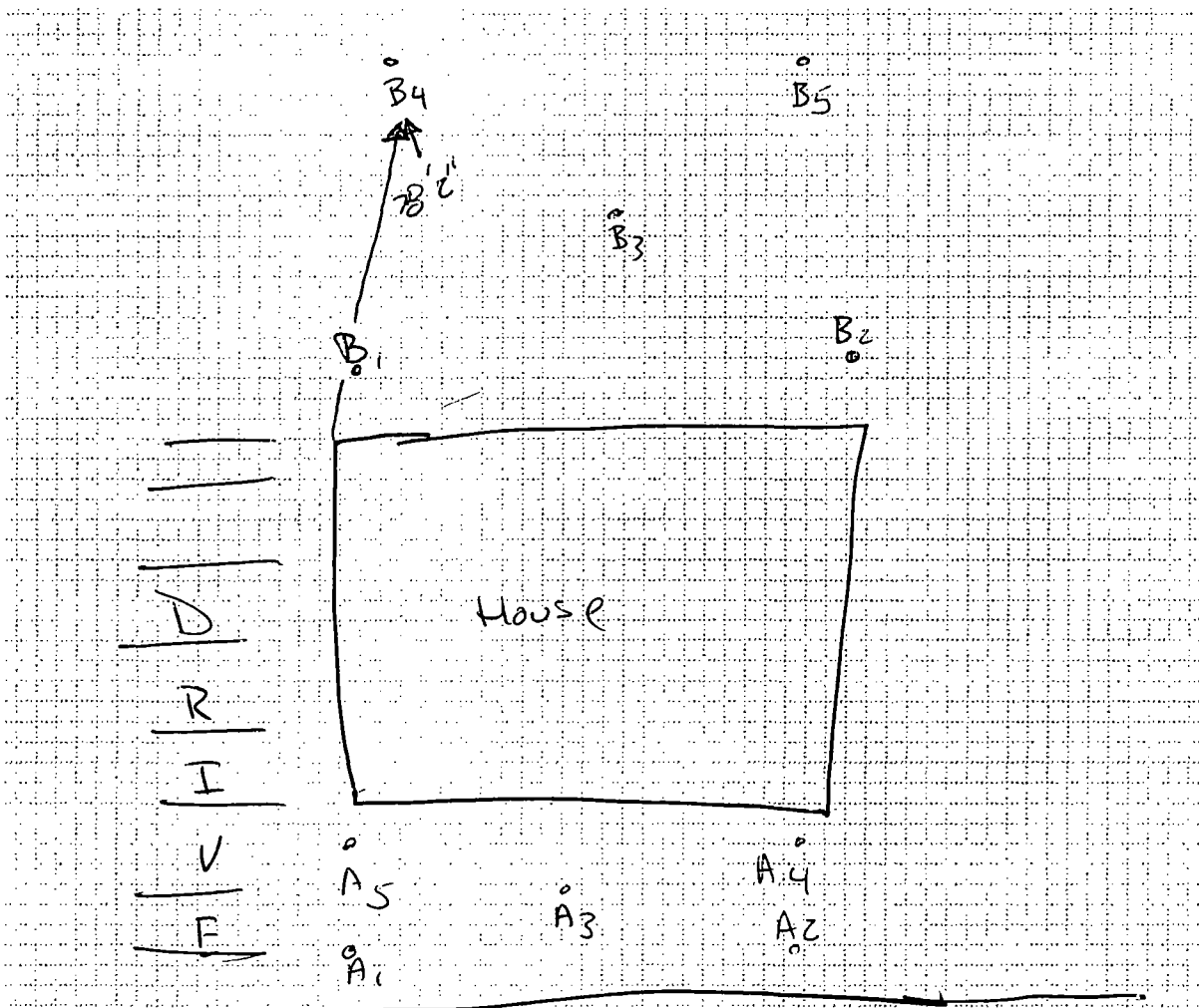
ARRIVAL TIME: 1410

Other pertinent information (weather conditions, etc.):

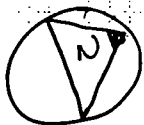
49° cold.

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: HP0164 SAMPLE ID: HP0164A-CS-SP

SAMPLE COLLECTION TIME: 1422

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: HP0164A^{DB}

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56590905</u> N Longitude <u>86.79416707</u> W
Media description: <u>Redish Brown Clay wet</u>
Aliquot #2: Latitude: <u>33.56591362</u> N Longitude <u>86.79407483</u> W
Media description: <u>Same as 1</u>
Aliquot #3: Latitude: <u>33.56593705</u> N Longitude <u>86.79412176</u> W
Media description: <u>Same as 1</u>
Aliquot #4: Latitude: <u>33.56595741</u> N Longitude <u>86.79417005</u> W
Media description: <u>Dark Brown Reddish clay wet w/coal</u>
Aliquot #5: Latitude: <u>33.56596450</u> N Longitude <u>86.79408067</u> W
Media description: <u>Same as 4</u>

STATION ID: HP0164 SAMPLE ID: HP0164B-CS-SP

SAMPLE COLLECTION TIME: 1437

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: HP0164B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56612188</u> N Longitude <u>86.79419148</u> W
Media description: <u>Brown silty orange clay w/coal Frag</u>
Aliquot #2: Latitude: <u>33.56612446</u> N Longitude <u>86.79409356</u> W
Media description: <u>Same</u>
Aliquot #3: Latitude: <u>33.5661993</u> N Longitude <u>86.79414810</u> W
Media description: <u>Same</u>
Aliquot #4: Latitude: <u>33.56627656</u> N Longitude <u>86.79419465</u> W
Media description: <u>Same</u>
Aliquot #5: Latitude: <u>33.56627226</u> N Longitude <u>86.79409066</u> W
Media description: <u>Same</u>

STATION ID: HP0069 SAMPLE ID: HP0069A-CS-SP

SAMPLE COLLECTION TIME: 1508

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

Front & side 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: HP0069A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: 33.56397967 <u>33.56397967</u> N Longitude <u>86.79091734</u> W
Media description: <u>Dark Brown silty clay</u>
Aliquot #2: Latitude: <u>33.56397392</u> N Longitude <u>86.79086033</u> W
Media description: <u>Dark Brown silty clay</u>
Aliquot #3: Latitude: <u>33.56401009</u> N Longitude <u>86.79081612</u> W
Media description: <u>Brown / orange clay w/ coal</u>
Aliquot #4: Latitude: <u>33.56406557</u> N Longitude <u>86.79081203</u> W
Media description: <u>Gray silty clay w/coal Dark</u>
Aliquot #5: Latitude: <u>33.56414376</u> N Longitude <u>86.79081071</u> W
Media description: <u>Dark Brown silty soil w/ wire fluff</u>

STATION ID: HP0069 SAMPLE ID: HP0069B-CS-SP

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: HP0069B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56425210</u> N Longitude <u>86.79092397</u> W
Media description: <u>Redish Brown silty clay</u>
Aliquot #2: Latitude: <u>33.56425528</u> N Longitude <u>86.79082186</u> W
Media description: <u>Redish Brown silty clay</u>
Aliquot #3: Latitude: <u>33.56429485</u> N Longitude <u>86.79087946</u> W
Media description: <u>Redish Brown silty clay</u>
Aliquot #4: Latitude: <u>33.56432516</u> N Longitude <u>86.79087653</u> W
Media description: <u>Redish Brown silty clay with wire fluff</u>
Aliquot #5: Latitude: <u>33.56432540</u> N Longitude <u>86.79081817</u> W
Media description: <u>Redish Brown silty clay</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0568

