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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 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 1/4-acre in parcel lot size will be divided into 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 FBQSTP 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)

ADDRESS _____ PROPERTY ID: HP0280

DATE: 1-28-2013 ARRIVAL TIME: 13:20

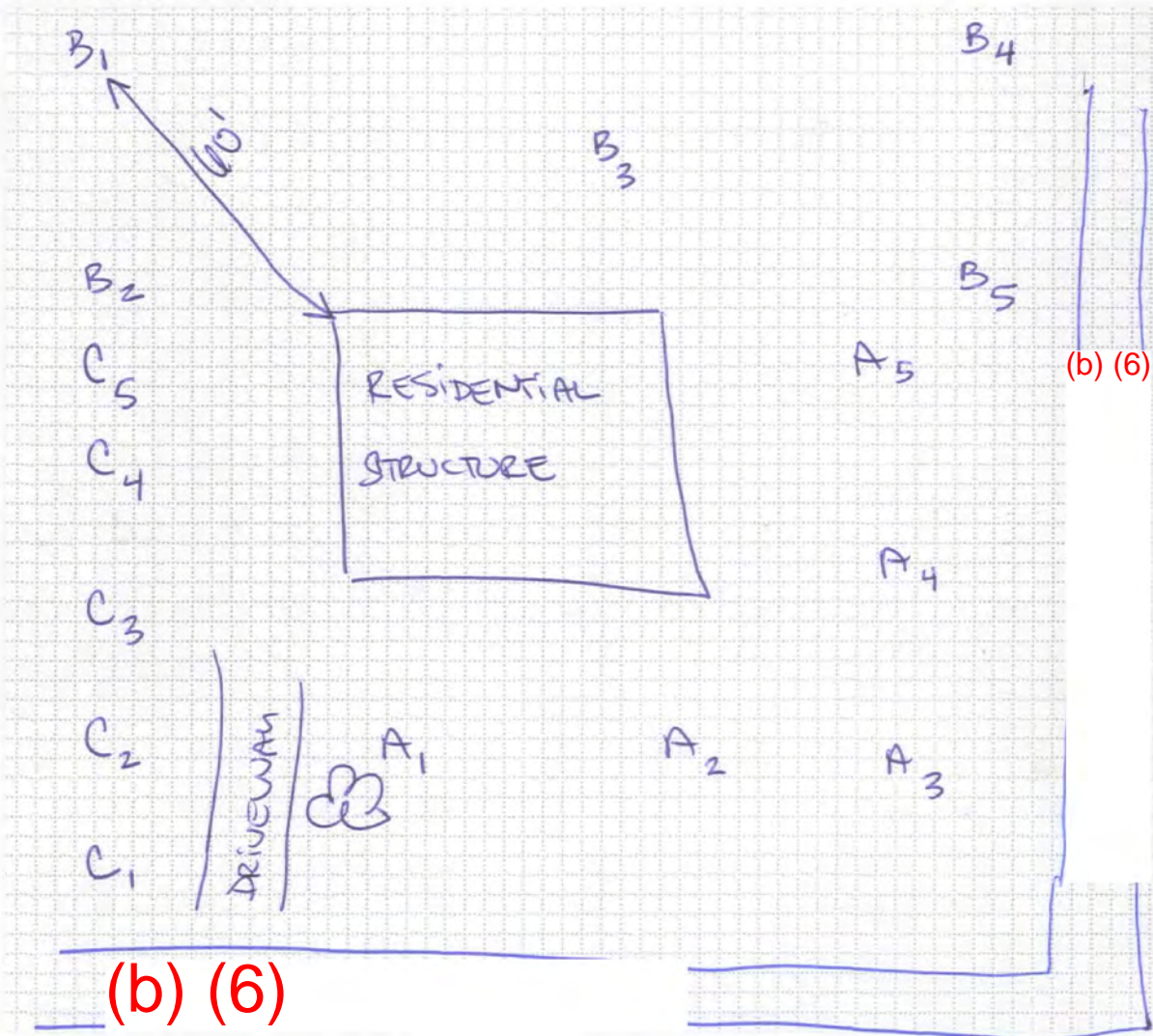
Other pertinent information (weather conditions, etc.):

62°F PARTLY CLOUDY

PROPERTY COMMENTS:

Grid for property sketch

NORTH
↓



STATION ID: HPO280

SAMPLE ID: HPO280A-CS

SAMPLE COLLECTION TIME: 14:00

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: _____

GPS Coordinates:	Trimble []	Instrument #:	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56744557</u>	N Longitude	<u>86.79059246</u> W
	Media description:	<u>DARK BROWN SILTY CLAY/LOAM</u>		
Aliquot #2	Latitude:	<u>33.56745109</u>	N Longitude	<u>86.79062588</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #3:	Latitude:	<u>33.56743917</u>	N Longitude	<u>86.79067593</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #4:	Latitude:	<u>33.56738544</u>	N Longitude	<u>86.79068259</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #5:	Latitude:	<u>33.56732989</u>	N Longitude	<u>86.79067992</u> W
	Media description:	<u>SAME AS #1</u>		

STATION ID: HPO280

SAMPLE ID: HPO280B-CS

SAMPLE COLLECTION TIME: 13:40

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

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble []	Instrument #:	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56710240</u>	N Longitude	<u>86.79049937</u> W
	Media description:	<u>DARK BROWN SILTY CLAY/LOAM</u>		
Aliquot #2	Latitude:	<u>33.56726714</u>	N Longitude	<u>86.79049300</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #3:	Latitude:	<u>33.56718503</u>	N Longitude	<u>86.79058863</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #4:	Latitude:	<u>33.56711979</u>	N Longitude	<u>86.79060618</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #5:	Latitude:	<u>33.56727207</u>	N Longitude	<u>86.79065996</u> W
	Media description:	<u>SAME AS #1</u>		

ADDRESS: **(b) (6)** PROPERTY ID: HP0280

DATE: 1-28-2013 ARRIVAL TIME: 13:20

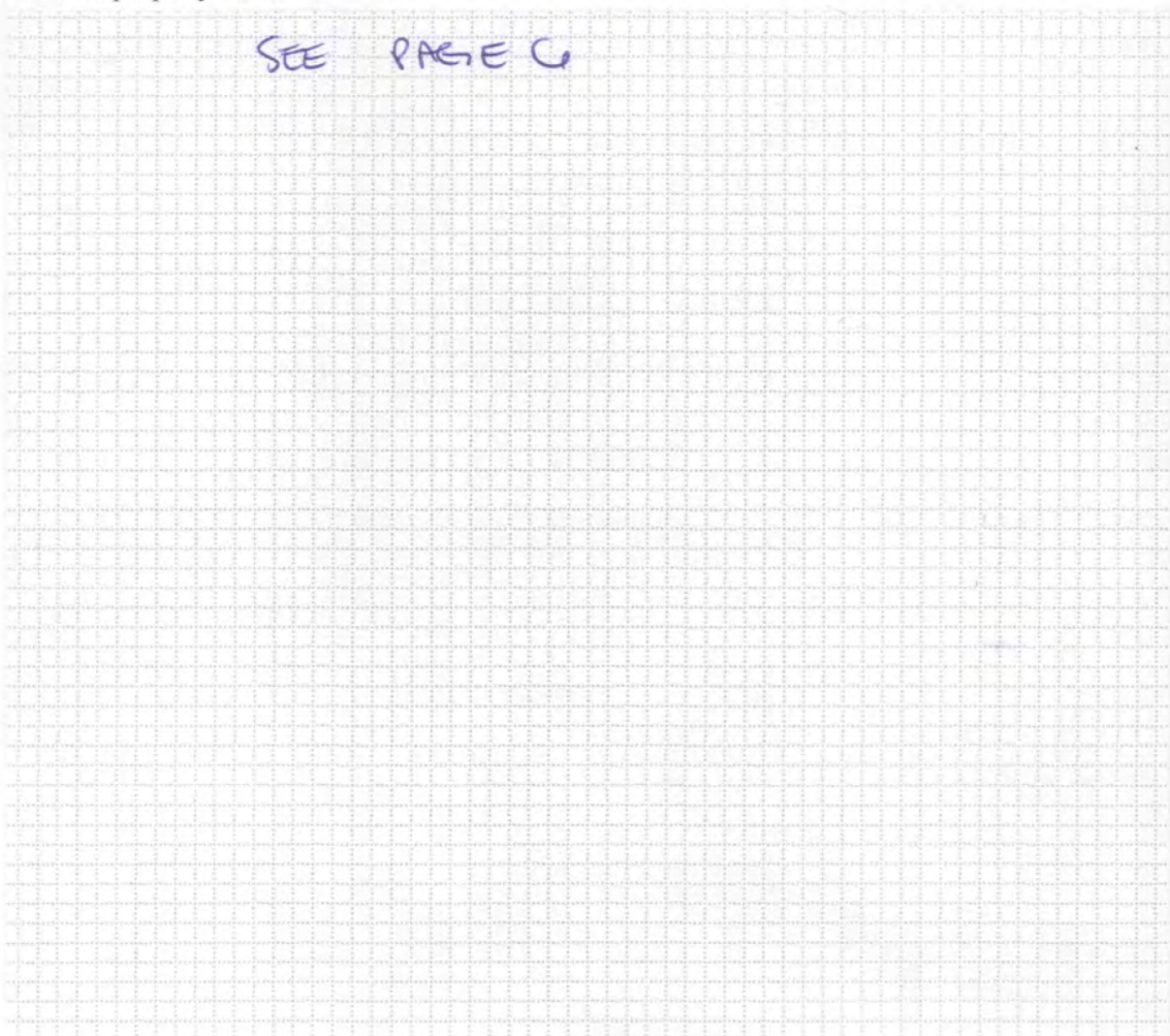
Other pertinent information (weather conditions, etc.):

SEE PAGE 6

PROPERTY COMMENTS:

SEE PAGE 6

Grid for property sketch



STATION ID: HPO280

SAMPLE ID: HPO280C-CS

SAMPLE COLLECTION TIME: 14:15

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

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 [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.56745475</u>	N Longitude <u>86.79046789</u>	W
Media description: <u>BROWN SILTY SOIL WITH SAND</u>		
Aliquot #2 Latitude: <u>33.56741249</u>	N Longitude <u>86.79052271</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #3: Latitude: <u>33.56738184</u>	N Longitude <u>86.79050258</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #4: Latitude: <u>33.56734440</u>	N Longitude <u>86.79048993</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #5: Latitude: <u>33.56730357</u>	N Longitude <u>86.79049411</u>	W
Media description: <u>SAME AS #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: HPO275

DATE: 1-28-2013

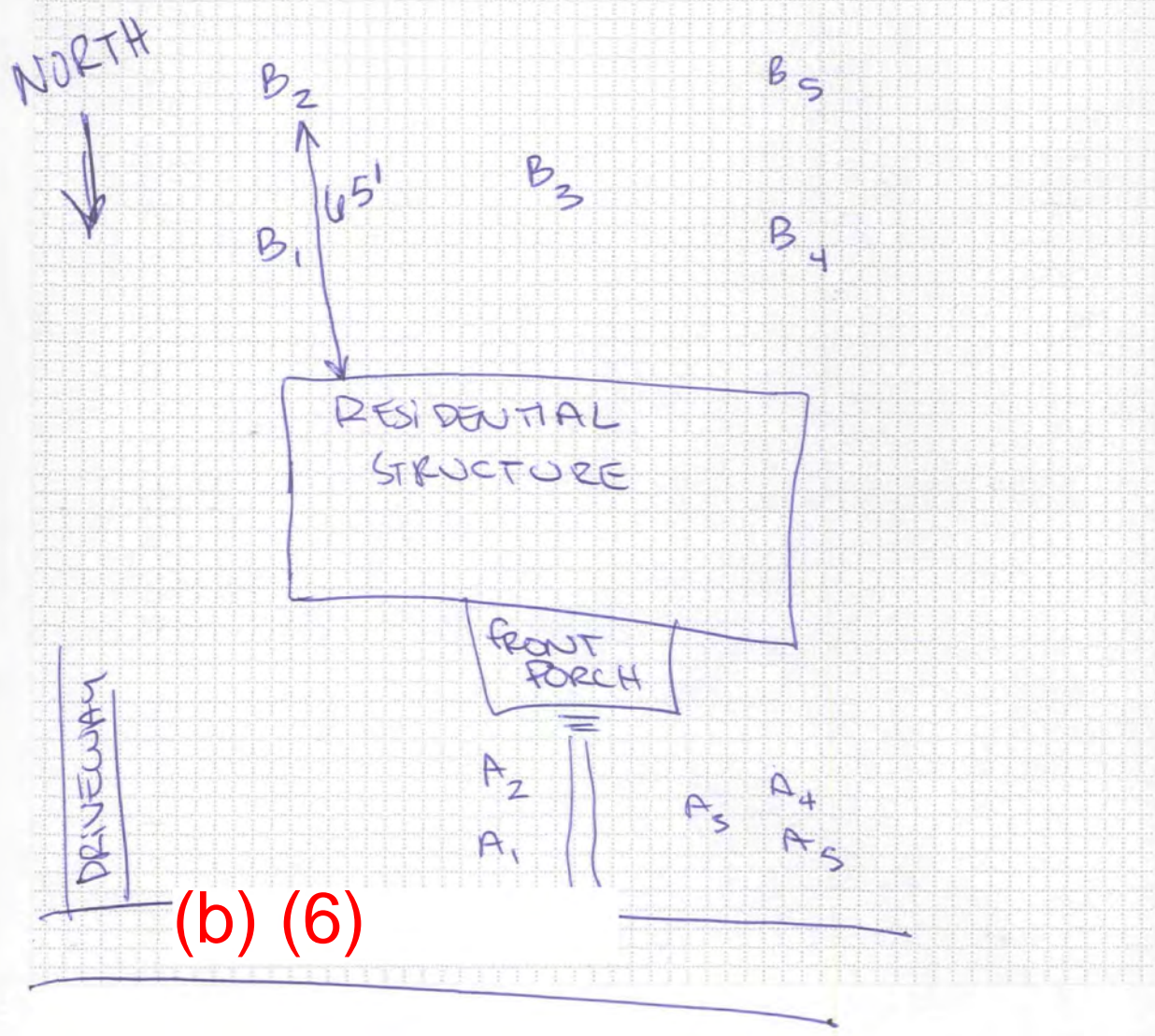
ARRIVAL TIME: 14:30

Other pertinent information (weather conditions, etc.):

65°F PARTLY CLOUDY

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: HP0275 SAMPLE ID: HP0275A-CS

SAMPLE COLLECTION TIME: 14:50

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

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

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

GPS Coordinates:	Trimble []	Instrument #:	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56749689</u>	N Longitude	<u>86.79154528</u> W
	Media description:	<u>DARK BROWN MOIST SILTY CLAY</u>		
Aliquot #2:	Latitude:	<u>33.56747362</u>	N Longitude	<u>86.79153899</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #3:	Latitude:	<u>33.56747797</u>	N Longitude	<u>86.79158147</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #4:	Latitude:	<u>33.56748951</u>	N Longitude	<u>86.79160158</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #5:	Latitude:	<u>33.56749894</u>	N Longitude	<u>86.79162046</u> W
	Media description:	<u>SAME AS #1</u>		

