

LB00023

REDACTED

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 1 of 2

Inclusive Dates: 1/7/2013 - 1/10/2013

List of Sampling Team in logbook:

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



General Soil Descriptions

Color	Abbv
Black	blk
Brown	bwn
Light Brown	lt/bwn
Dark Brown	dk/bwn
Gray	gry
Light Gray	lt/gry
Olive Gray	olv/gry
Greenish Gray	grn/gry
Dark Gray	dk/gry
Tan	tn
Light Tan	lt/tn
Orange	Org
Red	Rd

Soils	Abbv
Clay	CL
Sandy Clay	sndy CL
Silty Clay	slty CL
Sand	Snd
Silty Sand	slty Snd
Silt	slt
Grass	grs
Organic	Org

Sizes	Abbv
Coarse	C
Coarse to medium	c-m
Coarse to fine	c-f
Medium to fine	m-f
Fine	f

Texture	Abbv
Hard	hrd
Dry	Dry
brittle	brt
Stiff	stf
Very Stiff	vry stf
soft	sft
Very Soft	vry sft
Damp	dmp
Wet	wt
Wet	wt

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.

THIS PAGE LEFT INTENTIONALLY BLANK

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

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

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

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

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

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

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0111

DATE: ~~10/7~~ 1/07/13 ARRIVAL TIME: 12:55

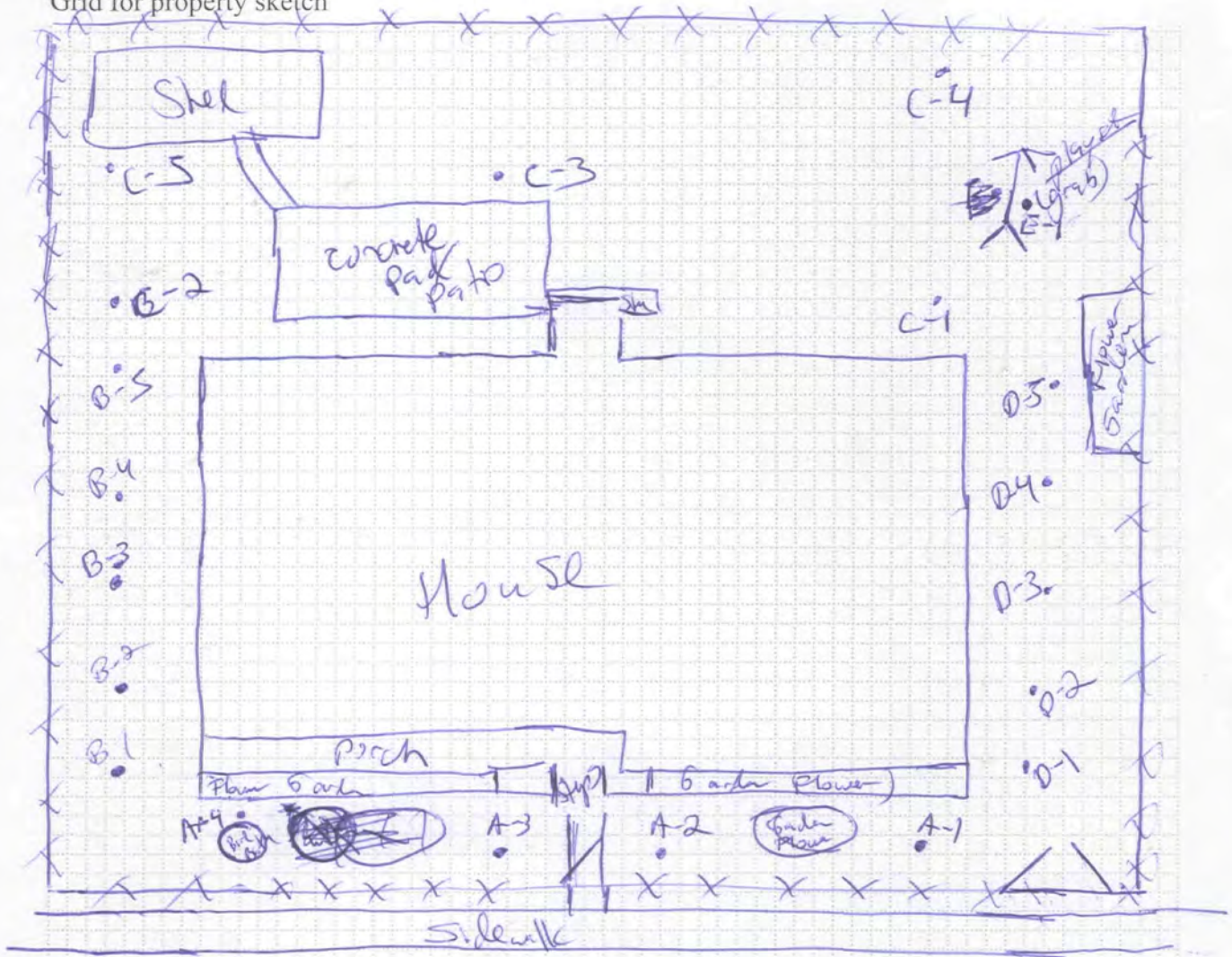
Other pertinent information (weather conditions, etc.):

56°, Sunny

PROPERTY COMMENTS:

No vegetable garden, ~~at back yard~~
playset in back yard

Grid for property sketch



(b) (6)

Playset
E to house = 19.5ft

A-4 to house = 16ft
B-1 to house = 9ft
C-4 to house = 4ft
D- to house = 6ft

STATION ID: CV-0111A

SAMPLE ID: CV-0111A-CS

SAMPLE COLLECTION TIME: 1423

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 #: 018594 Logged? or N

Aliquot #1: Latitude: CV-0111A-15 N Longitude 86°48'17.541" W

Media description: 33°33'32.856' OR brown silty

Aliquot #2 Latitude: 33°33'32.951" N Longitude 86°48'17.540" W

Media description: CV-0111A-2 Same soil

Aliquot #3: Latitude: 33°33'33.037" N Longitude 86°48'17.530" W

Media description: CV-0111A-3 Same soil

Aliquot #4: Latitude: 33°33'33.135" N Longitude 86°48'17.515" W

Media description: CV-0111A-4 Same soil

~~Aliquot #5: Latitude: N Longitude W~~

~~Media description:~~

STATION ID: CV-0111B

SAMPLE ID: CV-0111A-CS

SAMPLE COLLECTION TIME: 1341

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

Side yard (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 #: 018594 Logged? or N

Aliquot #1: Latitude: 33°33'33.188" N Longitude 86°48'17.412" W

Media description: CV-0111B-1 Dark brown silty soil m-f dump

Aliquot #2 Latitude: 33°33'33.182" N Longitude 86°48'17.278" W

Media description: CV-0111B-2 Same soil

Aliquot #3: Latitude: 33°33'33.187" N Longitude 86°48'17.135" W

Media description: CV-0111B-3 Same soil

Aliquot #4: Latitude: 33°33'33.185" N Longitude 86°48'16.982" W

Media description: CV-0111B-4 Same soil

Aliquot #5: Latitude: 33°33'33.185" N Longitude 86°48'16.839" W

Media description: CV-0111B-5 Same soil

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

PROPERTY ID: CV0111(200)

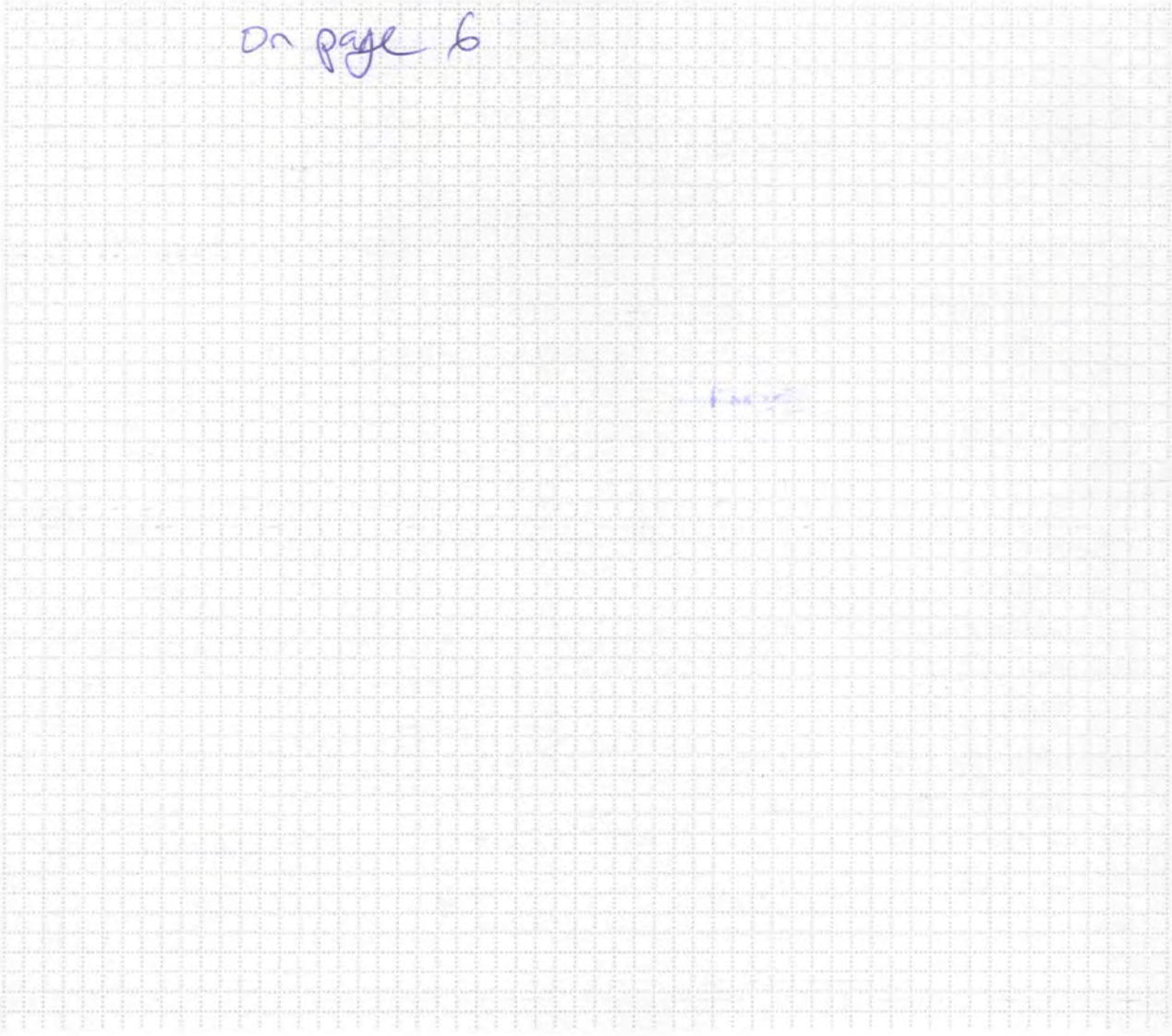
(wn.)

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0111C

SAMPLE ID: CV0111C-CS

SAMPLE COLLECTION TIME: 1345 / 1350(0)

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: CV0111C-SCSD

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: <u>018594</u> Logged? (<input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33° 33' 32.823"</u> N Longitude <u>86° 48' 16.742"</u> W	Media description: <u>CV0111C-1</u> <u>own silt m-f dump</u>
Aliquot #2: Latitude: <u>33° 33' 33.198"</u> N Longitude <u>86° 48' 16.731"</u> W	Media description: <u>CV0111C-2</u> <u>Same soil</u>
Aliquot #3: Latitude: <u>33° 33' 32.948"</u> N Longitude <u>86° 48' 16.549"</u> W	Media description: <u>CV0111C-3</u> <u>Same soil</u>
Aliquot #4: Latitude: <u>33° 33' 32.810"</u> N Longitude <u>86° 48' 16.341"</u> W	Media description: <u>CV0111C-4</u> <u>Same soil</u>
Aliquot #5: Latitude: <u>33° 33' 33.137"</u> N Longitude <u>86° 48' 16.449"</u> W	Media description: <u>CV0111C-5</u> <u>Same soil</u>

STATION ID: CV0111D

SAMPLE ID: CV0111D-CS

SAMPLE COLLECTION TIME: 1351

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

Side yard (~~South~~) (~~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 [<input checked="" type="checkbox"/> Instrument #: <u>018954</u> Logged? (<input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33° 33' 32.762"</u> N Longitude <u>86° 48' 17.426"</u> W	Media description: <u>CV0111D-1</u> <u>own silt m-f dump</u>
Aliquot #2: Latitude: <u>33° 33' 32.757"</u> N Longitude <u>86° 48' 17.240"</u> W	Media description: <u>CV0111D-2</u> <u>Same soil</u>
Aliquot #3: Latitude: <u>33° 33' 32.738"</u> N Longitude <u>86° 48' 17.112"</u> W	Media description: <u>CV0111D-3</u> <u>Same soil</u>
Aliquot #4: Latitude: <u>33° 33' 32.723"</u> N Longitude <u>86° 48' 16.995"</u> W	Media description: <u>CV0111D-4</u> <u>Same soil</u>
Aliquot #5: Latitude: <u>33° 33' 32.733"</u> N Longitude <u>86° 48' 16.870"</u> W	Media description: <u>CV0111D-5</u> <u>Same soil</u>