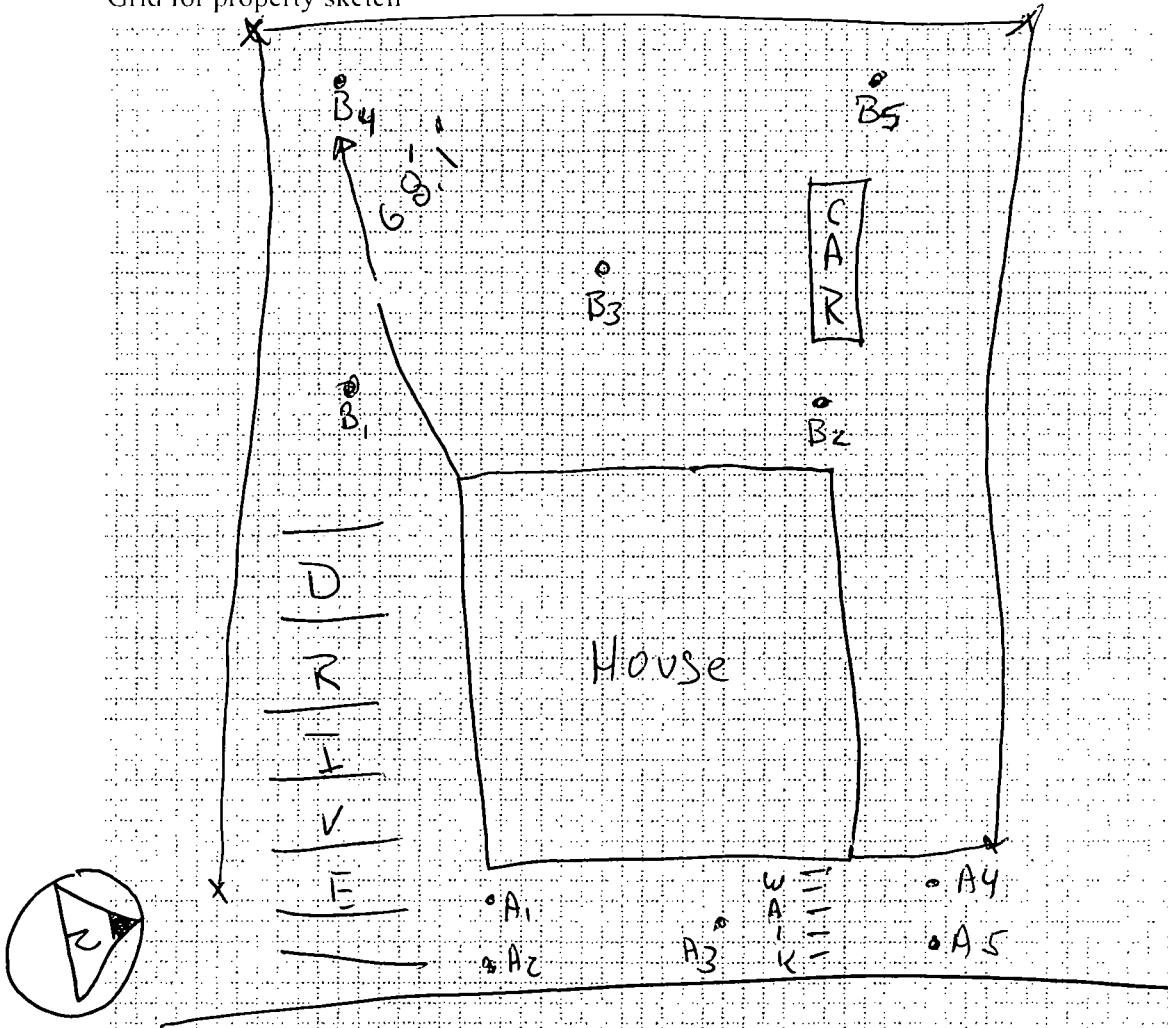
DATE: 2-27-13 ARRIVAL TIME: 0841

Other pertinent information (weather conditions, etc.):

50° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0568 SAMPLE ID: CV0568A-CS-SP

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: CV0568A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55810804</u> N Longitude <u>86.79846037</u> W Media description: <u>Dark Brown silty Soil Damp</u>
Aliquot #2: Latitude: <u>33.55818631</u> N Longitude <u>86.79846268</u> W Media description: <u>Redish Brown Clay Damp</u>
Aliquot #3: Latitude: <u>33.55815894</u> Dark Brown N Longitude <u>86.79848646</u> W Media description: <u>Dark Brown silty Soil</u>
Aliquot #4: Latitude: <u>33.55810666</u> N Longitude <u>86.79851657</u> W Media description: <u>Redish Brown Clay Damp</u>
Aliquot #5: Latitude: <u>33.55818588</u> N Longitude <u>86.79851145</u> W Media description: <u>Redish Brown clay Damp</u>

STATION ID: CV0568 SAMPLE ID: CV0568B-CS-SP

SAMPLE COLLECTION TIME: 0915

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: CV0568B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55809850</u> N Longitude <u>86.79873314</u> W Media description: <u>Dark silty Soil</u>
Aliquot #2: Latitude: <u>33.55817708</u> N Longitude <u>86.79875635</u> W Media description: <u>Dark silty Soil</u>
Aliquot #3: Latitude: <u>33.55812669</u> N Longitude <u>86.79880447</u> W Media description: <u>Dark Silty Soil</u>
Aliquot #4: Latitude: <u>33.55809675</u> N Longitude <u>86.79888789</u> W Media description: _____
Aliquot #5: Latitude: <u>33.55818850</u> N Longitude <u>86.79888213</u> W Media description: <u>33.55818850 Dark Brown silty Clay w/coar</u>

ADDRESS: (b) (6)

PROPERTY ID: CV0337

DATE: 2/27/13

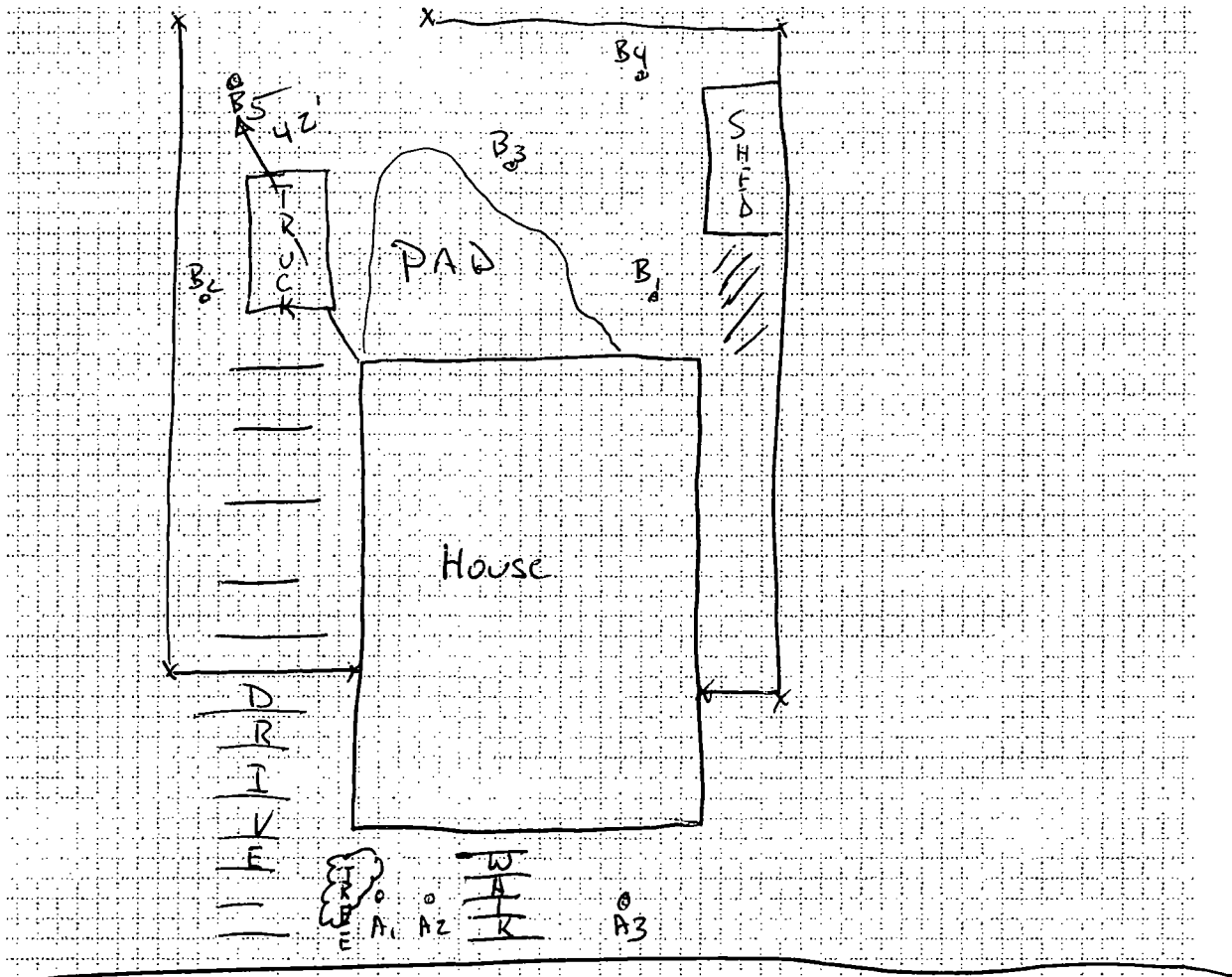
ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

50° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0337 SAMPLE ID: CV0337A-CS-SP

SAMPLE COLLECTION TIME: 0940

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

Front Yards

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0337A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55612214</u> N Longitude <u>86.79754066</u> W Media description: <u>Dark Brown s. lty clay</u>
Aliquot #2: Latitude: <u>33.55612334</u> N Longitude <u>86.79750668</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33.55612569</u> N Longitude <u>86.79745551</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: <u>SAME</u> <u>DF</u>
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: <u>SAME</u> <u>DF</u>

STATION ID: CV0337 SAMPLE ID: CV0337B-CS-SP

SAMPLE COLLECTION TIME: 0955

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: CV0337B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55631979</u> N Longitude <u>86.79749337</u> W Media description: <u>Dark Brown s. lty Clay</u>
Aliquot #2: Latitude: <u>33.55633349</u> N Longitude <u>86.79759360</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33.55637776</u> N Longitude <u>86.79752029</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: <u>33.55640779</u> N Longitude <u>86.79757724</u> W Media description: <u>SAME</u>
Aliquot #5: Latitude: <u>33.55641066</u> N Longitude <u>86.79750566</u> W Media description: <u>SAME</u>

(b) (6)

ADDRESS:

PROPERTY ID:

CW0300

DATE:

2/27/13

ARRIVAL TIME:

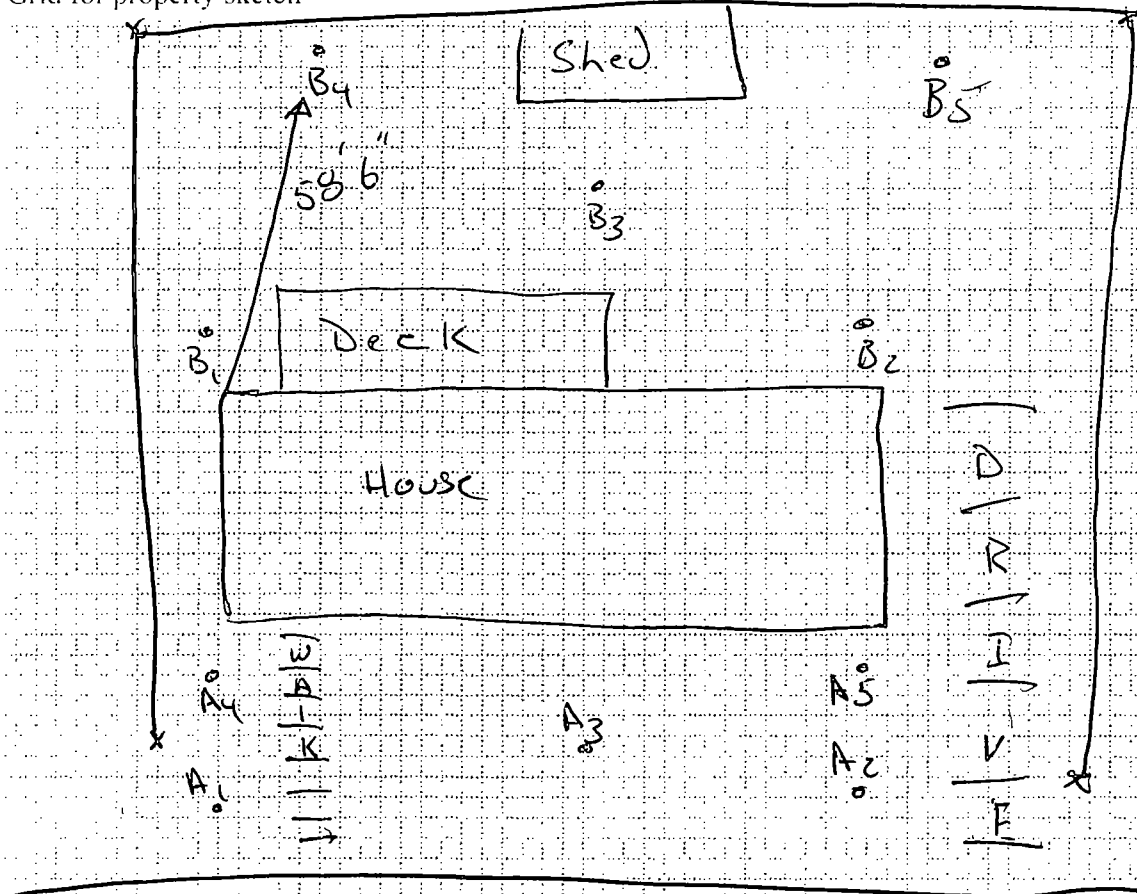
1040

Other pertinent information (weather conditions, etc.):

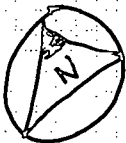
50° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: CV0300 SAMPLE ID: CV0300A-CS-SP

SAMPLE COLLECTION TIME: 1100

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: CV0300A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33,55531223</u> N Longitude <u>86,79742176</u> W Media description: <u>Brown Silty clay</u>
Aliquot #2 Latitude: <u>33,55530848</u> N Longitude <u>86,79731713</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33,55532679</u> N Longitude <u>86,79736991</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: <u>33,55534059</u> N Longitude <u>86,79742635</u> W Media description: <u>SAME</u>
Aliquot #5: Latitude: <u>33,55534398</u> N Longitude <u>86,79731737</u> W Media description: <u>SAME</u>

STATION ID: CV0300 SAMPLE ID: CV0300B-CS-SP

SAMPLE COLLECTION TIME: 1110

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: CV0300B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33,55548611</u> N Longitude <u>86,79741679</u> W Media description: <u>Dark Brown silty so. 1</u>
Aliquot #2 Latitude: <u>33,55547609</u> N Longitude <u>86,79728200</u> W Media description: <u>Light Brown silty so. 1</u>
Aliquot #3: Latitude: <u>33,55553801</u> N Longitude <u>86,79735601</u> W Media description: <u>SAME as 1</u>
Aliquot #4: Latitude: <u>33,55559792</u> N Longitude <u>86,79741743</u> W Media description: <u>SAME as 1</u>
Aliquot #5: Latitude: <u>33,55559580</u> N Longitude <u>86,79729575</u> W Media description: <u>SAME as 2</u>

ADDRESS: **(b) (6)** PROPERTY ID: C10379

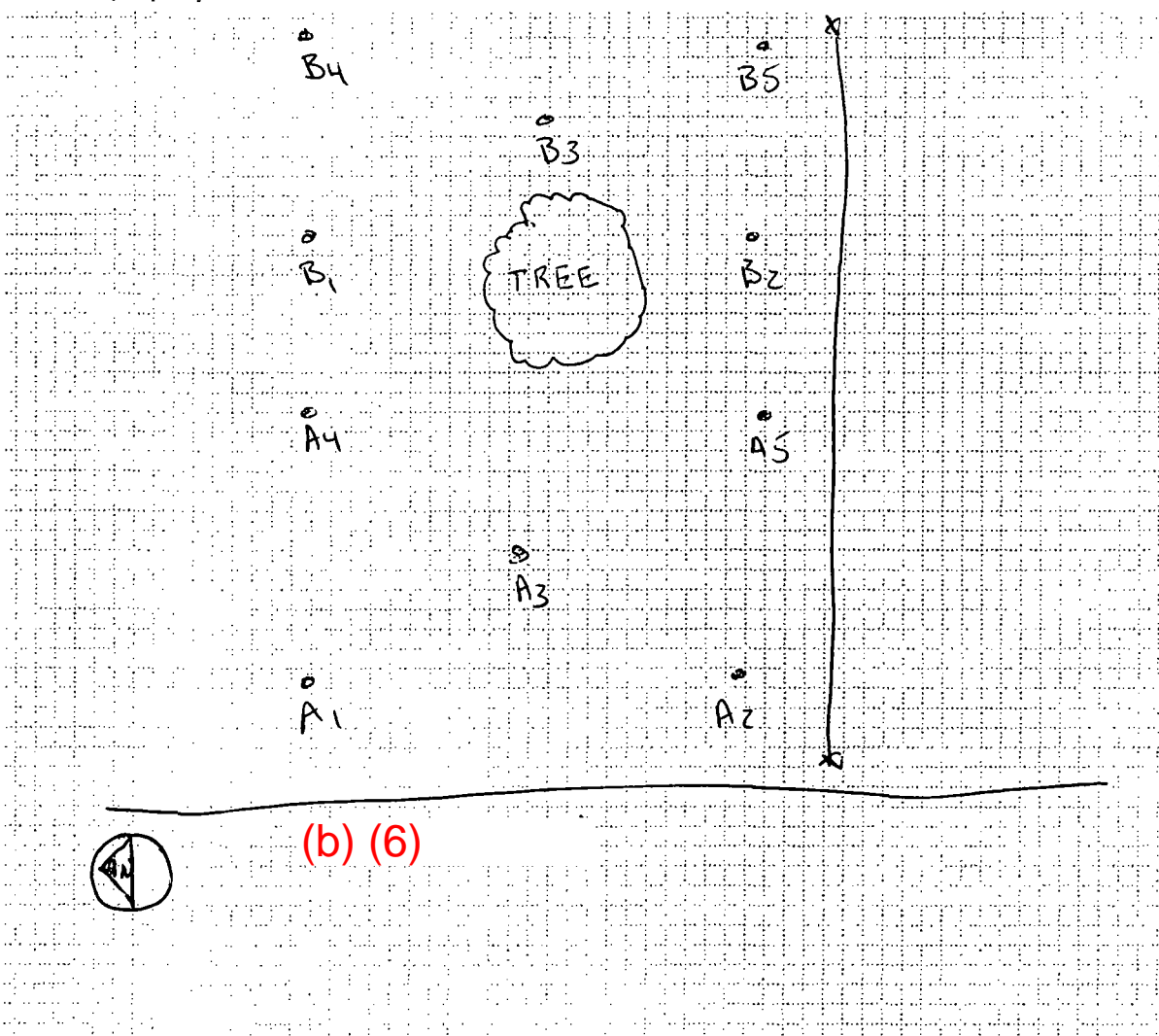
DATE: 2/27/13 ARRIVAL TIME: 1135

Other pertinent information (weather conditions, etc.):

55° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0379 SAMPLE ID: CV0379A-CS-SP

SAMPLE COLLECTION TIME: 1155

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

Front of Empty 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: CV0379A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55616987</u> N Longitude <u>86.79937603</u> W Media description: <u>Dark Brown silty soil</u>
Aliquot #2: Latitude: <u>33.55607787</u> N Longitude <u>86.79937833</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33.55612591</u> N Longitude <u>86.79929458</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: <u>33.55616317</u> N Longitude <u>86.79922492</u> W Media description: <u>SAME</u>
Aliquot #5: Latitude: <u>33.55607913</u> N Longitude <u>86.79923580</u> W Media description: <u>SAME</u>

STATION ID: CV0379 SAMPLE ID: CV0379B-CS-SP

SAMPLE COLLECTION TIME: 1210

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

Back of Empty 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: CV0379B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55616726</u> N Longitude <u>86.79919419</u> W Media description: <u>Brown silty soil</u>
Aliquot #2: Latitude: <u>33.55607697</u> N Longitude <u>86.79919418</u> W Media description: <u>Brown silty soil</u>
Aliquot #3: Latitude: <u>33.55612323</u> N Longitude <u>86.79907197</u> W Media description: <u>Brown silty soil</u>
Aliquot #4: Latitude: <u>33.55615801</u> N Longitude <u>86.79900655</u> W Media description: <u>Brown silty soil wet</u>
Aliquot #5: Latitude: <u>33.55607163</u> N Longitude <u>86.79901164</u> W Media description: <u>Brown silty soil</u>