STATION ID: HP0275 SAMPLE ID: HP0275B-CS

SAMPLE COLLECTION TIME: 15:10

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

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

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

GPS Coordinates:	Trimble []	Instrument #:	Logged?	Y or N
Aliquot #1:	Latitude:	<u>33.56731164</u>	N Longitude	<u>86.79150577</u> W
	Media description:	<u>DARK BROWN MOIST SILTY CLAY</u>		
Aliquot #2:	Latitude:	<u>33.56710671</u>	N Longitude	<u>86.79154410</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #3:	Latitude:	<u>33.56724306</u>	N Longitude	<u>86.79155278</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #4:	Latitude:	<u>33.56732483</u>	N Longitude	<u>86.79160042</u> W
	Media description:	<u>SAME AS #1</u>		
Aliquot #5:	Latitude:	<u>33.56719025</u>	N Longitude	<u>86.79160355</u> W
	Media description:	<u>SAME AS #1</u>		

ADDRESS: (b) (6)

PROPERTY ID: HP0169

DATE: 1-28-2013

ARRIVAL TIME: 15:20

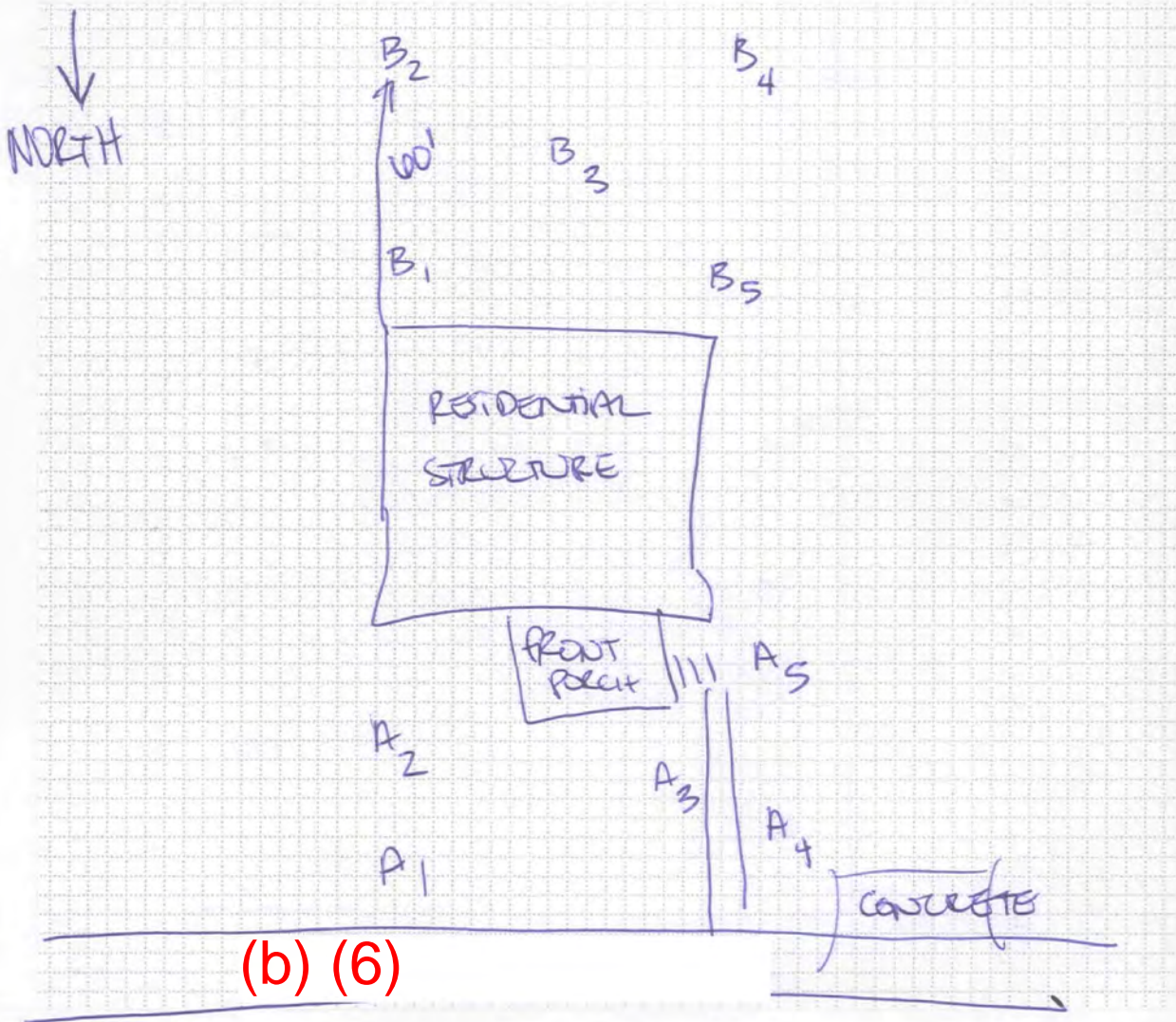
Other pertinent information (weather conditions, etc.):

WSPF SUNNY, CLEAR SKIES

PROPERTY COMMENTS:

PROPERTY APPEARS TO BE ABANDONED WITH A
"NO TRESSPASSING" SIGN AND BROKEN WINDOWS
AND GARBAGE THROWN ABOUT PROPERTY

Grid for property sketch



STATION ID: HP0169 SAMPLE ID: HP0169A-CS

SAMPLE COLLECTION TIME: 15:35

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

FRONT YARD

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

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

GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: <u>33.56578988</u> N Longitude <u>86.79379224</u> W	
Media description: <u>DARK BROWN SILTY CLAY</u>	
Aliquot #2 Latitude: <u>33.56575379</u> N Longitude <u>86.79380126</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #3: Latitude: <u>33.56577004</u> N Longitude <u>86.79385317</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #4: Latitude: <u>33.56579209</u> N Longitude <u>86.79388415</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #5: Latitude: <u>33.56578001</u> N Longitude <u>86.79388793</u> W	
Media description: <u>SAME AS #1</u>	

STATION ID: HP0169 SAMPLE ID: HP0169B-CS

SAMPLE COLLECTION TIME: 15:38

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

BACK YARD

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

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

GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: <u>33.56559881</u> N Longitude <u>86.79380187</u> W	
Media description: <u>DARK BROWN SILTY CLAY</u>	
Aliquot #2 Latitude: <u>33.56548203</u> N Longitude <u>86.79382101</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #3: Latitude: <u>33.56552620</u> N Longitude <u>86.79383748</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #4: Latitude: <u>33.56560600</u> N Longitude <u>86.79390798</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #5: Latitude: <u>33.56545853</u> N Longitude <u>86.79389867</u> W	
Media description: <u>SAME AS #1</u>	

ADDRESS: (b) (6)

PROPERTY ID: HP0135

DATE: 1-28-2013

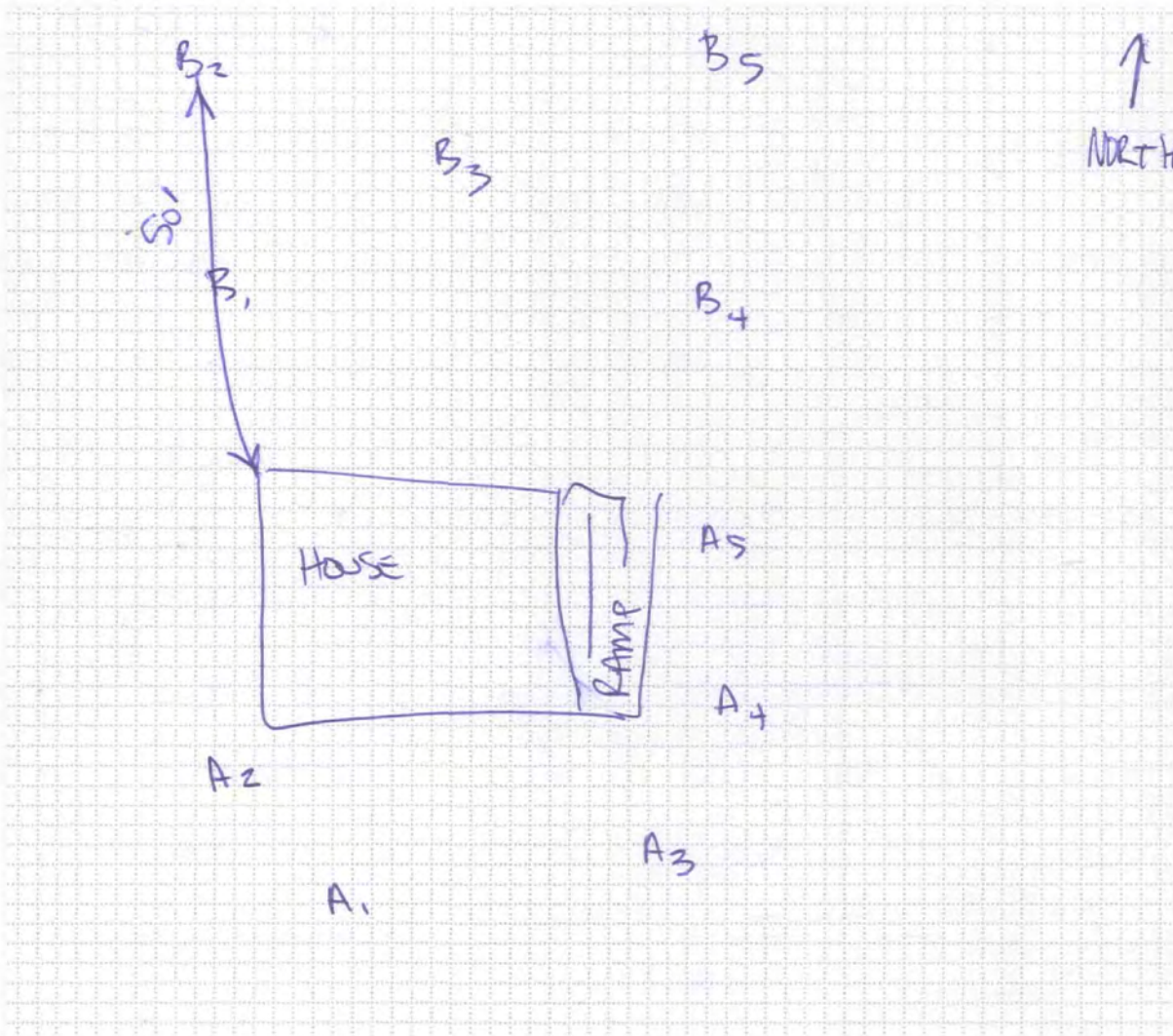
ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

60°F

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0135

SAMPLE ID: HP0135A-CS

SAMPLE COLLECTION TIME: 16:15

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

FRONT YARD

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.56486302</u>	N Longitude <u>86.79087737</u>	W
Media description: <u>PALK BROWN SILTY SOIL</u>		
Aliquot #2 Latitude: <u>33.56490173</u>	N Longitude <u>86.79091818</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #3: Latitude: <u>33.56487343</u>	N Longitude <u>86.79084101</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #4: Latitude: <u>33.56490492</u>	N Longitude <u>86.79082742</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #5: Latitude: <u>33.56498385</u>	N Longitude <u>86.79082472</u>	W
Media description: <u>SAME AS #1</u>		

STATION ID: HP0135

SAMPLE ID: HP0135B-CS

SAMPLE COLLECTION TIME: 16:19

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

BACK YARD

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N
Aliquot #1: Latitude: <u>33.56509444</u>	N Longitude <u>86.79092248</u>	W
Media description: <u>BROWN SILTY SOIL</u>		
Aliquot #2 Latitude: <u>33.56519599</u>	N Longitude <u>86.79091690</u>	W
Media description: <u>LIGHTER BROWN SILTY SOIL</u>		
Aliquot #3: Latitude: <u>33.56514402</u>	N Longitude <u>86.79086554</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #4: Latitude: <u>33.56509683</u>	N Longitude <u>86.79081961</u>	W
Media description: <u>SAME AS #1</u>		
Aliquot #5: Latitude: <u>33.56520087</u>	N Longitude <u>86.79084354</u>	W
Media description: <u>SAME AS #1</u>		

(b) (6)

ADDRESS:

PROPERTY ID:

HP
0086

DATE:

1/29/2013

ARRIVAL TIME:

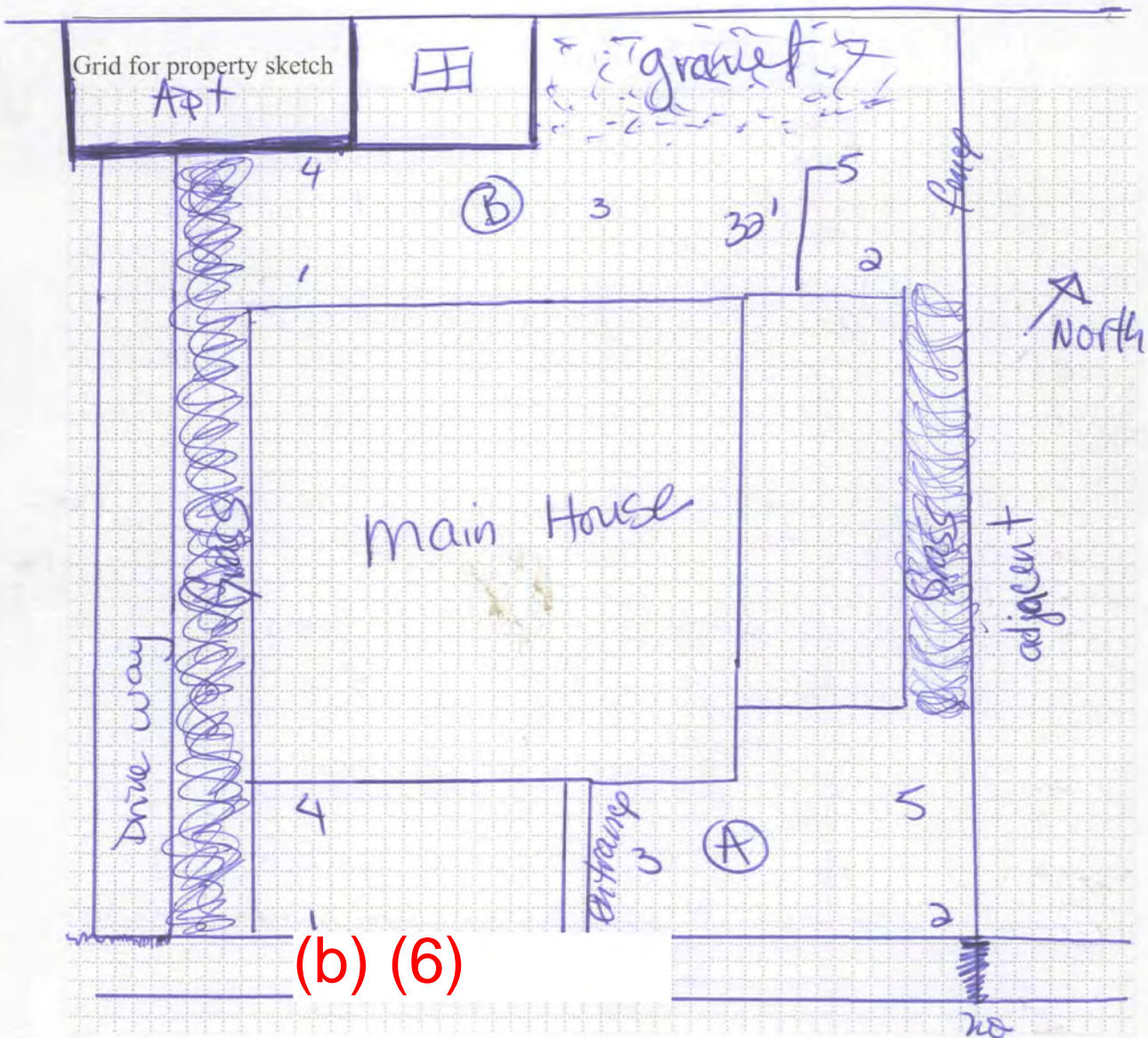
0832

Other pertinent information (weather conditions, etc.):

wind
59°F and foggy; SE 5mph

PROPERTY COMMENTS:

No resident responded; START proceeded to sample
front yard and back yard



(b) (6)

STATION ID: HP0086A ~~HP0086A RA~~ SAMPLE ID: HP0086A-CS

SAMPLE COLLECTION TIME: 0854

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Dark brown silty clay (Loam), moist / front yard

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018165</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56506575</u>	N Longitude: <u>86.7952090</u>		W
Media description: <u>dark brown silty clay damp</u>			
Aliquot #2 Latitude: <u>33.56506266</u>	N Longitude: <u>86.7952128</u>		W
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.56507105</u>	N Longitude: <u>86.79515980</u>		W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.56508065</u>	N Longitude: <u>86.79500062</u>		W
Media description: <u>Same as #1</u>			
Aliquot #5: Latitude: <u>33.56508960</u>	N Longitude: <u>86.79512848</u>		W
Media description: <u>Same as #1</u>			

STATION ID: HP0086B SAMPLE ID: ~~HP0086B-CS~~ HP0086B-CS RA

SAMPLE COLLECTION TIME: 0904

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 checked="" type="checkbox"/>	Instrument #: <u>018165</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56506575</u>	N Longitude: <u>86.7920010</u>		W
Media description: <u>dark brown silty clay damp</u>			
Aliquot #2 Latitude: <u>33.56506202</u>	N Longitude: <u>86.79512128</u>		W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56507105</u>	N Longitude: <u>86.79515980</u>		W
Media description: <u>dark brown sandy silt damp</u>			
Aliquot #4: Latitude: <u>33.56508065</u>	N Longitude: <u>86.79520062</u>		W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.56508960</u>	N Longitude: <u>86.79512848</u>		W
Media description: <u>same as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

#P0080

DATE:

1/29/13

ARRIVAL TIME:

0920

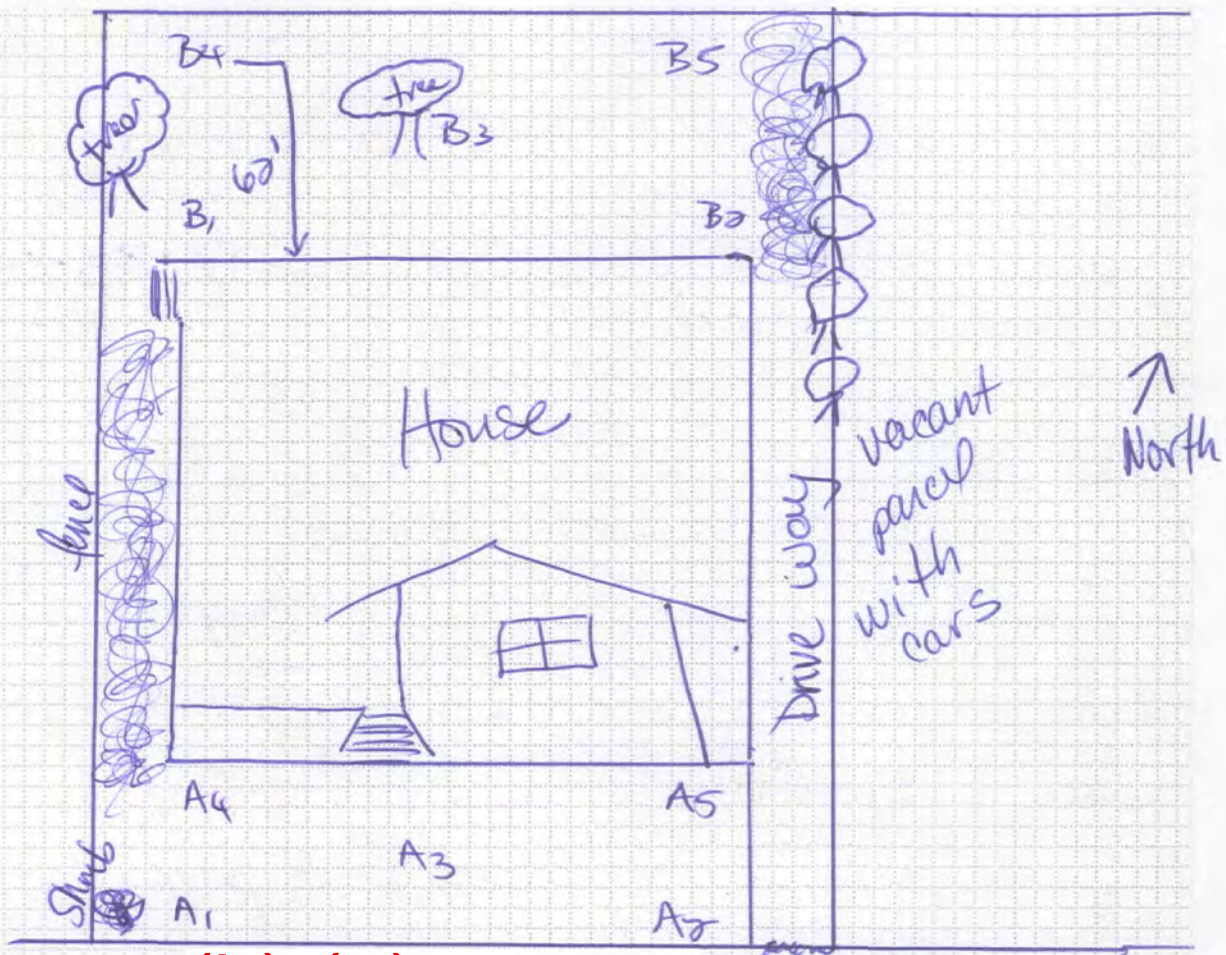
Other pertinent information (weather conditions, etc.):

60° F and foggy with winds SSE 8 mph

PROPERTY COMMENTS:

No resident answered the door. Samples will be collected at front and back of property.

Grid for property sketch



(b) (6)

STATION ID: HP0080A SAMPLE ID: HP0080A-CS

SAMPLE COLLECTION TIME: 0939

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [] Instrument #: 018165 Logged? or N

Aliquot #1: Latitude: 33.56506907 N Longitude 86.79567333 W

Media description: dark brown silty clay damp

Aliquot #2 Latitude: 33.56506741 N Longitude 86.7956028 W

Media description: same as #1

Aliquot #3: Latitude: 33.56508240 N Longitude 86.79563142 W

Media description: same as #1

Aliquot #4: Latitude: 33.56510345 N Longitude 86.79567183 W

Media description: same as #1

Aliquot #5: Latitude: 33.56510062 N Longitude 86.7956526 W

Media description: same as #1

STATION ID: HP0080B SAMPLE ID: HP0080B-CS

SAMPLE COLLECTION TIME: 0946

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

back yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [] Instrument #: 08165 Logged? or N

Aliquot #1: Latitude: 33.56528143 N Longitude 86.79566605 W

Media description: dark brown silty clay damp

Aliquot #2 Latitude: 33.56528732 N Longitude 86.7957711x W

Media description: same as #1

Aliquot #3: Latitude: 33.56533227 N Longitude 86.79562710 W

Media description: same as #1

Aliquot #4: Latitude: 33.56540845 N Longitude 86.79566878 W

Media description: same as #1

Aliquot #5: Latitude: 33.56541411 N Longitude 86.79558298 W

Media description: same as #1

(b) (6)

ADDRESS:

PROPERTY ID:

HP0079

DATE:

1/29/13

ARRIVAL TIME:

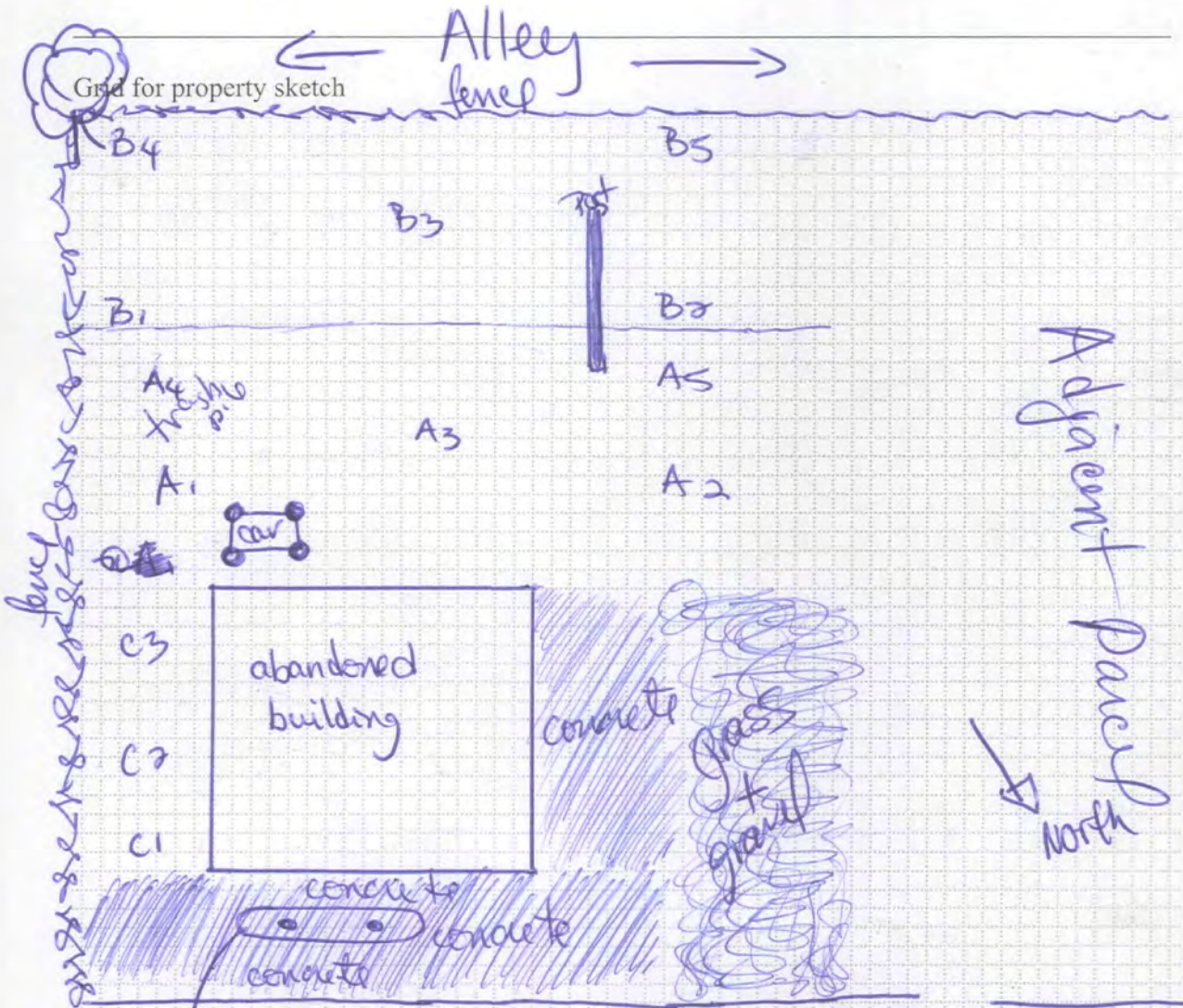
1000

Other pertinent information (weather conditions, etc.):

61°F and foggy with SSE 9mph winds

PROPERTY COMMENTS:

Property appears to be an old gas station



(b) (6)

appears to be old ust values

STATION ID: HP0079A

SAMPLE ID: HP0079A-CS

SAMPLE COLLECTION TIME: 1032

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

Back yard, close to building

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>018165</u> Logged? [<input checked="" type="checkbox"/>] or N			
Aliquot #1: Latitude: <u>33.565069107</u>	N Longitude	<u>86.79567333</u>	W
Media description: <u>Brown sandy SILT, damp</u>			
Aliquot #2 Latitude: <u>33.56506741</u>	N Longitude	<u>86.79560208</u>	W
Media description: <u>Dark brown silty CLAY, damp</u>			
Aliquot #3: Latitude: <u>33.56508240</u>	N Longitude	<u>86.79563142</u>	W
Media description: <u>Brown sandy silt, damp</u>			
Aliquot #4: Latitude: <u>33.56510345</u>	N Longitude	<u>86.79567183</u>	W
Media description: <u>Same as #2</u>			
Aliquot #5: Latitude: <u>33.56510062</u>	N Longitude	<u>86.79560526</u>	W
Media description: <u>Same as #2</u>			

STATION ID: HP0079B

SAMPLE ID: HP0079B-CS

SAMPLE COLLECTION TIME: 1041

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

back yard close to boundary fence

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>018165</u> Logged? [<input checked="" type="checkbox"/>] or N			
Aliquot #1: Latitude: <u>33.56528143</u>	N Longitude	<u>86.79566605</u>	W
Media description: <u>brown sandy silt damp</u>			
Aliquot #2 Latitude: <u>33.56528732</u>	N Longitude	<u>86.79557711</u>	W
Media description: <u>dark brown silty clay damp</u>			
Aliquot #3: Latitude: <u>33.56533227</u>	N Longitude	<u>86.79562710</u>	W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.56540845</u>	N Longitude	<u>86.79566872</u>	W
Media description: <u>Same as #1</u>			
Aliquot #5: Latitude: <u>33.56541411</u>	N Longitude	<u>86.79558298</u>	W
Media description: <u>dark brown silty clay damp</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

HP0079

DATE:

1/29/13

ARRIVAL TIME:

1000

Other pertinent information (weather conditions, etc.):

61° F / foggy & winds SSE 9mph

PROPERTY COMMENTS:

Refer to page #20.

Grid for property sketch

Refer to
page #20.