ADDRESS: (b) (6)

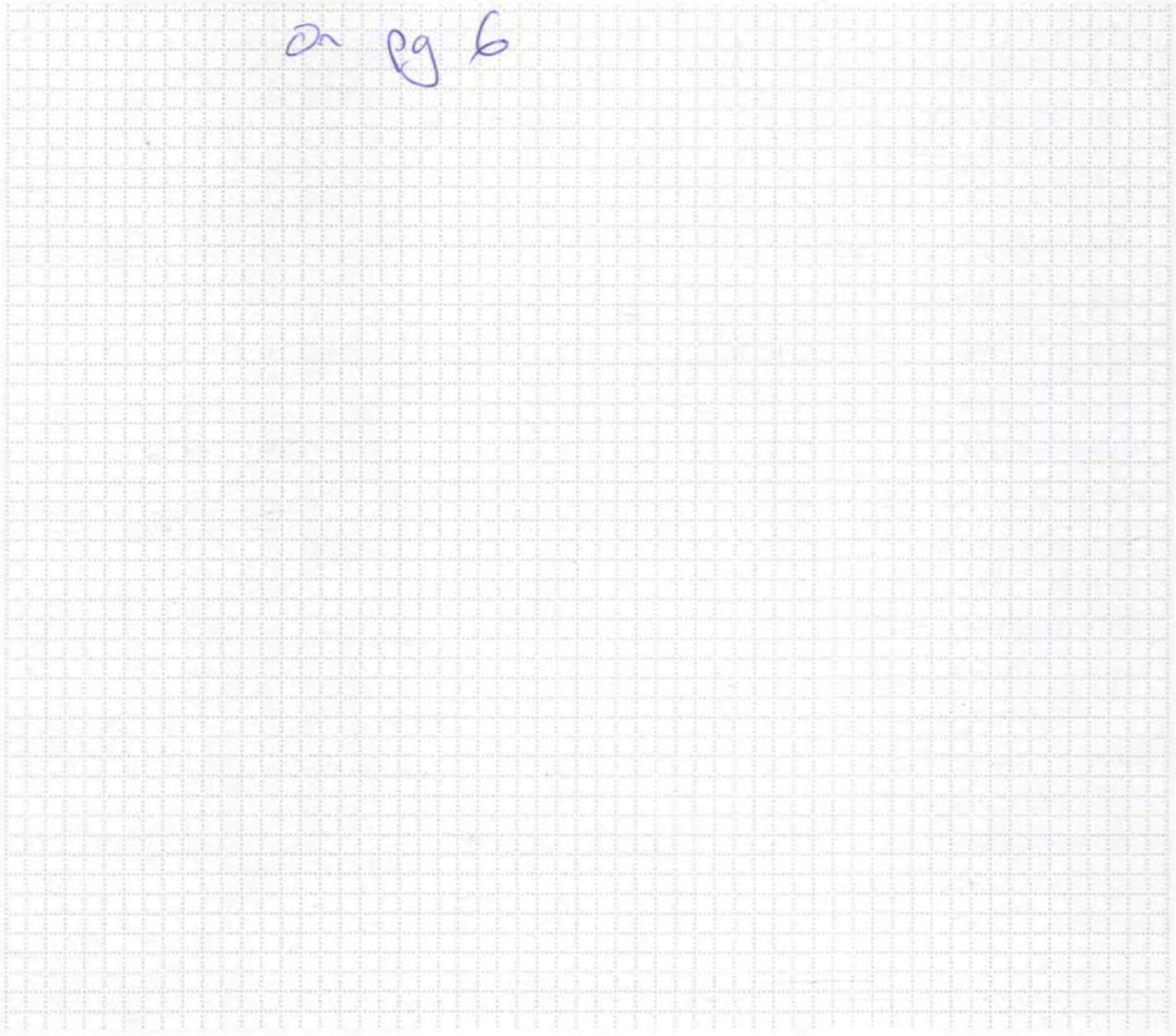
PROPERTY ID: W0111 (con.)

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: W0111E

SAMPLE ID: W0111E-65

SAMPLE COLLECTION TIME: 1347

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

under playset

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>018954</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33°33'32.741"</u>	N Longitude	<u>86°48'16.645"</u>	W
Media description: <u>W0111E-1 (Grab) orange brn silty clay m dry wet</u>			
Aliquot #2 Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude	_____	W
Media description: _____			

STATION ID: _____

SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble <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: CV-0615

DATE:

01/07/13

ARRIVAL TIME:

14:40

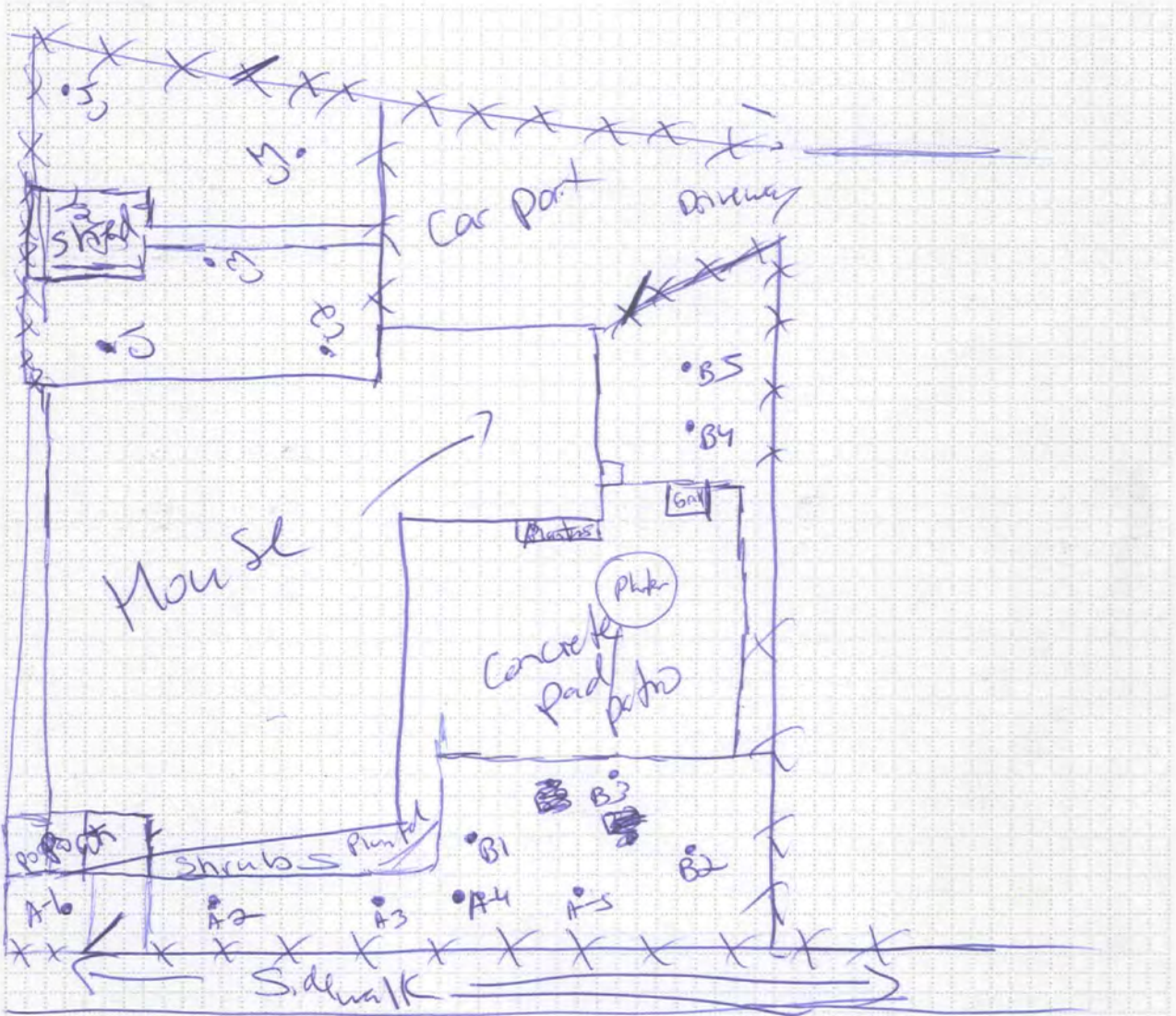
Other pertinent information (weather conditions, etc.):

54° ~~50°~~, sunny

PROPERTY COMMENTS:

no veg. garden or playset

Grid for property sketch



F.L. Shuttlesworth

B2 to the 27 feet

C4 to the 43 feet

STATION ID: CV-0615A

SAMPLE ID: CV-0615A-CS

SAMPLE COLLECTION TIME: 15:17

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? <input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1: Latitude: <u>33.55627932°</u>	N Longitude <u>86.80403642°</u> W
Media description: <u>CV0615A-1</u>	<u>Bwn Silty Clay on wet</u>
Aliquot #2: Latitude: <u>33.55623626°</u>	N Longitude <u>86.80404981°</u> W
Media description: <u>CV0615A-2</u>	<u>same soil</u>
Aliquot #3: Latitude: <u>33.55620171°</u>	N Longitude <u>86.80406617°</u> W
Media description: <u>CV0615A-3</u>	<u>same soil</u>
Aliquot #4: Latitude: <u>33.55618514°</u>	N Longitude <u>86.80407096°</u> W
Media description: <u>CV0615A-4</u>	<u>same soil</u>
Aliquot #5: Latitude: <u>33.55615140°</u>	N Longitude <u>86.80409351°</u> W
Media description: <u>CV0615A-5</u>	

STATION ID: CV-0615B

SAMPLE ID: CV-0615B-CS

SAMPLE COLLECTION TIME: 15:21

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>018594</u>	Logged? <input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1: Latitude: <u>33.55617298°</u>	N Longitude <u>86.80402948°</u> W
Media description: <u>CV0615B-1</u>	<u>Bwn Silty m-f dmp</u>
Aliquot #2: Latitude: <u>33.55612104°</u>	N Longitude <u>86.80403988°</u> W
Media description: <u>CV0615B-2</u>	<u>same soil</u>
Aliquot #3: Latitude: <u>33.55613734°</u>	N Longitude <u>86.80397609°</u> W
Media description: <u>CV0615B-3</u>	<u>same soil</u>
Aliquot #4: Latitude: <u>33.55609988°</u>	N Longitude <u>86.80383392°</u> W
Media description: <u>CV0615B-4</u>	<u>same soil</u>
Aliquot #5: Latitude: <u>33.55609607°</u>	N Longitude <u>86.80378026°</u> W
Media description: <u>CV0615B-5</u>	<u>same soil</u>

(b) (6)

ADDRESS: _____

PROPERTY ID: _____

CV-0615 (cont)

DATE: _____

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

PROP.

Grid for property sketch

see sketch pg. 12

STATION ID: CV-0615C SAMPLE ID: CV-0615C-CS

SAMPLE COLLECTION TIME: 1540

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>018594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55624668°</u> N Longitude <u>86.80377244°</u> W Media description: <u>CV0615C-1</u> <u>Burn silty clay m wet</u>
Aliquot #2: Latitude: <u>33.55619798°</u> N Longitude <u>86.80377580°</u> W Media description: <u>CV0615C-2</u> <u>same soil</u>
Aliquot #3: Latitude: <u>33.55622472°</u> N Longitude <u>86.80372669°</u> W Media description: <u>CV0615C-3</u> <u>same soil</u>
Aliquot #4: Latitude: <u>33.55624621°</u> N Longitude <u>86.80360543°</u> W Media description: <u>CV0615C-4</u> <u>same soil</u>
Aliquot #5: Latitude: <u>33.55618450°</u> N Longitude <u>86.80365634°</u> W Media description: <u>CV0615C-5</u> <u>same soil</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: CV-0115