(b) (6)

ADDRESS:

PROPERTY ID: CV0386

DATE: 2/27/13

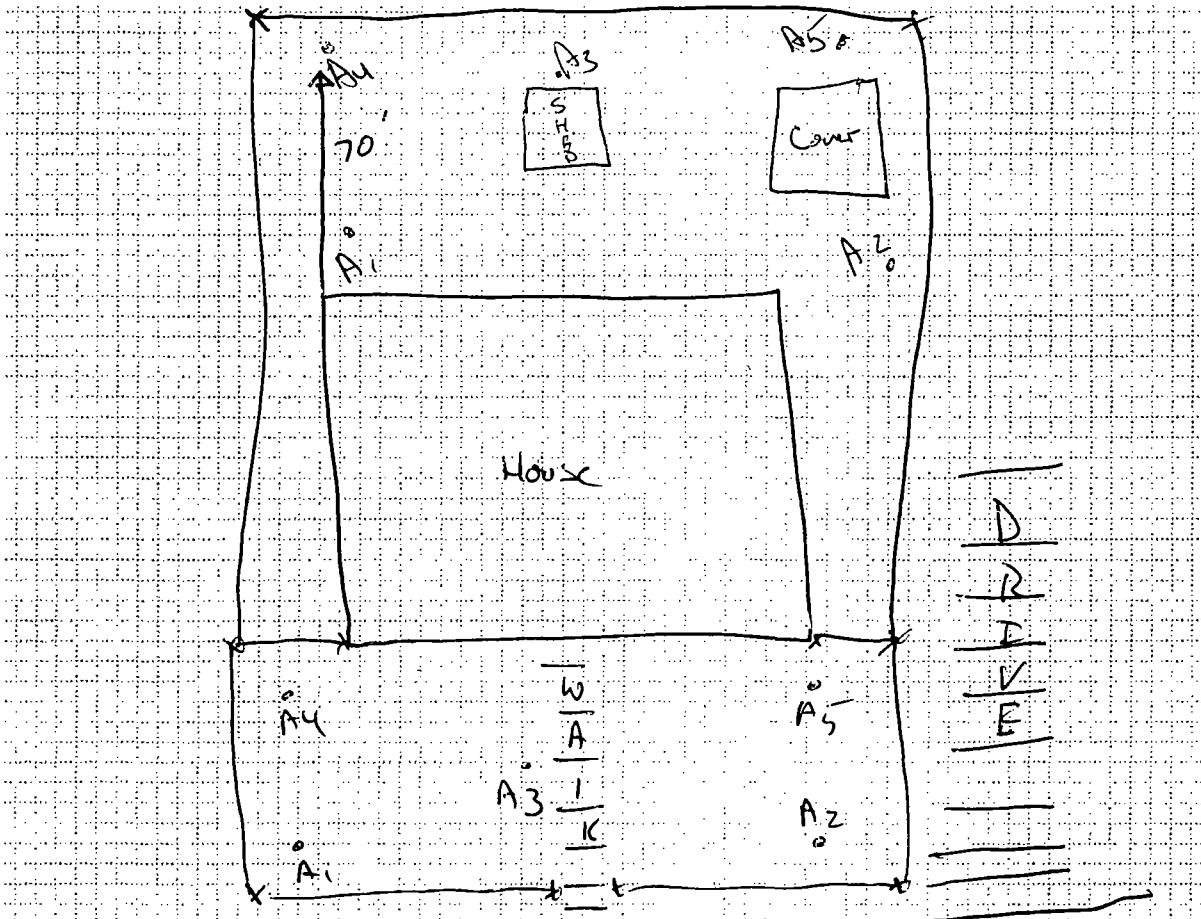
ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

35° Sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: CV0386 SAMPLE ID: CV0386A-CS-SP

SAMPLE COLLECTION TIME: 1355

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: CV0386A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55671957</u>	N Longitude <u>86.79938669</u>	W
Media description: <u>Brown Silty Soil</u>		
Aliquot #2: Latitude: <u>33.55663686</u>	N Longitude <u>86.79938928</u>	W
Media description: <u>SAME</u>		
Aliquot #3: Latitude: <u>33.55667604</u>	N Longitude <u>86.79936293</u>	W
Media description: <u>SAME</u>		
Aliquot #4: Latitude: <u>33.55671205</u>	N Longitude <u>86.79934910</u>	W
Media description: <u>SAME</u>		
Aliquot #5: Latitude: <u>33.55663145</u>	N Longitude <u>86.79935197</u>	W
Media description: _____		

STATION ID: CV0386 SAMPLE ID: CV0386B-CS-SP

SAMPLE COLLECTION TIME: 1410

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: CV0386B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55669763</u>	N Longitude <u>86.79916416</u>	W
Media description: <u>Dark Brown Silty Soil</u>		
Aliquot #2: Latitude: <u>33.55659505</u>	N Longitude <u>86.79917898</u>	W
Media description: <u>SAME</u>		
Aliquot #3: Latitude: <u>33.55666008</u>	N Longitude <u>86.79906919</u>	W
Media description: <u>SAME</u>		
Aliquot #4: Latitude: <u>33.55669488</u>	N Longitude <u>86.79897044</u>	W
Media description: <u>SAME</u>		
Aliquot #5: Latitude: <u>33.55660189</u>	N Longitude <u>86.79897585</u>	W
Media description: <u>SAME</u>		

(b) (6)

ADDRESS:

PROPERTY ID: CV0398

DATE: 2/27/13

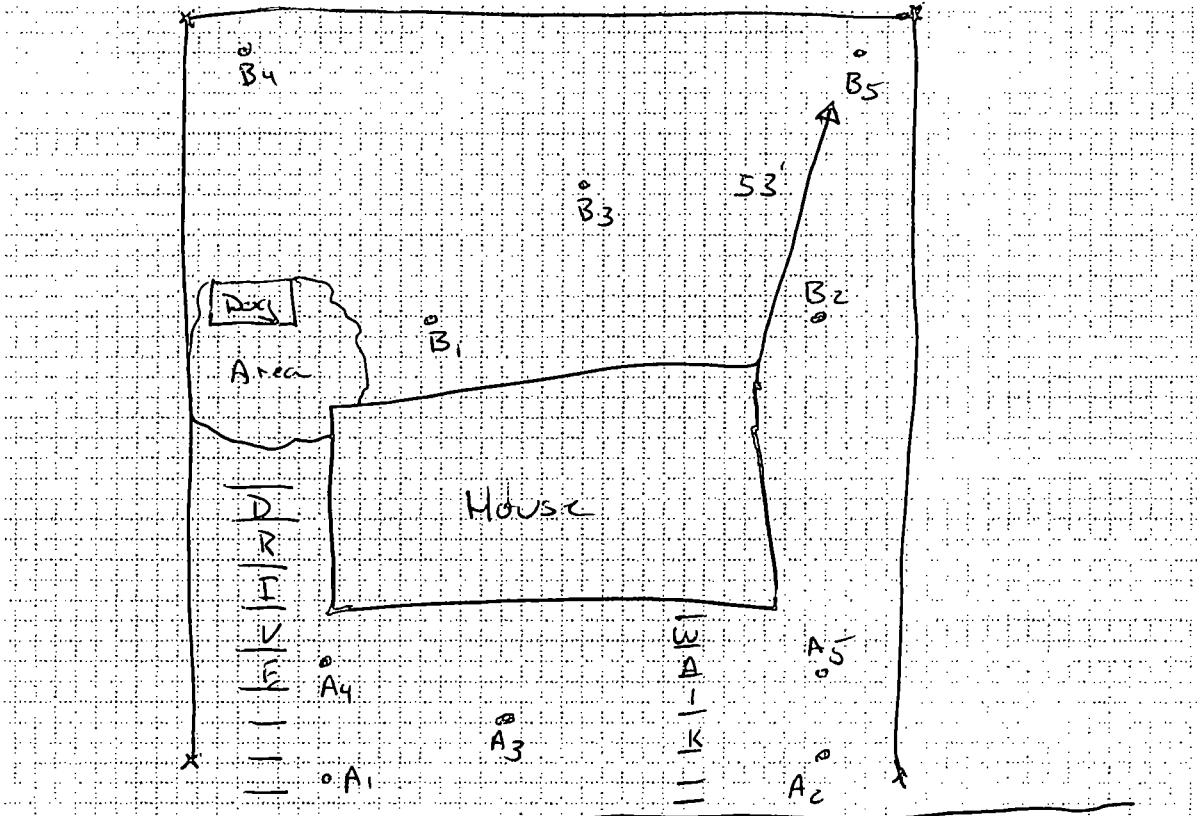
ARRIVAL TIME: 1415

Other pertinent information (weather conditions, etc.):

55° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)



STATION ID: CV0398 SAMPLE ID: CV0398A-CS-SP

SAMPLE COLLECTION TIME: 1440

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: CV0398A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55759742</u> N Longitude <u>86.79955490</u>	W
Media description: <u>Brown Silty Soil Dark</u>	
Aliquot #2 Latitude: <u>33.55766348</u> N Longitude <u>86.79956346</u>	W
Media description: <u>SAME</u>	
Aliquot #3: Latitude: <u>33.55762756</u> N Longitude <u>86.79958851</u>	W
Media description: <u>SAME</u>	
Aliquot #4: Latitude: <u>33.55759624</u> N Longitude <u>86.79961939</u>	W
Media description: <u>SAME</u>	
Aliquot #5: Latitude: <u>33.55765457</u> N Longitude <u>86.79961677</u>	W
Media description: <u>SAME</u>	