STATION ID: HP0079C SAMPLE ID: HP0079C-ES

SAMPLE COLLECTION TIME: 1047

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

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>018105</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.5648797</u> N Longitude: <u>86.79565581</u> W	Media description: <u>dark brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.56485872</u> N Longitude: <u>86.79566257</u> W	Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.56482023</u> N Longitude: <u>86.79565754</u> W	Media description: <u>same as #1</u>
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: _____

(b) (6)

ADDRESS:

PROPERTY ID:

HP0077

DATE:

1/29/13

ARRIVAL TIME:

1050

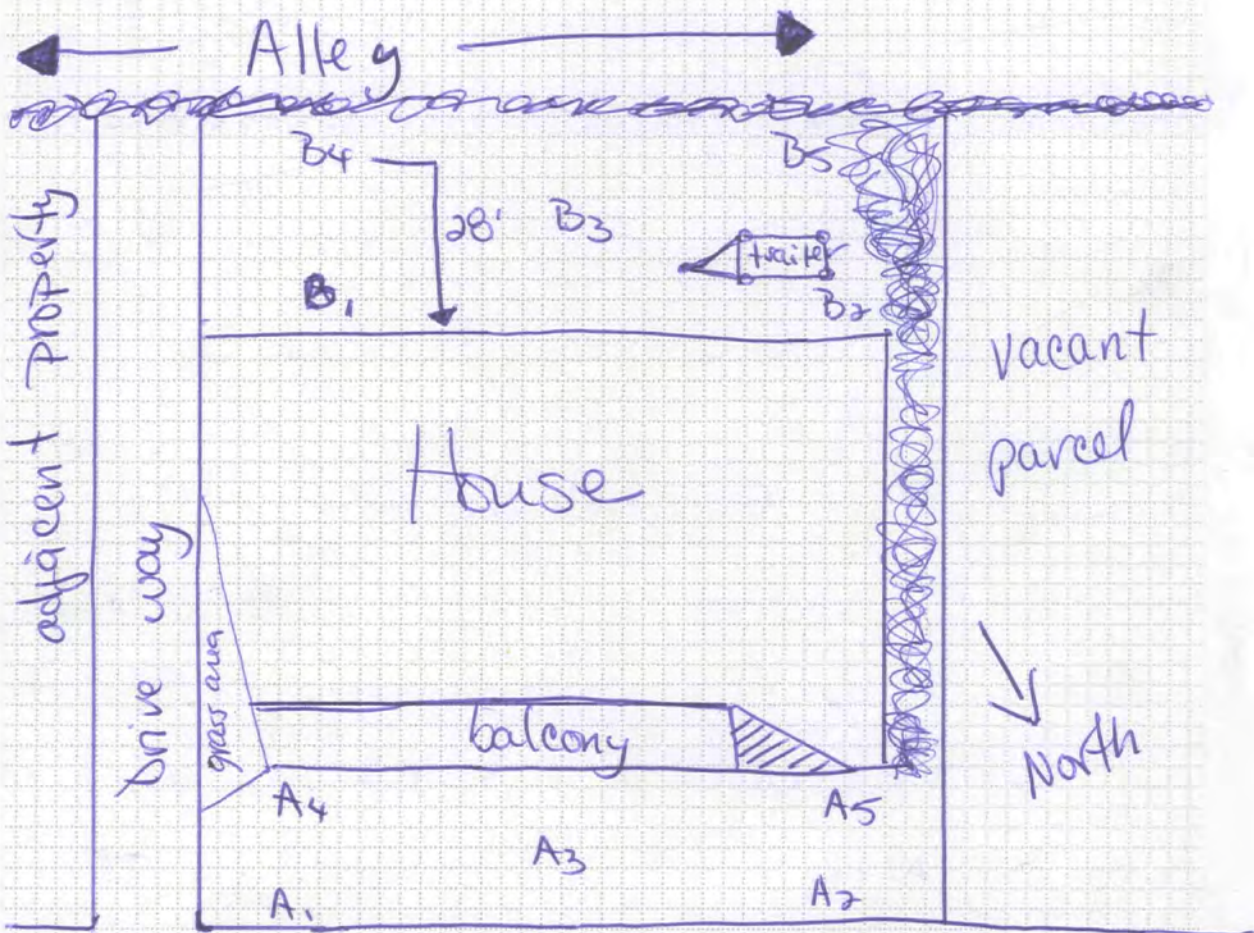
Other pertinent information (weather conditions, etc.):

62°F / cloudy / SSE 7 mph

PROPERTY COMMENTS:

No residents present at the time of sampling.

Grid for property sketch



(b) (6)

STATION ID: HP0077 A SAMPLE ID: HP0077 A-CS

SAMPLE COLLECTION TIME: 1108

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u>		Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.56497357</u>	N Longitude	<u>86.79592131</u>	W
Media description: <u>dark brown silty clay damp</u>			
Aliquot #2: Latitude: <u>33.56496258</u>	N Longitude	<u>86.7981573</u>	W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56494823</u>	N Longitude	<u>86.79586939</u>	W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.56492825</u>	N Longitude	<u>86.79592667</u>	W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.56492667</u>	N Longitude	<u>86.79582002</u>	W
Media description: <u>Same as #1</u>			

STATION ID: HP0077 B SAMPLE ID: HP0077 B-CS

SAMPLE COLLECTION TIME: 1115

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

back yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u>		Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.56472384</u>	N Longitude	<u>86.79593230</u>	W
Media description: <u>dark brown silty clay damp</u>			
Aliquot #2: Latitude: <u>33.56471865</u>	N Longitude	<u>86.79585999</u>	W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56468385</u>	N Longitude	<u>86.79589821</u>	W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.56460759</u>	N Longitude	<u>86.79587223</u>	W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.56460267</u>	N Longitude	<u>86.79593336</u>	W
Media description: <u>same as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

HP0025

DATE:

1/29/2013

ARRIVAL TIME:

1250

Other pertinent information (weather conditions, etc.):

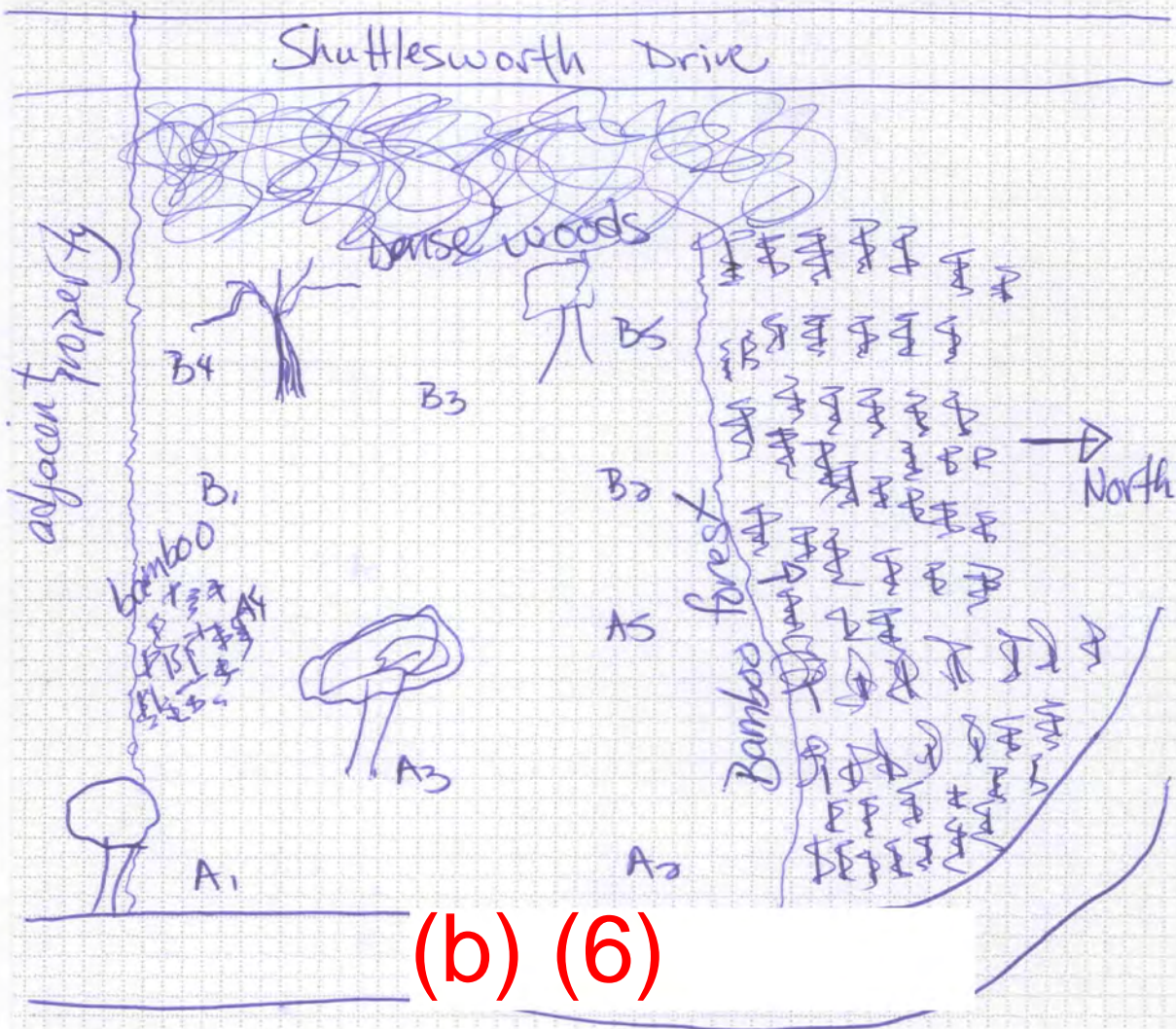
64°F cloudy / SSE 9mph wind

PROPERTY COMMENTS:

Vacant parcel

Grid for property sketch

Coal piles



(b) (6)

STATION ID: HP0025 A

SAMPLE ID: HP0025 A CS

SAMPLE COLLECTION TIME: 1313

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

sample close to 37th St. North

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 #: 018165 Logged? or N

Aliquot #1: Latitude: 33.56788515 N Longitude 86.79082505 W

Media description: dark brown clayey silt damp

Aliquot #2 Latitude: 33.56803900 N Longitude 86.79082847 W

Media description: same as #1

Aliquot #3: Latitude: 33.56796795 N Longitude 86.79090576 W

Media description: same as #1

Aliquot #4: Latitude: 33.56790099 N Longitude 86.79095084 W

Media description: same as #1

Aliquot #5: Latitude: 33.56803855 N Longitude 86.79099469 W

Media description: same as #1

STATION ID: HP0025 B

SAMPLE ID: HP0025 B-CS

SAMPLE COLLECTION TIME: 1324

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

Sample close to Shuttlesworth Drive

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0025 B-CSD

GPS Coordinates: Trimble Instrument #: 018165 Logged? or N

Aliquot #1: Latitude: 33.56790099 N Longitude 86.79101569 W

Media description: dark brown clayey silt damp

Aliquot #2 Latitude: 33.56803855 N Longitude 86.79099469 W

Media description: same as #1

Aliquot #3: Latitude: 33.56797301 N Longitude 86.79111335 W

Media description: same as #1

Aliquot #4: Latitude: 33.56794527 N Longitude 86.79119239 W

Media description: same as #1

Aliquot #5: Latitude: 33.56118746 N Longitude 86.79118746 W

Media description: same as #1

(b) (6)

ADDRESS:

PROPERTY ID: FM017a

DATE:

1/29/13

ARRIVAL TIME:

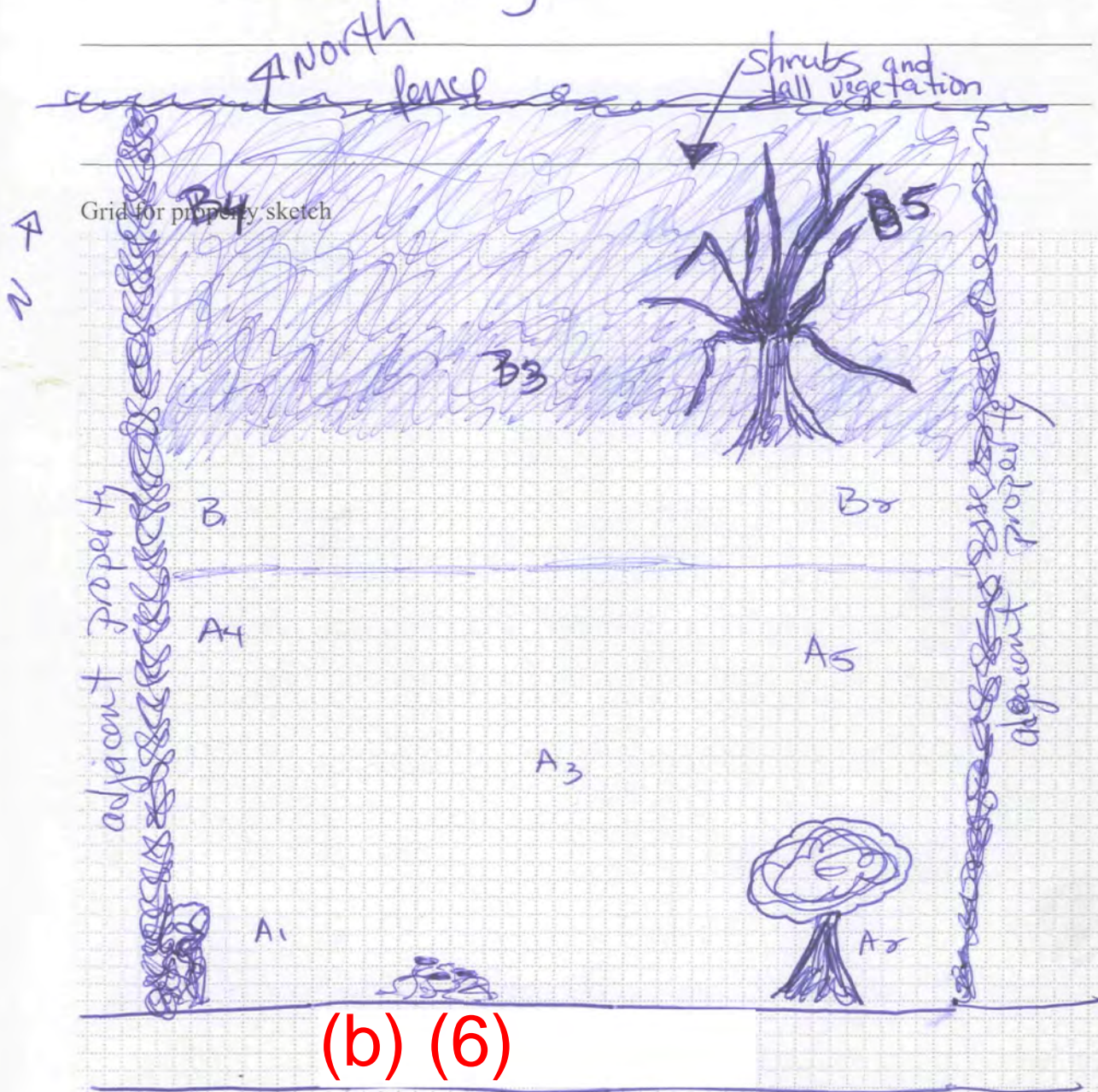
1349

Other pertinent information (weather conditions, etc.):

66° F / cloudy / S 8 mph wind

PROPERTY COMMENTS:

Vacant property



STATION ID: Fm0172A SAMPLE ID: Fm0172A-CS

SAMPLE COLLECTION TIME: 1419

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

Front half of lot

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 018165 Logged? or N

Aliquot #1: Latitude: 33.56955253 N Longitude: 86.80710569 W

Media description: Dark brown silty clay, damp

Aliquot #2 Latitude: 33.56955091 N Longitude: 86.80698264 W

Media description: Same as 1

Aliquot #3: Latitude: 33.56960647 N Longitude: 86.80704503 W

Media description: Same as 1

Aliquot #4: Latitude: 33.56966104 N Longitude: 86.807096 W

Media description: Same as Dk Brown silty clay over clean orange (LH)