DATE: 01/08/2013

ARRIVAL TIME: 0835

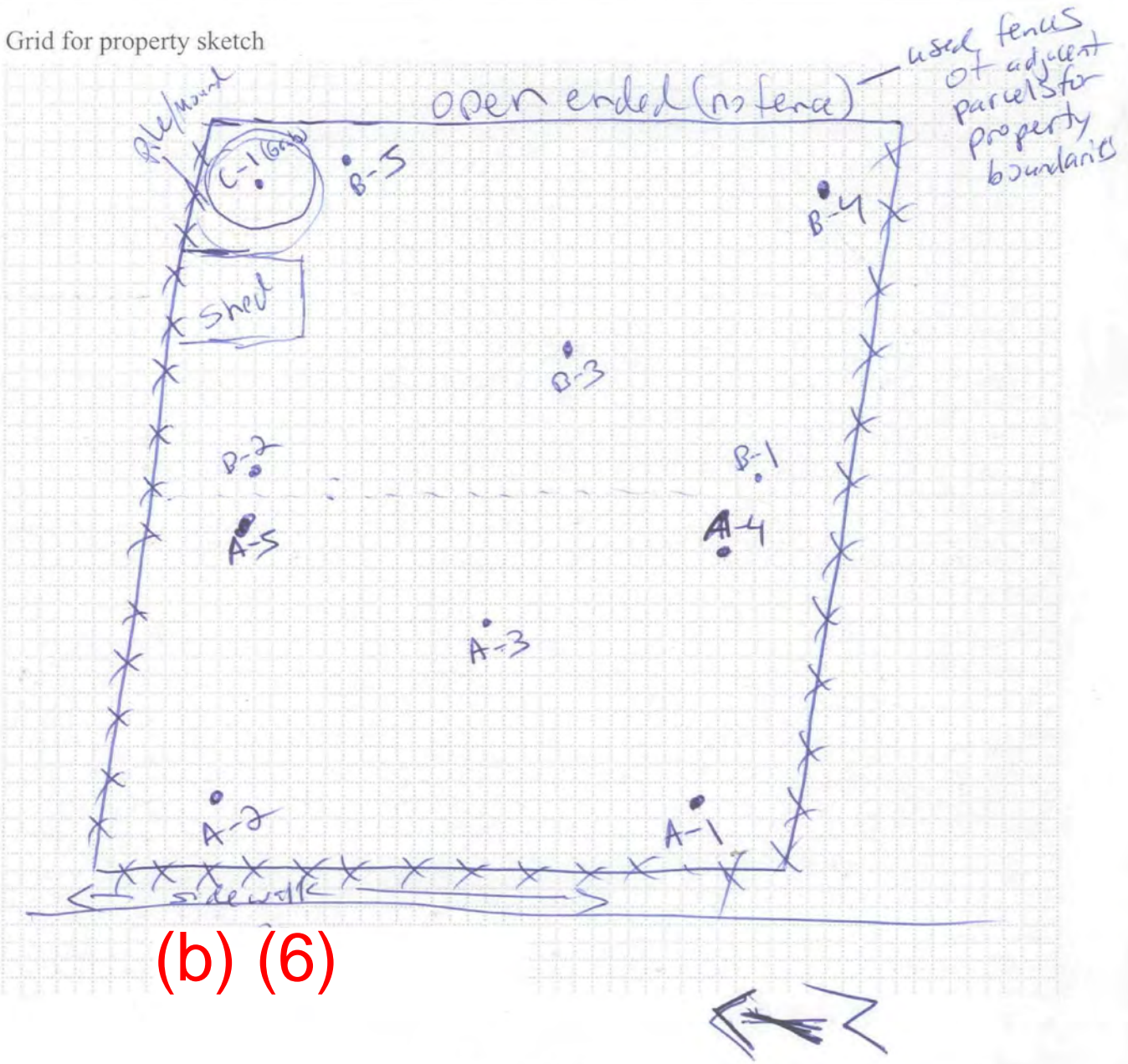
Other pertinent information (weather conditions, etc.):

Cloudy, 49°

PROPERTY COMMENTS:

Mostly vacant parcel (shed in NE area)

Grid for property sketch



(b) (6)

STATION ID: CV-0115A

SAMPLE ID: CV-0115A-CS

SAMPLE COLLECTION TIME: 0927

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

West 1/2 side of 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? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55956766°</u>	N Longitude <u>86.80485274°</u>	W	
Media description: <u>CV0115A-1</u>		<u>bwn mixed w/ grey pieces sand dmp</u>	
Aliquot #2: Latitude: <u>33.559766613°</u>	N Longitude <u>86.80484729°</u>	W	
Media description: <u>CV0115A-2</u>		<u>Same soil</u>	
Aliquot #3: Latitude: <u>33.55961247°</u>	N Longitude <u>86.80475157°</u>	W	
Media description: <u>CV0115A-3</u>		<u>Same soil</u>	
Aliquot #4: Latitude: <u>33.55956608°</u>	N Longitude <u>86.80469338°</u>	W	
Media description: <u>CV0115A-4</u>		<u>Same soil</u>	
Aliquot #5: Latitude: <u>33.55965737°</u>	N Longitude <u>86.80466685°</u>	W	
Media description: <u>CV0115A-5</u>		<u>Same soil</u>	

STATION ID: CV-0115B

SAMPLE ID: CV-0115A-CS

SAMPLE COLLECTION TIME: 0934

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

East 1/2 side of 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? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55956114°</u>	N Longitude <u>86.80462673°</u>	W	
Media description: <u>CV0115B-1</u>		<u>bwn gravel w/slt m dmp</u>	
Aliquot #2: Latitude: <u>33.55965366°</u>	N Longitude <u>86.80463515°</u>	W	
Media description: <u>CV0115B-2</u>		<u>DK bwn slt m dmp w/ gravel</u>	
Aliquot #3: Latitude: <u>33.55959386°</u>	N Longitude <u>86.80456297°</u>	W	
Media description: <u>CV0115B-3</u>		<u>bwn gravel w/slt m dmp</u>	
Aliquot #4: Latitude: <u>33.55952952°</u>	N Longitude <u>86.80446969°</u>	W	
Media description: <u>CV0115B-4</u>		<u>DK bwn slt m dmp w/ gravel</u>	
Aliquot #5: Latitude: <u>33.55963530°</u>	N Longitude <u>86.80446567°</u>	W	
Media description: <u>CV0115B-5</u>		<u>DK bwn slt m dmp w/ gravel</u>	

(b) (6)

ADDRESS

PROPERTY ID: eV0115 (can)

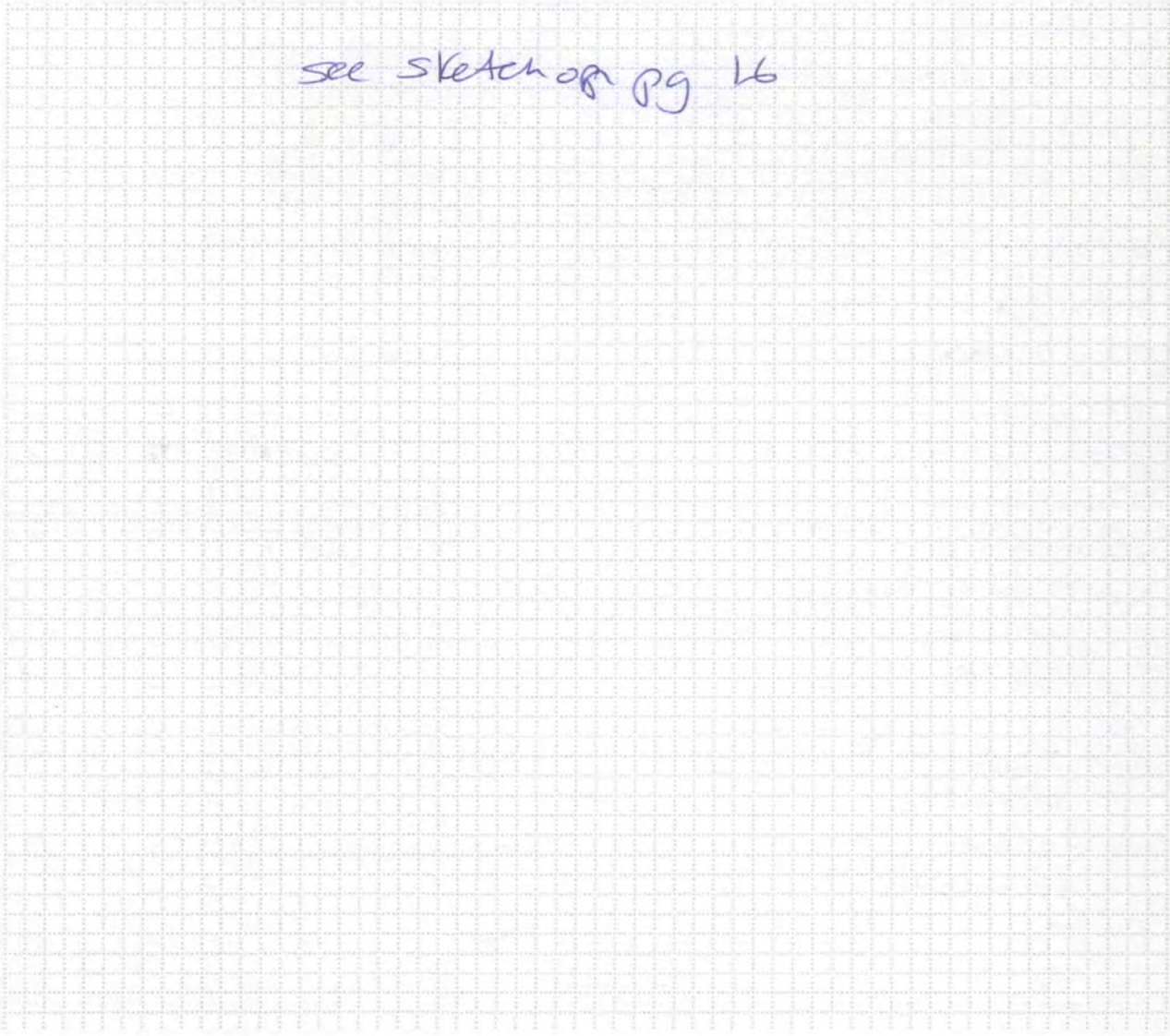
DATE: 01/08/2013

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0115C SAMPLE ID: CV0115C-6S

SAMPLE COLLECTION TIME: 0936

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
mound of soil material in NE corner of parcel

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>CR994</u> Logged? [<input checked="" type="checkbox"/>] or N
Aliquot #1: Latitude: <u>33.55965170°</u> N Longitude: <u>86.80448340°</u> W Media description: <u>CV0115C-1 (grab) dwnst w/ coal fragments & gravel m-f dump</u>
Aliquot #2: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #3: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #4: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N
Aliquot #1: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #2: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #3: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #4: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID: CV-0700

DATE: 01/08/2013

ARRIVAL TIME: 0954

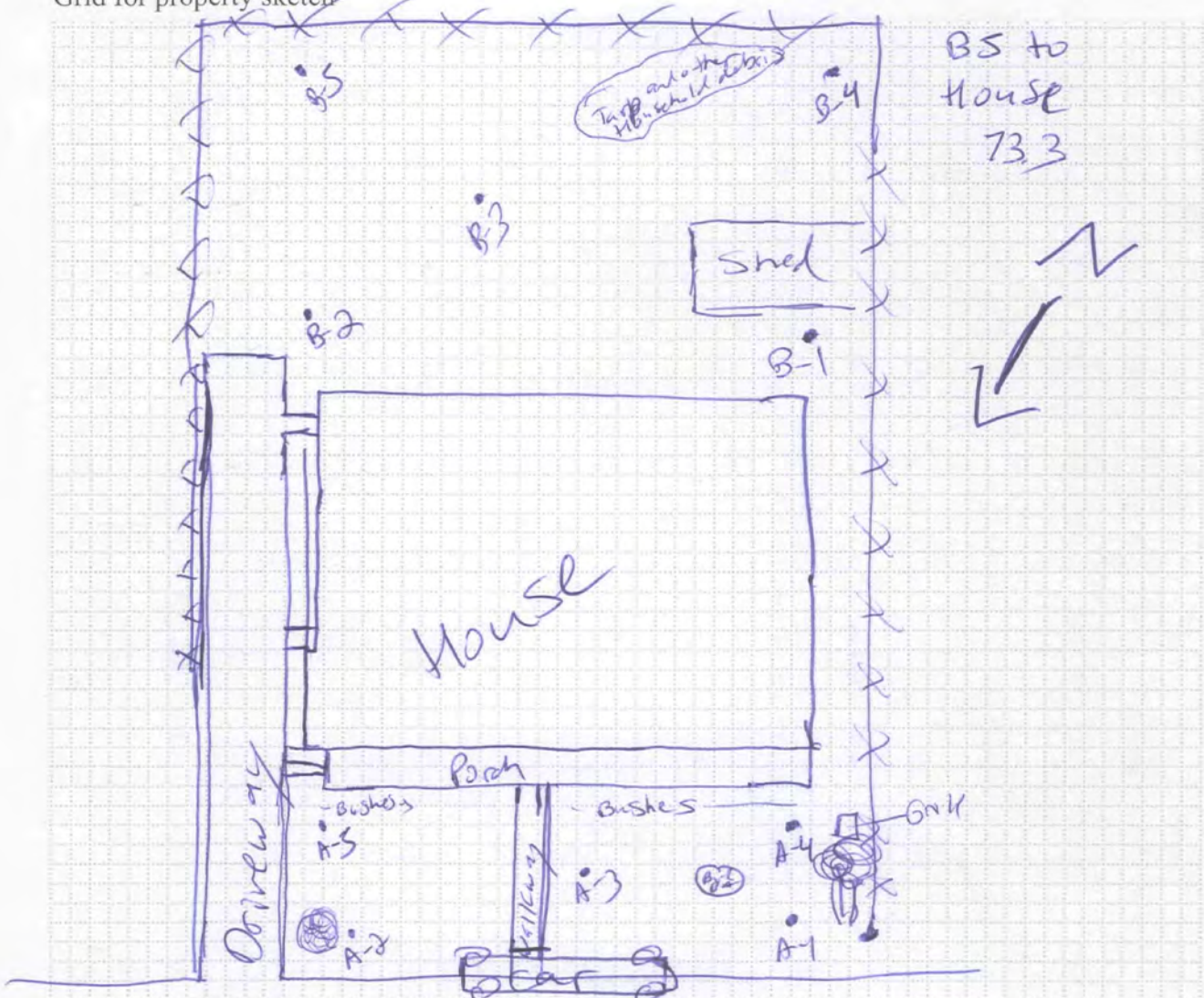
Other pertinent information (weather conditions, etc.):

