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L800029

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 1 of 1

Inclusive Dates: 1/15/13 - 1/18/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		<u>RES</u> , Team Leader
		<u>OTIE</u>



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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 $\frac{1}{4}$ -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 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.

(b) (6)

PROPERTY ID: CVO106

DATE: 1/15/13

ARRIVAL TIME: 0850

Other pertinent information (weather conditions, etc.):

40°F, Cloudy, light Rain

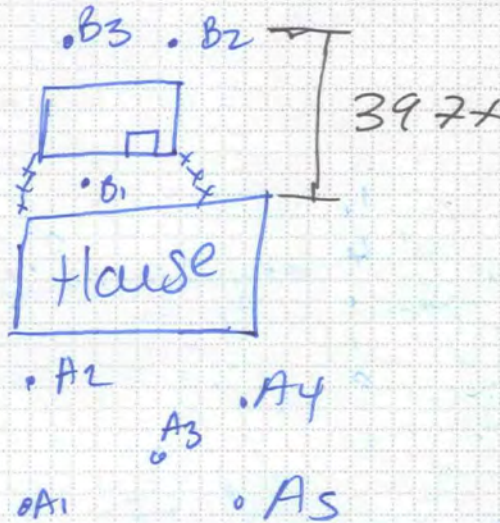
PROPERTY COMMENTS:

Resident Home

w/ (b) (6)

legal attorney team

Grid for property sketch



(b) (6)

STATION ID: CV0106A SAMPLE ID: CV0106A-CS-SP

SAMPLE COLLECTION TIME: 0922

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: CV0106A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55891476</u> N Longitude <u>86.80487689</u> W Media description: <u>DK brown silt moist</u>
Aliquot #2 Latitude: <u>33.55890798</u> N Longitude <u>86.80482793</u> W Media description: <u>DK brown silt moist w/coal</u>
Aliquot #3: Latitude: <u>33.55888444</u> N Longitude <u>86.80484901</u> W Media description: <u>DK brown silt moist</u>
Aliquot #4: Latitude: <u>33.55883686</u> N Longitude <u>86.80482845</u> W Media description: <u>DK brown silt moist</u>
Aliquot #5: Latitude: <u>33.55883631</u> N Longitude <u>86.80486784</u> W Media description: <u>DK brown silt moist</u>

STATION ID: CV0106B SAMPLE ID: CV0106B-CS-SP

SAMPLE COLLECTION TIME: 0912

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: CV0106B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55891616</u> N Longitude <u>86.80467293</u> W Media description: <u>DK brown silty clay w/ gravel + coal fragments wet</u>
Aliquot #2 Latitude: <u>33.55886591</u> N Longitude <u>86.80454355</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55890434</u> N Longitude <u>86.80454457</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>same as 1st</u> N Longitude <u>11513</u> W Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

(b) (6)

ADDRESS: _____

PROPERTY ID: _____

CV0179

DATE: _____

1/15/13

ARRIVAL TIME: _____

0940

Other pertinent information (weather conditions, etc.):

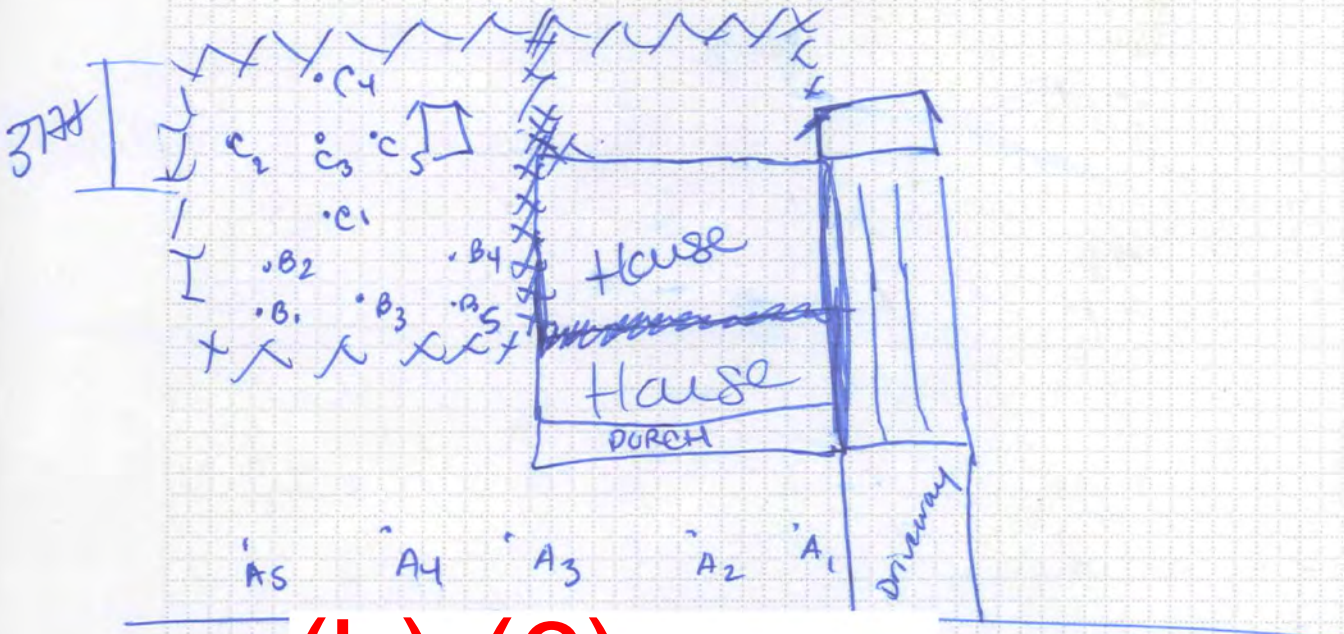
40°F, cloudy, light Rain

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal attorney

Grid for property sketch



(b) (6)

STATION ID: CV0179A

SAMPLE ID: CV0179A-CS-SP

SAMPLE COLLECTION TIME: 0956

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: CV0179A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55885016</u> N Longitude <u>86.80397741</u> W Media description: <u>DK brown silt moist</u>
Aliquot #2 Latitude: <u>33.55890795</u> N Longitude <u>86.80398114</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55898430</u> N Longitude <u>86.80396464</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.55899380</u> N Longitude <u>86.80396076</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: <u>33.55904282</u> N Longitude <u>86.80398644</u> W Media description: <u>same as previous</u>

STATION ID: CV0179B

SAMPLE ID: CV0179B-CS-SP

SAMPLE COLLECTION TIME: 1000

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: CV0179B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55901718</u> N Longitude <u>86.80388044</u> W Media description: <u>DK brown silt moist</u>
Aliquot #2 Latitude: <u>33.55903128</u> N Longitude <u>86.80378928</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55900155</u> N Longitude <u>86.80384716</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.55897089</u> N Longitude <u>86.80379396</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: <u>33.55896028</u> N Longitude <u>86.80389605</u> W Media description: <u>same as previous</u>

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See page 8
Brentley
1/15/13
BB

STATION ID: CV0179C SAMPLE ID: CV0179C-CS-SP

SAMPLE COLLECTION TIME: 10/2

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: CV0179C

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>0187165</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55899490</u> N Longitude <u>86.80375936</u> W Media description: <u>DK brwn silt moist</u>
Aliquot #2 Latitude: <u>33.55906145</u> N Longitude <u>86.80370098</u> W Media description: <u>DK brwn silt moist</u>
Aliquot #3: Latitude: <u>33.55899814</u> N Longitude <u>86.80370462</u> W Media description: <u>DK brwn silt moist w/ gravel</u>
Aliquot #4: Latitude: <u>33.55899948</u> N Longitude <u>86.80364262</u> W Media description: <u>DK brwn silt moist</u>
Aliquot #5: Latitude: <u>33.55895283</u> N Longitude <u>86.80370382</u> W Media description: <u>DK brwn silt moist</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 [<input type="checkbox"/>] 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)

ADI

PROPERTY ID:

CV0548

DATE:

1/15/13

ARRIVAL TIME:

1041

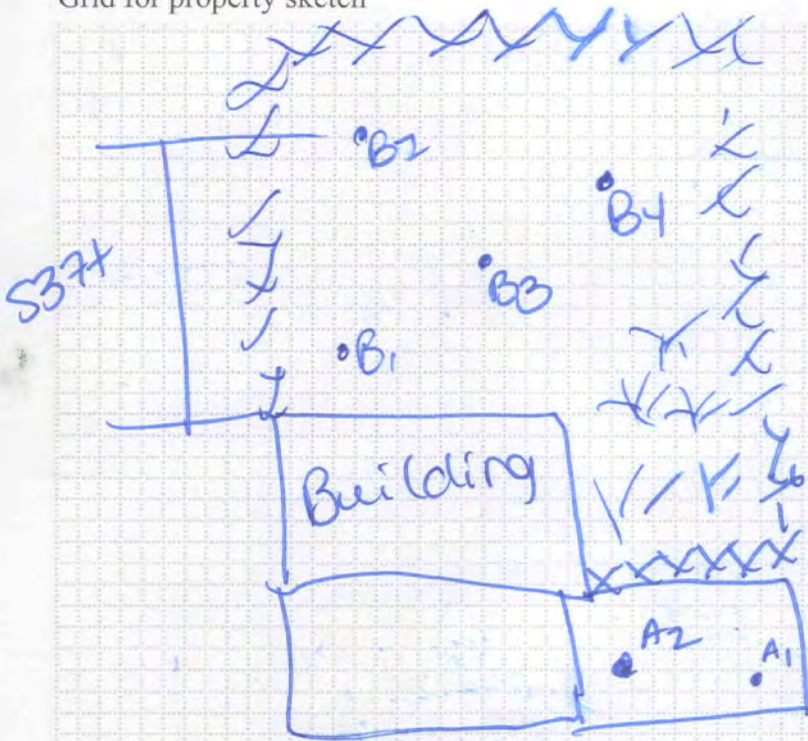
Other pertinent information (weather conditions, etc.):

40°F, Cloudy, light rain

PROPERTY COMMENTS:

Commercial property overgrown
w/ (b) (6) legal attorney team

Grid for property sketch



STATION ID: CV0548A SAMPLE ID: CV0548A-CS-SP

SAMPLE COLLECTION TIME: 1105

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: CV0548A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55560786</u> N Longitude <u>86.79846937</u> W Media description: <u>DK brown silt w/ gravel wet</u>
Aliquot #2 Latitude: <u>33.55558495</u> N Longitude <u>86.79849264</u> W Media description: <u>same as previous</u>
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: CV0548B SAMPLE ID: CV0548B-CS-SP

SAMPLE COLLECTION TIME: 1058

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: CV0548B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55552380</u> N Longitude <u>86.79876961</u> W Media description: <u>DK brown silt w/ gravel wet</u>
Aliquot #2 Latitude: <u>33.55552669</u> N Longitude <u>86.79887175</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55555309</u> N Longitude <u>86.79880608</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.55559328</u> N Longitude <u>86.79881236</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

(b) (6)

A

PROPERTY ID: CV0334

DATE: 1/15/13

ARRIVAL TIME: 1405

Other pertinent information (weather conditions, etc.):

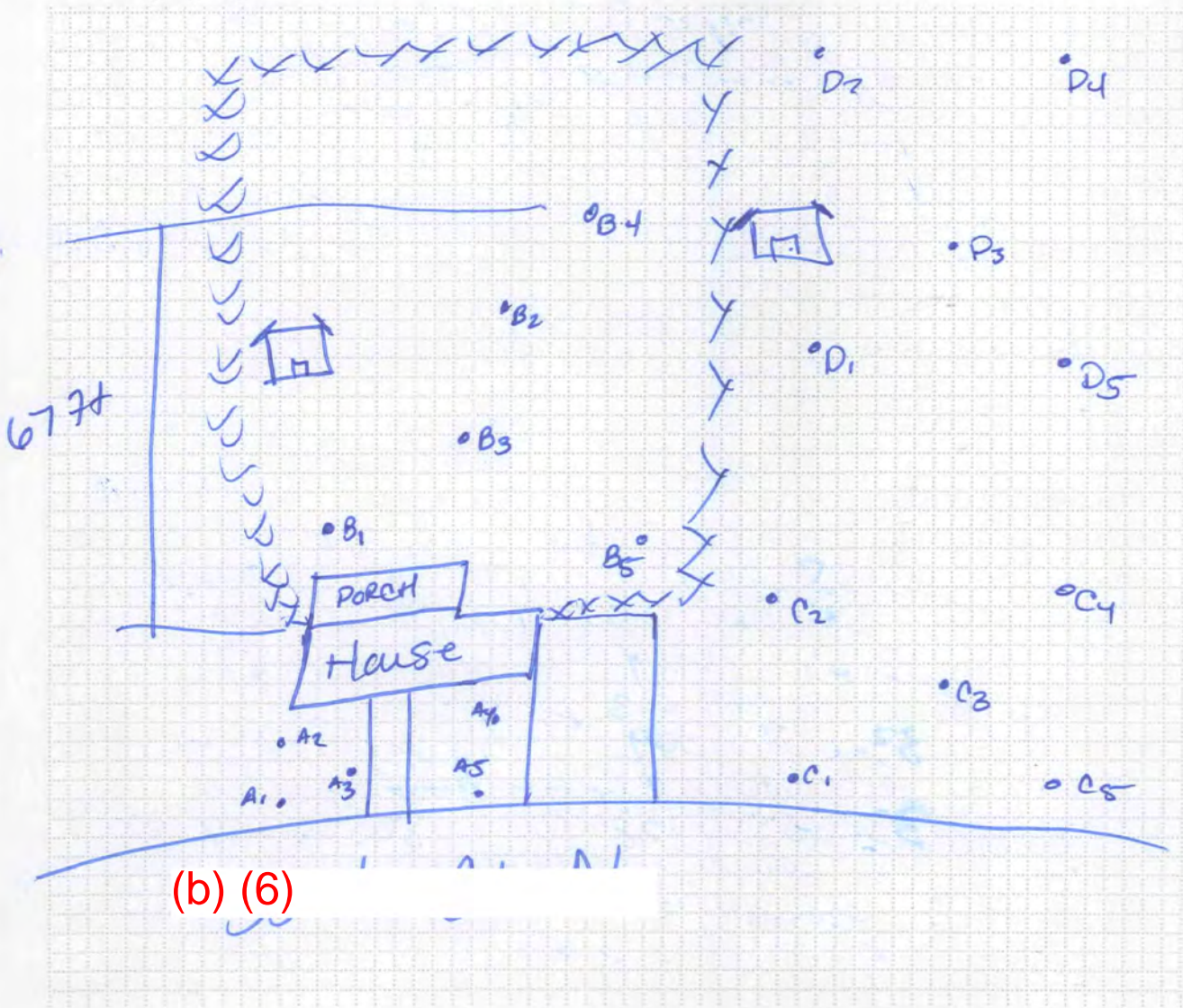
45°F, Cloudy, light Rain

PROPERTY COMMENTS:

Resident Home

(b) (6), legal attorney team

Grid for property sketch



STATION ID: CV0334A SAMPLE ID: CV0334A-CS-SP

SAMPLE COLLECTION TIME: 1420

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: CV0334A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u>	Logged? <u>Y</u> or N
Aliquot #1:	Latitude: <u>33.55600499</u> N Longitude: <u>86.79777903</u> W	
	Media description: <u>DK brown sandy silt w/ iron wet</u>	
Aliquot #2:	Latitude: <u>33.55897176</u> N Longitude: <u>86.79777816</u> W	
	Media description: <u>DK brown sandy silt w/ iron wet</u>	
Aliquot #3:	Latitude: <u>33.55600132</u> N Longitude: <u>86.79781325</u> W	
	Media description: <u>DK brown sandy silt wet</u>	
Aliquot #4:	Latitude: <u>33.55897640</u> N Longitude: <u>86.79787547</u> W	
	Media description: <u>DK brown clay silt wet</u>	
Aliquot #5:	Latitude: <u>33.55600269</u> N Longitude: <u>86.79789447</u> W	
	Media description: <u>DK brown clay silt wet</u>	

STATION ID: CV0334B SAMPLE ID: CV0334B-CS-SP

SAMPLE COLLECTION TIME: 1431

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: CV0334B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u>	Logged? <u>Y</u> or N
Aliquot #1:	Latitude: <u>33.55582288</u> N Longitude: <u>86.79780641</u> W	
	Media description: <u>DK brown silty clay wet</u>	
Aliquot #2:	Latitude: <u>33.55573077</u> N Longitude: <u>86.79787178</u> W	
	Media description: <u>DK brown silty clay wet</u>	
Aliquot #3:	Latitude: <u>33.55577296</u> N Longitude: <u>86.79786904</u> W	
	Media description: <u>DK brown silty clay wet</u>	
Aliquot #4:	Latitude: <u>33.55569810</u> N Longitude: <u>86.79792218</u> W	
	Media description: <u>DK brown silty clay wet</u>	
Aliquot #5:	Latitude: <u>33.55581904</u> N Longitude: <u>86.79789245</u> W	
	Media description: <u>DK brown silty clay wet</u>	

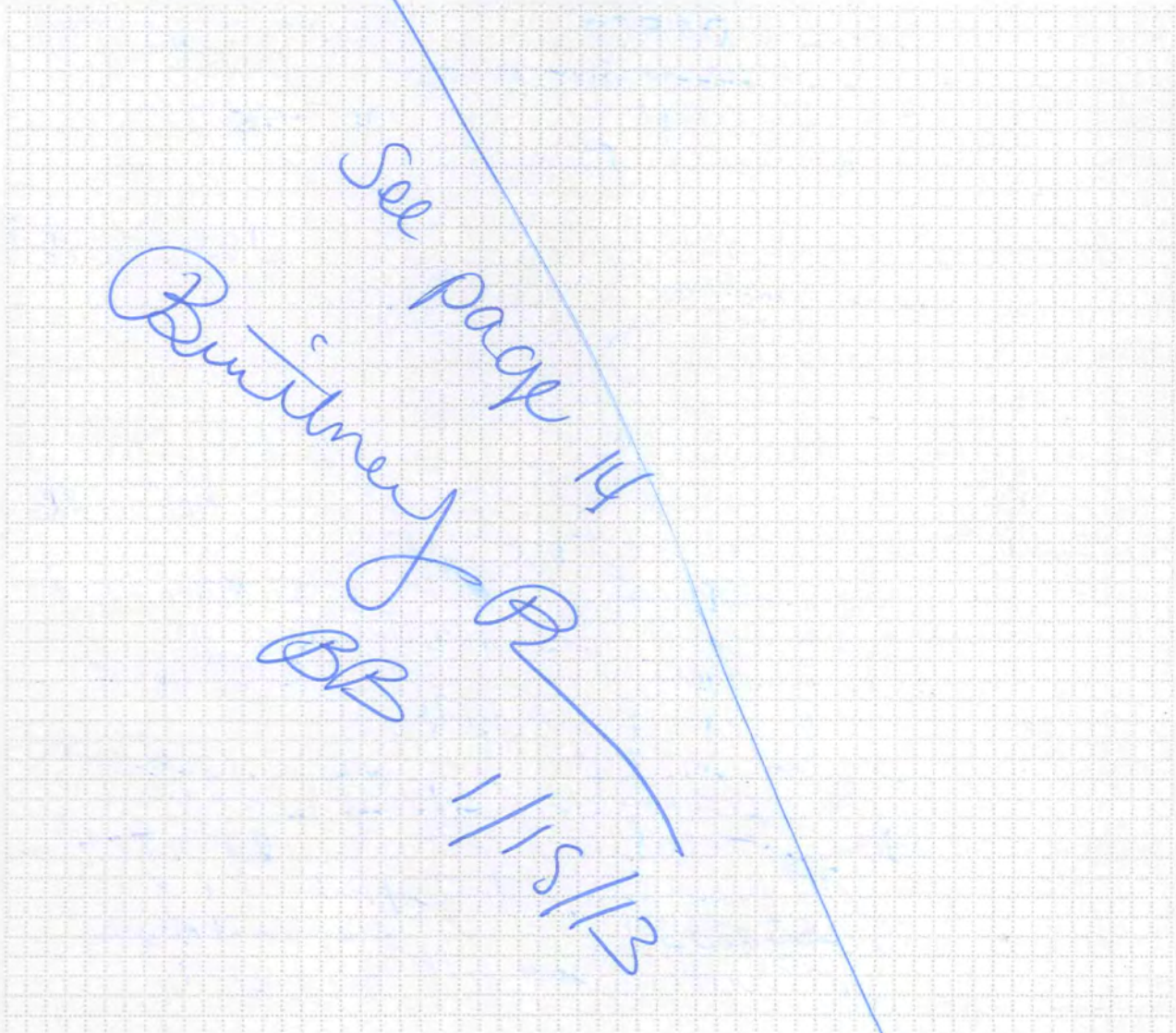
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0334C SAMPLE ID: CV0334C-CS-SP

SAMPLE COLLECTION TIME: 1438

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: CV0334C

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55597687</u> N Longitude: <u>86.79798246</u> W	orange clay + coal fragments wet
Media description: <u>DK brun silt followed by gravel w/</u>	
Aliquot #2 Latitude: <u>33.55588421</u> N Longitude: <u>86.79796585</u> W	
Media description: <u>DK brun silt followed by gravel w/ orange clay +</u>	
Aliquot #3: Latitude: <u>33.55592804</u> N Longitude: <u>86.79802981</u> W	
Media description: <u>DK brun silt wet</u>	coal fragments wet
Aliquot #4: Latitude: <u>33.55588882</u> N Longitude: <u>86.79806644</u> W	
Media description: <u>DK brun silt wet</u>	
Aliquot #5: Latitude: <u>33.55598149</u> N Longitude: <u>86.79806812</u> W	
Media description: <u>DK brun silt wet</u>	

STATION ID: CV0334D SAMPLE ID: CV0334D-CS-SP

SAMPLE COLLECTION TIME: 1450

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: CV0334D

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55582225</u> N Longitude: <u>86.79795634</u> W	orange clay + coal fragments wet
Media description: <u>BK brun sandy silt w/ gravel</u>	
Aliquot #2 Latitude: <u>33.55571010</u> N Longitude: <u>86.79796680</u> W	
Media description: <u>DK brun sandy silt w/ gravel</u>	
Aliquot #3: Latitude: <u>33.55576268</u> N Longitude: <u>86.79799540</u> W	
Media description: <u>DK brun sandy silt w/ gravel</u>	
Aliquot #4: Latitude: <u>33.55570178</u> N Longitude: <u>86.79806731</u> W	
Media description: <u>DK brown sandy silt w/ gravel w/ minor coal fragments</u>	
Aliquot #5: Latitude: <u>33.55581068</u> N Longitude: <u>86.79806410</u> W	
Media description: <u>DK brun sandy silt w/ gravel</u>	

ADDRESS: (b) (6)

PROPERTY ID: CV0819

DATE: 1/15/13

ARRIVAL TIME: 1534

Other pertinent information (weather conditions, etc.):

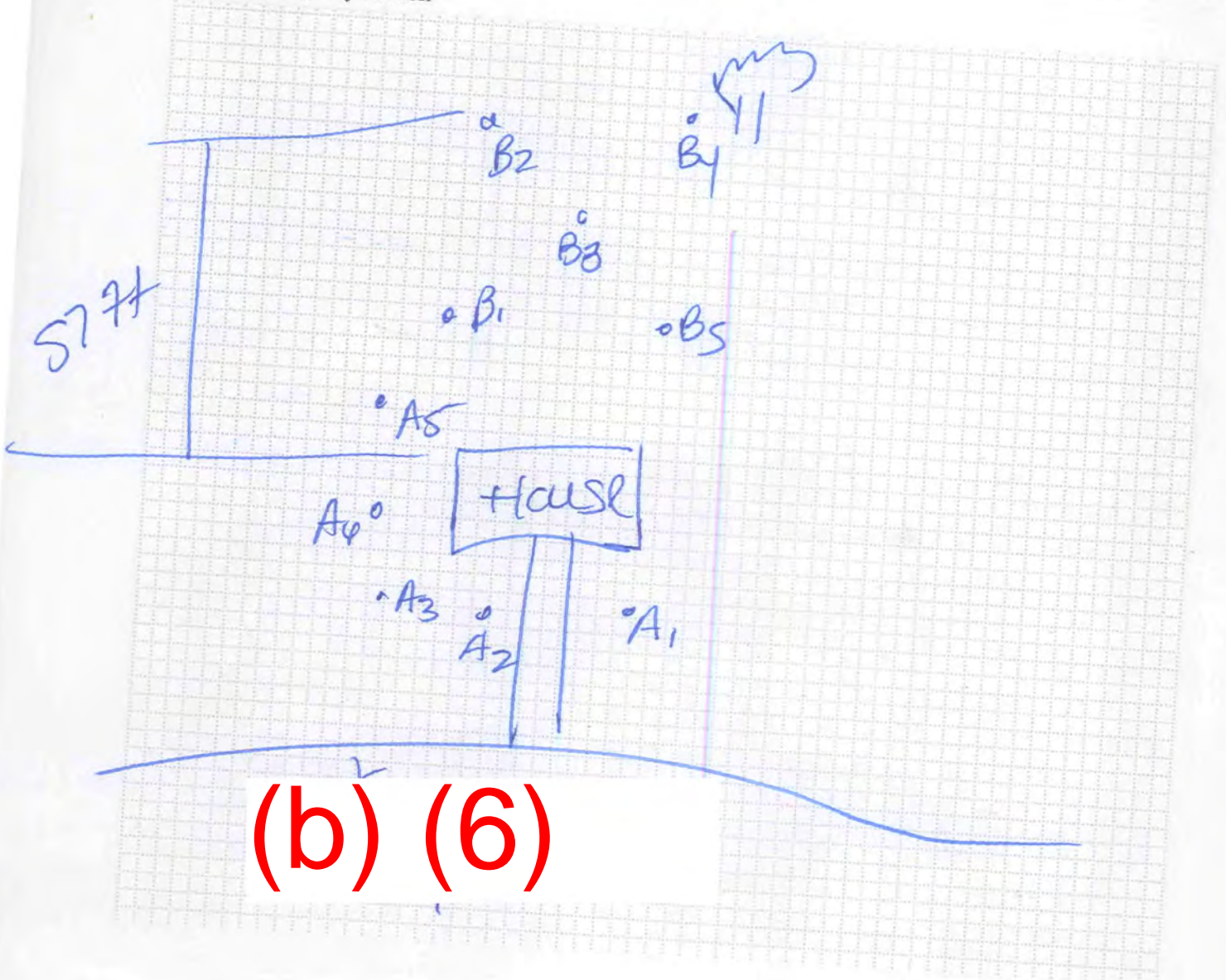
45°F, cloudy, light rain

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal attorney team

Grid for property sketch



STATION ID: CV0819A SAMPLE ID: CV0819A-CS-SP

SAMPLE COLLECTION TIME: 1555

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: CV0819A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55370913</u> N Longitude <u>86.79812912</u> W Media description: <u>DK brown silt moist</u>
Aliquot #2: Latitude: <u>33.55374839</u> N Longitude <u>86.79816929</u> W Media description: <u>DK brown silt moist</u>
Aliquot #3: Latitude: <u>33.55370831</u> N Longitude <u>86.79824107</u> W Media description: <u>DK brown silt moist</u>
Aliquot #4: Latitude: <u>33.55374130</u> N Longitude <u>86.79828818</u> W Media description: <u>DK brown silt moist w/ gravel</u>
Aliquot #5: Latitude: <u>33.55378187</u> N Longitude <u>86.79828928</u> W Media description: <u>DK brown silt moist</u>