STATION ID: CV0398 SAMPLE ID: CV0398B-CS-SP

SAMPLE COLLECTION TIME: 1450

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: CV0398B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55760845</u> N Longitude <u>86.79981637</u>	W
Media description: <u>Dark Brown Silty Clay</u>	
Aliquot #2 Latitude: <u>33.55765643</u> N Longitude <u>86.79979428</u>	W
Media description: <u>SAME</u>	
Aliquot #3: Latitude: <u>33.55760717</u> N Longitude <u>86.79987194</u>	W
Media description: <u>SAME</u>	
Aliquot #4: Latitude: <u>33.55756784</u> N Longitude <u>86.79994708</u>	W
Media description: <u>SAME</u>	
Aliquot #5: Latitude: <u>33.55765689</u> N Longitude <u>86.79995299</u>	W
Media description: <u>SAME</u>	

ADDRESS: (b) (6)

PROPERTY ID: CV0402

DATE: 2/27/13

ARRIVAL TIME: 1500

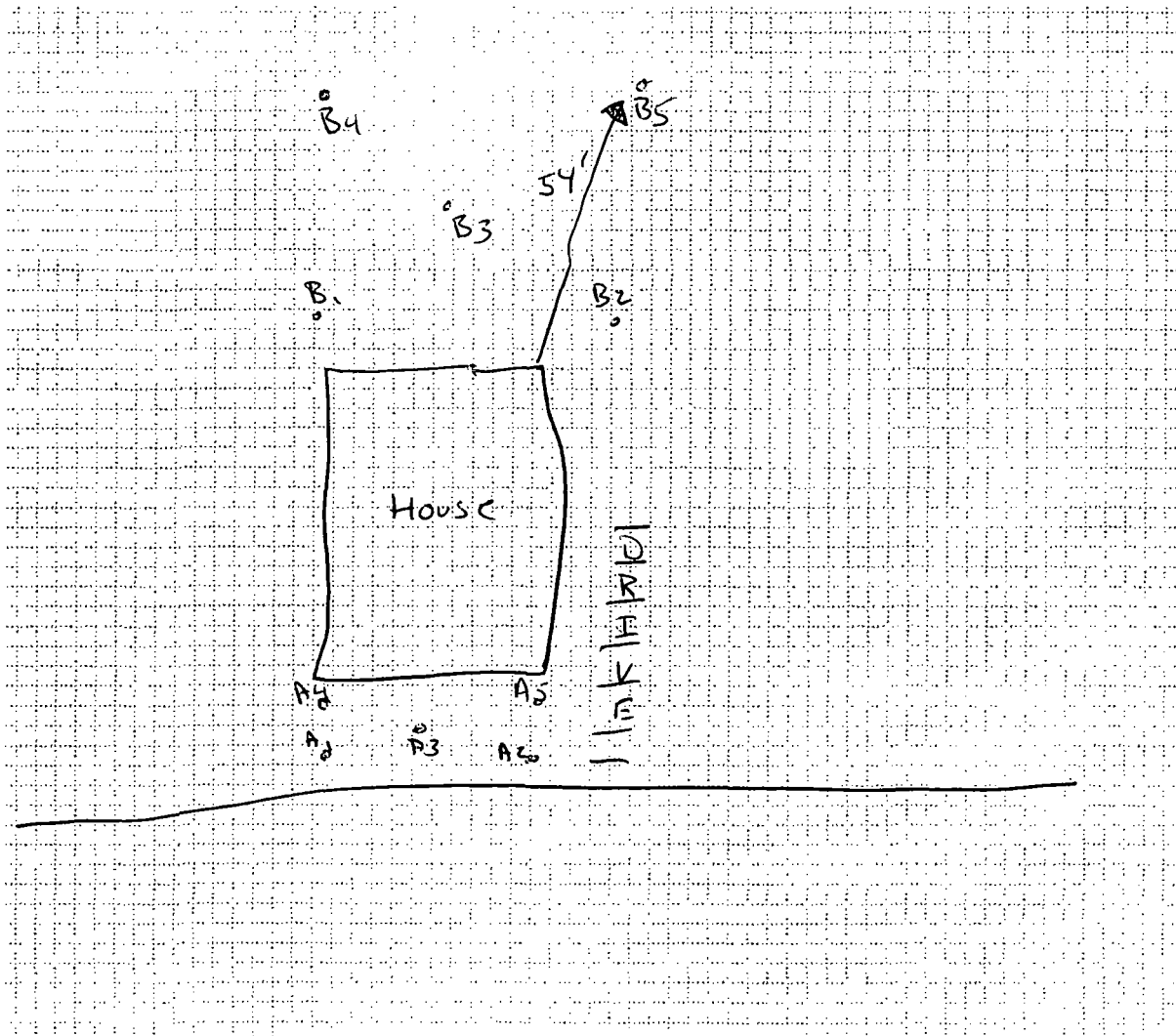
Other pertinent information (weather conditions, etc.):

55° sunny

PROPERTY COMMENTS:

Property is Empty

Grid for property sketch



STATION ID: CV0402 SAMPLE ID: CV0402A-CS-SP

SAMPLE COLLECTION TIME: 1515

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: CV0402A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55760845</u>	N Longitude <u>86.79981637</u> W
Media description: <u>Brown silty Soil</u>	
Aliquot #2: Latitude: <u>33.55765643</u>	N Longitude <u>86.79979428</u> W
Media description: <u>SAME</u>	
Aliquot #3: Latitude: <u>33.55760717</u>	N Longitude <u>86.79987194</u> W
Media description: <u>SAME</u>	
Aliquot #4: Latitude: <u>33.55756784</u>	N Longitude <u>86.79994708</u> W
Media description: <u>SAME</u>	
Aliquot #5: Latitude: <u>33.55765689</u>	N Longitude <u>86.79495299</u> W
Media description: <u>SAME</u>	

STATION ID: CV0402 SAMPLE ID: CV0402B-CS-SP

SAMPLE COLLECTION TIME: 1530

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: CV0402B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55779850</u>	N Longitude <u>86.79981403</u> W
Media description: <u>Dark Brown silty Clay</u>	
Aliquot #2: Latitude: <u>33.55786886</u>	N Longitude <u>86.79981319</u> W
Media description: <u>Dark Brown silty Clay</u>	
Aliquot #3: Latitude: <u>33.55782952</u>	N Longitude <u>86.79985876</u> W
Media description: <u>Dark Brown silty Clay</u>	
Aliquot #4: Latitude: <u>33.55779546</u>	N Longitude <u>86.79993965</u> W
Media description: <u>Dark Brown silty Clay</u>	
Aliquot #5: Latitude: <u>33.55786570</u>	N Longitude <u>86.79993972</u> W
Media description: <u>Dark Brown silty clay</u>	

ADDRESS: (b) (6)

PROPERTY ID: HP 0329

DATE: 2/28/13

ARRIVAL TIME: 0830

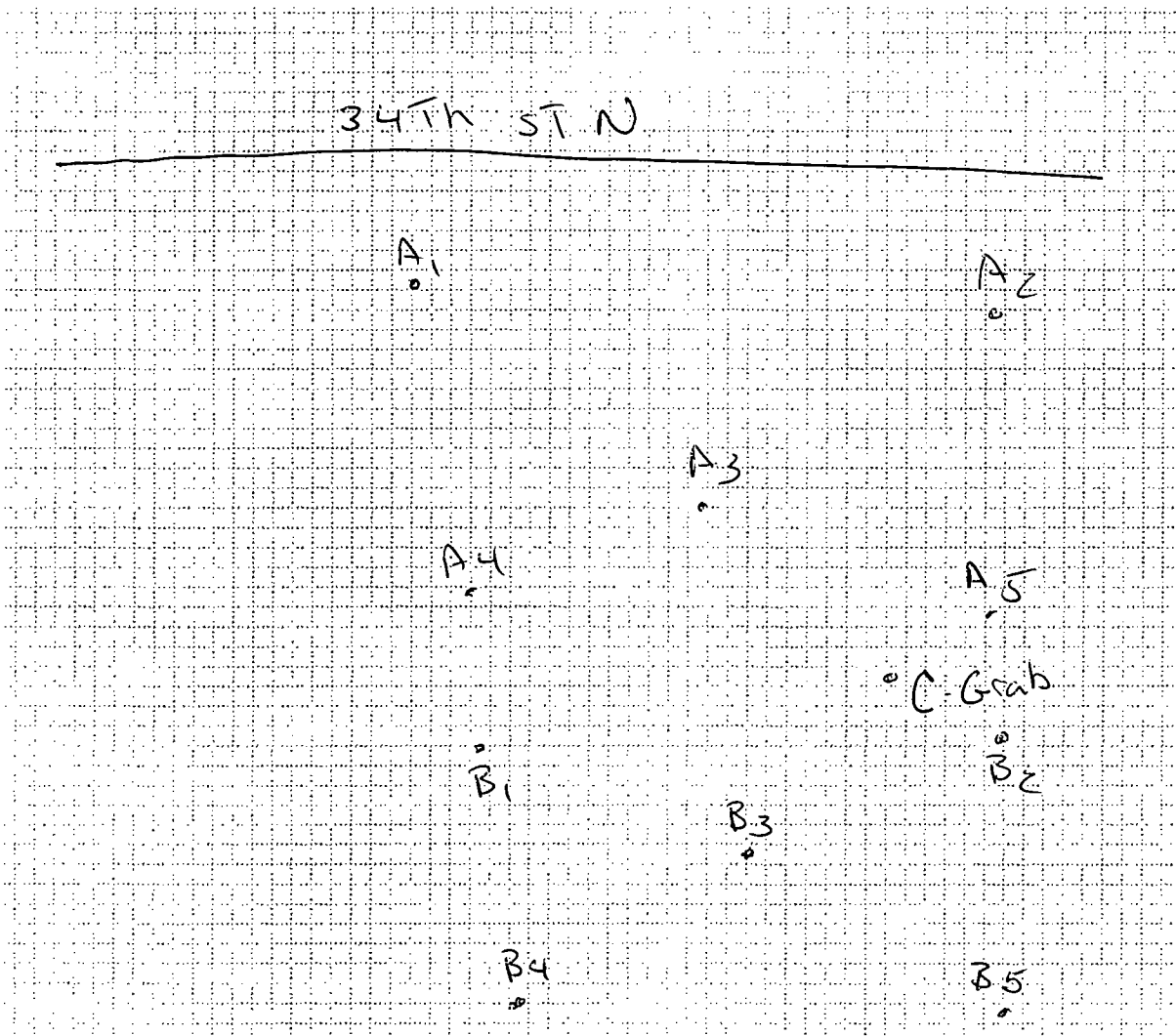
Other pertinent information (weather conditions, etc.):