Mostly Cloudy 48°

PROPERTY COMMENTS:

no playsets or veg. gardens

Grid for property sketch



(b) (6)

STATION ID: CV0700A

SAMPLE ID: CV0700A-CS

SAMPLE COLLECTION TIME: 1028

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? <input checked="" type="radio"/> or N	
Aliquot #1: Latitude: <u>33.55993126°</u>	N Longitude <u>86.80170816°</u>	W	
Media description: <u>CV0700A-1</u>	<u>Blk slit f dmp w/coal fragments</u>		
Aliquot #2: Latitude: <u>33.55997296°</u>	N Longitude <u>86.80166197°</u>	W	
Media description: <u>CV0700A-2</u>	<u>Bwn slit f dmp w/gravel</u>		
Aliquot #3: Latitude: <u>33.55994214°</u>	N Longitude <u>86.80167701°</u>	W	
Media description: <u>CV0700A-3</u>	<u>Bwn slit f-m dmp w/gravel</u>		
Aliquot #4: Latitude: <u>33.55991976°</u>	N Longitude <u>86.80169030°</u>	W	
Media description: <u>CV0700A-4</u>	<u>Bwn slit f-m dmp w/gravel</u>		
Aliquot #5: Latitude: <u>33.55996212°</u>	N Longitude <u>86.80162856°</u>	W	
Media description: <u>CV0700A-5</u>	<u>Blk slit f dmp w/coal fragments</u>		

STATION ID: CV0700B

SAMPLE ID: CV0700B-CS

SAMPLE COLLECTION TIME: 1021

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>018594</u>		Logged? <input checked="" type="radio"/> or N	
Aliquot #1: Latitude: <u>33.55998789°</u>	N Longitude <u>86.80152730°</u>	W	
Media description: <u>CV0700B-1</u>	<u>Bwn slit clay m dmp</u>		
Aliquot #2: Latitude: <u>33.55984304°</u>	N Longitude <u>86.80144820°</u>	W	
Media description: <u>CV0700B-2</u>	<u>Blk slit f dmp w/coal fragments</u>		
Aliquot #3: Latitude: <u>33.55977496°</u>	N Longitude <u>86.80142138°</u>	W	
Media description: <u>CV0700B-3</u>	<u>Bwn slit clay m dmp</u>		
Aliquot #4: Latitude: <u>33.55967709°</u>	N Longitude <u>86.80140438°</u>	W	
Media description: <u>CV0700B-4</u>	<u>Same soil as 1 & 3</u>		
Aliquot #5: Latitude: <u>33.55973296°</u>	N Longitude <u>86.80132509°</u>	W	
Media description: <u>CV0700B-5</u>	<u>Same soil as 1, 3, & 4</u>		

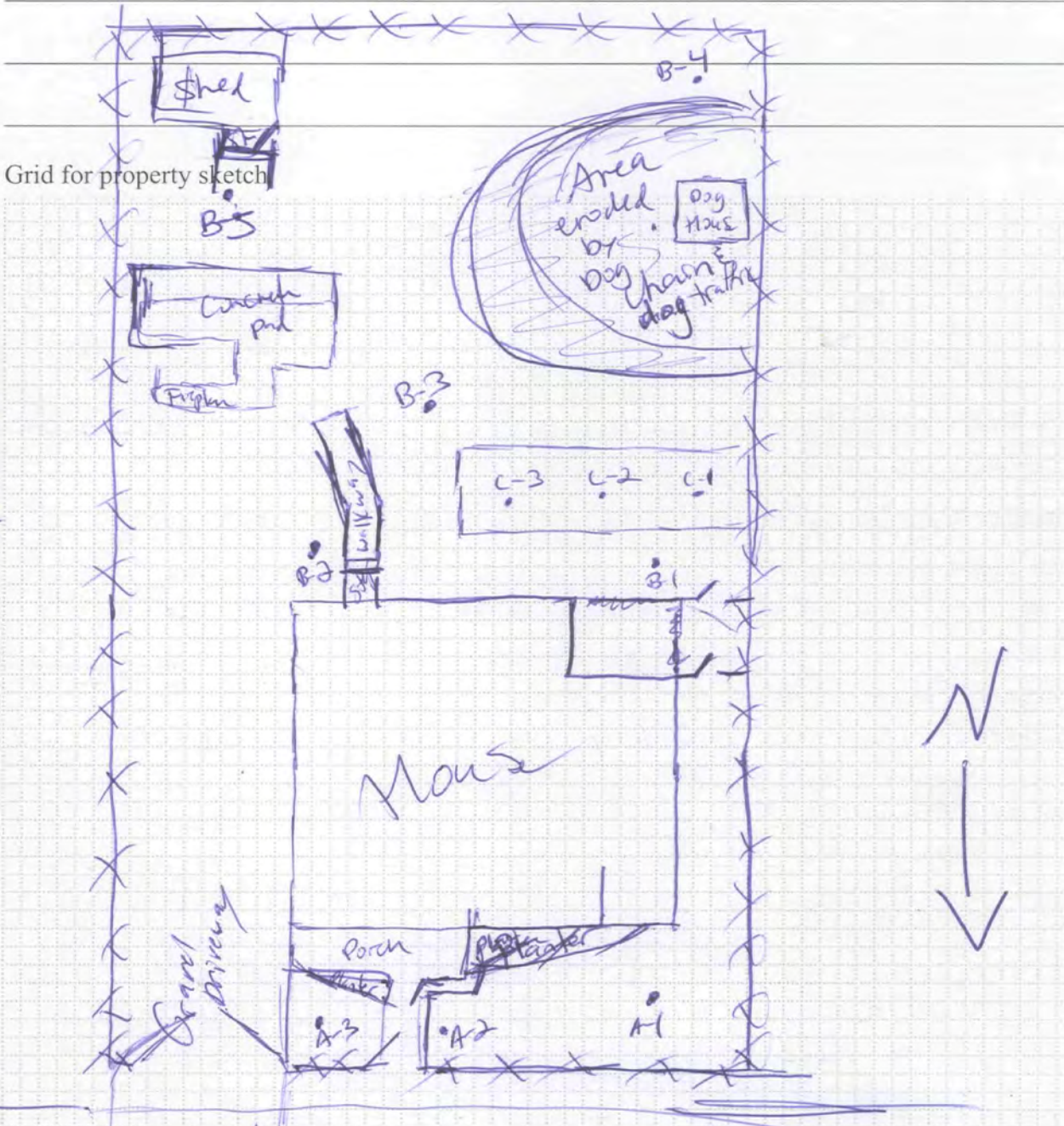
(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0204

DATE: 01/08/2013 ARRIVAL TIME: 1110

Other pertinent information (weather conditions, etc.):
Mostly cloudy 52°

PROPERTY COMMENTS:
Vegetable Garden (no play set)



(b) (6)

STATION ID: HP-0204A

SAMPLE ID: HP-0204A-CS

SAMPLE COLLECTION TIME: 1146

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 #: 018594 Logged? or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: HP0204A-1 Bwn slty clay m dmp

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: HP0204A-2 same soil

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: HP0204A-3 same soil

~~Aliquot #4: Latitude: _____ N Longitude _____ W~~

~~Media description: _____ same soil~~

~~Aliquot #5: Latitude: _____ N Longitude _____ W~~

~~Media description: _____ same soil~~

STATION ID: HP0204B

SAMPLE ID: HP0204B-CS

SAMPLE COLLECTION TIME: 1138

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 #: 018594 Logged? or N

Aliquot #1: Latitude: 33.56550140° N Longitude 86.79054679° W

Media description: HP0204B-1 bwn slt m dmp

Aliquot #2 Latitude: 33.56548864° N Longitude 86.79046813° W

Media description: HP0204B-2 Blk slty soil m dmp w/ coal

Aliquot #3: Latitude: 33.56540895° N Longitude 86.79049988° W

Media description: HP0204B-3 bwn slt m dmp

Aliquot #4: Latitude: 33.56530667° N Longitude 86.79055196° W

Media description: HP0204B-4 bwn slt m dmp

Aliquot #5: Latitude: 33.56533494° N Longitude 86.79047812° W

Media description: HP0204B-5 bwn slt m dmp

(b) (6)

ADDRESS:

PROPERTY ID: HP0204(Con.)

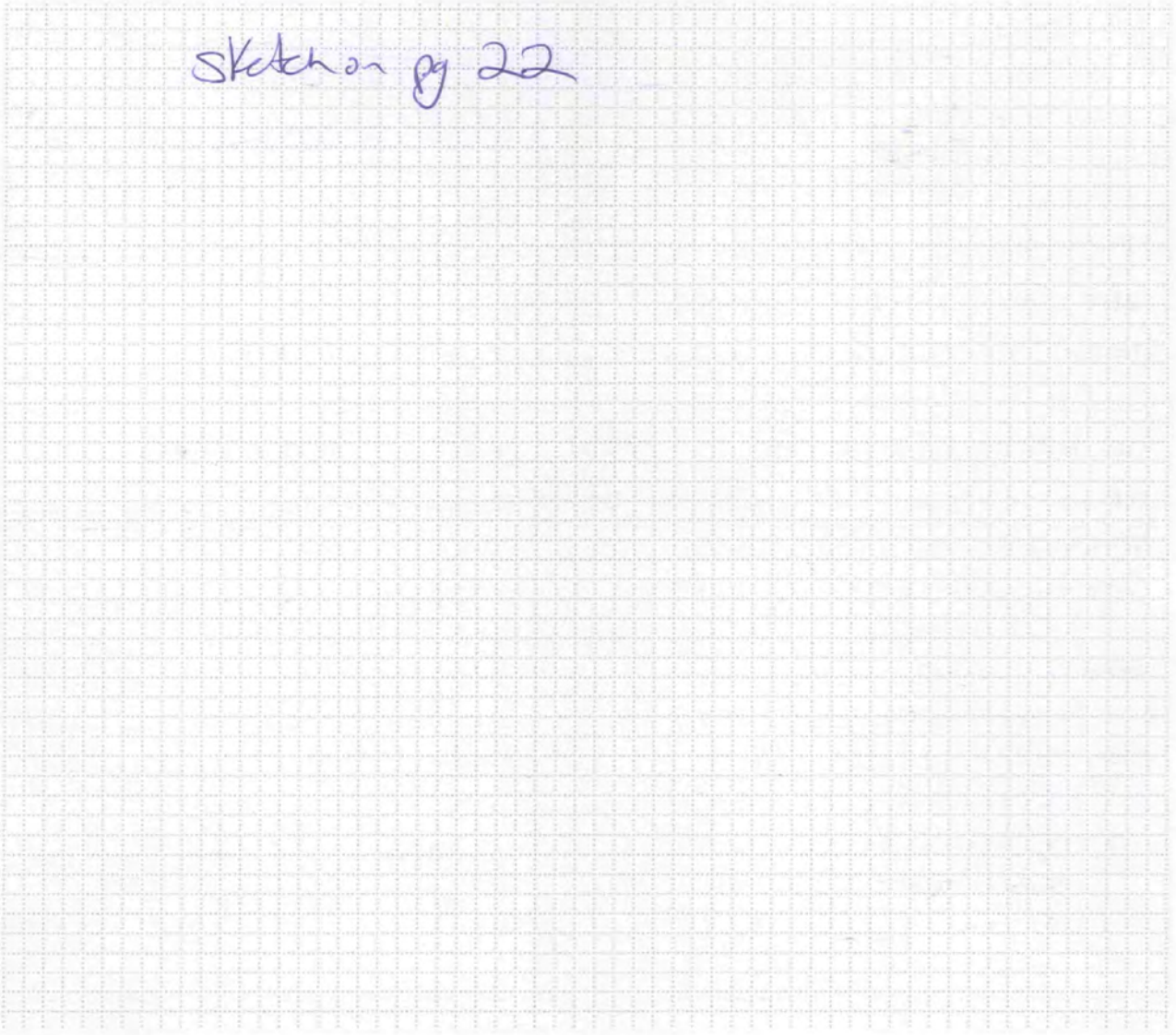
DATE: 01/08/2013 (con.)