STATION ID: CV0819B SAMPLE ID: CV0819B-CS-SP

SAMPLE COLLECTION TIME: 1601

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: CV0819B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55386926</u> N Longitude <u>86.79828968</u> W Media description: <u>DK brown silt moist</u>
Aliquot #2: Latitude: <u>33.55398651</u> N Longitude <u>86.79824901</u> W Media description: <u>DK brown silt moist</u>
Aliquot #3: Latitude: <u>33.55392302</u> N Longitude <u>86.79819029</u> W Media description: <u>DK brown silt moist</u>
Aliquot #4: Latitude: <u>33.55398586</u> N Longitude <u>86.79817065</u> W Media description: <u>DK brown silt moist</u>
Aliquot #5: Latitude: <u>33.55388710</u> N Longitude <u>86.79814534</u> W Media description: <u>DK brown silt moist w/ gravel</u>

ADDRESS: (b) (6)

PROPERTY ID: CV0739

DATE: 1/16/13

ARRIVAL TIME: 0900

Other pertinent information (weather conditions, etc.):

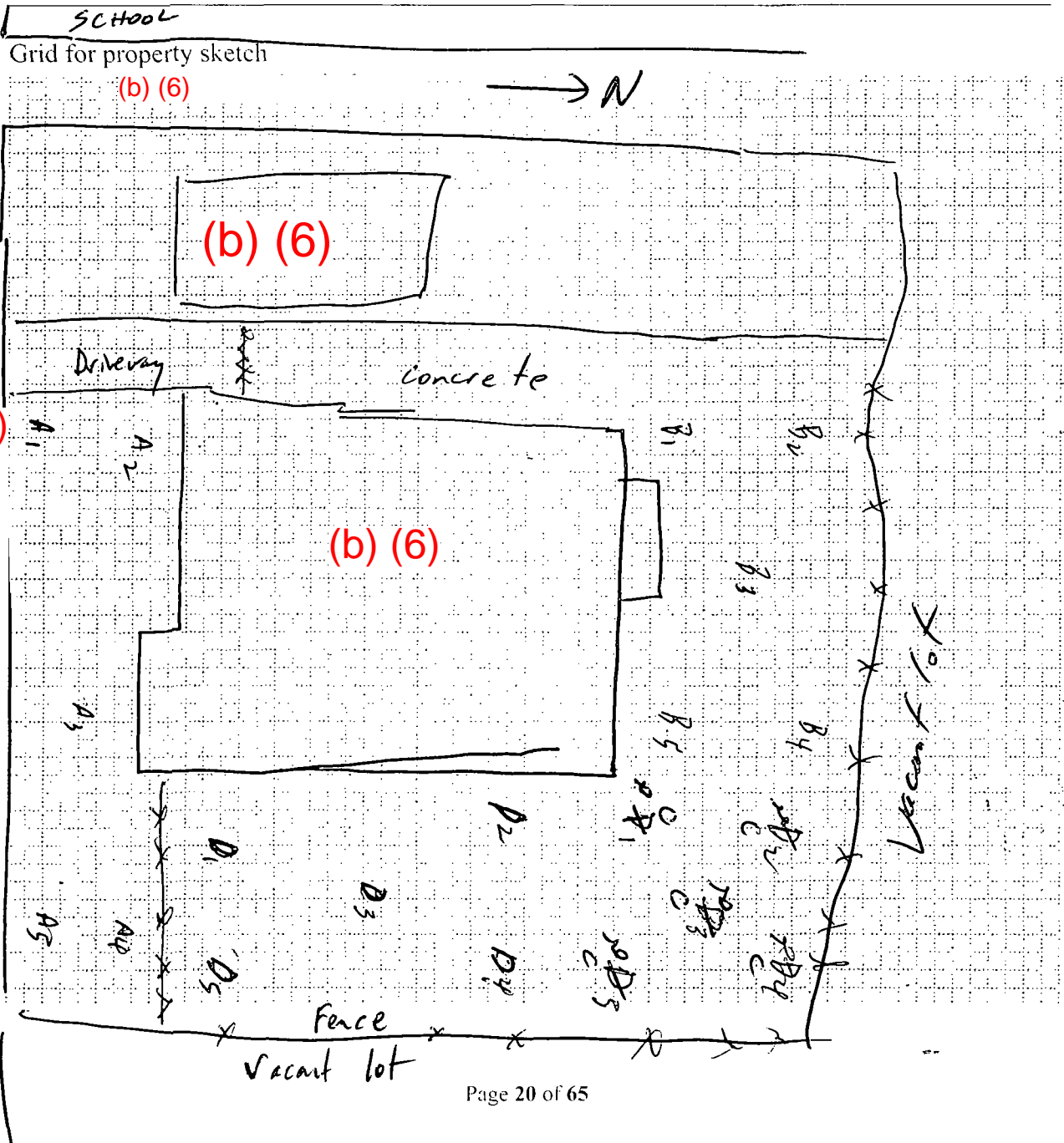
41°F, Light rain, wind variable

PROPERTY COMMENTS:

No resident @ home. (b) (6)

1st Floor

contractor onsite. Double lot



STATION ID: CV0739A SAMPLE ID: CV0739A-CS-SP

SAMPLE COLLECTION TIME: 1913

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: CV0739A-

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55761193</u> N Longitude <u>86.79591691</u> W Media description: <u>dk brown silt w/ coal chips wet</u>
Aliquot #2: Latitude: <u>33.55766155</u> N Longitude <u>86.79591293</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55761471</u> N Longitude <u>86.79579474</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55766392</u> N Longitude <u>86.79567262</u> W Media description: <u>dk brown silt wet</u>
Aliquot #5: Latitude: <u>33.55759823</u> N Longitude <u>86.79567483</u> W Media description: <u>same as Aliq. 1</u>

STATION ID: CV0739B SAMPLE ID: CV0739B-CS-SP

SAMPLE COLLECTION TIME: 0944

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: CV0739B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55780229</u> N Longitude <u>86.79590242</u> W Media description: <u>dk brown silt w/ gravel & coal fragments wet</u>
Aliquot #2: Latitude: <u>33.55786003</u> N Longitude <u>86.79589882</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55783277</u> N Longitude <u>86.79584432</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55786179</u> N Longitude <u>86.79578475</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55781269</u> N Longitude <u>86.79578130</u> W Media description: <u>same as above</u>

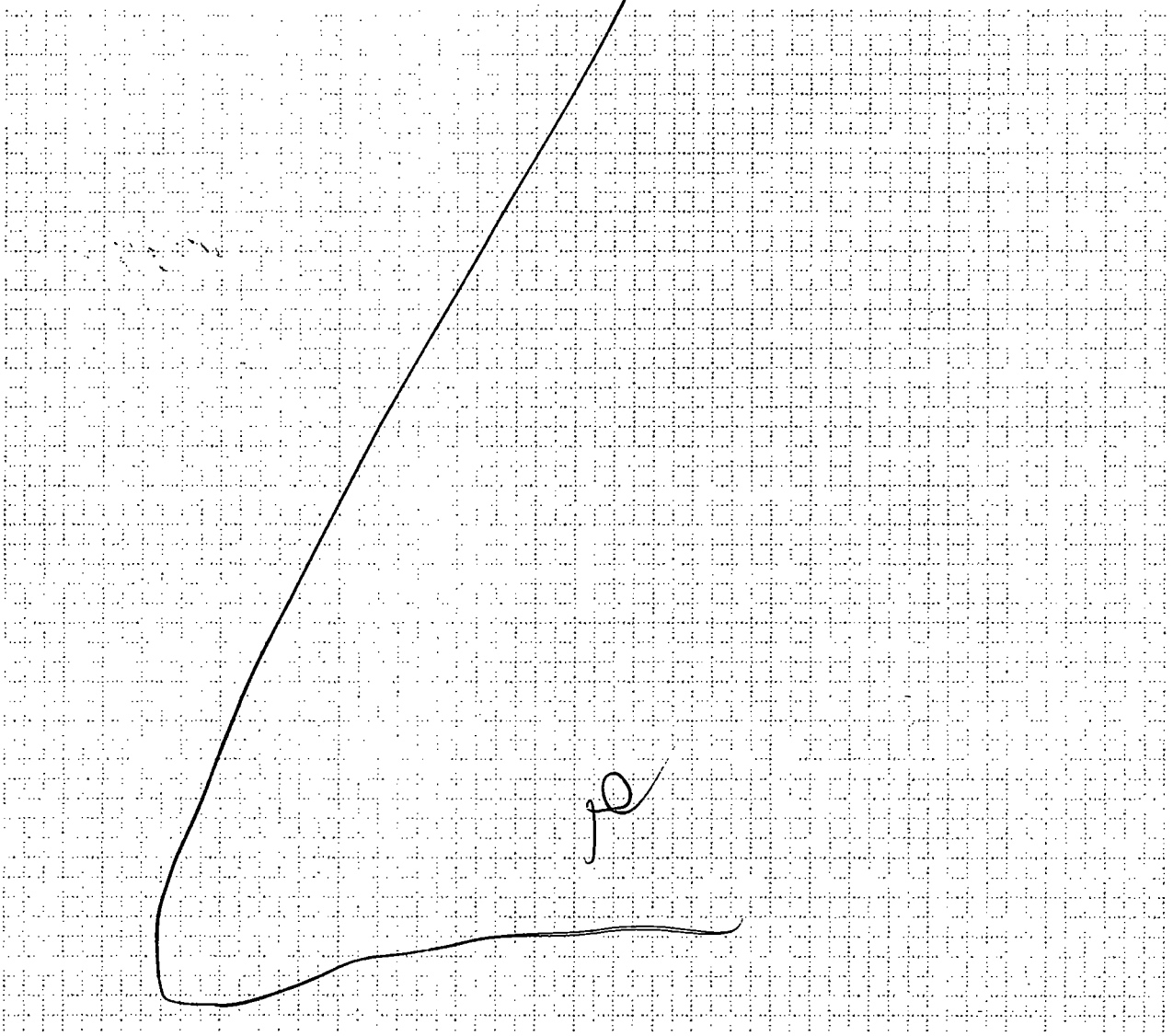
ADDRESS: *SEE PREVIOUS* PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0739C SAMPLE ID: CV0739C-CS-SP

SAMPLE COLLECTION TIME: 0950

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

back (north) E 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: CV0739C

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55783446</u> N Longitude <u>86.79576007</u> W Media description: <u>dk brown silt w/ gravel + coal fragments wet</u>
Aliquot #2: Latitude: <u>33.55790122</u> N Longitude <u>86.79575679</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55784475</u> N Longitude <u>86.79569064</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55788358</u> N Longitude <u>86.79566356</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55779434</u> N Longitude <u>86.79567549</u> W Media description: <u>same as above</u>

STATION ID: CV0739D SAMPLE ID: CV0739D-CS-SP

SAMPLE COLLECTION TIME: 0954

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

front (south) of E 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>18594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55769526</u> N Longitude <u>86.79572417</u> W Media description: <u>dk brown silt w/ gravel wet</u>
Aliquot #2: Latitude: <u>33.55778395</u> N Longitude <u>86.79574604</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55775506</u> N Longitude <u>86.79567621</u> W Media description: _____
Aliquot #4: Latitude: <u>33.55778600</u> N Longitude <u>86.79562788</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55773179</u> N Longitude <u>86.79563134</u> W Media description: <u>same as above</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: _____