Aliquot #5: Latitude: 33.56966249 N Longitude: 86.80698685 W

Media description: Same as 1 with coal fragments

STATION ID: Fm0172B SAMPLE ID: Fm0172B-CS

SAMPLE COLLECTION TIME: 1430

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

back half of lot

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 018165 Logged? or N

Aliquot #1: Latitude: 33.56949171 N Longitude: 86.80708722 W

Media description: dark brown silty clay / orange clay

Aliquot #2 Latitude: 33.56949561 N Longitude: 86.8069 W

Media description: black silt w. coal fragments

Aliquot #3: Latitude: 33.56975473 N Longitude: 86.80703976 W

Media description: dark brown silty clay damp

Aliquot #4: Latitude: 33.56983613 N Longitude: 86.80707904 W

Media description: same as #3

Aliquot #5: Latitude: 33.56984240 N Longitude: 86.80701459 W

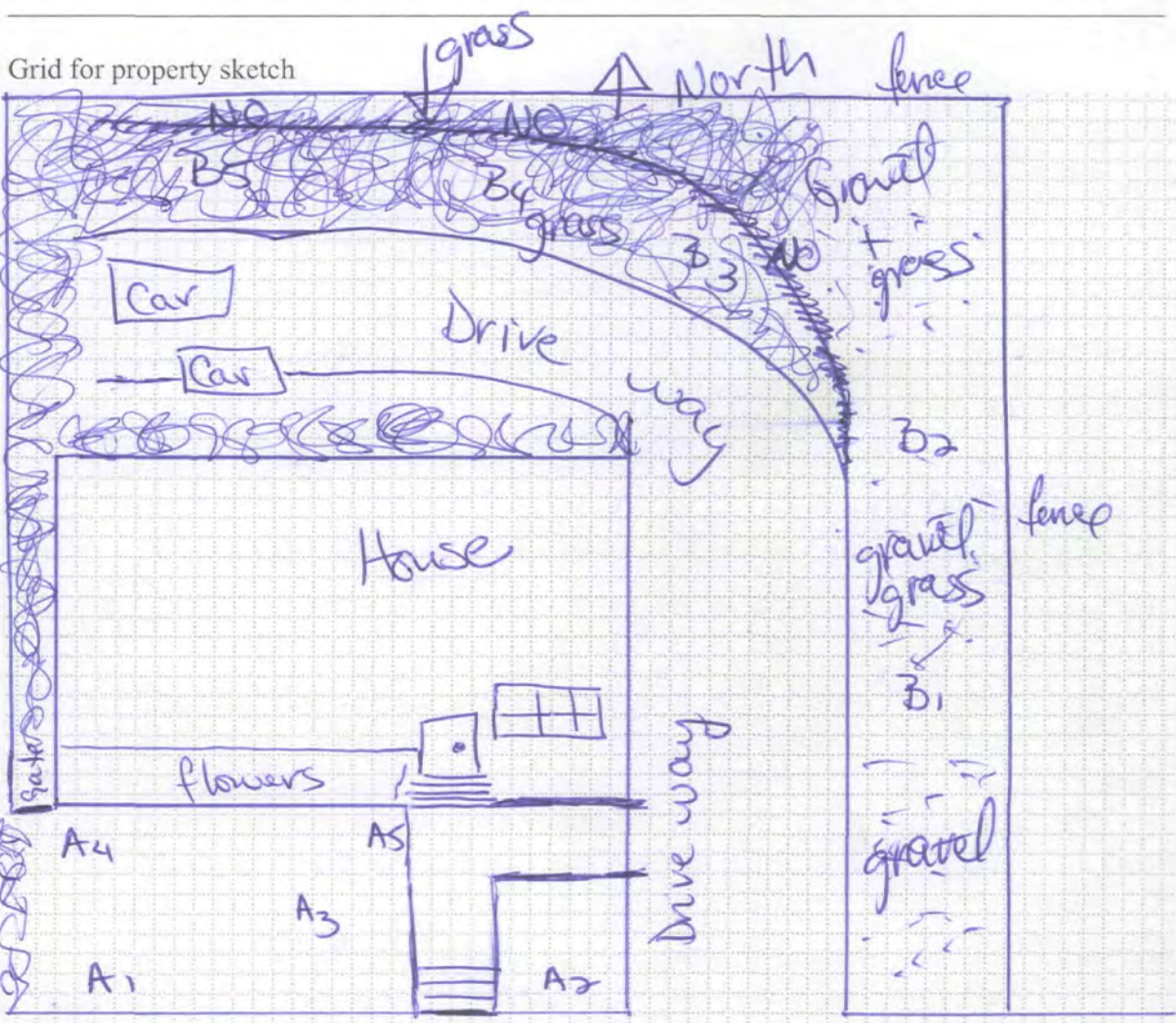
Media description: Same as #3

ADDRESS: (b) (6) PROPERTY ID: FM0113

DATE: 1/29/13 ARRIVAL TIME: 1455

Other pertinent information (weather conditions, etc.):
69°F cloudy / SE 11mph wind

PROPERTY COMMENTS:
owner present for samples collection.



(b) (6)

STATION ID: FM0113A SAMPLE ID: FM0113A-CS

SAMPLE COLLECTION TIME: 1523

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="checkbox"/> or N
✓ Aliquot #1: Latitude: <u>33.56453919</u> N Longitude <u>86.81104490</u> W Media description: <u>dark brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.56453359</u> N Longitude <u>86.81094224</u> W Media description: <u>brown silty clay damp</u>
✓ Aliquot #3: Latitude: <u>33.56455469</u> N Longitude <u>86.81099972</u> W Media description: <u>Same #1</u>
✓ Aliquot #4: Latitude: <u>33.56456700</u> N Longitude <u>86.81104480</u> W Media description: <u>Same #1</u>
Aliquot #5: Latitude: <u>33.56455294</u> N Longitude <u>86.81095303</u> W Media description: <u>brown silty clay damp</u>

STATION ID: FM0113B SAMPLE ID: FM0113B-CS

SAMPLE COLLECTION TIME: 1534

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

side/back yard combined

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>018165</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56465931</u> N Longitude <u>86.81083544</u> W Media description: <u>dark brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.56469735</u> N Longitude <u>86.81084514</u> W Media description: <u>Same as #1</u>
Aliquot #3: Latitude: <u>33.56476073</u> N Longitude <u>86.81088151</u> W Media description: <u>Same as #1</u>
Aliquot #4: Latitude: <u>33.56478586</u> N Longitude <u>86.81096524</u> W Media description: <u>brown/tan orange clay w. coal fragments damp</u>
Aliquot #5: Latitude: <u>33.56478669</u> N Longitude <u>86.81102917</u> W Media description: <u>Same as #4</u>

(b) (6)

ADDRESS:

PROPERTY ID: FM0100

DATE:

11/31/2013

ARRIVAL TIME:

0817

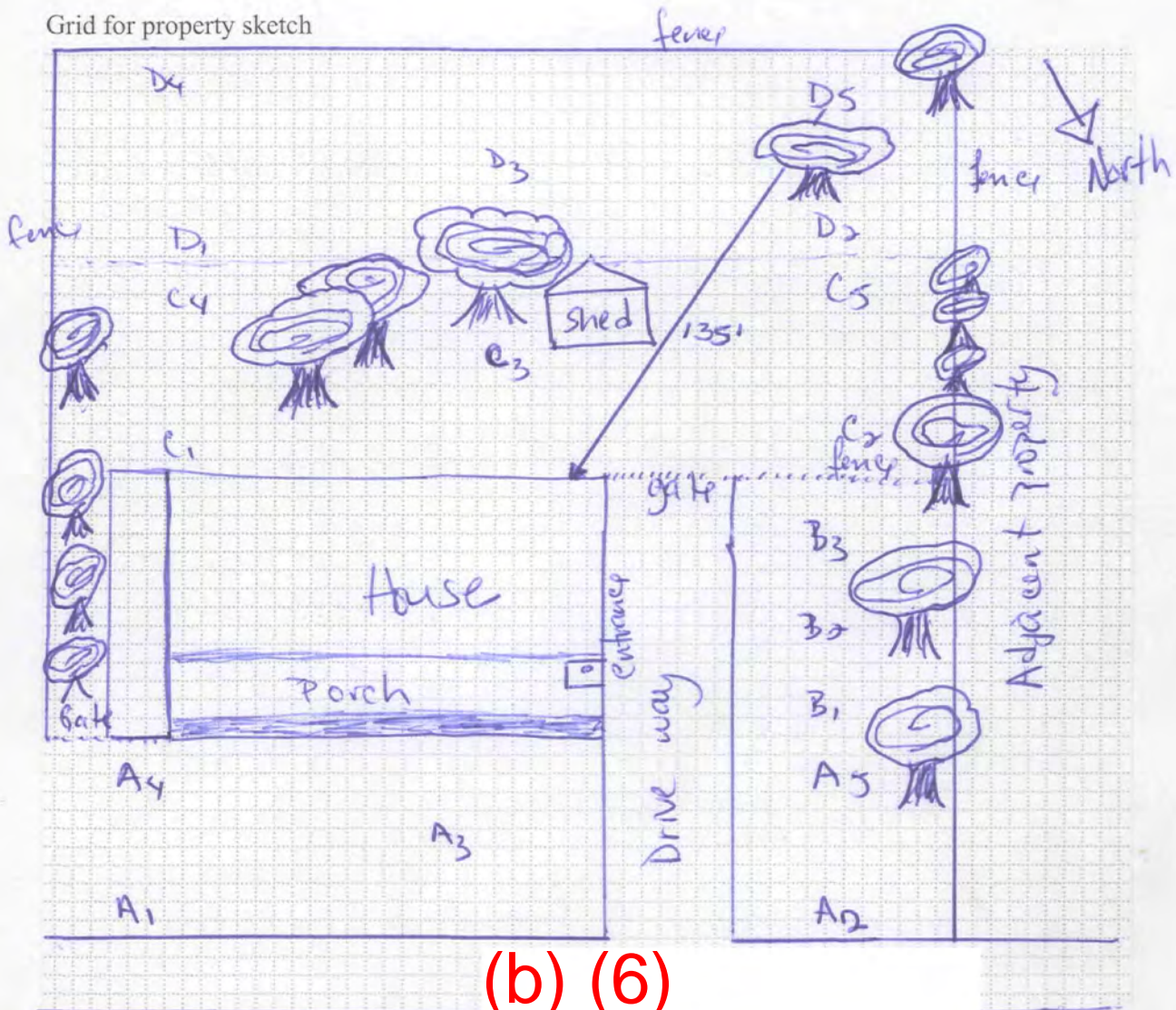
Other pertinent information (weather conditions, etc.):

34°F feels like 26°F; Sunny; W 10 mph

PROPERTY COMMENTS:

No resident present during sampling activities

Grid for property sketch



(b) (6)

STATION ID: FM0100A SAMPLE ID: FM0100A-CS

SAMPLE COLLECTION TIME: 08:50

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: FM0100A-CSD

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018165</u> Logged? <input checked="" type="radio"/> or N
Aliquot #1: Latitude: <u>33.56915723</u> N Longitude <u>86.80412507</u> W Media description: <u>Dark brown silty CLAY. Dump</u>
Aliquot #2: Latitude: <u>33.56932228</u> N Longitude <u>86.80412755</u> W Media description: <u>Same as #1</u>
Aliquot #3: Latitude: <u>33.56927706</u> N Longitude <u>86.80415728</u> W Media description: <u>Same as #1</u>
Aliquot #4: Latitude: <u>33.56916097</u> N Longitude <u>86.80417851</u> W Media description: <u>Same as #1</u>
Aliquot #5: Latitude: <u>33.56931227</u> N Longitude <u>86.80421998</u> W Media description: <u>Same as #1</u>

STATION ID: FM0100B SAMPLE ID: FM0100B-CS

SAMPLE COLLECTION TIME: 0902

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

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>018165</u> Logged? <input checked="" type="radio"/> or N
Aliquot #1: Latitude: <u>33.56931808</u> N Longitude <u>86.80423552</u> W Media description: <u>Dark brown silty CLAY.</u>
Aliquot #2: Latitude: <u>33.56931861</u> N Longitude <u>86.80428060</u> W Media description: <u>Same as #1</u>
Aliquot #3: Latitude: <u>33.56932476</u> N Longitude <u>86.80431274</u> W Media description: <u>Same as #1</u>
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____

(b) (6)

ADDRESS: _____ PROPERTY ID: Fm100

DATE: 11/31/2013 ARRIVAL TIME: 0817

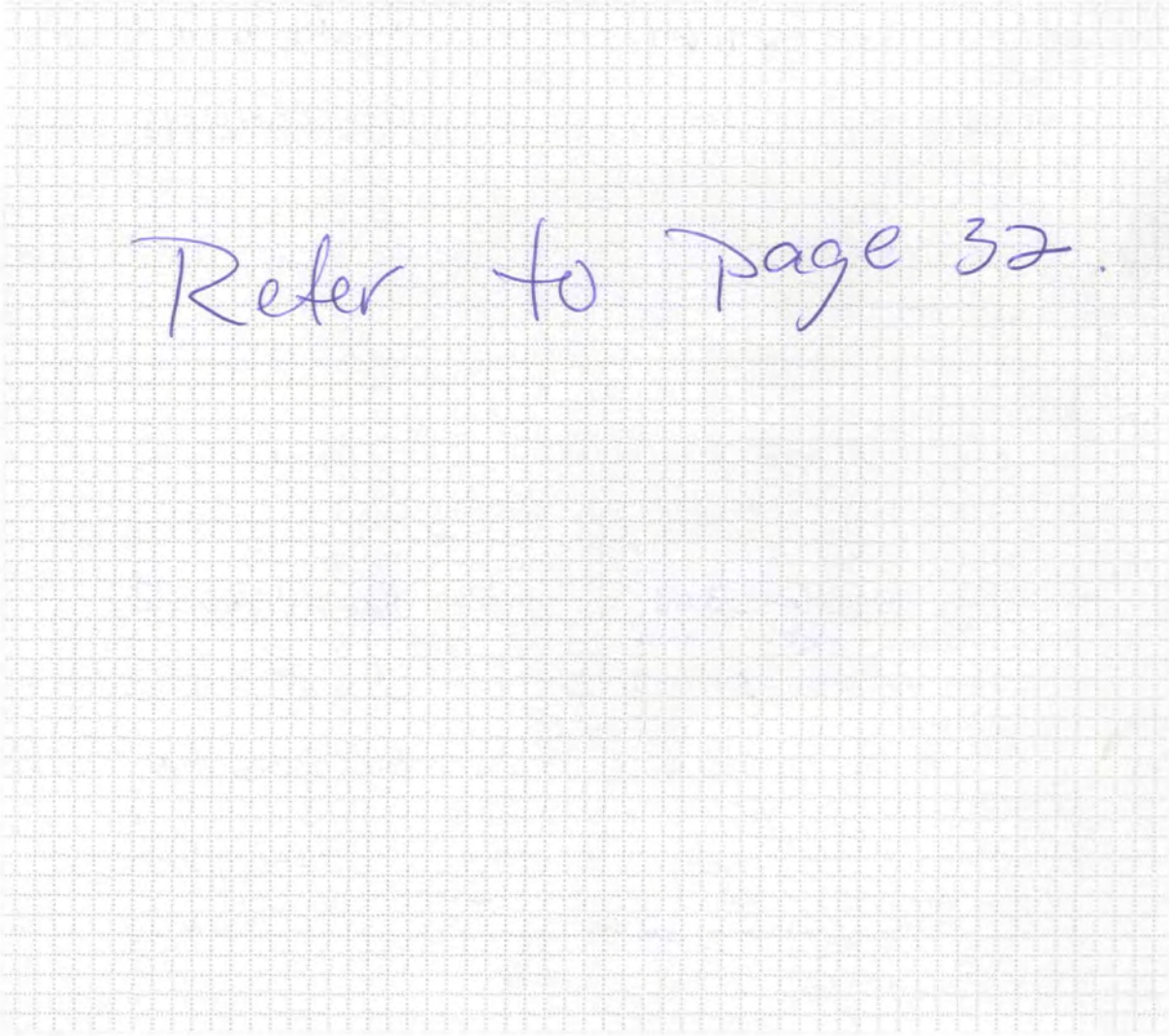
Other pertinent information (weather conditions, etc.):

35°F and sunny

PROPERTY COMMENTS:

Refer to page 32

Grid for property sketch



STATION ID: Fm0100c SAMPLE ID: Fm0100c-cs

SAMPLE COLLECTION TIME: 09:13

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

back yard #1

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>018165</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56917393</u> N Longitude <u>86.80437563</u> W	Media description: <u>Dark brown silty clay with gravel</u> <u>Pamp</u>
Aliquot #2: Latitude: <u>33.56931161</u> N Longitude <u>86.80437061</u> W	Media description: <u>Dk brown silty clay over red/brown clay</u> <u>- Det.</u>
Aliquot #3: Latitude: <u>33.56923419</u> N Longitude <u>86.80443305</u> W	Media description: <u>Dark brown silty CLAY</u> <u>Wet.</u>
Aliquot #4: Latitude: <u>33.56916736</u> N Longitude <u>86.80451145</u> W	Media description: <u>See as #3</u>
Aliquot #5: Latitude: <u>33.56932040</u> N Longitude <u>86.80452017</u> W	Media description: <u>See as #3</u>