ARRIVAL TIME: 11:10

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0204C-4

SAMPLE ID: HP0204C-CS

SAMPLE COLLECTION TIME: 1141

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

Vegetable Garden in 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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56547262° N Longitude 86.79055438° W

Media description: HP0204C-1 under thin layer of ash 1ft bwn sth clay

Aliquot #2 Latitude: 33.56546774° N Longitude 86.79053301° W

Media description: HP0204C-2 same soil

Aliquot #3: Latitude: 33.56547205° N Longitude 86.79051217° W

Media description: HP0204C-3 same soil

~~Aliquot #4: Latitude: _____ N Longitude _____ W~~

~~Media description: _____~~

~~Aliquot #5: Latitude: _____ N Longitude _____ W~~

~~Media description: _____~~

sth clay
in wet

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: FM-0150

DATE: 01/08/2013

ARRIVAL TIME: 1311

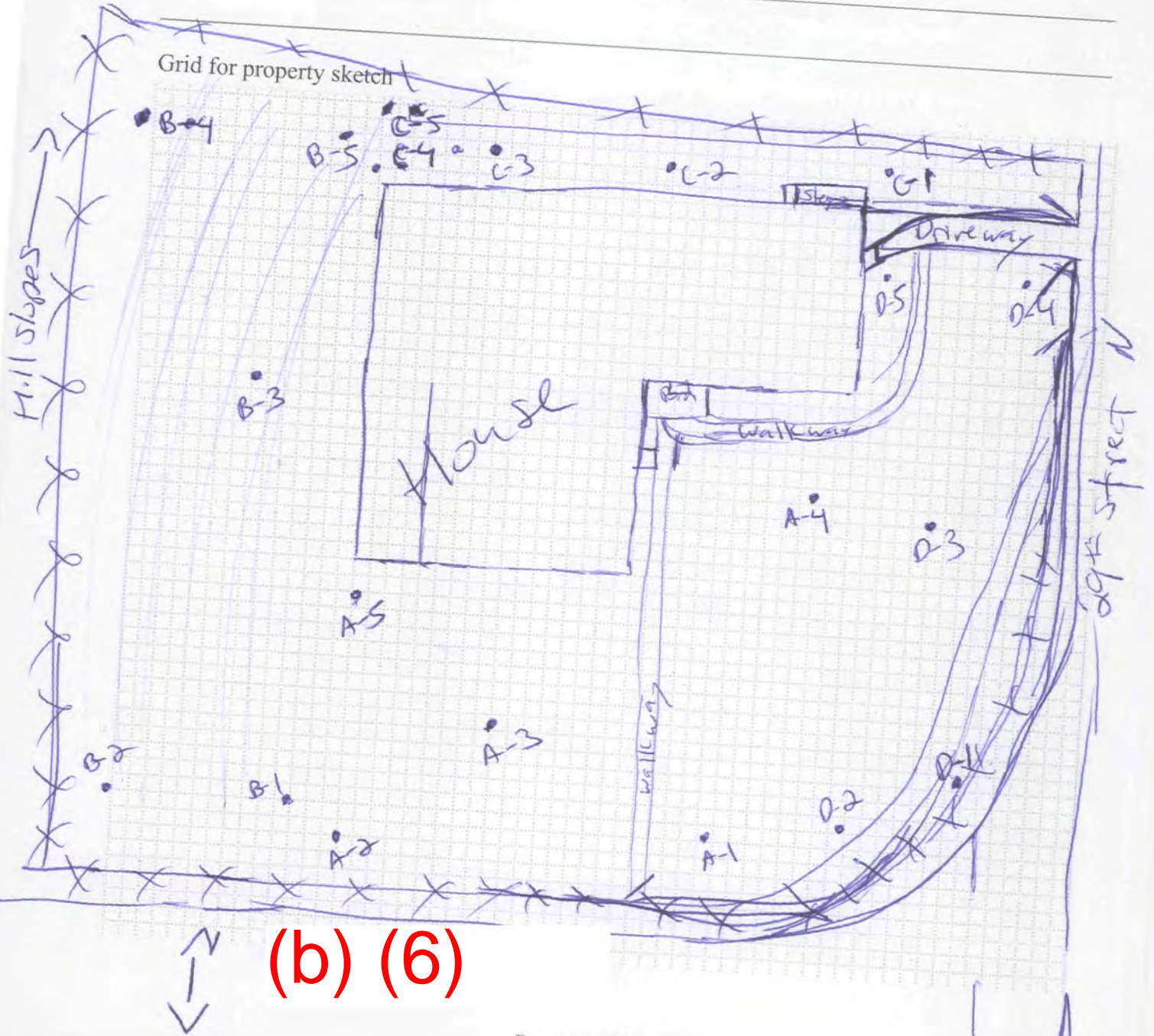
Other pertinent information (weather conditions, etc.):

partly cloudy 57°

PROPERTY COMMENTS:

No vegetable garden or playset

Grid for property sketch



(b) (6)

STATION ID: PM0150A SAMPLE ID: PM0150A-CS

SAMPLE COLLECTION TIME: 1410

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

Front yard (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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56757256° N Longitude 86.8113237° W

Media description: PM0150A-1 1+ bun stly clay w/ orange clay m drp

Aliquot #2 Latitude: 33.56758371° N Longitude 86.81120470° W

Media description: PM0150A-2 same soil

Aliquot #3: Latitude: 33.56754788° N Longitude 86.81124383° W

Media description: PM0150A-3 same soil

Aliquot #4: Latitude: 33.56749002° N Longitude 86.81131357° W

Media description: PM0150A-4 same soil

Aliquot #5: Latitude: 33.56754720° N Longitude 86.81117927° W

Media description: PM0150A-5 same soil

STATION ID: FM0150B SAMPLE ID: FM0150B-CS

SAMPLE COLLECTION TIME: 1415

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

Side yard along the east

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56756613° N Longitude 86.81116750° W

Media description: FM0150B-1 1+ bun stly clay w/ orange clay m drp

Aliquot #2 Latitude: 33.56756886° N Longitude 86.81103372° W

Media description: FM0150B-2 same soil

Aliquot #3: Latitude: 33.56749132° N Longitude 86.81109338° W

Media description: FM0150B-3 same soil

Aliquot #4: Latitude: 33.56741364° N Longitude 86.8112284° W

Media description: FM0150B-4 same soil

Aliquot #5: Latitude: 33.56741982° N Longitude 86.81102103° W

Media description: FM0150B-5 same soil

(b) (6)

ADDRESS:

PROPERTY ID:

FM0150 (con.)

DATE:

01/08/2013 (con.)

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

see sketch on pg 26

STATION ID: FM0150C SAMPLE ID: FM0150C-CS

SAMPLE COLLECTION TIME: 1419

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>018594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56736534°</u> N Longitude: <u>86.81131928°</u> W Media description: <u>FM0150C1</u> <u>1+ bwn silty clay w/ orange clay, m damp</u>
Aliquot #2: Latitude: <u>33.56736826°</u> N Longitude: <u>86.81126761°</u> W Media description: <u>FM0150C2</u> <u>same soil</u>
Aliquot #3: Latitude: <u>33.56739001°</u> N Longitude: <u>86.81119633°</u> W Media description: <u>FM0150C3</u> <u>same soil</u>
Aliquot #4: Latitude: <u>33.56742506°</u> N Longitude: <u>86.81115951°</u> W Media description: <u>FM0150C4</u> <u>same soil</u>
Aliquot #5: Latitude: <u>33.56738654°</u> N Longitude: <u>86.81114361°</u> W Media description: <u>FM0150C5</u> <u>same soil</u>

STATION ID: FM0150D SAMPLE ID: FM0150D-CS

SAMPLE COLLECTION TIME: 1406

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

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? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56755497°</u> N Longitude: <u>86.81139514°</u> W Media description: <u>FM0150D1</u> <u>1+ bwn silty clay w/ orange clay, m damp</u>
Aliquot #2: Latitude: <u>33.56756834°</u> N Longitude: <u>86.81134886°</u> W Media description: <u>FM0150D2</u> <u>same soil</u>
Aliquot #3: Latitude: <u>33.56749607°</u> N Longitude: <u>86.81136815°</u> W Media description: <u>FM0150D3</u> <u>same soil</u>
Aliquot #4: Latitude: <u>33.56740974°</u> N Longitude: <u>86.81140821°</u> W Media description: <u>FM0150D4</u> <u>same soil</u>
Aliquot #5: Latitude: <u>33.56741685°</u> N Longitude: <u>86.81134616°</u> W Media description: <u>FM0150D5</u> <u>same soil</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0034

DATE: 01/08/2013 ARRIVAL TIME: 1500

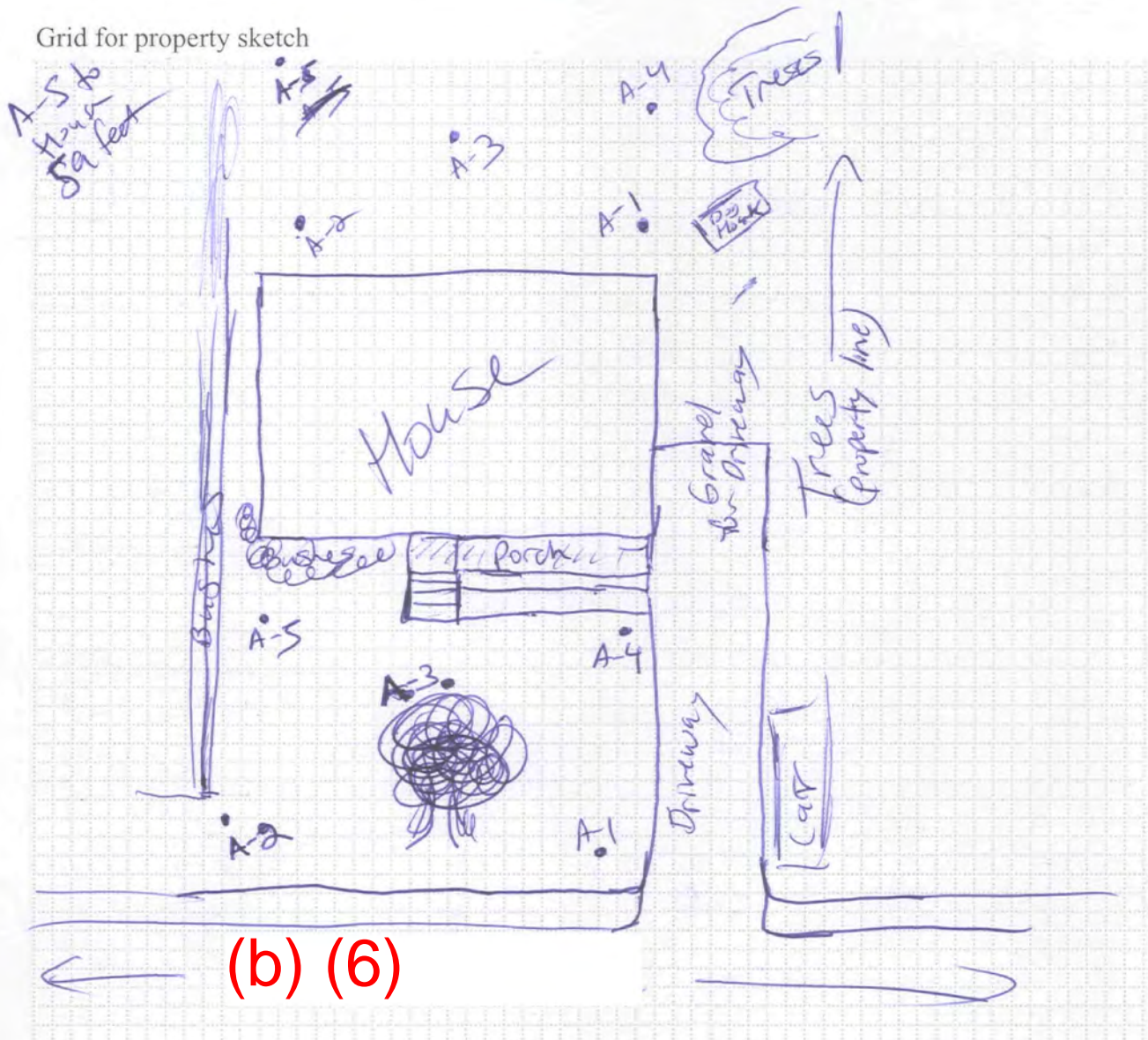
Other pertinent information (weather conditions, etc.):

partly cloud 59°

PROPERTY COMMENTS:

no vegetable garden or playsets

Grid for property sketch



(b) (6)

STATION ID: HP0034A

SAMPLE ID: +HP0034A-CS

SAMPLE COLLECTION TIME: 1541

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? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56794629°</u>	N Longitude: <u>86.78977384°</u>	W	
Media description: <u>HP0034A-1</u>		<u>bwn orange silt m dmp</u>	
Aliquot #2: Latitude: <u>33.56787829°</u>	N Longitude: <u>86.78980263°</u>	W	
Media description: <u>HP0034A-2</u>		<u>same soil</u>	
Aliquot #3: Latitude: <u>33.56792505°</u>	N Longitude: <u>86.78980655°</u>	W	
Media description: <u>HP0034A-3</u>		<u>same soil</u>	
Aliquot #4: Latitude: <u>33.56795999°</u>	N Longitude: <u>86.78985330°</u>	W	
Media description: <u>HP0034A-4</u>		<u>BLK silt m-f dmp w/ coal</u>	
Aliquot #5: Latitude: <u>33.56787874°</u>	N Longitude: <u>86.78983948°</u>	W	
Media description: <u>HP0034A-5</u>		<u>bwn orange silt m dmp</u>	