DATE: 1/16/13 ARRIVAL TIME: 1020

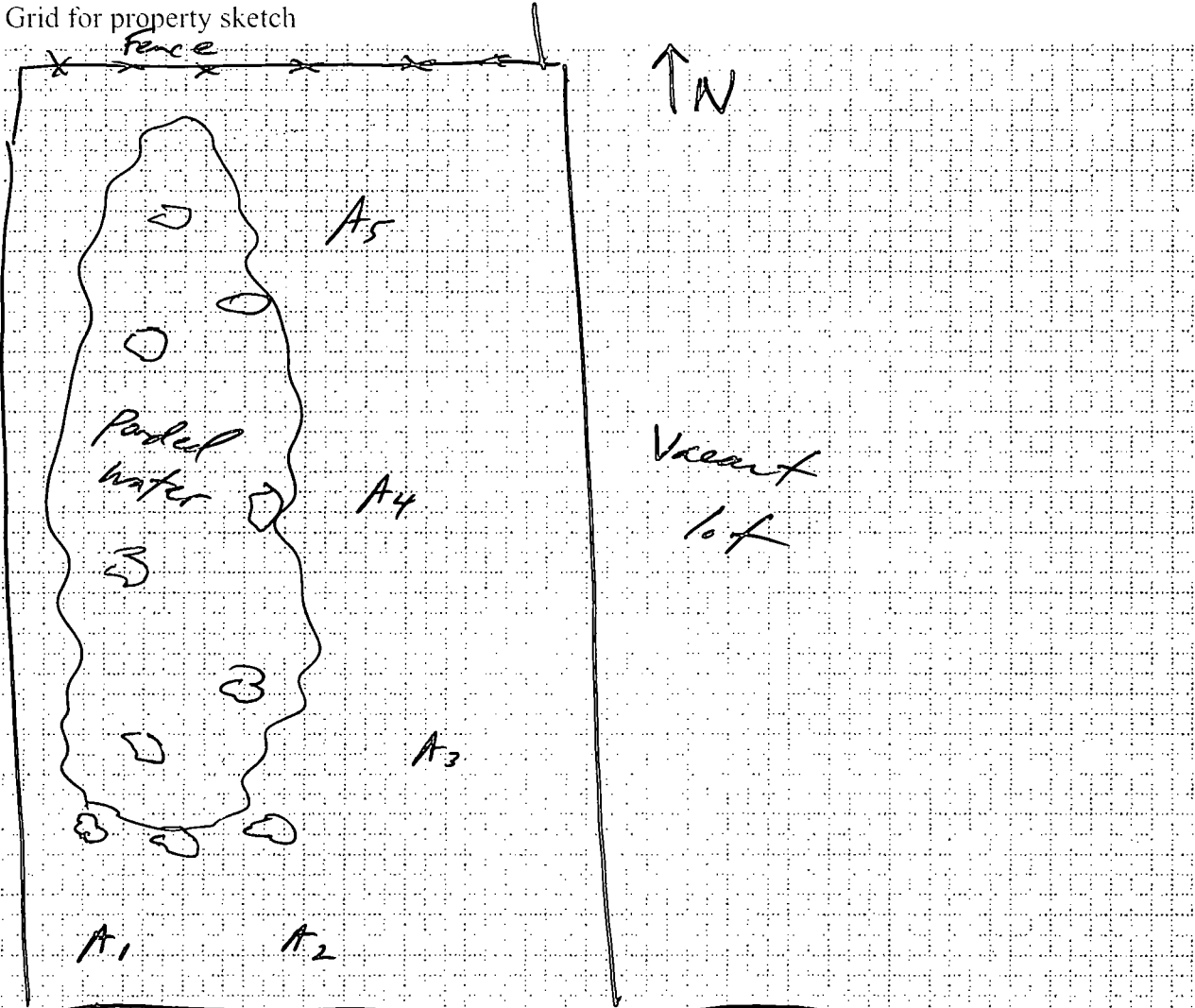
Other pertinent information (weather conditions, etc.):

42°F, light rain with calm

PROPERTY COMMENTS:

Vacant lot. Significant portion of lot is covered with standing water (~75%).

Grid for property sketch



Vacant lot

Vacant lot

(b) (6)

SCRAP WOOD FACILITY

STATION ID: CV0888A SAMPLE ID: CV0888A-CS-SP

SAMPLE COLLECTION TIME: 1038

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

front (south) & east side 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: CV0888

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18524</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33,55686492</u> N Longitude <u>86.79514206</u> W Media description: <u>dk brown silty clay wet</u>
Aliquot #2: Latitude: <u>33,55686609</u> N Longitude <u>86.79505783</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33,55691533</u> N Longitude <u>86.79501493</u> W Media description: <u>light brown silty clay wet</u>
Aliquot #4: Latitude: <u>33,55699018</u> N Longitude <u>86.79501751</u> W Media description: <u>same as Aliq. 1</u>
Aliquot #5: Latitude: <u>33,55707431</u> N Longitude <u>86.79502774</u> W Media description: <u>same as Aliq. 1</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: (b) (6)

PROPERTY ID: CV0890

DATE: 1/16/13

ARRIVAL TIME: 1040 P

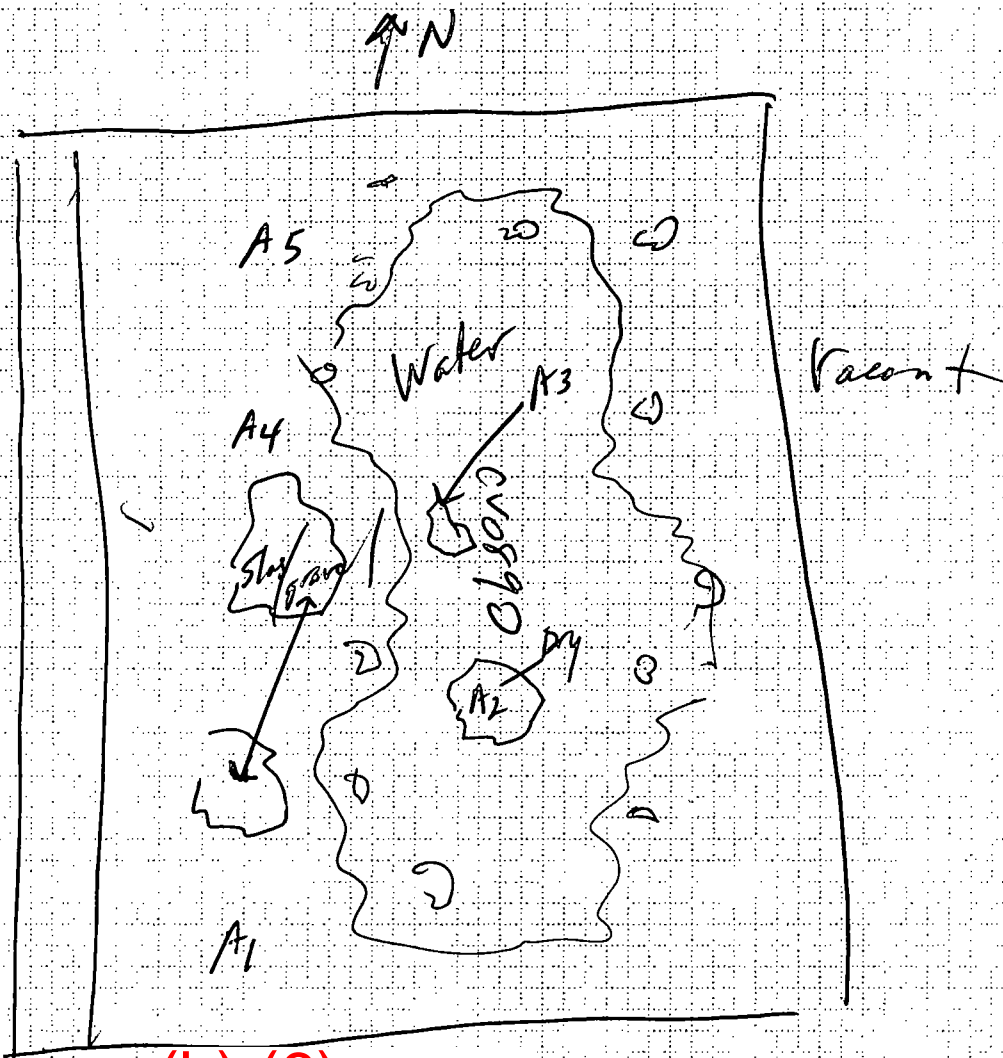
Other pertinent information (weather conditions, etc.):

42° F, light rain, no wind

PROPERTY COMMENTS:

Vacant lot. ~~East~~^{SE} & standing water throughout lot. Observable piles of slag & gravel on west side.

Grid for property sketch



(b) (6)

STATION ID: CV0890A SAMPLE ID: CV0890A-CS-SP

SAMPLE COLLECTION TIME: 1055

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

center & west side 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: CV0890

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/>	or <u>N</u>
Aliquot #1: Latitude: <u>33.55687015</u>	N Longitude: <u>86.7945008</u>		W
Media description: <u>dk brown silt wet</u>			
Aliquot #2: Latitude: <u>33.55695393</u>	N Longitude: <u>86.79479855</u>		W
Media description: <u>same as previous</u>			
Aliquot #3: Latitude: <u>33.55699885</u>	N Longitude: <u>86.79478459</u>		W
Media description: <u>same as previous</u>			
Aliquot #4: Latitude: <u>33.55699238</u>	N Longitude: <u>86.79487425</u>		W
Media description: <u>same as previous</u>			
Aliquot #5: Latitude: <u>33.55708865</u>	N Longitude: <u>86.79488844</u>		W
Media description: <u>same as previous</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: FM10012

DATE:

1/16/13

ARRIVAL TIME:

1300

Other pertinent information (weather conditions, etc.):

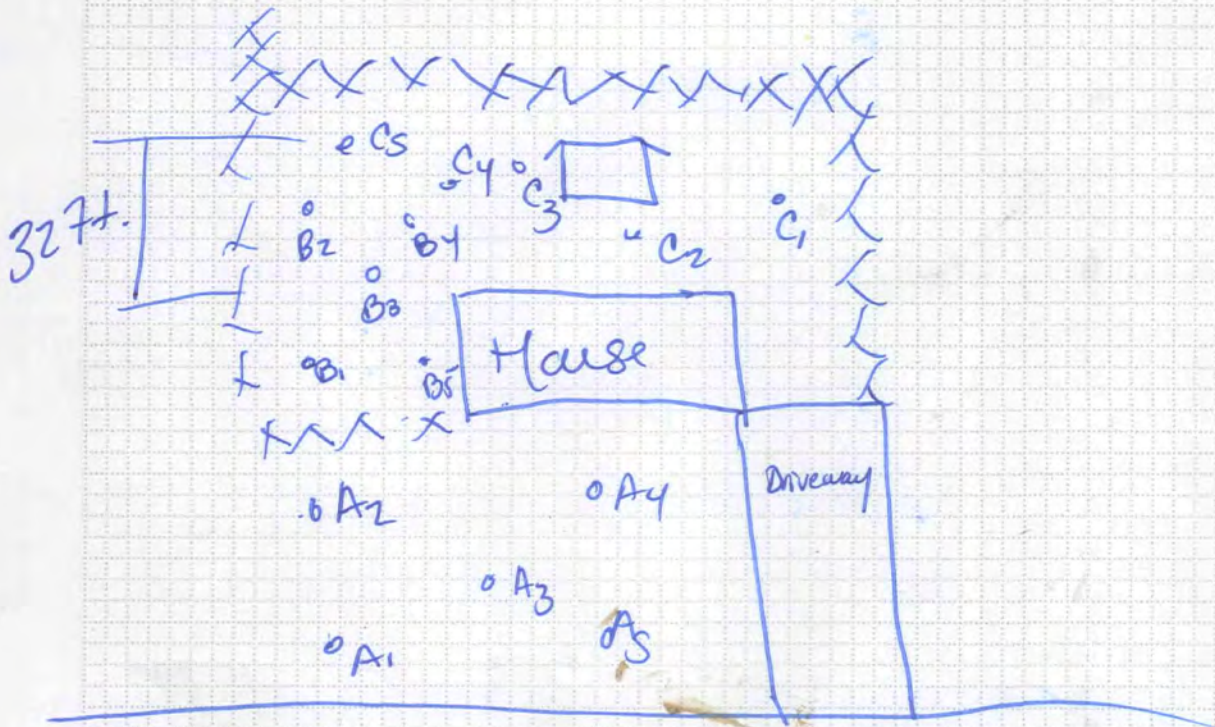
47°F, cloudy, light Rain

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal attorney team

Grid for property sketch



STATION ID: FM0012A SAMPLE ID: FM0012A-CS-SP

SAMPLE COLLECTION TIME: 1315

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: FM0012A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56349355</u>	N Longitude: <u>86.81044751</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #2: Latitude: <u>33.56348537</u>	N Longitude: <u>86.81052305</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #3: Latitude: <u>33.56353021</u>	N Longitude: <u>86.81047687</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #4: Latitude: <u>33.56357624</u>	N Longitude: <u>86.81050982</u>		W
Media description: <u>DK brown silt w/ coal fragments</u>			
Aliquot #5: Latitude: <u>33.56358446</u>	N Longitude: <u>86.81044070</u>		W
Media description: <u>DK brown silt w/ coal fragments</u>			

STATION ID: FM0012B SAMPLE ID: FM0012B-CS-SP

SAMPLE COLLECTION TIME: 1332

Description of sample location (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: FM0012B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56346294</u>	N Longitude: <u>86.81062233</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #2: Latitude: <u>33.56346506</u>	N Longitude: <u>86.81075652</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #3: Latitude: <u>33.56349851</u>	N Longitude: <u>86.81068792</u>		W
Media description: <u>DK brown silt</u>			
Aliquot #4: Latitude: <u>33.56353998</u>	N Longitude: <u>86.81075264</u>		W
Media description: <u>DK brown silt w/ minor coal fragments</u>			
Aliquot #5: Latitude: <u>33.56354071</u>	N Longitude: <u>86.81059918</u>		W
Media description: <u>DK brown silt w/ minor coal fragments</u>			