40° sunny

PROPERTY COMMENTS:

Empty parcel

Grid for property sketch



STATION ID: HP0329 SAMPLE ID: HP0329A-CS-SP

SAMPLE COLLECTION TIME: 0920

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

Front North of Parcel

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0329A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56181890</u> N Longitude <u>86.79776769</u> W Media description: <u>Brown clay wet</u>
Aliquot #2: Latitude: <u>33.56181075</u> N Longitude <u>86.79787615</u> W Media description: <u>Brown clay wet</u>
Aliquot #3: Latitude: <u>33.56177583</u> N Longitude <u>86.79782367</u> W Media description: <u>Light Brown Red clay wet</u>
Aliquot #4: Latitude: <u>33.56175055</u> N Longitude <u>86.79777428</u> W Media description: <u>Brown clay wet</u>
Aliquot #5: Latitude: <u>33.56173458</u> N Longitude <u>86.79787721</u> W Media description: <u>Brown clay wet</u>

STATION ID: HP0329 SAMPLE ID: HP0329B-CS-SP

SAMPLE COLLECTION TIME: 0900

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

Back south of Parcel

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0329B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56170791</u> N Longitude <u>86.79777236</u> W Media description: <u>Brown clay wet</u>
Aliquot #2: Latitude: <u>33.56169819</u> N Longitude <u>86.79786490</u> W Media description: <u>Brown clay wet</u>
Aliquot #3: Latitude: <u>33.56165762</u> N Longitude <u>86.79783450</u> W Media description: <u>Light Brown clay wet</u>
Aliquot #4: Latitude: <u>33.56162042</u> N Longitude <u>86.79777549</u> W Media description: <u>Brown clay wet</u>
Aliquot #5: Latitude: <u>33.56162085</u> N Longitude <u>86.79786779</u> W Media description: <u>Brown clay wet</u>

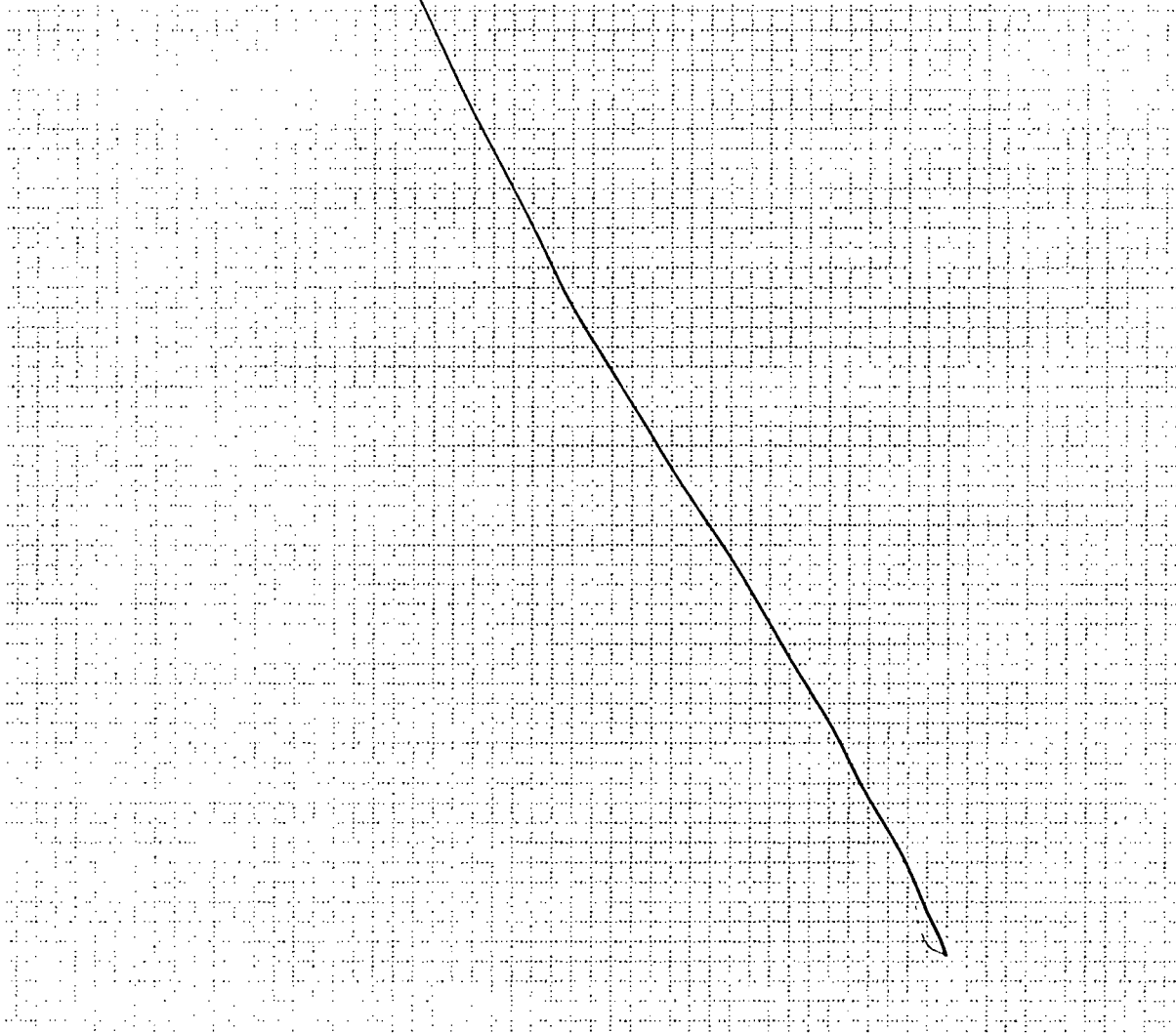
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HPO329 SAMPLE ID: HPO329C-Grab-SP

SAMPLE COLLECTION TIME: 0930

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

Center area

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO329C-G-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56172005</u> N Longitude <u>86.79779110</u> W Media description: <u>Brown silty soil wet</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: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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: _____
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: H20008

DATE: 2/28/13

ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty parcel

Grid for property sketch



35th Ave N

A2

A1

A3

A4

A5

B2

B1

B3

B5

B4

STATION ID: HP0008 SAMPLE ID: HP0008A-CS-SP

SAMPLE COLLECTION TIME: 0950

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

North of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0008A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.56188410</u>	N Longitude <u>86.79788938</u> W
Media description: <u>Coal Brown silty soil</u>	
Aliquot #2: Latitude: <u>33.56186917</u>	N Longitude <u>86.79795008</u> W
Media description: <u>Brown silty soil</u>	
Aliquot #3: Latitude: Red Clay <u>33.56181468</u>	N Longitude <u>86.79792085</u> W
Media description: <u>Redish Clay & Brown silty soil</u>	
Aliquot #4: Latitude: <u>33.56174635</u>	N Longitude <u>86.79793181</u> W
Media description: <u>Brown silty soil</u>	
Aliquot #5: Latitude: <u>33.56175179</u>	N Longitude <u>86.79797532</u> W
Media description: <u>Brown silty soil</u>	

STATION ID: HP0008 SAMPLE ID: HP0008B-CS-SP

SAMPLE COLLECTION TIME: 1015

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

South of Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0008B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.56167869</u>	N Longitude <u>86.79792233</u> W
Media description: <u>Dark Brown silty soil</u>	
Aliquot #2: Latitude: <u>33.56168579</u>	N Longitude <u>86.79798937</u> W
Media description: <u>Dark Brown silty soil</u>	
Aliquot #3: Latitude: <u>33.56164195</u>	N Longitude <u>86.79797950</u> W
Media description: <u>Dark Brown silty soil</u>	
Aliquot #4: Latitude: <u>33.56160007</u>	N Longitude <u>86.79793040</u> W
Media description: <u>Light Brown silty soil</u>	
Aliquot #5: Latitude: <u>33.56159678</u>	N Longitude <u>86.79802930</u> W
Media description: <u>Dark Brown silty soil</u>	

ADDRESS: (b) (6)