STATION ID: HP0034B

SAMPLE ID: HP0034B-CS

SAMPLE COLLECTION TIME: 1527

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>018594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.5679647°</u>	N Longitude: <u>86.79002487°</u>	W	
Media description: <u>HP0034B-1</u>		<u>bwn orange silty clay m dmp</u>	
Aliquot #2: Latitude: <u>33.56789515°</u>	N Longitude: <u>86.79004095°</u>	W	
Media description: <u>HP0034B-2</u>		<u>same soil</u>	
Aliquot #3: Latitude: <u>33.56794385°</u>	N Longitude: <u>86.79009725°</u>	W	
Media description: <u>HP0034B-3</u>		<u>same soil</u>	
Aliquot #4: Latitude: <u>33.56797340°</u>	N Longitude: <u>86.79015663°</u>	W	
Media description: <u>HP0034B-4</u>		<u>same soil</u>	
Aliquot #5: Latitude: <u>33.56791653°</u>	N Longitude: <u>86.79018074°</u>	W	
Media description: <u>HP0034B-5</u>		<u>same soil</u>	

ADDRESS: (b) (6)

PROPERTY ID: HP-0248

DATE: 01/08/2013

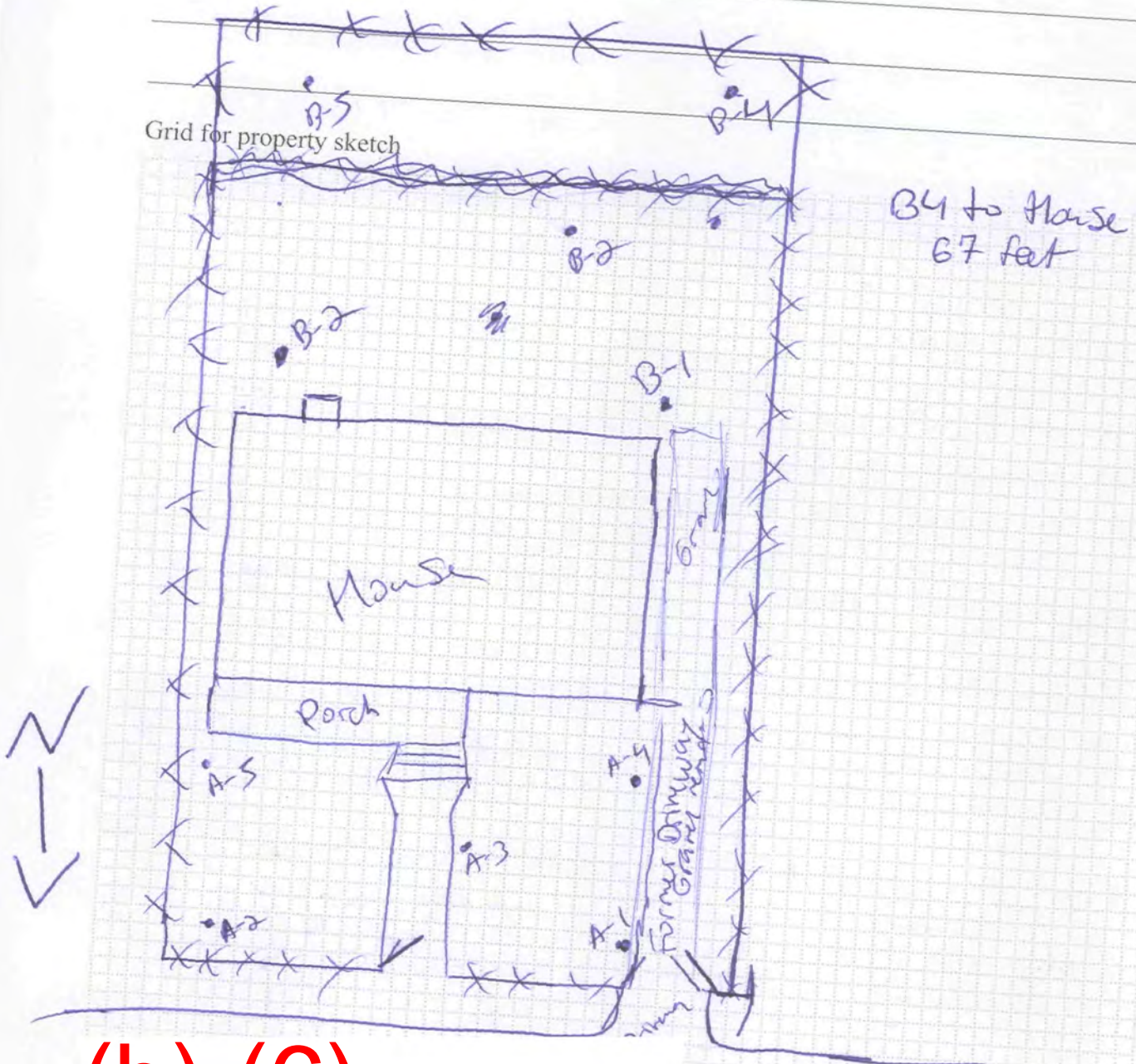
ARRIVAL TIME: 1557

Other pertinent information (weather conditions, etc.):

Mostly cloudy 61°

PROPERTY COMMENTS:

No vegetable gardens or playsets



(b) (6)

STATION ID: HP0248A

SAMPLE ID: HP0248A-CS

SAMPLE COLLECTION TIME: 1620

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? <input checked="" type="checkbox"/> or <input type="checkbox"/> N <u>791053350</u>	
Aliquot #1: Latitude: <u>33.56657507</u>	N Longitude: <u>86.791053350</u>	W	
Media description: _____	<u>It to dk bwn silt m-f dmp w/ coal fragments</u>		
Aliquot #2: Latitude: <u>33.566555950</u>	N Longitude: <u>86.790977380</u>	W	
Media description: _____	<u>Same soil</u>		
Aliquot #3: Latitude: <u>33.566532870</u>	N Longitude: <u>86.791016470</u>	W	
Media description: _____	<u>Same soil</u>		
Aliquot #4: Latitude: <u>33.566522520</u>	N Longitude: <u>86.791051620</u>	W	
Media description: _____	<u>Same soil</u>		
Aliquot #5: Latitude: <u>33.566515180</u>	N Longitude: <u>86.790974020</u>	W	
Media description: _____	<u>Same soil</u>		

STATION ID: HP0248B

SAMPLE ID: HP0248A-CS

SAMPLE COLLECTION TIME: 1615

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>018594</u>		Logged? Y or <input checked="" type="checkbox"/> N	
Aliquot #1: Latitude: _____	N Longitude: <u>86.791057990</u>	W	
Media description: <u>HP0248B-1</u>	<u>33.566369220 Bwn silty clay m-f dmp</u>		
Aliquot #2: Latitude: <u>33.566348820</u>	N Longitude: <u>86.790977310</u>	W	
Media description: <u>HP0248B-2</u>	<u>Bwn silty clay m-f dmp w/ coal fragments</u>		
Aliquot #3: Latitude: <u>33.566300270</u>	N Longitude: <u>86.791033210</u>	W	
Media description: <u>HP0248B-3</u>	<u>Bwn silty clay m-f dmp</u>		
Aliquot #4: Latitude: <u>HP0248B-4</u>	N Longitude: <u>86.791065760</u>	W	
Media description: <u>33.56624820</u>	<u>Bwn silty clay m-f dmp</u>		
Aliquot #5: Latitude: <u>33.566234940</u>	N Longitude: <u>86.790985370</u>	W	
Media description: <u>HP0248B-5</u>	<u>Bwn silty clay m-f dmp</u>		

(b) (6)

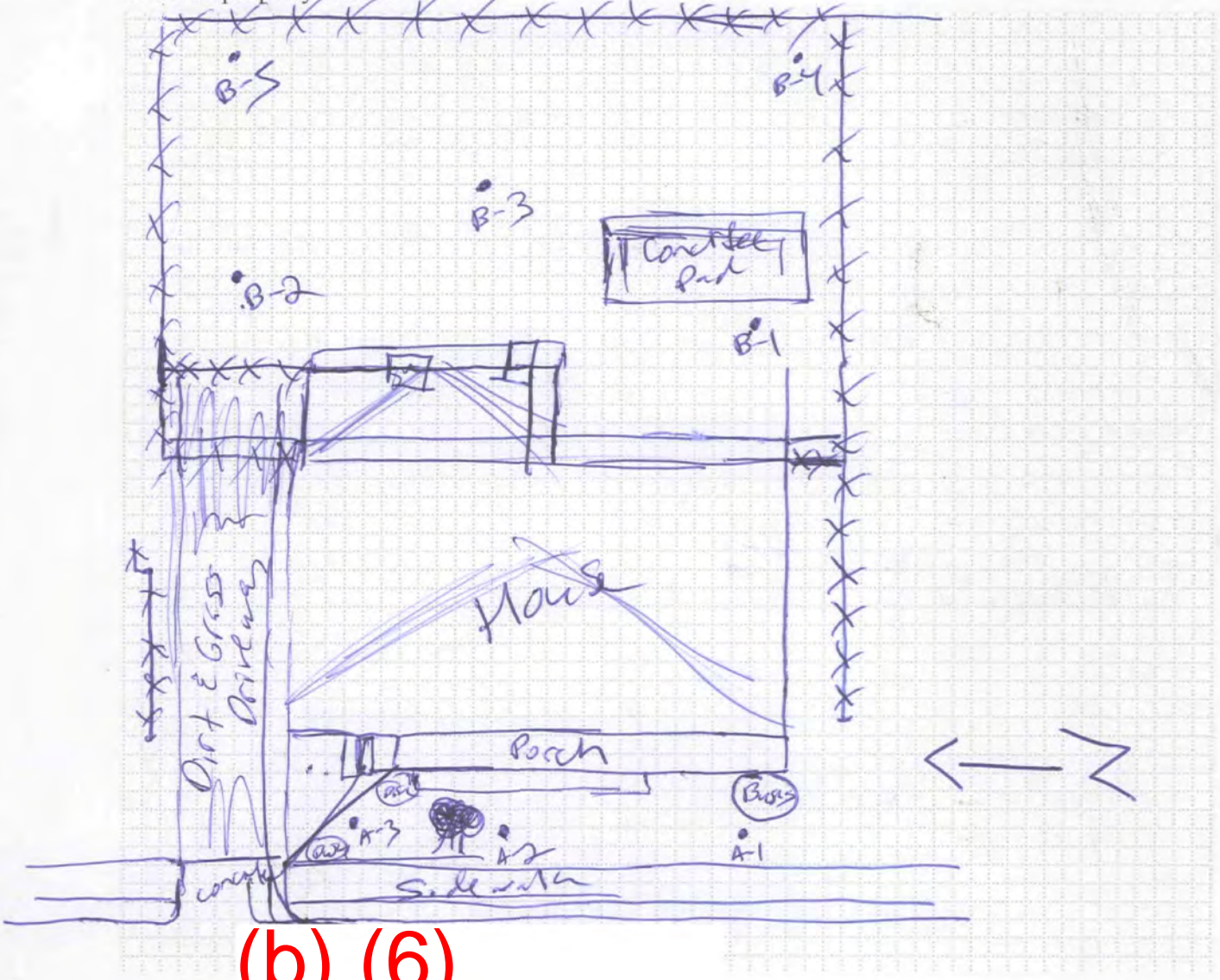
ADDRESS: _____ PROPERTY ID: CV-0210

DATE: 01/09/2013 ARRIVAL TIME: 0850

Other pertinent information (weather conditions, etc.):
Mostly cloudy 55° 90% relative humidity ^{winds} E @ 7MPH

PROPERTY COMMENTS:
no vegetable garden, no playsets

Grid for property sketch



(b) (6)

STATION ID: CV0210A

SAMPLE ID: CV0210A-CS

SAMPLE COLLECTION TIME: 0910

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: CV0210A-CS-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N	
Aliquot #1: Latitude: <u>33.55477429°</u>	N Longitude <u>86.80158807°</u>	W	
Media description: <u>CV0210A-1</u>		<u>Bun slit dmp</u>	
Aliquot #2: Latitude: <u>33.55480709°</u>	N Longitude <u>86.80158574°</u>	W	
Media description: <u>CV0210A-2</u>		<u>Bun slit dmp</u>	
Aliquot #3: Latitude: <u>33.55483084°</u>	N Longitude <u>86.80157406°</u>	W	
Media description: <u>CV0210A-3</u>		<u>Bun slit dmp</u>	
Aliquot #4: Latitude: _____	N Longitude _____	W	
Media description: _____		_____	
Aliquot #5: Latitude: _____	N Longitude _____	W	
Media description: _____		_____	

STATION ID: CV0210B

SAMPLE ID: CV0210B-CS ^{BK 1/21/13}

SAMPLE COLLECTION TIME: 0933

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

Back yard

Collection: Composite or Grab

MS/MSD? Y or N ^{BK 1/21/13}

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0210B-CS-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N	
Aliquot #1: Latitude: <u>33.55478856°</u>	N Longitude <u>86.80135350°</u>	W	
Media description: <u>CV0210B-1</u>		<u>Bun slit m wet</u>	
Aliquot #2: Latitude: <u>33.55486213°</u>	N Longitude <u>86.80134690°</u>	W	
Media description: <u>CV0210B-2</u>		<u>Bun slit m wet</u>	
Aliquot #3: Latitude: <u>33.55482043°</u>	N Longitude <u>86.80125899°</u>	W	
Media description: <u>CV0210B-3</u>		<u>DK bun slit m-f wet w/coal fragments</u>	
Aliquot #4: Latitude: <u>33.55477178°</u>	N Longitude <u>86.80116390°</u>	W	
Media description: <u>CV0210B-4</u>		<u>DK bun slit m-f wet w/coal fragments</u>	
Aliquot #5: Latitude: <u>33.55486483°</u>	N Longitude <u>86.80116834°</u>	W	
Media description: <u>CV0210B-5</u>		<u>DK bun slit m-f wet w/coal fragments</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0212