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See page 28
Brenting P
1/16/13
BBB

STATION ID: FMOD12C SAMPLE ID: FMOD12C-CS-SP

SAMPLE COLLECTION TIME: 1340

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: FMOD12C

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>018594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56367970</u>	N Longitude:	<u>86.81082865</u>	W
	Media description:	<u>DK brown silt</u>			
Aliquot #2:	Latitude:	<u>33.56362864</u>	N Longitude:	<u>86.81081116</u>	W
	Media description:	<u>DK brown silt</u>			
Aliquot #3:	Latitude:	<u>33.56357736</u>	N Longitude:	<u>86.81083736</u>	W
	Media description:	<u>DK brown silt w/ coal fragments</u>			
Aliquot #4:	Latitude:	<u>33.56352082</u>	N Longitude:	<u>86.81079652</u>	W
	Media description:	<u>DK brown silt w/ coal fragments</u>			
Aliquot #5:	Latitude:	<u>33.56347595</u>	N Longitude:	<u>86.81084461</u>	W
	Media description:	<u>DK brown silt</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 [<input type="checkbox"/>]	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:

PM0014

DATE:

1/16/13

ARRIVAL TIME:

1410

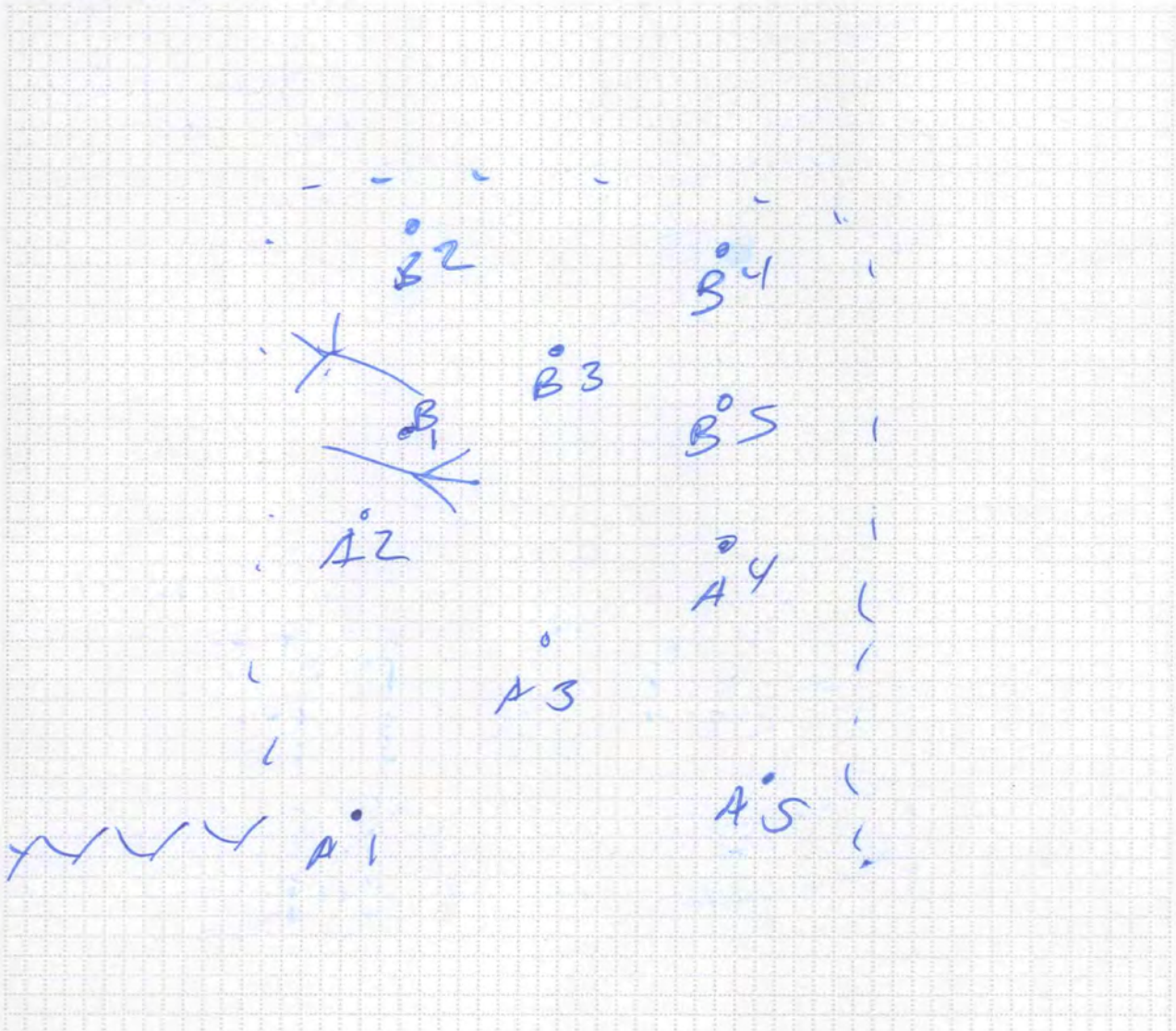
Other pertinent information (weather conditions, etc.):

47°F, Cloudy, Rain

PROPERTY COMMENTS:

Resident. Vacant lot
w/ (b) (6) legal team

Grid for property sketch



STATION ID: FM0014A SAMPLE ID: FM0014A-CS-SP

SAMPLE COLLECTION TIME: 1415

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: FM0014A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56375807 N Longitude 86.81021836 W

Media description: Brown silt w/ gravel + coal fragments wet

Aliquot #2 Latitude: 33.56376904 N Longitude 86.81008677 W

Media description: Brown silt w/ gravel + coal fragment wet

Aliquot #3: Latitude: 33.56370928 N Longitude 86.81015175 W

Media description: Brown silt w/ gravel + coal fragments

Aliquot #4: Latitude: BT-33.56365257 N Longitude 86.81007883 W

Media description: Brown silt w/ gravel + coal fragment wet

Aliquot #5: Latitude: 33.56367792 N Longitude 86.81023655 W

Media description: Brown silt w/ gravel wet

STATION ID: FM0014B SAMPLE ID: FM0014B-CS-SP

SAMPLE COLLECTION TIME: 1422

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: FM0014B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56376623 N Longitude 86.80999371 W

Media description: DK brown silt w/ gravel + coal fragments wet

Aliquot #2 Latitude: 33.56376367 N Longitude 86.80987538 W

Media description: DK brown silt w/ gravel wet

Aliquot #3: Latitude: 33.56372484 N Longitude 86.80993318 W

Media description: DK brown silt w/ gravel wet

Aliquot #4: Latitude: 33.56368497 N Longitude 86.80987814 W

Media description: DK brown silt w/ gravel wet

Aliquot #5: Latitude: 33.56367718 N Longitude 86.80997950 W

Media description: DK brown silt w/ tan clay + brick wet

(b) (6)

ADL: _____ PROPERTY ID: ⁰²⁸¹ ~~FM0195~~

DATE: 1/16/13 ARRIVAL TIME: 1500

Other pertinent information (weather conditions, etc.):

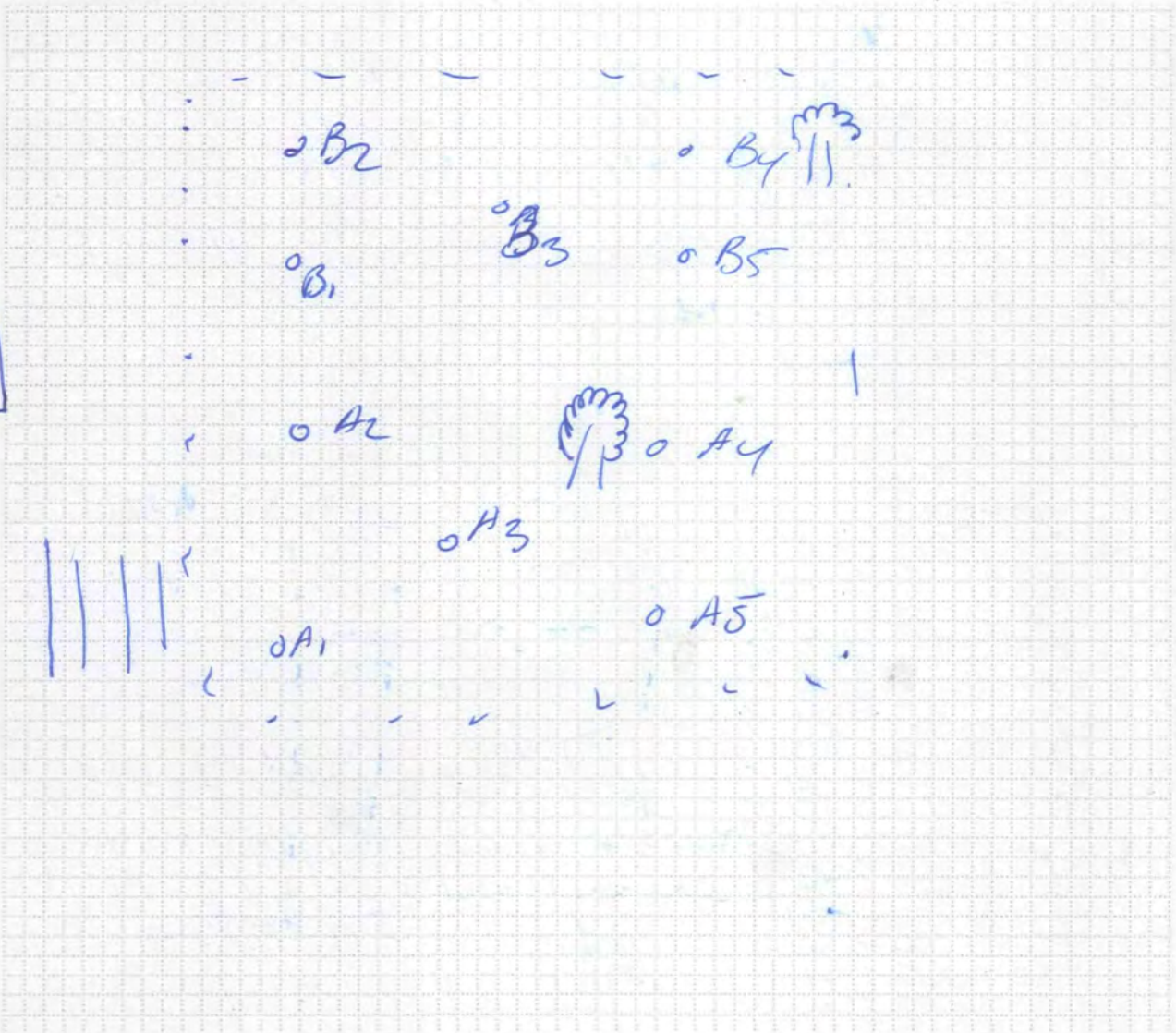
47°F, cloudy, Rain

PROPERTY COMMENTS:

vacant lot

w/ (b) (6) legal attorney

Grid for property sketch



STATION ID: 0281 FMO195A SAMPLE ID: 0281 FMO195A-CS-SP
SAMPLE COLLECTION TIME: 1507

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: FMO281A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56344309</u>	N Longitude	<u>86.81254970</u> W
	Media description:	<u>light brown silty clay w/ gravel</u>		
Aliquot #2:	Latitude:	<u>33.56343291</u>	N Longitude	<u>86.81240597</u> W
	Media description:	<u>light brown silty clay w/ gravel w/ coal fragments</u>		
Aliquot #3:	Latitude:	<u>33.56340482</u>	N Longitude	<u>86.81247271</u> W
	Media description:	<u>light brown silty clay</u>		
Aliquot #4:	Latitude:	<u>33.56339071</u>	N Longitude	<u>86.81241208</u> W
	Media description:	<u>DK brown silt</u>		
Aliquot #5:	Latitude:	<u>33.56338601</u>	N Longitude	<u>86.81255230</u> W
	Media description:	<u>light brown silty clay w/ gravel</u>		

STATION ID: FMO281B SAMPLE ID: FMO281B-CS-SP
SAMPLE COLLECTION TIME: 1516

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: FMO281B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56343807</u>	N Longitude	<u>86.81232573</u> W
	Media description:	<u>tan/orange clay moist</u>		
Aliquot #2:	Latitude:	<u>33.56341706</u>	N Longitude	<u>86.81217172</u> W
	Media description:	<u>Brown silty clay w/ some gravel</u>		
Aliquot #3:	Latitude:	<u>33.56340352</u>	N Longitude	<u>86.81226327</u> W
	Media description:	<u>tan/orange clay moist</u>		
Aliquot #4:	Latitude:	<u>33.56336216</u>	N Longitude	<u>86.81218330</u> W
	Media description:	<u>DK brown silt wet</u>		
Aliquot #5:	Latitude:	<u>33.56338254</u>	N Longitude	<u>86.81231243</u> W
	Media description:	<u>tan/orange clay moist</u>		

ADDRESS: (b) (6)

PROPERTY ID: 0V0493

DATE: 1/16/13

ARRIVAL TIME: 1553

Other pertinent information (weather conditions, etc.):