HP-0330

PROPERTY ID: ~~341~~

DATE: 2/28/13

ARRIVAL TIME: 0830

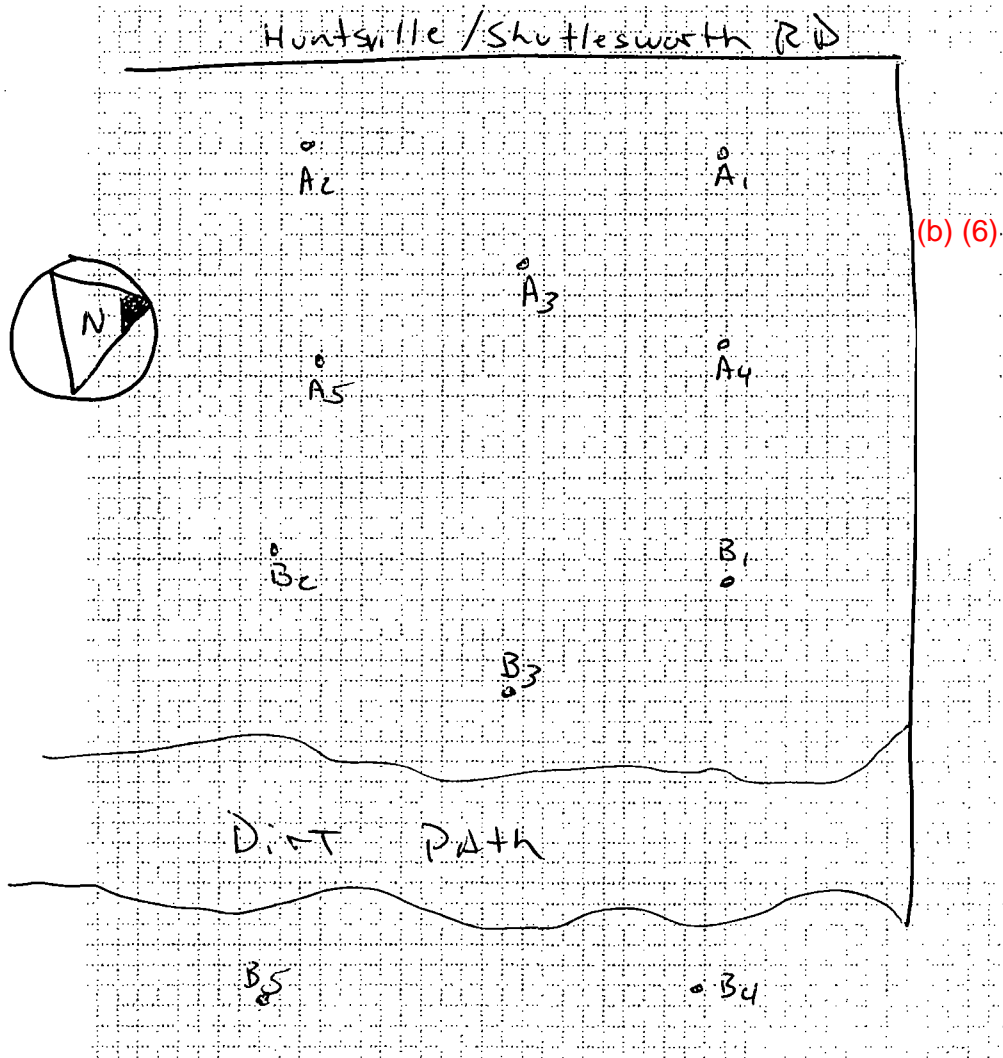
Other pertinent information (weather conditions, etc.):

40° Cold

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: HP0330 SAMPLE ID: HP0330A-CS-SP

SAMPLE COLLECTION TIME: 1045

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

Front West of Parcel

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0330A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.56184429</u>	N Longitude <u>86.79831157</u>	W
Media description:	<u>Brown Clay - wet</u>		
Aliquot #2:	Latitude: <u>33.56178594</u>	N Longitude <u>86.79834752</u>	W
Media description:	<u>Brown silty soil</u>		
Aliquot #3:	Latitude: <u>33.56181922</u>	N Longitude <u>86.79827677</u>	W
Media description:	<u>Brown silty soil</u>		
Aliquot #4:	Latitude: <u>33.56184121</u>	N Longitude <u>86.79823323</u>	W
Media description:	<u>Brown Clay - wet</u>		
Aliquot #5:	Latitude: <u>33.56181203</u>	N Longitude <u>86.79822489</u>	W
Media description:	<u>Brown silty soil</u>		

STATION ID: HP0330 SAMPLE ID: ~~HP00~~ HP0330B-CS-SP

SAMPLE COLLECTION TIME: 1100

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

Back East of Parcel

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0330B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.56184719</u>	N Longitude <u>86.79817831</u>	W
Media description:	<u>wet Brown silty soil</u>		
Aliquot #2:	Latitude: <u>33.56180954</u>	N Longitude <u>86.79814797</u>	W
Media description:	<u>wet Brown silty</u>		
Aliquot #3:	Latitude: <u>33.56181660</u>	N Longitude <u>86.79806400</u>	W
Media description:	<u>Brown silty soil</u>		
Aliquot #4:	Latitude: <u>33.56186801</u>	N Longitude <u>86.79801001</u>	W
Media description:	<u>Brown silty soil</u>		
Aliquot #5:	Latitude: <u>33.56180215</u>	N Longitude <u>86.79801291</u>	W
Media description:	<u>Brown silty soil</u>		

ADDRESS: (b) (6)

PROPERTY ID: CV0724

DATE: 2/28/13

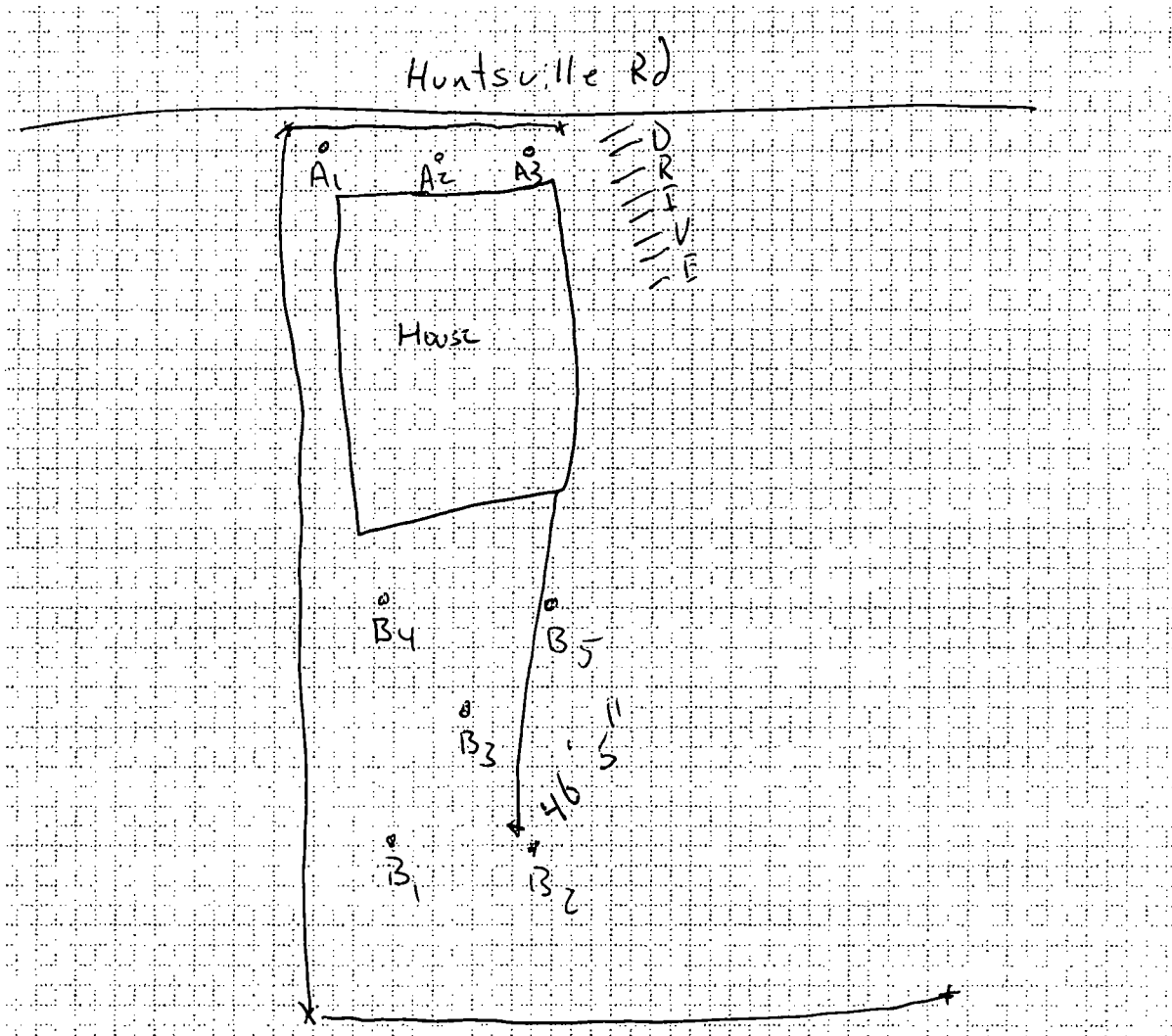
ARRIVAL TIME: 1315

Other pertinent information (weather conditions, etc.):

40° cold.