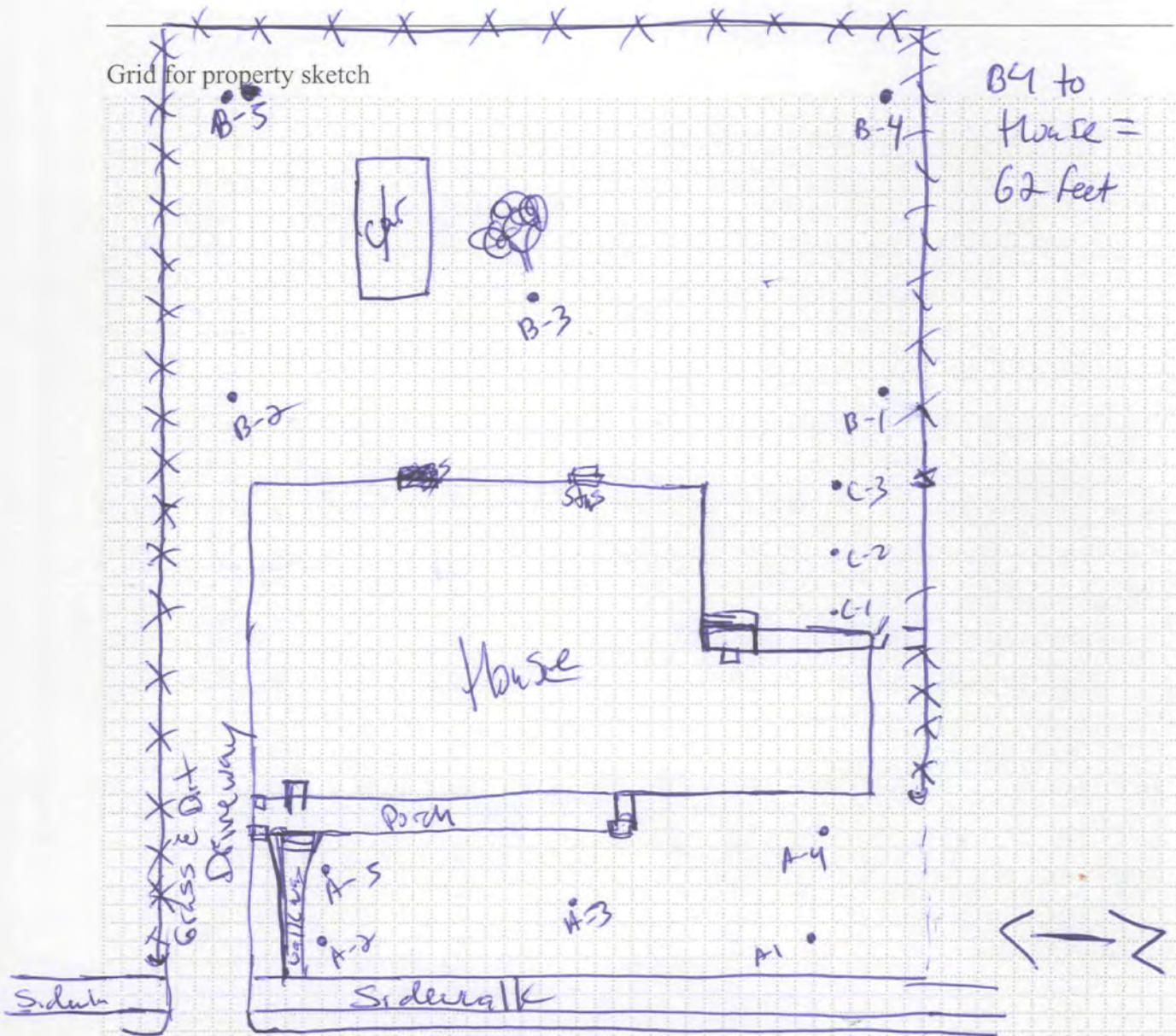
DATE: 01/09/2013 ARRIVAL TIME: 0951

Other pertinent information (weather conditions, etc.):

56° Mostly cloudy 90% Humidity winds E @ 7mph

PROPERTY COMMENTS:

No vegetable gardens pro-playsets



(b) (6)

STATION ID: CV-0212A

SAMPLE ID: CV0212A-CS

SAMPLE COLLECTION TIME: 1040

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: CV0212A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55491111°</u>	N Longitude <u>86.80160011°</u>	W	
Media description: <u>CV0212A-1</u>		<u>Bwn silt f wet</u>	
Aliquot #2 Latitude: <u>33.55497658°</u>	N Longitude <u>86.80160380°</u>	W	
Media description: <u>CV0212A-2</u>		<u>same soil</u>	
Aliquot #3: Latitude: <u>33.55493939°</u>	N Longitude <u>86.80158751°</u>	W	
Media description: <u>CV0212A-3</u>		<u>S</u>	
Aliquot #4: Latitude: <u>33.55490655°</u>	N Longitude <u>86.80156373°</u>	W	
Media description: <u>CV0212A-4</u>			
Aliquot #5: Latitude: <u>33.55497480°</u>	N Longitude <u>86.80157486°</u>	W	
Media description: <u>CV0212A-5</u>			

STATION ID: CV-0212B

SAMPLE ID: CV0212B-CS

SAMPLE COLLECTION TIME: 1023

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: CV0212B-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55490405°</u>	N Longitude <u>86.80134741°</u>	W	
Media description: <u>CV0212B-1</u>		<u>dk brn silty clay m-c wet</u>	
Aliquot #2 Latitude: <u>33.55489077°</u>	N Longitude <u>86.80114506°</u>	W	
Media description: <u>CV0212B-2</u>		<u>dk brn silt f damp</u>	
Aliquot #3: Latitude: <u>33.55494062°</u>	N Longitude <u>86.80125119°</u>	W	
Media description: <u>CV0212B-3</u>		<u>dk brn silty clay m-c wet</u>	
Aliquot #4: Latitude: <u>33.55498569°</u>	N Longitude <u>86.80134711°</u>	W	
Media description: <u>CV0212B-4</u>		<u>dk brn silty clay m-c wet</u>	
Aliquot #5: Latitude: <u>33.55497215°</u>	N Longitude <u>86.80117183°</u>	W	
Media description: <u>CV0212B-5</u>		<u>dk brn silty clay m-c wet w/ orange clay</u>	

(b) (6)

ADDRESS:

PROPERTY ID:

Cv0212
EVO212E (con.)

DATE:

01/09/2013

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

(con.)

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg. 36

STATION ID: CV0212C

SAMPLE ID: CV0212C-CS

SAMPLE COLLECTION TIME: 1027

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

side yard (L-shape to house)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0212C-CS-SP

GPS Coordinates: Trimble Instrument #: 018954 Logged? or N

Aliquot #1: Latitude: 33.55490735° N Longitude 86.86145141° W

Media description: CV0212C-1

Aliquot #2 Latitude: 33.55490608° N Longitude 86.80142795° W

Media description: CV0212C-2

Aliquot #3: Latitude: 33.55490722° N Longitude 86.80139386° W

Media description: CV0212C-3

~~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:

HP-0066

DATE:

01/09/2013

ARRIVAL TIME:

1058

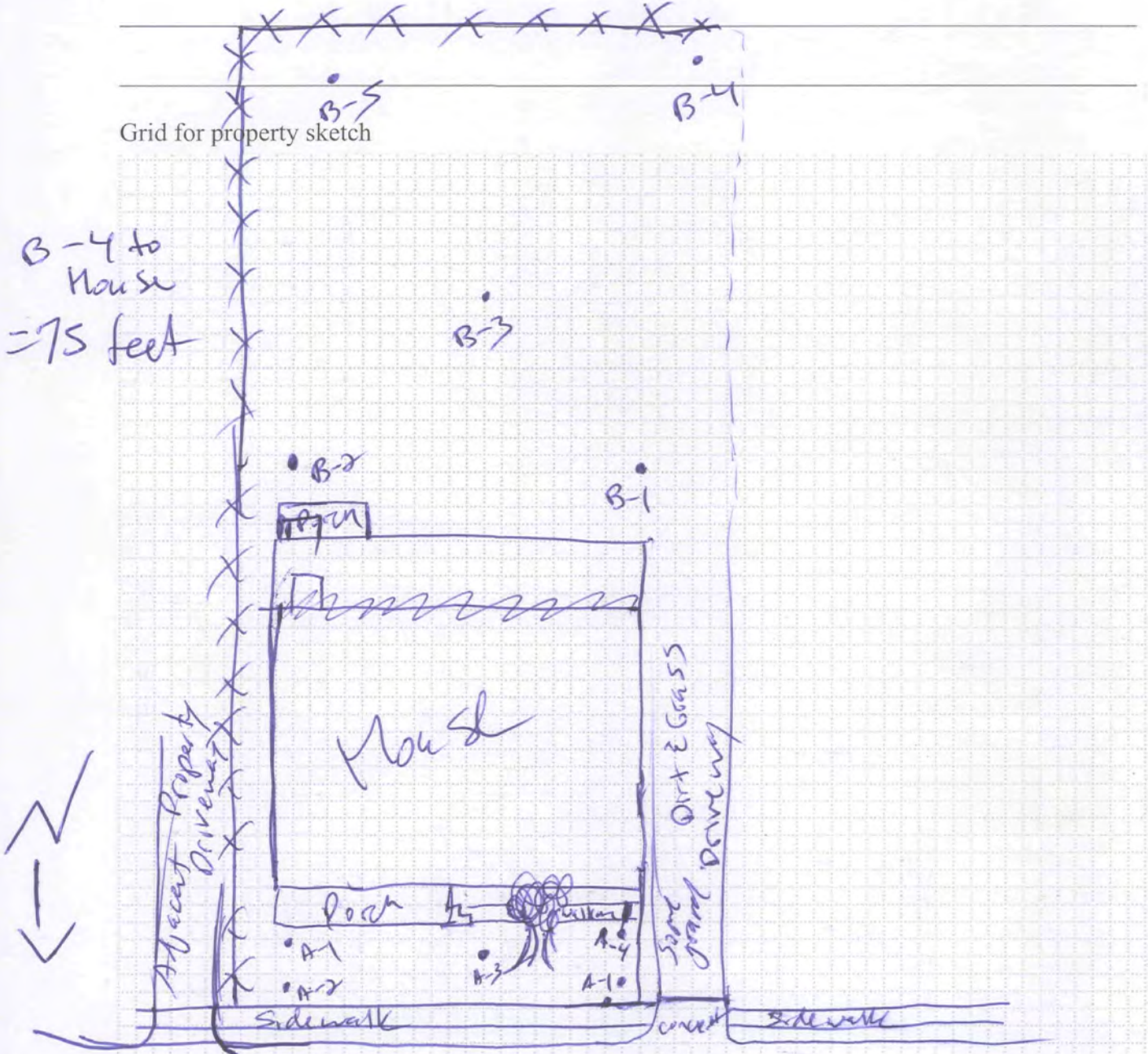
Other pertinent information (weather conditions, etc.):

55° Mostly cloudy 90% Humidity Wind E @ 4MPH

PROPERTY COMMENTS:

No vegetable garden
No play set

Grid for property sketch



STATION ID: HP0066A

SAMPLE ID: HP0066A-CS

SAMPLE COLLECTION TIME: 1128

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: HP0066A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56395656°</u>	N Longitude <u>86.79138748°</u>	W	
Media description: <u>HP0066A-1</u>		<u>Bwn silty clay m wet</u>	
Aliquot #2: Latitude: <u>33.56397927°</u>	N Longitude <u>86.79147541°</u>	W	
Media description: <u>HP0066A-2</u>		<u>Same soil</u>	
Aliquot #3: Latitude: <u>33.56397759°</u>	N Longitude <u>86.79142685°</u>	W	
Media description: <u>HP0066A-3</u>		<u>Same soil</u>	
Aliquot #4: Latitude: <u>33.5642298°</u>	N Longitude <u>86.79139870°</u>	W	
Media description: <u>HP0066A-4</u>		<u>Blk silty m dmp w/coag</u>	
Aliquot #5: Latitude: <u>33.56401395°</u>	N Longitude <u>86.79146452°</u>	W	
Media description: <u>HP0066A-5</u>		<u>lt bwn silty clay m wet</u>	

STATION ID: HP0066B

SAMPLE ID: HP0066B-CS

SAMPLE COLLECTION TIME: 1124

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: HP0066B-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56414834°</u>	N Longitude <u>86.79137605°</u>	W	
Media description: <u>HP0066B-1</u>		<u>orange bwn silty clay m wet</u>	
Aliquot #2: Latitude: <u>33.56414504°</u>	N Longitude <u>86.79145108°</u>	W	
Media description: <u>HP0066B-2</u>		<u>Same soil</u>	
Aliquot #3: Latitude: <u>33.56424737°</u>	N Longitude <u>86.79141277°</u>	W	
Media description: <u>HP0066B-3</u>		<u>Same soil</u>	
Aliquot #4: Latitude: <u>33.56433937°</u>	N Longitude <u>86.79135108°</u>	W	
Media description: <u>HP0066B-4</u>		<u>orange bwn silty clay m wet w/orange clay</u>	
Aliquot #5: Latitude: <u>33.56432867°</u>	N Longitude <u>86.79144609°</u>	W	
Media description: <u>HP0066B-5</u>		<u>orange bwn silty clay m wet w/orange clay</u>	

This address was incorrectly appended to this Property - (HP-027). The property was surveyed, even after speaking with the owners (who do have other properties within the study area) but this property is outside of the study area and has no access agreement.