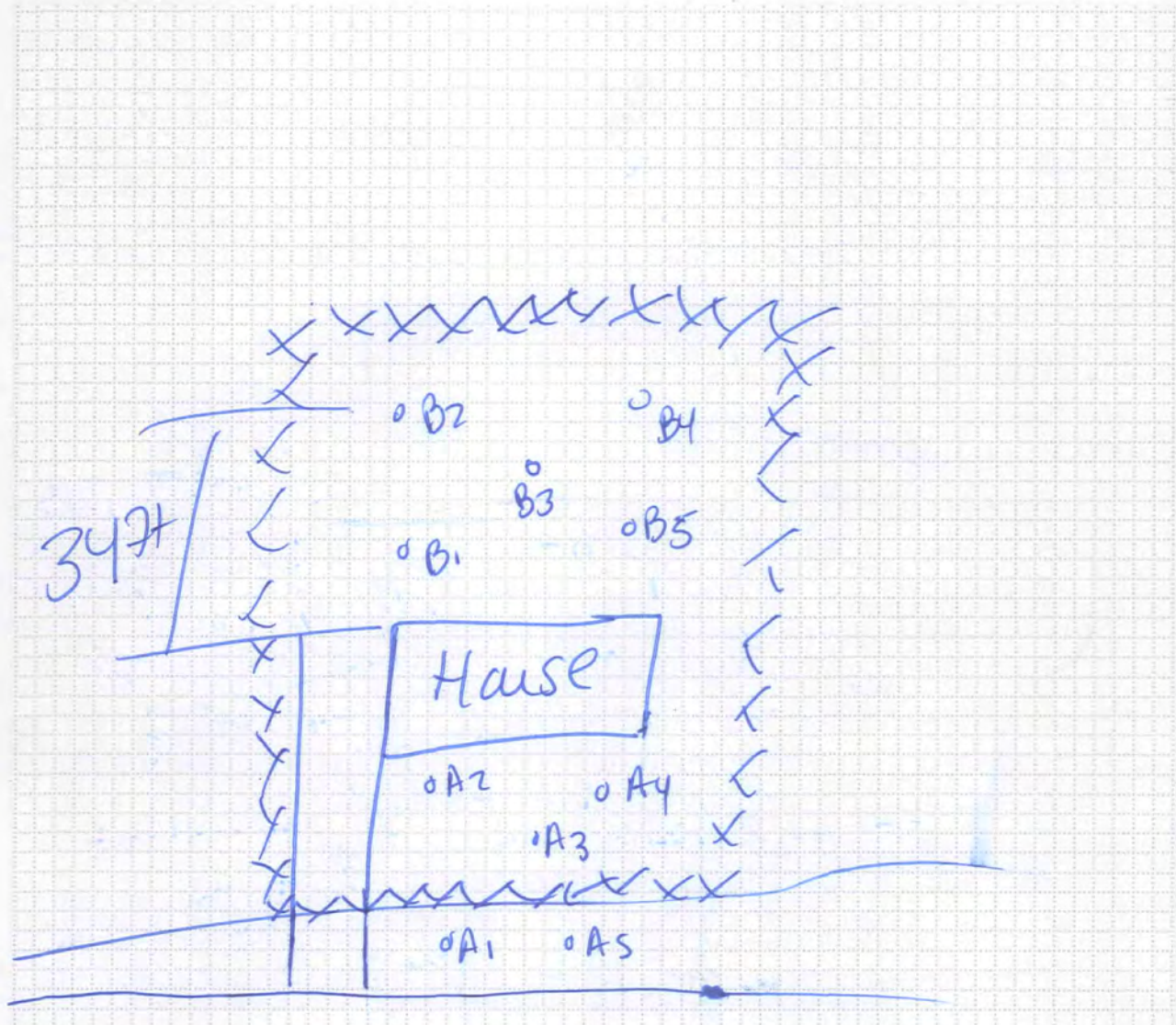
47°F, cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0493A

SAMPLE ID: CV0493A-CS-JP

SAMPLE COLLECTION TIME: 1604

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: CV0493A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56027733 N Longitude 86.80262546 W

Media description: DK brown silt wet

Aliquot #2 Latitude: 33.56026054 N Longitude 86.80266602 W

Media description: DK black silt wet

Aliquot #3: Latitude: 33.56029171 N Longitude 86.80267486 W

Media description: piecesize gravel w/ DK brown silt homeigt

Aliquot #4: Latitude: 33.56031811 N Longitude 86.80269807 W

Media description: Brown silt w/ minor gravel wet

Aliquot #5: Latitude: 33.56032462 N Longitude 86.80263142 W

Media description: Brown silt w/ minor gravel wet

STATION ID: CV0493B

SAMPLE ID: CV0493B-CS-JP

SAMPLE COLLECTION TIME: 1611

Description of sample location (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: CV0493B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56015665 N Longitude 86.80288296 W

Media description: DK brown sandy silt w/ small gravel

Aliquot #2 Latitude: 33.56014320 N Longitude 86.80295777 W

Media description: DK brown sandy silt w/ small gravel

Aliquot #3: Latitude: 33.56018421 N Longitude 86.80292908 W

Media description: DK brown sandy silt w/ small gravel

Aliquot #4: Latitude: 33.56021792 N Longitude 86.80297717 W

Media description: DK brown sandy silt w/ small gravel

Aliquot #5: Latitude: 33.56023871 N Longitude 86.80290565 W

Media description: DK brown silt followed by light brown clay

(b) (6)

ADDRESS:

PROPERTY ID: HP0033

DATE: 1/17/13

ARRIVAL TIME: 0845

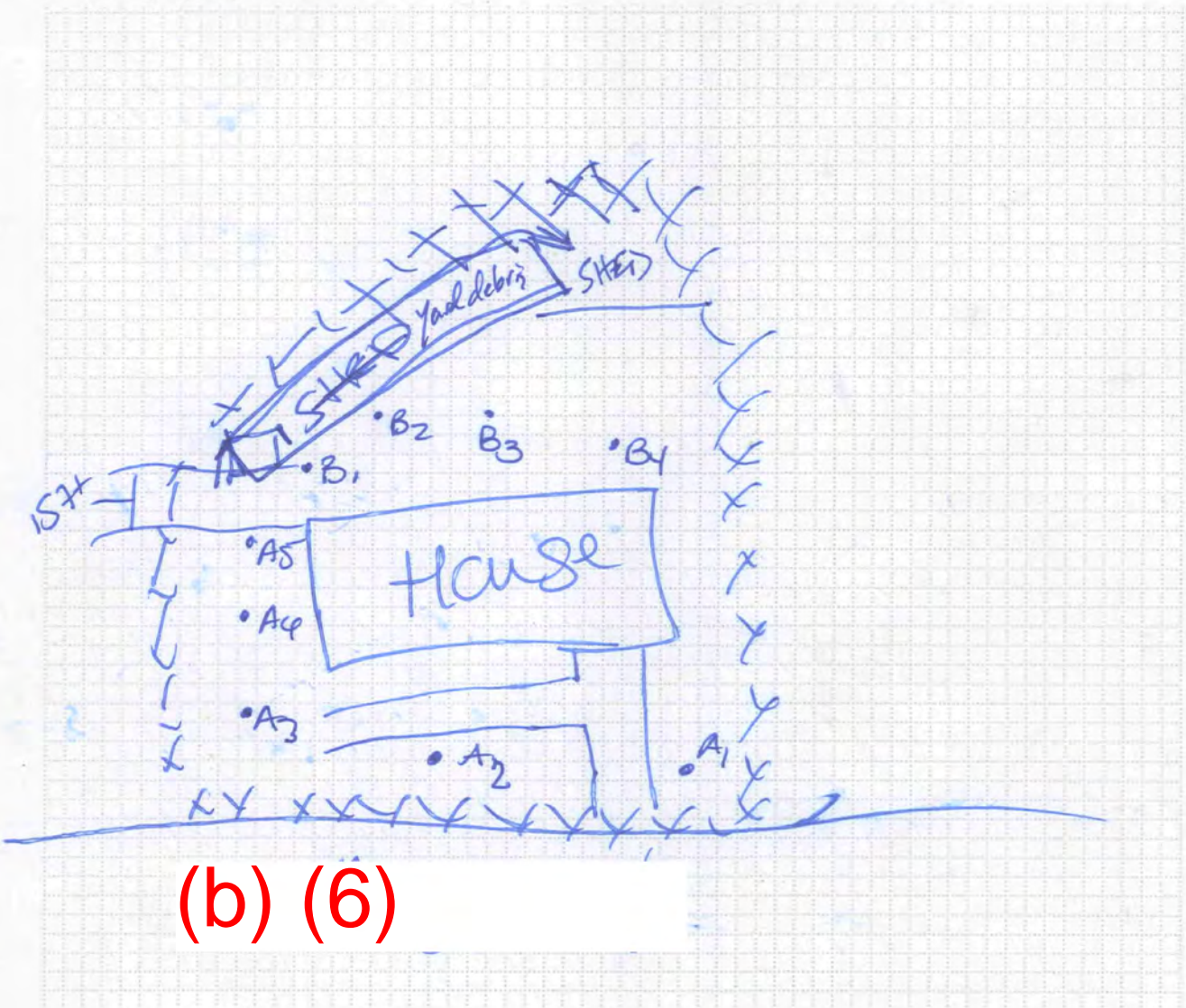
Other pertinent information (weather conditions, etc.):

41°F, cloudy, light drizzle

PROPERTY COMMENTS:

Resident Home
w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: HP0033A SAMPLE ID: HP0033A-CS-5P

SAMPLE COLLECTION TIME: 0850

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: HP0033A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56729762 N Longitude 86.78966959 W

Media description: DK brown silt moist

Aliquot #2: Latitude: 33.56788833 N Longitude 86.78967123 W

Media description: DK brown silt w/ coal moist

Aliquot #3: Latitude: 33.56791126 N Longitude 86.78964782 W

Media description: DK brown silt moist

Aliquot #4: Latitude: 33.56789063 N Longitude 86.78959447 W

Media description: DK brown silt moist

Aliquot #5: Latitude: 33.56789172 N Longitude 86.78954107 W

Media description: DK brown silt moist

STATION ID: HP0033B SAMPLE ID: HP0033B-CS-5P

SAMPLE COLLECTION TIME: 0856 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: HP0033B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56789172 N Longitude 86.78954107 W

Media description: DK brown silt w/ some gray moist

Aliquot #2: Latitude: 33.56785654 N Longitude 86.78941284 W

Media description: DK brown silt moist w/ minor coal fragments

Aliquot #3: Latitude: 33.56783431 N Longitude 86.78941811 W

Media description: DK brown silt moist

Aliquot #4: Latitude: 33.56780616 N Longitude 86.78944862 W

Media description: DK brown silt moist

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID:

HP0220

DATE:

1/17/13

ARRIVAL TIME:

0947

Other pertinent information (weather conditions, etc.):

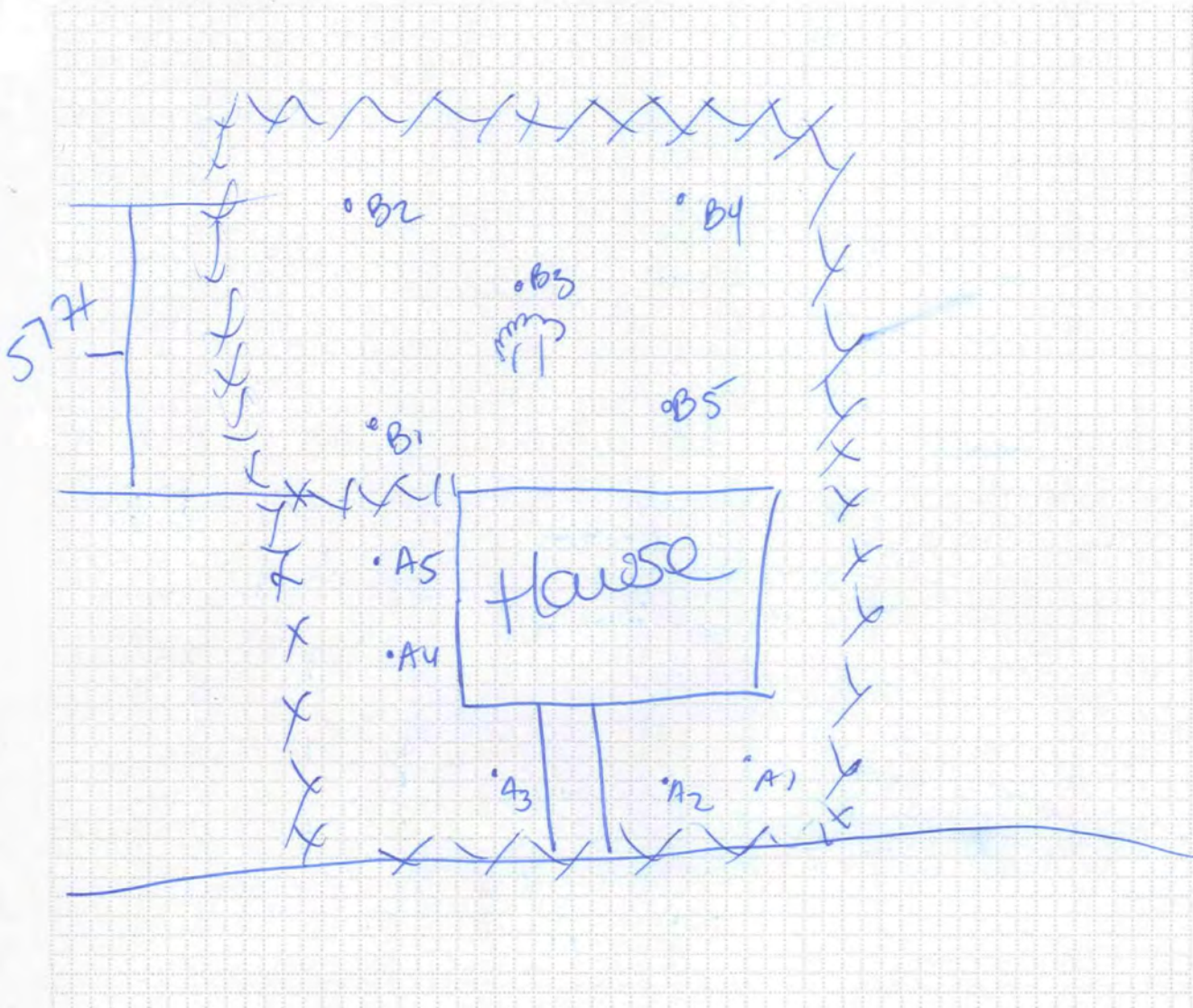
38° F, cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