STATION ID: Fm0100d- SAMPLE ID: Fm0100d-cs

SAMPLE COLLECTION TIME: 0924

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

back yard #2

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>018165</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56918088</u> N Longitude <u>86.80460118</u> W	Media description: <u>dark brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.56922920</u> N Longitude <u>86.80461919</u> W	Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.56924063</u> N Longitude <u>86.80468302</u> W	Media description: <u>orange clay damp</u>
Aliquot #4: Latitude: <u>33.56918743</u> N Longitude <u>86.80476610</u> W	Media description: <u>dark brown mud</u>
Aliquot #5: Latitude: <u>33.56932606</u> N Longitude <u>86.80477469</u> W	Media description: <u>Same as #4</u>

(b) (6)

ADDRESS:

PROPERTY ID: FM0078

DATE:

1/31/2013

ARRIVAL TIME:

0945

Other pertinent information (weather conditions, etc.):

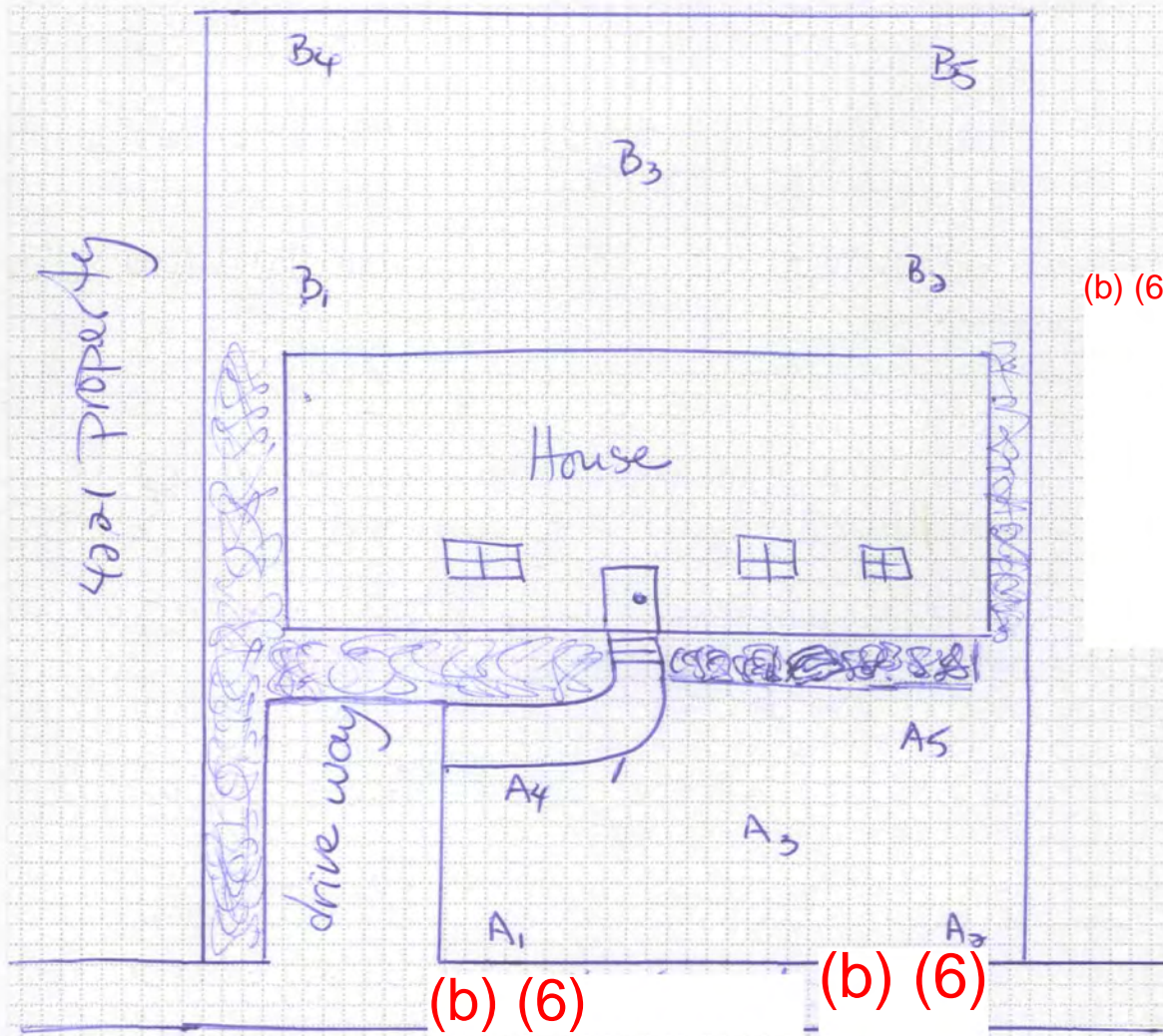
37°F; sunny; WNW 15 mph

PROPERTY COMMENTS:

owner at property during sampling; START will collect a front yard and a back yard sample.

North

Grid for property sketch



STATION ID: FM0078A-

SAMPLE ID: FM0078A-CS

SAMPLE COLLECTION TIME: 1008

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018165</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude: <u>33.56688166</u>	N Longitude: <u>86.81141655</u>	W
	Media description: <u>Dark Brown silty CLAY, Damp.</u>		
Aliquot #2:	Latitude: <u>33.56680274</u>	N Longitude: <u>86.81142001</u>	W
	Media description: <u>Same as #1.</u>		
Aliquot #3:	Latitude: <u>33.56684331</u>	N Longitude: <u>86.81137918</u>	W
	Media description: <u>Same as #1.</u>		
Aliquot #4:	Latitude: <u>33.56688375</u>	N Longitude: <u>86.81136027</u>	W
	Media description: <u>Same as #1.</u>		
Aliquot #5:	Latitude: <u>33.56680300</u>	N Longitude: <u>86.81134661</u>	W
	Media description: <u>Same as #1.</u>		

STATION ID: Fm 0078B

SAMPLE ID: FM0078B-CS

SAMPLE COLLECTION TIME: 1018

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

back yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018165</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude: <u>33.56690993</u>	N Longitude: <u>86.81119349</u>	W
	Media description: <u>dark brown silty clay; damp</u>		
Aliquot #2:	Latitude: <u>33.56680240</u>	N Longitude: <u>86.81118587</u>	W
	Media description: <u>same as #1</u>		
Aliquot #3:	Latitude: <u>33.56685985</u>	N Longitude: <u>86.81111832</u>	W
	Media description: <u>same as #1</u>		
Aliquot #4:	Latitude: <u>33.56689279</u>	N Longitude: <u>86.81105088</u>	W
	Media description: <u>same as #1</u>		
Aliquot #5:	Latitude: <u>33.56681471</u>	N Longitude: <u>86.81104772</u>	W
	Media description: <u>same as #1</u>		

(b) (6)

ADDRESS:

PROPERTY ID: FM0029

DATE:

1/31/13

ARRIVAL TIME:

1030

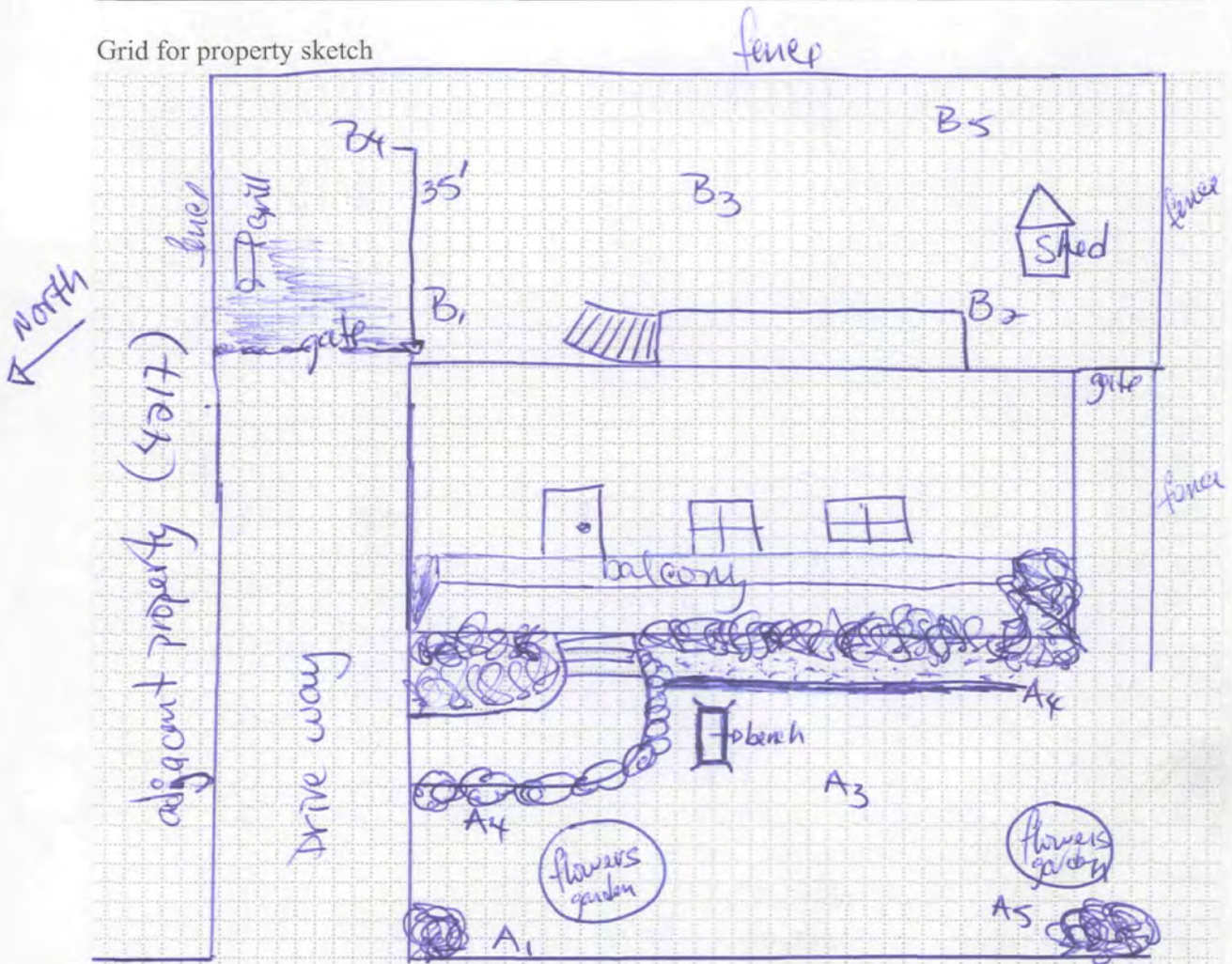
Other pertinent information (weather conditions, etc.):

37° F / sunny / WNW 15 mph

PROPERTY COMMENTS:

Resident advised for the sampling event.

Grid for property sketch



(b) (6)

STATION ID: Fm0029A SAMPLE ID: Fm0029A-CS

SAMPLE COLLECTION TIME: 10:59

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018165</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56688324</u>	N Longitude	<u>86.81045931</u>	W
	Media description:	<u>Dark brown gravelly silty CLAY, Dmp</u>			
Aliquot #2:	Latitude:	<u>33.56680573</u>	N Longitude	<u>86.81044224</u>	W
	Media description:	<u>Same as # 1</u>			
Aliquot #3:	Latitude:	<u>33.56684070</u>	N Longitude	<u>86.81041185</u>	W
	Media description:	<u>Same as # 1</u>			
Aliquot #4:	Latitude:	<u>33.56688883</u>	N Longitude	<u>86.81041338</u>	W
	Media description:	<u>Same as # 1</u>			
Aliquot #5:	Latitude:	<u>33.56679797</u>	N Longitude	<u>86.81037630</u>	W
	Media description:	<u>Same as # 1</u>			

STATION ID: Fm0029B SAMPLE ID: Fm0029B-CS

SAMPLE COLLECTION TIME: 1102

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

back yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018165</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56691316</u>	N Longitude	<u>86.81018990</u>	W
	Media description:	<u>dark brown gravelly silty clay</u>			
Aliquot #2:	Latitude:	<u>33.56684308</u>	N Longitude	<u>86.81020329</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #3:	Latitude:	<u>33.56687792</u>	N Longitude	<u>86.81013826</u>	W
	Media description:	<u>dark brown silty clay</u>			
Aliquot #4:	Latitude:	<u>33.56691374</u>	N Longitude	<u>86.81006950</u>	W
	Media description:	<u>same as # 3</u>			
Aliquot #5:	Latitude:	<u>33.56684017</u>	N Longitude	<u>86.81007479</u>	W
	Media description:	<u>same as # 3</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

Fm0007

DATE:

1/31/13

ARRIVAL TIME:

1110

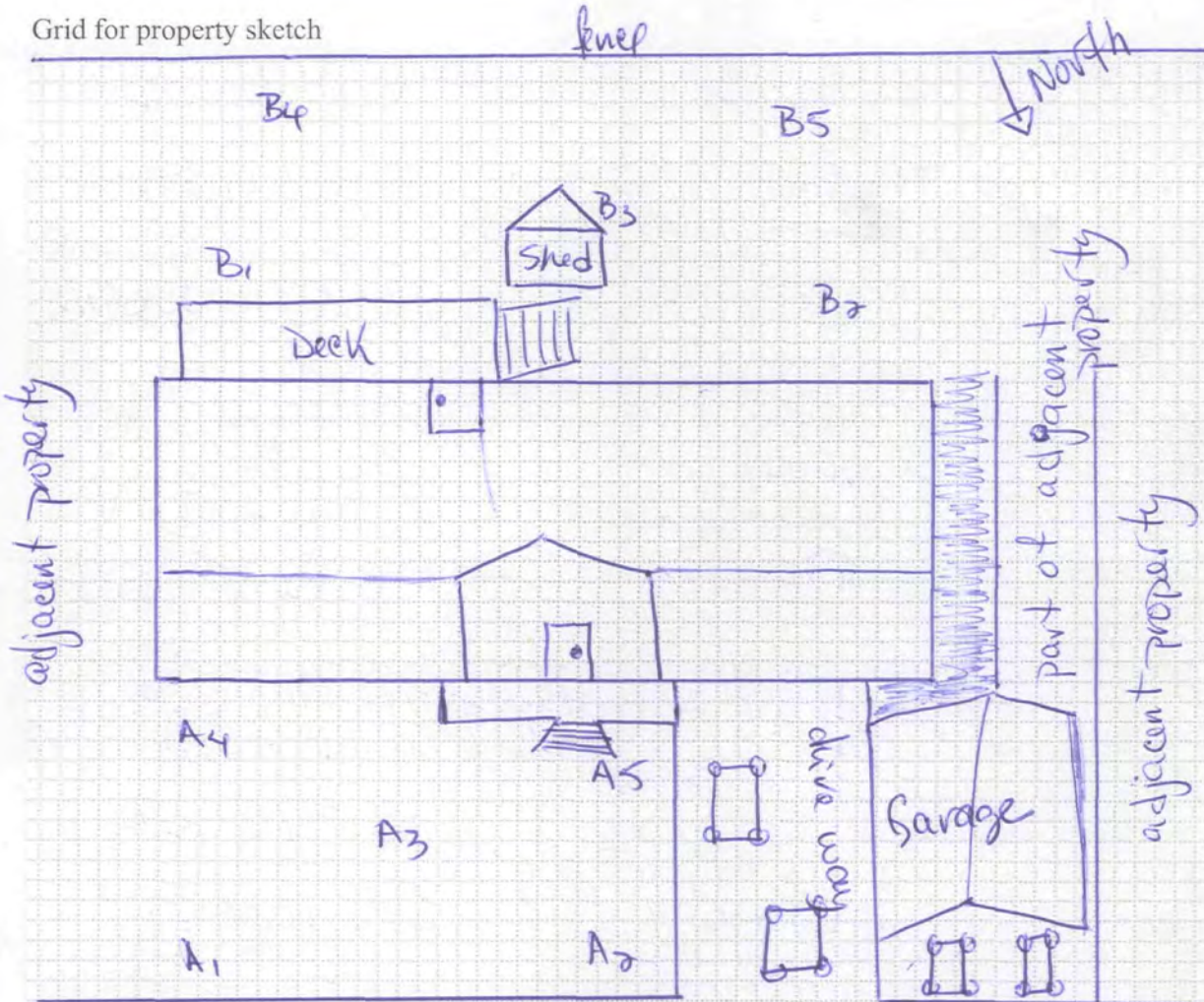
Other pertinent information (weather conditions, etc.):

41°F / sunny / WNW 7 mph

PROPERTY COMMENTS:

No response when START arrived and reached at the door to advise.