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0724 SAMPLE ID: CV0724A-CS-SP

SAMPLE COLLECTION TIME: 1355

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: CV0724A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56153740</u> N Longitude <u>86.79855477</u> W Media description: <u>Brown soil</u>
Aliquot #2: Latitude: <u>33.56155291</u> N Longitude <u>86.79850768</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33.56159939</u> N Longitude <u>86.79849506</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

STATION ID: CV0724 SAMPLE ID: CV0724B-CS-SP

SAMPLE COLLECTION TIME: 1335

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: CV0724B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56161151</u> N Longitude <u>86.7987521</u> W Media description: <u>Brown Soil</u>
Aliquot #2: Latitude: <u>33.56156295</u> N Longitude <u>86.79827487</u> W Media description: <u>SAME</u>
Aliquot #3: Latitude: <u>33.56158671</u> N Longitude <u>86.79821988</u> W Media description: <u>SAME</u>
Aliquot #4: Latitude: <u>33.56156409</u> N Longitude <u>86.79818505</u> W Media description: <u>SAME</u>
Aliquot #5: Latitude: <u>33.56161419</u> N Longitude <u>86.79817949</u> W Media description: <u>SAME</u>

ADDRESS: (b) (6)

PROPERTY ID: FM0167

DATE: 3/1/12

ARRIVAL TIME: 0815

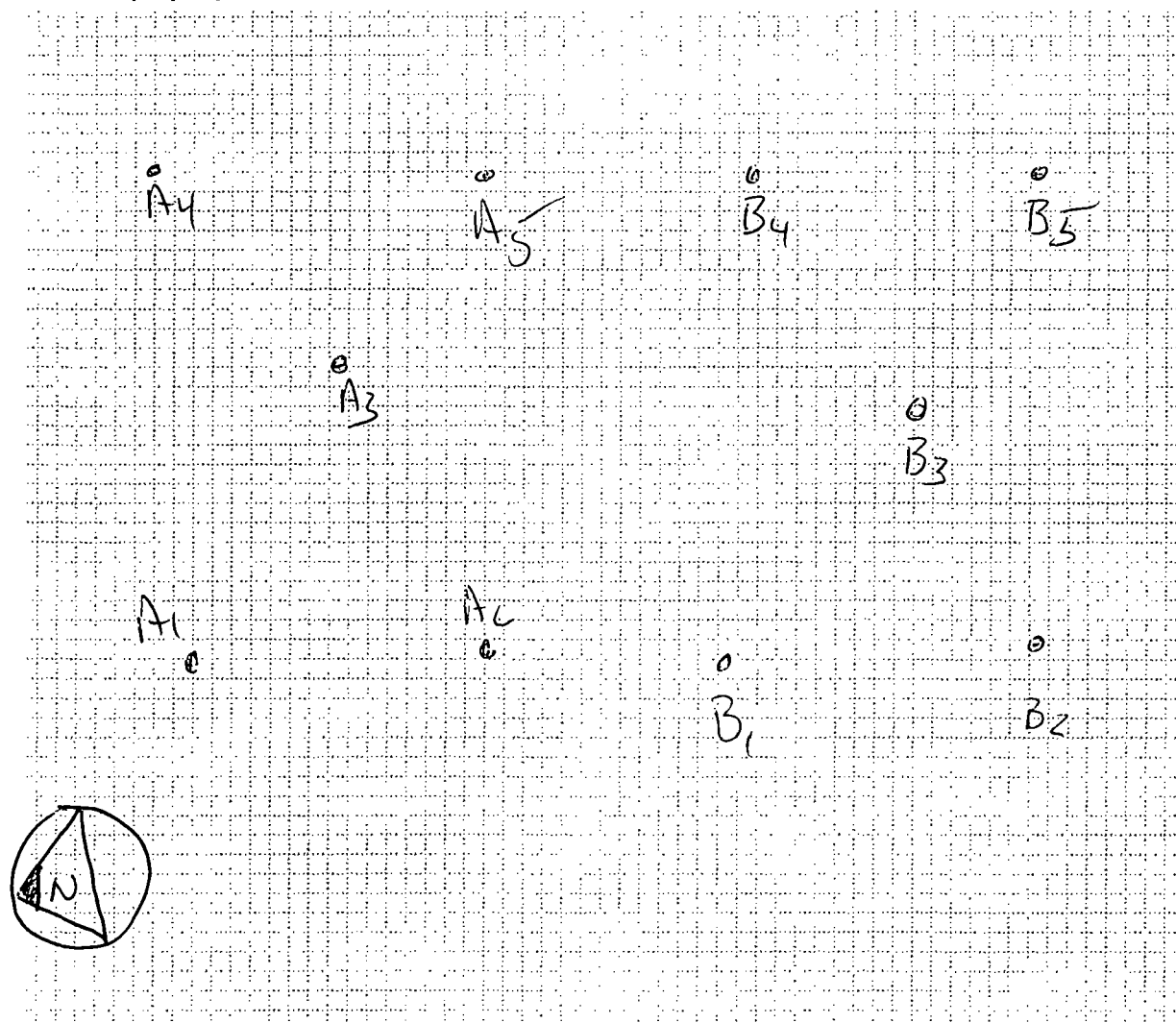
Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty parcel

Grid for property sketch



STATION ID: Fm 0167 SAMPLE ID: FM 0167A-CS

SAMPLE COLLECTION TIME: 0825

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

East side of Parcel

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>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.56939768</u>	N Longitude <u>86.80752514</u> W
	Media description: <u>Brown clay</u>	
Aliquot #2:	Latitude: <u>33.56939754</u>	N Longitude <u>86.80763209</u> W
	Media description: <u>Brown soil</u>	
Aliquot #3:	Latitude: <u>33.56929378</u>	N Longitude <u>86.80757561</u> W
	Media description: <u>Brown soil</u>	
Aliquot #4:	Latitude: <u>33.56918720</u>	N Longitude <u>86.80752908</u> W
	Media description: <u>Brown clay</u>	
Aliquot #5:	Latitude: <u>33.56918901</u>	N Longitude <u>86.80762085</u> W
	Media description: <u>Brown soil</u>	

STATION ID: Fm0167 SAMPLE ID: FM 0167B-CS

SAMPLE COLLECTION TIME: 0840

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

West side of Parcel

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>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.56940081</u>	N Longitude <u>86.80767933</u> W
	Media description: <u>SANDY CLAY LIGHT BROWN</u>	
Aliquot #2:	Latitude: <u>33.56940383</u>	N Longitude <u>86.80772668</u> W
	Media description: <u>SANDY CLAY LIGHT BROWN</u>	
Aliquot #3:	Latitude: <u>33.56926824</u>	N Longitude <u>86.80769481</u> W
	Media description: <u>Brown clay</u>	
Aliquot #4:	Latitude: <u>33.56918465</u>	N Longitude <u>86.80767183</u> W
	Media description: <u>Brown clay</u>	
Aliquot #5:	Latitude: <u>33.56918098</u>	N Longitude <u>86.80773585</u> W
	Media description: <u>Brown clay</u>	

ADDRESS: (b) (6)

PROPERTY ID: FM 0246

DATE: 3/1/13

ARRIVAL TIME: 0815

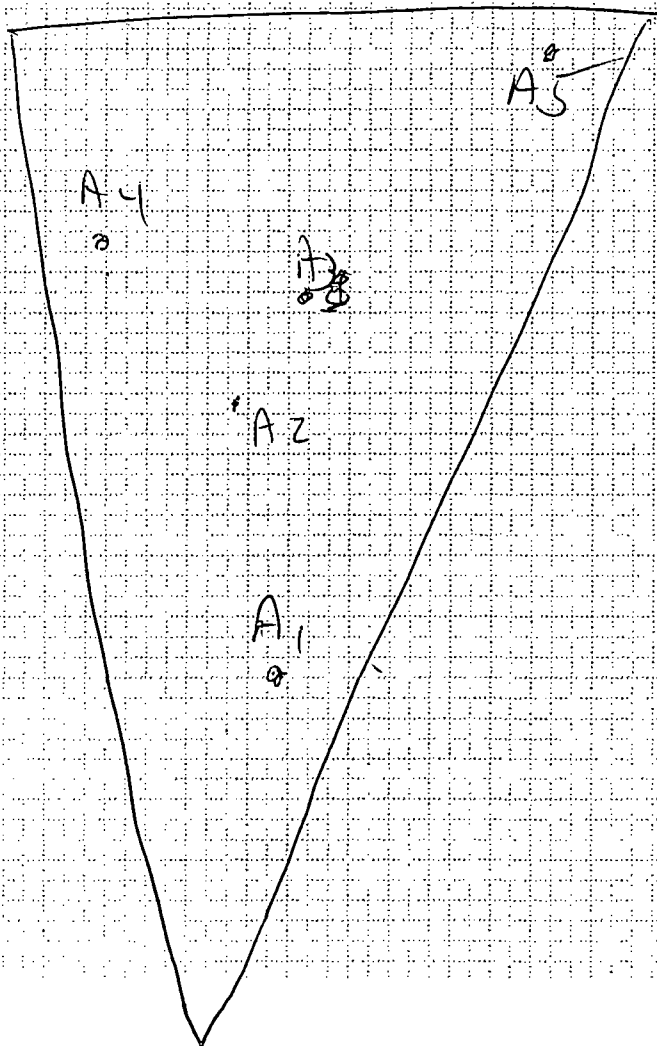
Other pertinent information (weather conditions, etc.):

40° cold

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: FM0246 SAMPLE ID: FM0246A-CS

SAMPLE COLLECTION TIME: 0900

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

Center of Parcel

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>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56934405</u> N Longitude <u>86.80783249</u> W	
Media description: <u>Dark Brown silty clay</u>	
Aliquot #2 Latitude: <u>33.56929543</u> N Longitude <u>86.80780144</u> W	
Media description: <u>Same</u>	
Aliquot #3: Latitude: <u>33.56923287</u> N Longitude <u>86.80782803</u> W	
Media description: <u>Same</u>	
Aliquot #4: Latitude: <u>33.56919254</u> N Longitude <u>86.80780097</u> W	
Media description: <u>Same</u>	
Aliquot #5: Latitude: <u>33.56920609</u> N Longitude <u>86.80787659</u> W	
Media description: <u>Same</u>	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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: _____	
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: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

End of
this logbook
JB

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