220
STATION ID: HP0033A

220
SAMPLE ID: HP0033A-CS-JP

SAMPLE COLLECTION TIME: 1005

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: HP0220A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? (<input checked="" type="checkbox"/> Y) or N
Aliquot #1: Latitude: <u>33.56663875</u> N Longitude <u>86.79319845</u> W Media description: <u>Brun silt w/ minor gravel moist</u>
Aliquot #2: Latitude: <u>33.56666038</u> N Longitude <u>86.79314858</u> W Media description: <u>Brun silt w/ minor gravel moist</u>
Aliquot #3: Latitude: <u>33.56665620</u> N Longitude <u>86.79310359</u> W Media description: <u>Brun silt w/ minor gravel (w/ coal fragments & gravel)</u>
Aliquot #4: Latitude: <u>33.56657795</u> N Longitude <u>86.79307649</u> W Media description: <u>DK brun silt moist</u>
Aliquot #5: Latitude: <u>33.56651216</u> N Longitude <u>86.79307217</u> W Media description: <u>DK brun silt moist</u>

220
STATION ID: HP0033B

220
SAMPLE ID: HP0033B-CS-JP

SAMPLE COLLECTION TIME: 1015

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: HP0033B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? (<input checked="" type="checkbox"/> Y) or N
Aliquot #1: Latitude: <u>33.56645683</u> N Longitude <u>86.79308524</u> W Media description: <u>DK brun silt wet</u>
Aliquot #2: Latitude: <u>33.56634717</u> N Longitude <u>86.79310278</u> W Media description: <u>DK brun silt wet</u>
Aliquot #3: Latitude: <u>33.56640311</u> N Longitude <u>86.79313315</u> W Media description: <u>DK brun silt w/ minor gravel wet</u>
Aliquot #4: Latitude: <u>33.56633807</u> N Longitude <u>86.79318886</u> W Media description: <u>Brun silt wet</u>
Aliquot #5: Latitude: <u>33.56645333</u> N Longitude <u>86.79316470</u> W Media description: <u>Brun silt wet</u>

(b) (6)

ADDRESS:

PROPERTY ID:

HPO182

DATE:

1/17/13

ARRIVAL TIME:

1032

Other pertinent information (weather conditions, etc.):

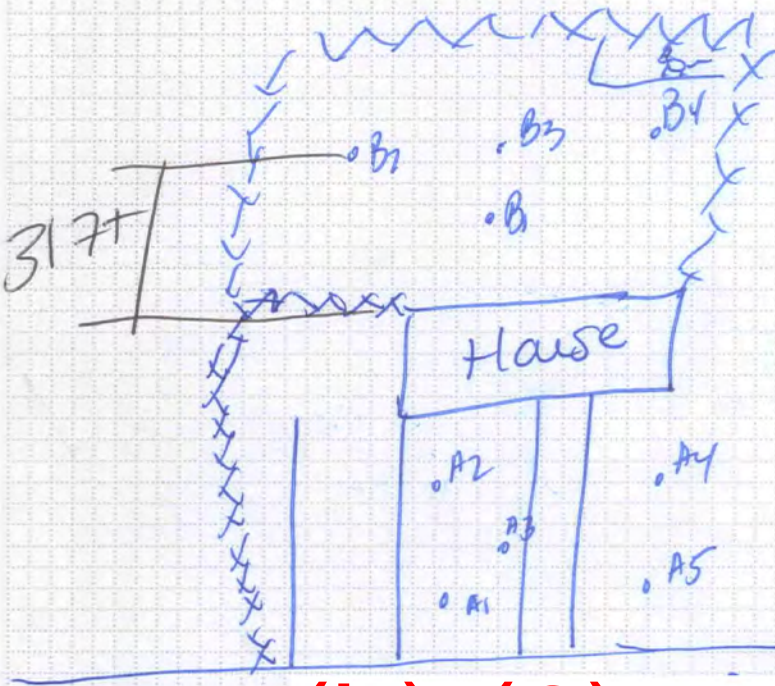
41°F, cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal attorney team

Grid for property sketch



(b) (6)

STATION ID: HPO182A

SAMPLE ID: HPO182A-CS-SP

SAMPLE COLLECTION TIME: 1045

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: HPO182A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56573086 N Longitude 86.79252381 W

Media description: Brown silt w/ minor coal fragments

Aliquot #2 Latitude: 33.56570246 N Longitude 86.79253355 W

Media description: Brown silt w/ minor coal fragments

Aliquot #3: Latitude: 33.56572106 N Longitude 86.79255309 W

Media description: DK brown silt w/ tan brick moist

Aliquot #4: Latitude: 33.56571371 N Longitude 86.79260719 W

Media description: DK brown silt moist

Aliquot #5: Latitude: 33.56573474 N Longitude 86.79258530 W

Media description: DK brown silt moist

STATION ID: HPO182B

SAMPLE ID: HPO182B-CS-SP

SAMPLE COLLECTION TIME: 1057

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: HPO182B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56551058 N Longitude 86.79253624 W

Media description: Brown silt w/ minor gravel

Aliquot #2 Latitude: 33.56545837 N Longitude 86.79250513 W

Media description: DK brown silt w/ minor coal moist

Aliquot #3: Latitude: 33.56546015 N Longitude 86.79254300 W

Media description: Brown silt moist

Aliquot #4: Latitude: 33.56545123 N Longitude 86.79259596 W

Media description: Brown silt moist

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRE

PROPERTY ID:

HP0049

DATE:

1/17/13

ARRIVAL TIME:

1259

Other pertinent information (weather conditions, etc.):

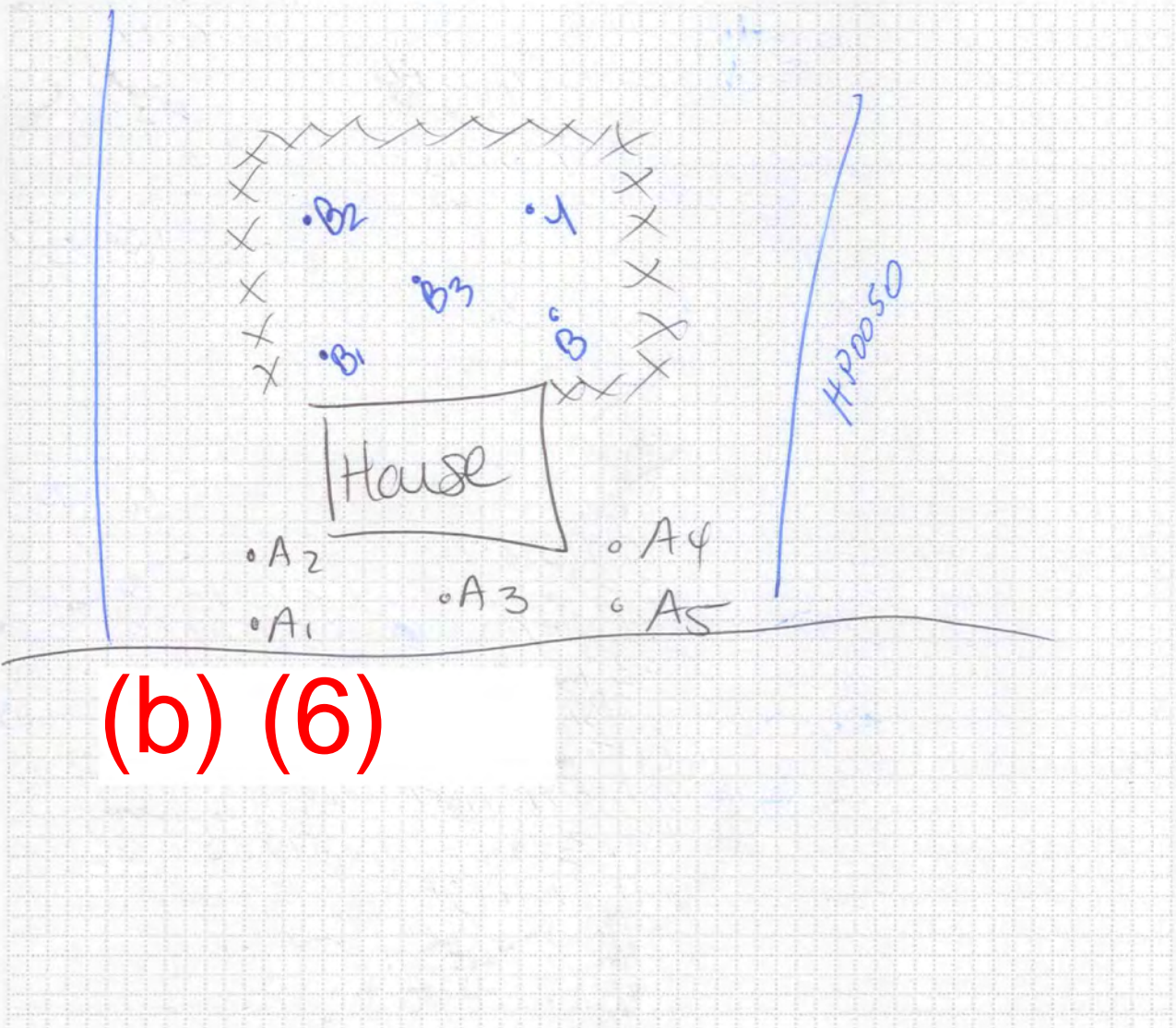
34°F, cloudy. Snowing

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: HP0049A

SAMPLE ID: HP0049A-CS-8

SAMPLE COLLECTION TIME: 1335

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: HP0049A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56412626 N Longitude 86.79481782 W

Media description: DK brown silt moist

Aliquot #2: Latitude: 33.56443462 N Longitude 86.79484641 W

Media description: DK brown silt moist w/ minor coal fragments

Aliquot #3: Latitude: 33.56414300 N Longitude 86.79479255 W

Media description: DK brown silt moist

Aliquot #4: Latitude: 33.56416087 N Longitude 86.79475969 W

Media description: DK brown silt moist

Aliquot #5: Latitude: 33.56414016 N Longitude 86.79476333 W

Media description: DK brown silt moist

STATION ID: HP0049B

SAMPLE ID: HP0049B-CS-AP

SAMPLE COLLECTION TIME: 1341

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: HP0049B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56435195 N Longitude 86.79487304 W

Media description: Brown silt w/ minor clay & coal fragments

Aliquot #2: Latitude: 33.56443462 N Longitude 86.79488383 W

Media description: Brown silt w/ minor clay & coal fragments

Aliquot #3: Latitude: 33.56439509 N Longitude 86.79485221 W

Media description: DK brown silt wet

Aliquot #4: Latitude: 33.56443247 N Longitude 86.79480158 W

Media description: DK brown silt wet

Aliquot #5: Latitude: 33.56434038 N Longitude 86.79479161 W

Media description: DK brown silt wet

ADDRESS: **(b) (6)** PROPERTY ID: HP0050

DATE: 1/17/13 ARRIVAL TIME: 1259

Other pertinent information (weather conditions, etc.):