Grid for property sketch



STATION ID: FM0027A SAMPLE ID: FM0027A-CS

SAMPLE COLLECTION TIME: 11:32

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

front yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 018105 Logged? or N

Aliquot #1: Latitude: 33.56670121 N Longitude 86.81055700 W

Media description: Dark brown silty CLAY, damp.

Aliquot #2 Latitude: 33.56675218 N Longitude 86.81056834 W

Media description: Same as #1

Aliquot #3: Latitude: 33.56672465 N Longitude 86.81060023 W

Media description: Same as #1

Aliquot #4: Latitude: 33.56668902 N Longitude 86.81062086 W

Media description: Same as #1

Aliquot #5: Latitude: 33.56674400 N Longitude 86.81064731 W

Media description: Same as #1

STATION ID: FM0027B SAMPLE ID: FM0027B-CS

SAMPLE COLLECTION TIME: 1145

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

back yard

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 018105 Logged? or N

Aliquot #1: Latitude: 33.56666049 N Longitude 86.81080705 W

Media description: dark brown silty clay w. orange clay / damp

Aliquot #2 Latitude: 33.56677006 N Longitude 86.81084488 W

Media description: Same as #1

Aliquot #3: Latitude: 33.56671740 N Longitude 86.81089382 W

Media description: Same as #1

Aliquot #4: Latitude: 33.5667432 N Longitude 86.81095855 W

Media description: Same as #1

Aliquot #5: Latitude: 33.56675514 N Longitude 86.81097179 W

Media description: Same as #1

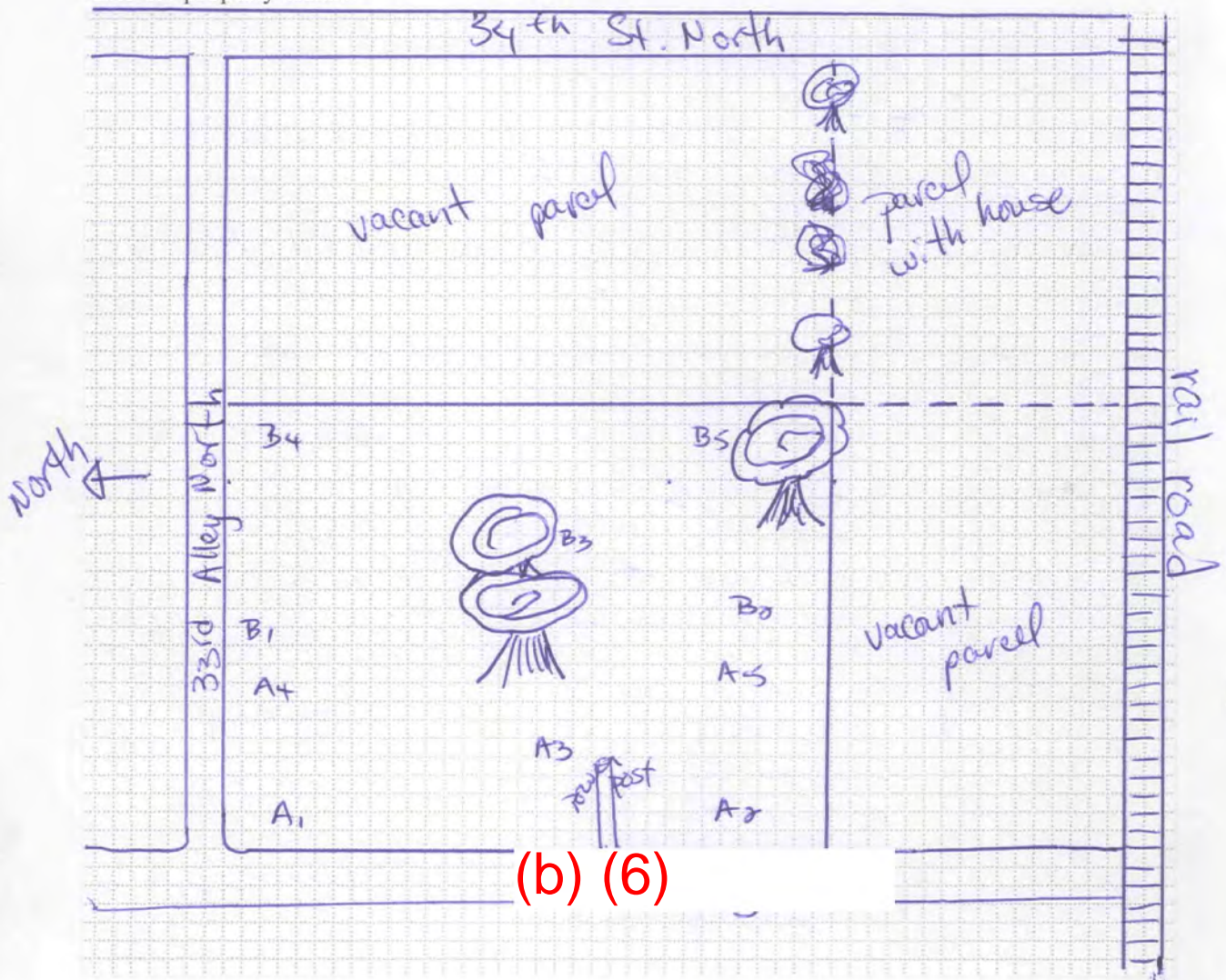
ADDRESS: **(b) (6)** PROPERTY ID: CV0898

DATE: 1/31/2013 ARRIVAL TIME: 1315

Other pertinent information (weather conditions, etc.):
50°F / sunny / WNW 10 mph

PROPERTY COMMENTS:
vacant parcel.

Grid for property sketch



STATION ID: CV0898A SAMPLE ID: CV0898A-CS

SAMPLE COLLECTION TIME: 1349

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

first half facing 33rd way N.

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>018105</u> Logged? <u>(Y)</u> or N			
Aliquot #1: Latitude: <u>33.55313453</u>	N Longitude	<u>86.79903740</u>	W
Media description: <u>dark brown/black silty clay / damp + coal fragments</u>			
Aliquot #2 Latitude: <u>33.55299005</u>	N Longitude	<u>86.7990384</u>	W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55305259</u>	N Longitude	<u>86.79898090</u>	W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.553133603</u>	N Longitude	<u>86.79891600</u>	W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55299081</u>	N Longitude	<u>86.79891651</u>	W
Media description: <u>same as #1</u>			

STATION ID: CV0898B SAMPLE ID: CV0898B-CS

SAMPLE COLLECTION TIME: 1359

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

second half

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>018105</u> Logged? <u>(Y)</u> or N			
Aliquot #1: Latitude: <u>33.55313478</u>	N Longitude	<u>86.79887132</u>	W
Media description: <u>dark brown/black silty clay + gravel + coal fragments</u>			
Aliquot #2 Latitude: <u>33.55298847</u>	N Longitude	<u>86.79888199</u>	W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55305618</u>	N Longitude	<u>86.79883470</u>	W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55313024</u>	N Longitude	<u>86.79879086</u>	W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55300264</u>	N Longitude	<u>86.79879002</u>	W
Media description: <u>same as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

CV0858

DATE:

11/3/2013

ARRIVAL TIME:

1420

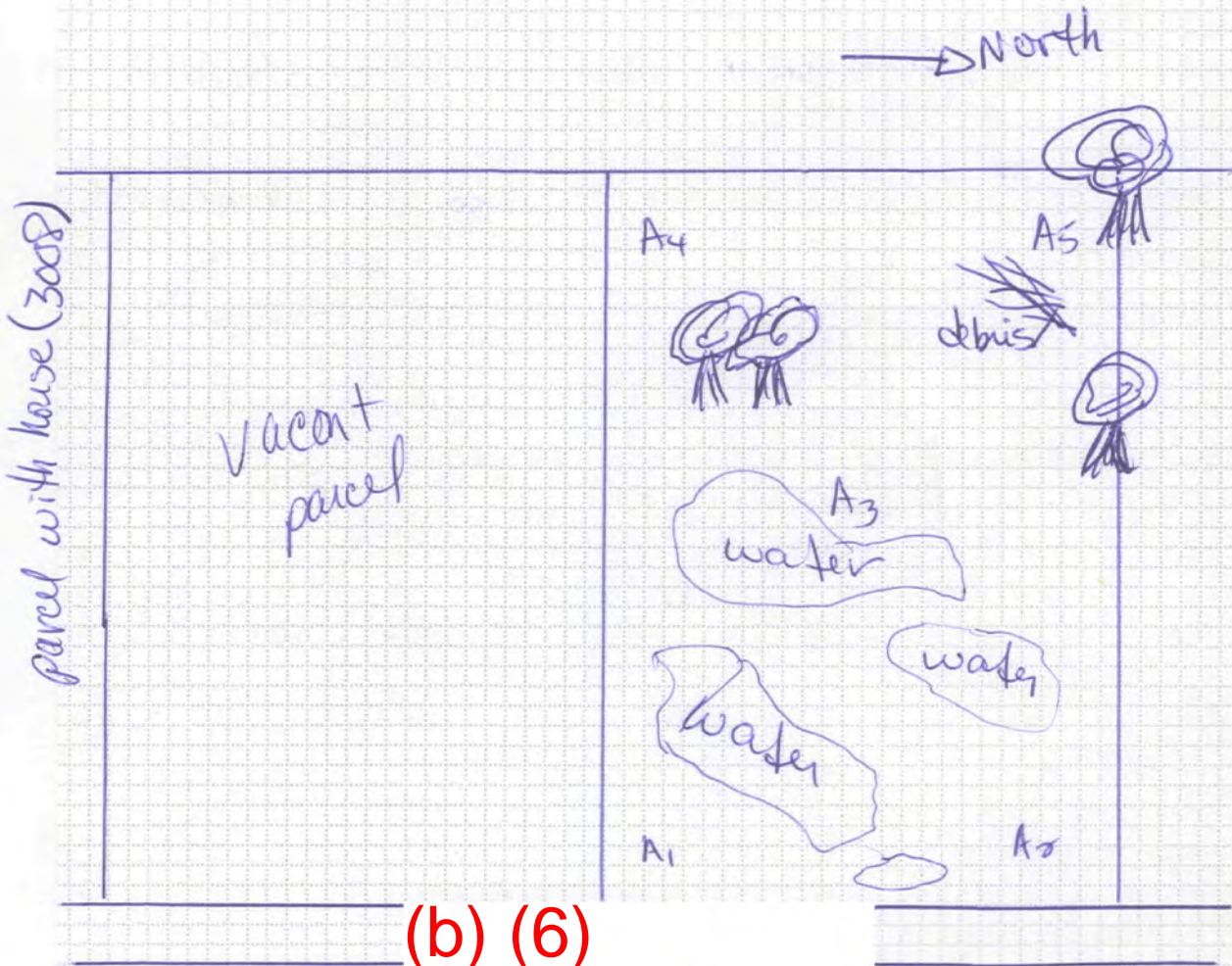
Other pertinent information (weather conditions, etc.):

53° F / sunny / WNW 10 mph

PROPERTY COMMENTS:

vacant parcel

Grid for property sketch



(b) (6)

STATION ID: CV0858A SAMPLE ID: CV0858A-CS

SAMPLE COLLECTION TIME: 1438

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
facing 33rd place north

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 #: 08105 Logged? or N

Aliquot #1: Latitude: 33.55333473 N Longitude 86.79994596 W
Media description: Dark brown gravelly silty CLAY, wet.

Aliquot #2 Latitude: 33.55342119 N Longitude 86.79994336 W
Media description: Same as #1

Aliquot #3: Latitude: 33.55336989 N Longitude 86.80007921 W
Media description: Orange CLAY, damp

Aliquot #4: Latitude: 33.55334438 N Longitude 86.80018516 W
Media description: Dark brown silty CLAY, damp

Aliquot #5: Latitude: 33.55342052 N Longitude 86.80019410 W
Media description: Same as #4

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:

CV0852

DATE:

1/31/2013

ARRIVAL TIME:

1440

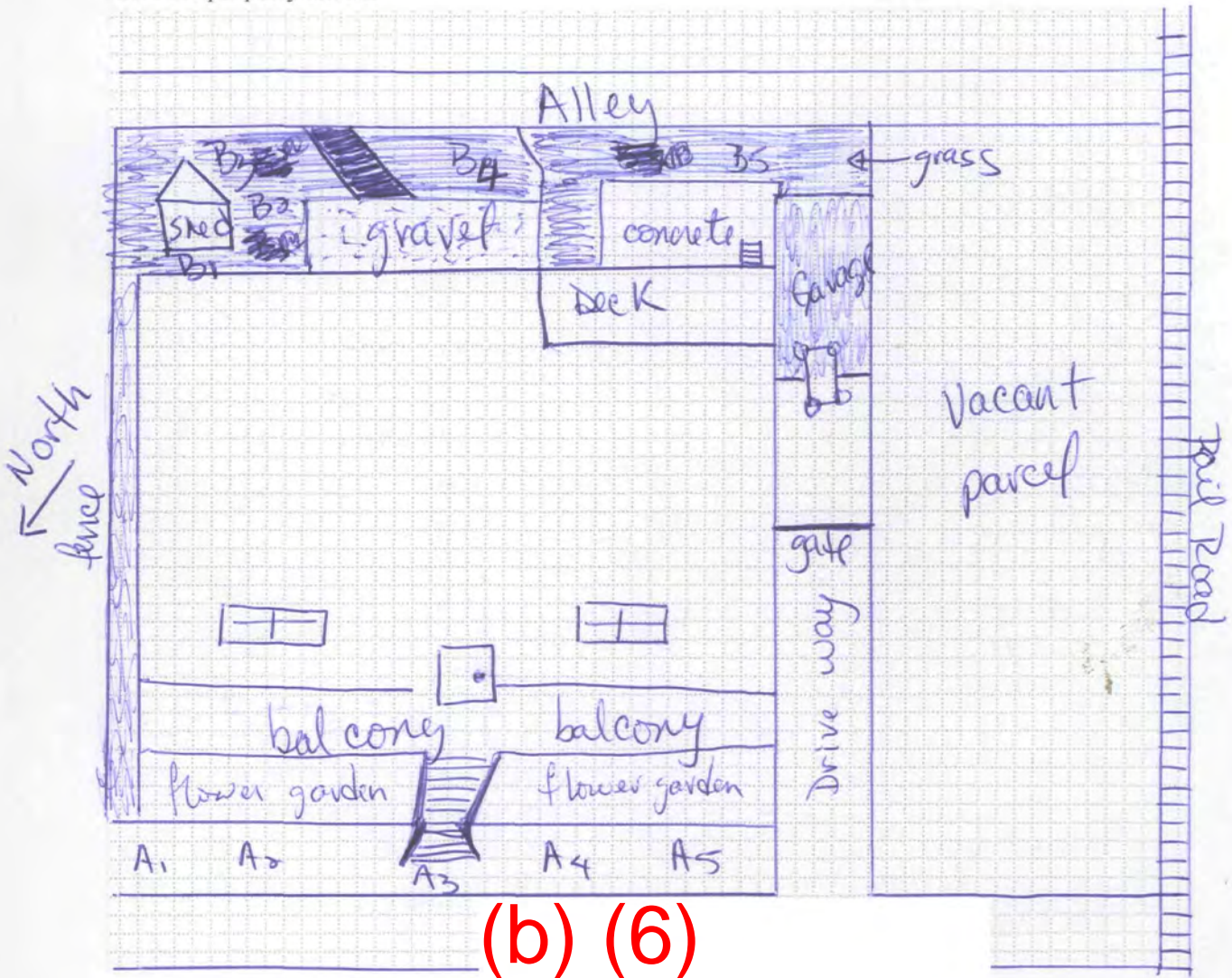
Other pertinent information (weather conditions, etc.):

51°F / sunny / w 11 mph

PROPERTY COMMENTS:

Owners present by the time of sampling.

Grid for property sketch



(b) (6)

STATION ID: CU0852A SAMPLE ID: CU0852A-CS

SAMPLE COLLECTION TIME: 15:10

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

front yard

Collection: Composite or Grab

MS/MSD? Y or (N)

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>08105</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: <u>33.55308761</u> N Longitude <u>86.7998218</u> W Media description: <u>Dark brown silty CLAY, damp.</u>
Aliquot #2: Latitude: <u>33.55306069</u> N Longitude <u>86.79981420</u> W Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.55303917</u> N Longitude <u>86.79980618</u> W Media description: <u>same as #1</u>
Aliquot #4: Latitude: <u>33.55301503</u> N Longitude <u>86.79982897</u> W Media description: <u>same as #1</u>
Aliquot #5: Latitude: <u>33.55299810</u> N Longitude <u>86.79983577</u> W Media description: <u>same as #1 with some gravel.</u>

STATION ID: CU0852B SAMPLE ID: CU0852B-CS

SAMPLE COLLECTION TIME: 1520

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

back yard

Collection: Composite or Grab

MS/MSD? Y or (N)

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>08105</u> Logged? <u>(Y)</u> or N
Aliquot #1: Latitude: <u>33.55302056</u> N Longitude <u>86.79960291</u> W Media description: <u>brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.55303839</u> N Longitude <u>86.79958547</u> W Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.55305981</u> N Longitude <u>86.79954558</u> W Media description: <u>brown silty clay damp</u>
Aliquot #4: Latitude: <u>33.55303206</u> N Longitude <u>86.79954698</u> W Media description: <u>same as #1</u>
Aliquot #5: Latitude: <u>33.55300278</u> N Longitude <u>86.79954937</u> W Media description: <u>same as #1 w. slag fragments</u>

(b) (6)

ADDRESS:

PROPERTY ID: CVD452

DATE: 2-1-13

ARRIVAL TIME: 0820

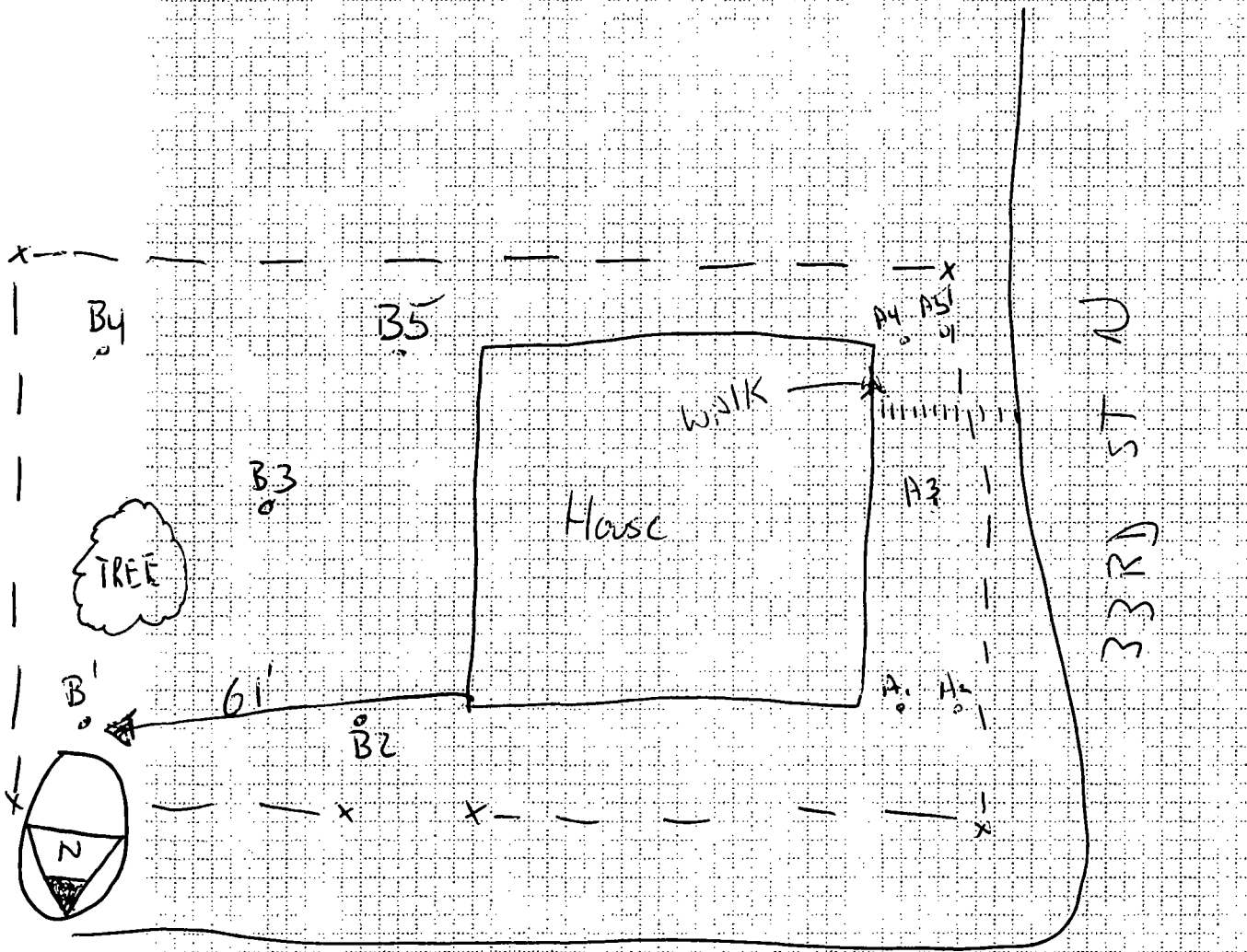
Other pertinent information (weather conditions, etc.):

38° sunny & cold

PROPERTY COMMENTS:

corner lot

Grid for property sketch



(b) (6)

STATION ID: CV045Z SAMPLE ID: CV045ZA-CS

SAMPLE COLLECTION TIME: 0854

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

Front yard

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55538488</u> N Longitude: <u>86.80044034</u> W	Media description: <u>Dark brown silty CLAY, some slag gravel</u>
Aliquot #2: Latitude: <u>33.55538885</u> N Longitude: <u>86.80048305</u> W	Media description: <u>Dark Brown gravelly silty CLAY</u>
Aliquot #3: Latitude: <u>33.55534458</u> N Longitude: <u>86.80046391</u> W	Media description: <u>Same as # 2</u>
Aliquot #4: Latitude: <u>33.55530073</u> N Longitude: <u>86.80046068</u> W	Media description: <u>Same as # 2</u>
Aliquot #5: Latitude: <u>33.55530124</u> N Longitude: <u>86.80048800</u> W	Media description: <u>Same as # 2</u>

STATION ID: CV045Z SAMPLE ID: CV045ZB-CS

SAMPLE COLLECTION TIME: 0902

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

Backyard

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>018594</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55538532</u> N Longitude: <u>86.80008734</u> W	Media description: <u>Dark brown silty CLAY</u>
Aliquot #2: Latitude: <u>33.55537991</u> N Longitude: <u>86.80024129</u> W	Media description: <u>Dark brown silty clay w/ slag gravel</u>
Aliquot #3: Latitude: <u>33.55534887</u> N Longitude: <u>86.80016281</u> W	Media description: <u>Same as # 1</u>
Aliquot #4: Latitude: <u>33.55531898</u> N Longitude: <u>86.80008447</u> W	Media description: <u>Same as # 2</u>
Aliquot #5: Latitude: <u>33.55530379</u> N Longitude: <u>86.80023176</u> W	Media description: <u>Same as # 2</u>

(b) (6)

ADDRESS:

PROPERTY ID: CVO 453

DATE: 2-1-13

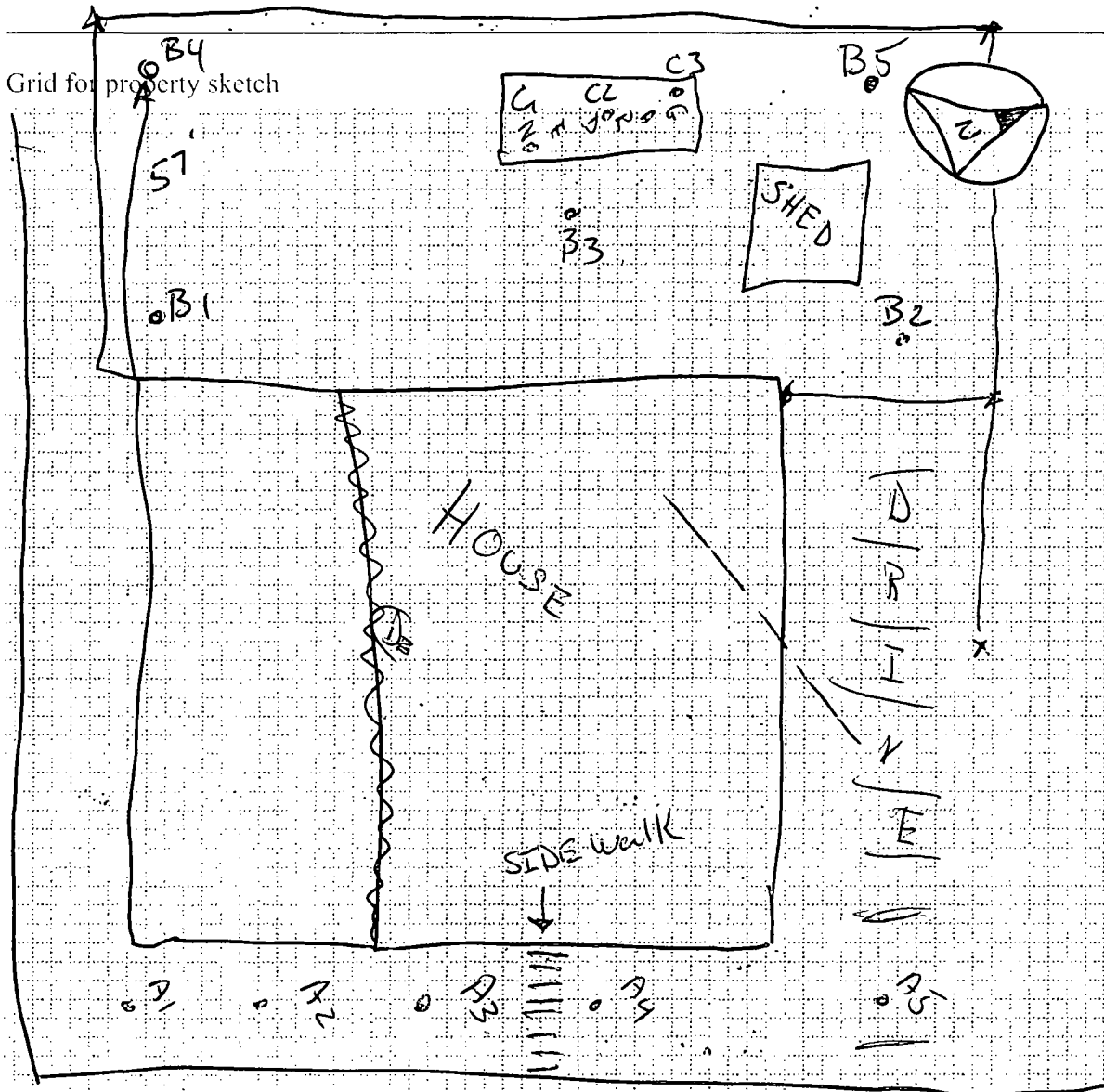
ARRIVAL TIME: 0915

Other pertinent information (weather conditions, etc.):

38° Sunny Cold

PROPERTY COMMENTS:

corner lot



2-1-13

STATION ID: CV0453 SAMPLE ID: CV0453A-CS

SAMPLE COLLECTION TIME: 0936

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55551879</u> N Longitude: <u>86.80062782</u> W	Media description: <u>Dark brown silty clay w/ silt gravel, Damp</u>
Aliquot #2: Latitude: <u>33.55554573</u> N Longitude: <u>86.80062086</u> W	Media description: <u>Same as #1</u>
Aliquot #3: Latitude: <u>33.55557498</u> N Longitude: <u>86.80062042</u> W	Media description: <u>Same as #1</u>
Aliquot #4: Latitude: <u>33.55560081</u> N Longitude: <u>86.80064632</u> W	Media description: <u>Same as #1</u>
Aliquot #5: Latitude: <u>33.55563652</u> N Longitude: <u>86.80063000</u> W	Media description: <u>Same as #1</u>

STATION ID: CV0453 SAMPLE ID: CV0453B-CS

SAMPLE COLLECTION TIME: 0949

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.555538</u> N Longitude: <u>86.80094755</u> W	Media description: <u>Dark Brown silty clay w/ silt gravel wet</u>
Aliquot #2: Latitude: <u>33.55563992</u> N Longitude: <u>86.80093825</u> W	Media description: <u>SAME as #1</u>
Aliquot #3: Latitude: <u>33.55558960</u> N Longitude: <u>86.80090937</u> W	Media description: <u>SAME as #2</u>
Aliquot #4: Latitude: <u>33.55555072</u> N Longitude: <u>86.80100519</u> W	Media description: <u>SAME as #1</u>
Aliquot #5: Latitude: <u>33.55564323</u> N Longitude: <u>86.80100833</u> W	Media description: <u>SAME as #1</u>

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0453 SAMPLE ID: CV0453C-GS

SAMPLE COLLECTION TIME: 0959

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

Garden sample

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? Y or N			
Aliquot #1: Latitude: <u>33,5558598</u>	N Longitude	<u>86,80097058</u>	W
Media description: <u>Dark Brown silty clay w/slag</u>			
Aliquot #2: Latitude: <u>33,55560474</u>	N Longitude	<u>86,80097711</u>	W
Media description: <u>Same as 1</u>			
Aliquot #3: Latitude: <u>33,55562223</u>	N Longitude	<u>86,80098490</u>	W
Media description: <u>Same as 1</u>			
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: _____ 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.