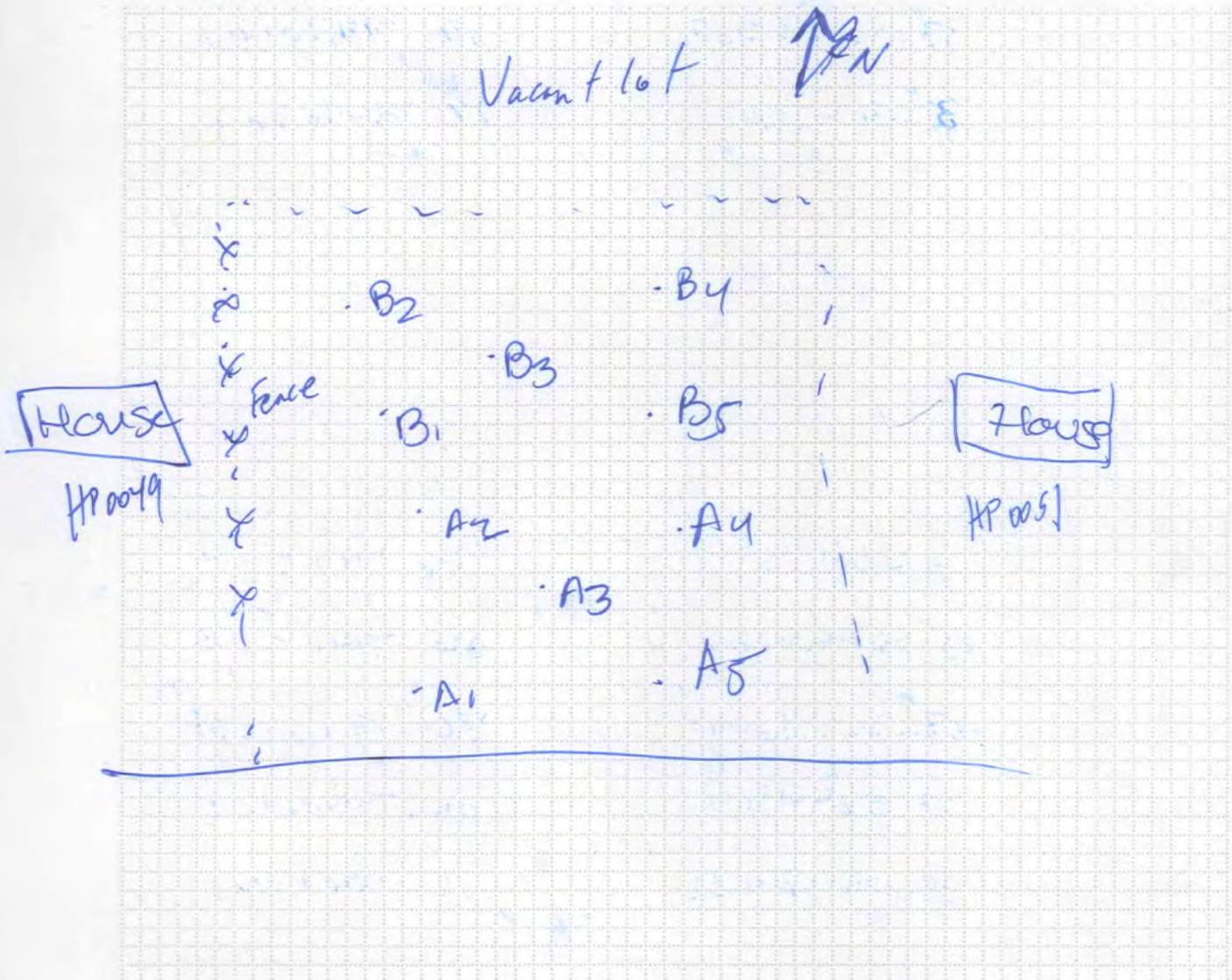
34°F, Cloudy, Snowing

PROPERTY COMMENTS:

Vacant Lot

w/ **(b) (6)** legal team

Grid for property sketch



STATION ID: HPOO50A SAMPLE ID: HPOO50A-CS-SP

SAMPLE COLLECTION TIME: 0852

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: HPOO50A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56416626 N Longitude 86.79472346 W

Media description: dk brwn clayey silt wet

Aliquot #2 Latitude: 33.56426678 N Longitude 86.79472158 W

Media description: same as above

Aliquot #3: Latitude: 33.56422539 N Longitude 86.79468121 W

Media description: same as above

Aliquot #4: Latitude: 33.56427686 N Longitude 86.79464967 W

Media description: same as above

Aliquot #5: Latitude: 33.56416479 N Longitude 86.79465643 W

Media description: dk brwn silt w/ mulch wet

STATION ID: HPOO50B SAMPLE ID: HPOO50B-CS-SP

SAMPLE COLLECTION TIME: 0850

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: HPOO50B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56433094 N Longitude 86.79472404 W

Media description: blk silt moist

Aliquot #2 Latitude: 33.5644170 N Longitude 86.79472199 W

Media description: dk brwn clayey silt moist → wet

Aliquot #3: Latitude: 33.56438068 N Longitude 86.79467639 W

Media description: same as above

Aliquot #4: Latitude: 33.56444189 N Longitude 86.79463096 W

Media description: same as above

Aliquot #5: Latitude: 33.56433021 N Longitude 86.79464416 W

Media description: same as above

(b) (6)

ADDRESS:

PROPERTY ID:

HP0051

DATE:

1/17/13

ARRIVAL TIME:

1259

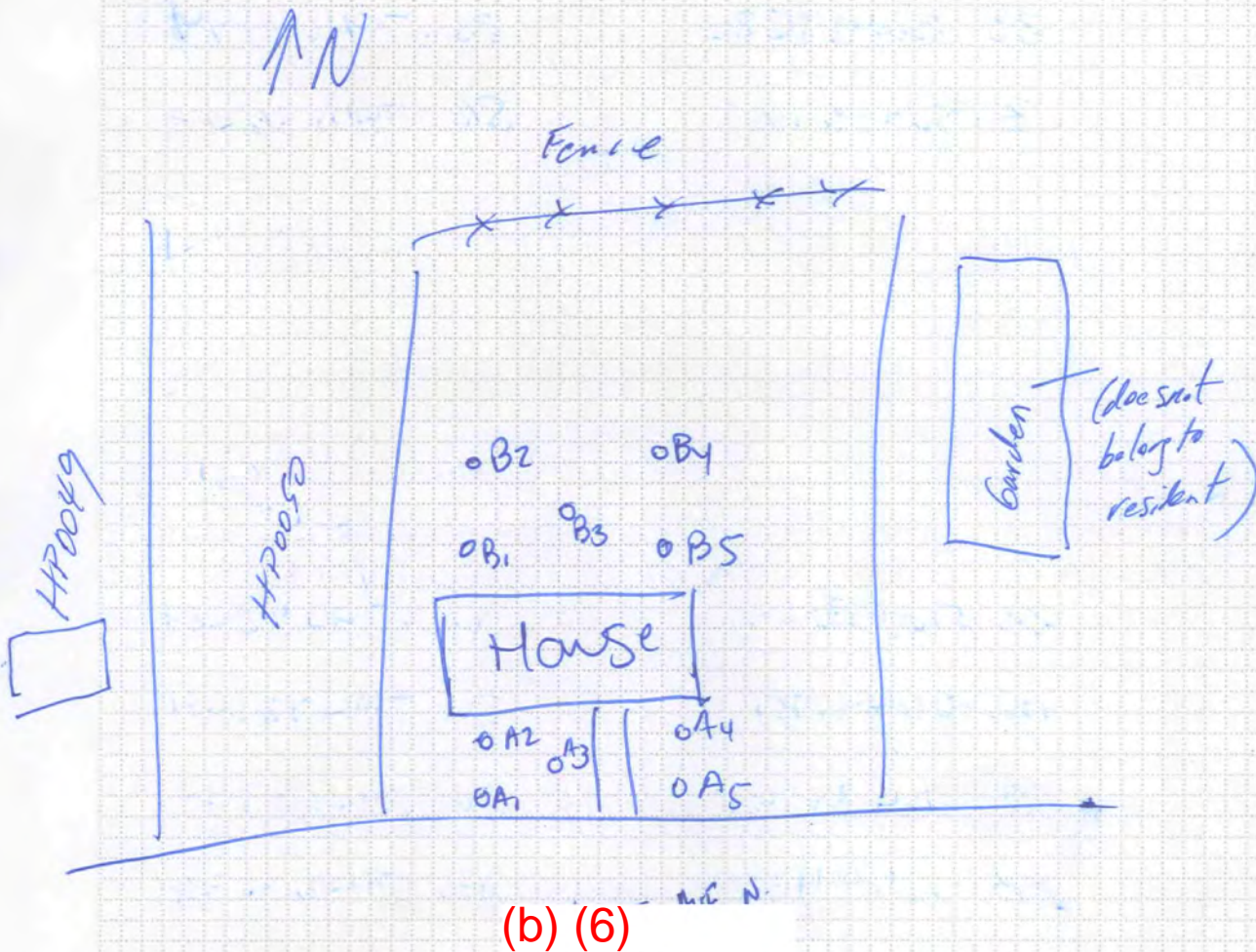
Other pertinent information (weather conditions, etc.):

34°F, Cloudy, snowing

PROPERTY COMMENTS:

Resident Home
w/ (b) (6) legal team

Grid for property sketch



STATION ID: HP00SIA SAMPLE ID: HP00SIA-CS-SP

SAMPLE COLLECTION TIME: 0915

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: HP00SIA

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56412788</u> N Longitude <u>86.79459539</u> W Media description: <u>brn sandy silt moist</u>
Aliquot #2: Latitude: <u>33.56416892</u> N Longitude <u>86.79489336</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56415063</u> N Longitude <u>86.79486131</u> W Media description: <u>dk brn silt wet</u>
Aliquot #4: Latitude: <u>33.56417029</u> N Longitude <u>86.79450442</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56413763</u> N Longitude <u>86.79451866</u> W Media description: <u>brn silty clay wet</u>

STATION ID: HP00SIB SAMPLE ID: HP00SIB-CS-SP

SAMPLE COLLECTION TIME: 0913

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: HP00SIB

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56433894</u> N Longitude <u>86.79458643</u> W Media description: <u>blk silt moist</u>
Aliquot #2: Latitude: <u>33.56442348</u> N Longitude <u>86.79458640</u> W Media description: <u>brn clayey silt moist</u>
Aliquot #3: Latitude: <u>33.56437978</u> N Longitude <u>86.79454949</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.56442190</u> N Longitude <u>86.79451438</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56433017</u> N Longitude <u>86.79450875</u> W Media description: <u>same as above</u>

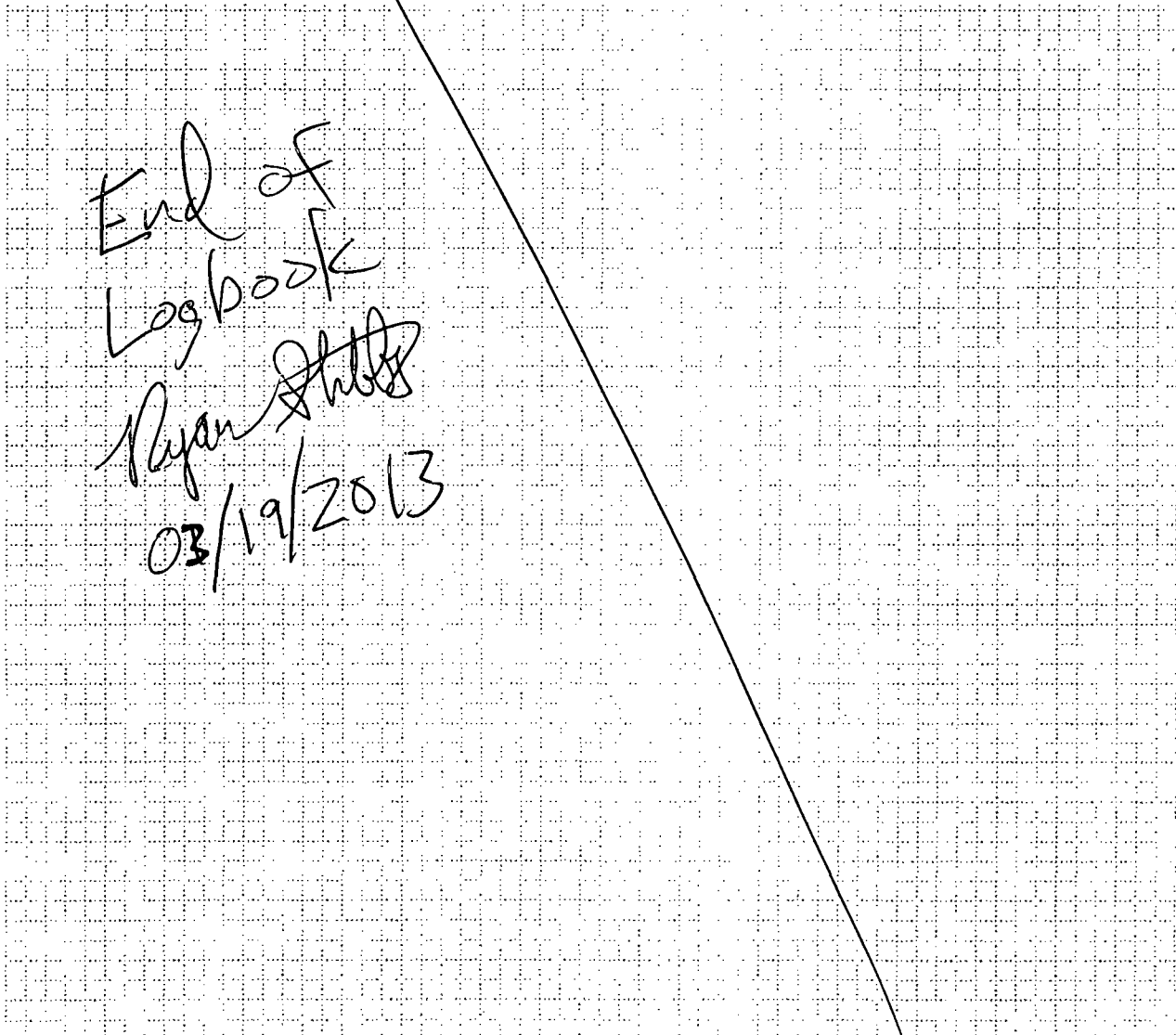
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



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