ADDRESS: (b) (6)

PROPERTY ID: HP-027

DATE: 01/09/2013

ARRIVAL TIME: 1325

Therefore, these samples will be thrown out.

Other pertinent information (weather conditions, etc.):

57° Cloudy 87% humidity winds NE @ 6MPH

PROPERTY COMMENTS:

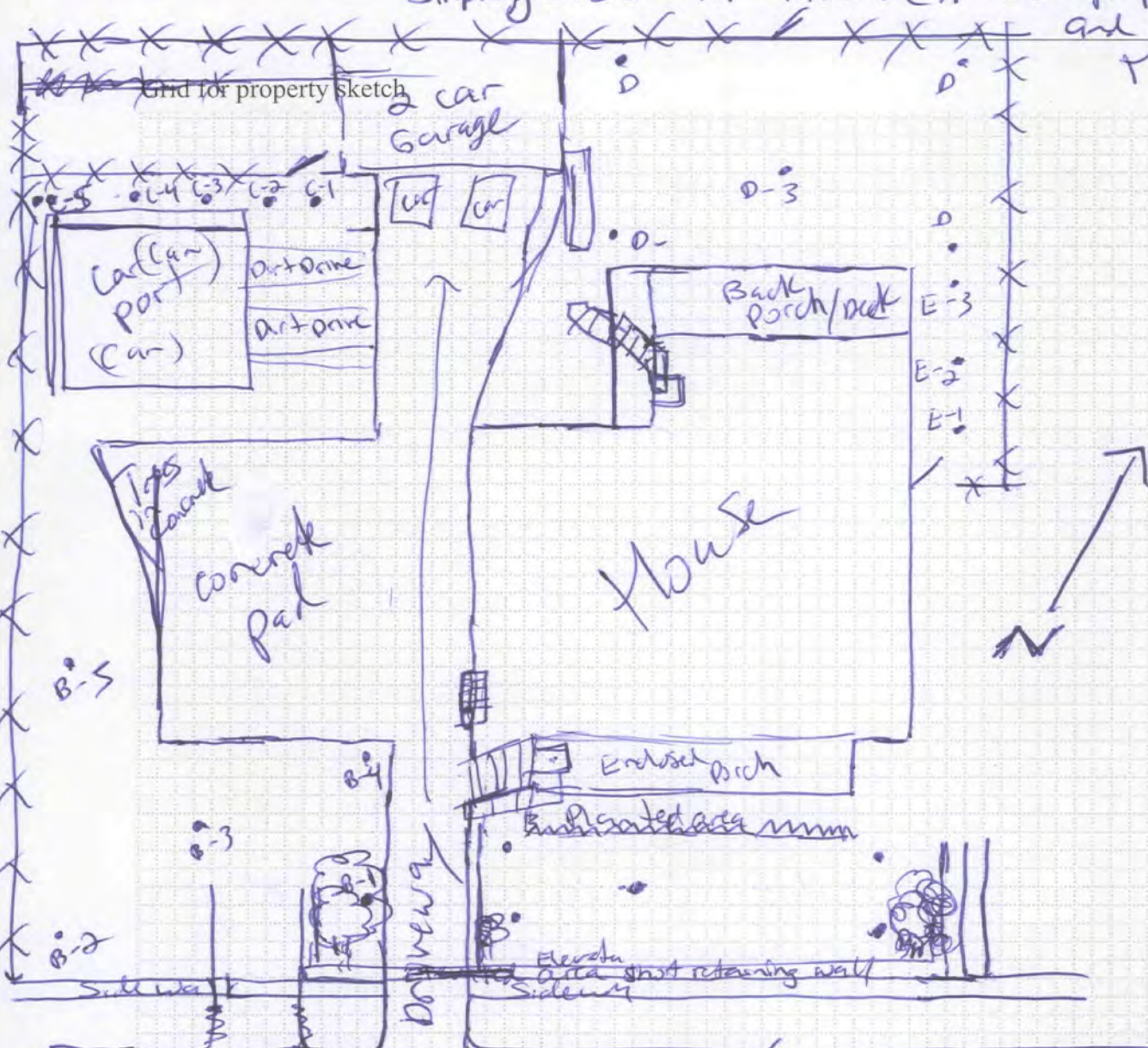
raining then turning to drizzle, then stopped

No vegetable garden, no plants

(b) (6) spoke with (b) (6)

C-5 to House 64 feet

near the samples taken for this property are being thrown out & will not be analyzed. We will be sampling 3655 42nd Avenue N - other property (HP016) and analyzing those samples though



(b) (6)

STATION ID: HP0127-A

SAMPLE ID: HP0127-A-CS

SAMPLE COLLECTION TIME: 1430

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: HP0127A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55019302°</u>	N Longitude: <u>86.82754727°</u>	W	
Media description: <u>HP0127A-1 Bwn silt m-f dmp</u>			
Aliquot #2 Latitude: <u>33.55017679°</u>	N Longitude: <u>86.82763250°</u>	W	
Media description: <u>HP0127A-2 Same soil</u>			
Aliquot #3: Latitude: <u>33.55019806°</u>	N Longitude: <u>86.82759770°</u>	W	
Media description: <u>HP0127A-3 Same soil</u>			
Aliquot #4: Latitude: <u>33.550221</u>	N Longitude: <u>86.827564</u>	W	
Media description: <u>HP0127A-4 Same soil</u>			
Aliquot #5: Latitude: <u>33.5502</u>	N Longitude: <u>86.82765</u>	W	
Media description: <u>HP0127A-5 Same soil</u>			

STATION ID: HP0127-B

SAMPLE ID: HP0127B-CS

SAMPLE COLLECTION TIME: 1428

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

Side yard Front part of SW 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: HP0127B-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55016384°</u>	N Longitude: <u>86.82767436°</u>	W	
Media description: <u>HP0127B-1 lt bwn to bwn silty clay m dmp</u>			
Aliquot #2 Latitude: <u>33.55012852°</u>	N Longitude: <u>86.82779223°</u>	W	
Media description: <u>HP0127B-2 Same soil</u>			
Aliquot #3: Latitude: <u>33.55017490°</u>	N Longitude: <u>86.82775892°</u>	W	
Media description: <u>HP0127B-3 Same soil</u>			
Aliquot #4: Latitude: <u>33.55021949°</u>	N Longitude: <u>86.82770386°</u>	W	
Media description: <u>HP0127B-4 Same soil</u>			
Aliquot #5: Latitude: <u>33.55023164°</u>	N Longitude: <u>86.82784401°</u>	W	
Media description: <u>HP0127B-5 Same soil</u>			

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

PROPERTY ID: HP027(Con)

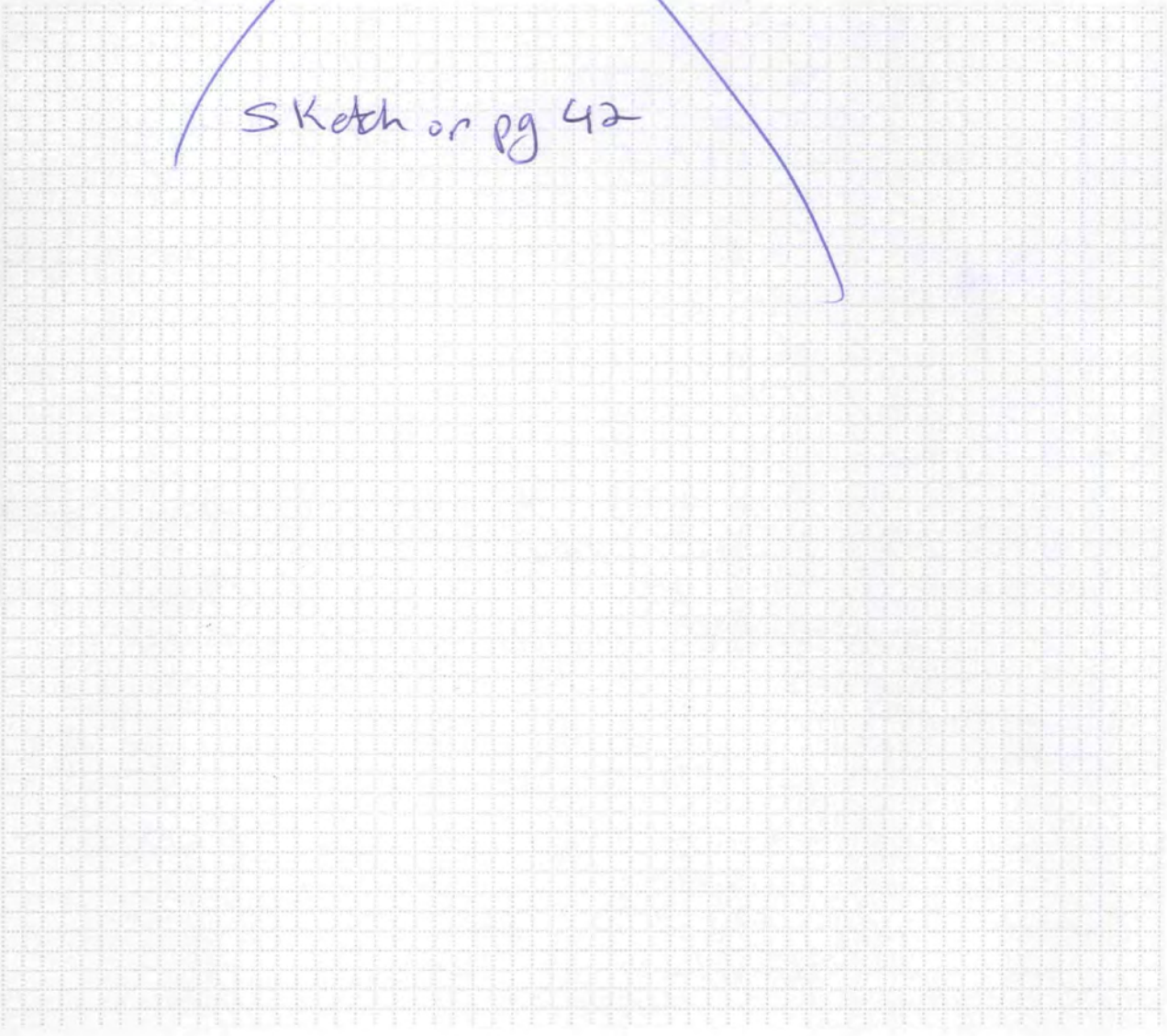
DATE: 01/09/2013

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0127C

SAMPLE ID: HP0127C-CS

SAMPLE COLLECTION TIME: 1422

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

Back part of SW side yard (N of car port)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0127C-CS-SP

GPS Coordinates: Trimble Instrument #: 28954 Logged? or N

Aliquot #1: Latitude: 33.55042979° N Longitude 86.82778449° W

Media description: HP0127C-1 1 ft bwn to bwn silty clay m damp

Aliquot #2 Latitude: 33.55042408° N Longitude 86.82782155° W

Media description: HP0127C-2 Sam soil

Aliquot #3: Latitude: 33.55040931° N Longitude 86.82785360° W

Media description: HP0127C-3 Sam soil

Aliquot #4: Latitude: 33.55040156° N Longitude 86.82788480° W

Media description: HP0127C-4 Sam soil

Aliquot #5: Latitude: 33.55038383° N Longitude 86.82792066° W

Media description: HP0127C-5 Sam soil

STATION ID: HP0127D

SAMPLE ID: HP0127C-CS

SAMPLE COLLECTION TIME: 1416

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

Back yard (behind house & Back deck)

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 #: 28954 Logged? or N

Aliquot #1: Latitude: 33.55044279° N Longitude 86.82761672° W

Media description: HP0127D-1 Bwn silty clay m damp

Aliquot #2 Latitude: 33.55041023° N Longitude 86.82768655° W

Media description: HP0127D-2 same soil

Aliquot #3: Latitude: 33.55048802° N Longitude 86.82766947° W

Media description: HP0127D-3 Sam soil

Aliquot #4: Latitude: 33.55053533° N Longitude 86.82766189° W

Media description: HP0127D-4 Sam soil

Aliquot #5: Latitude: 33.55052185° N Longitude 86.82772031° W

Media description: HP0127D-5 Sam soil

(b) (6)

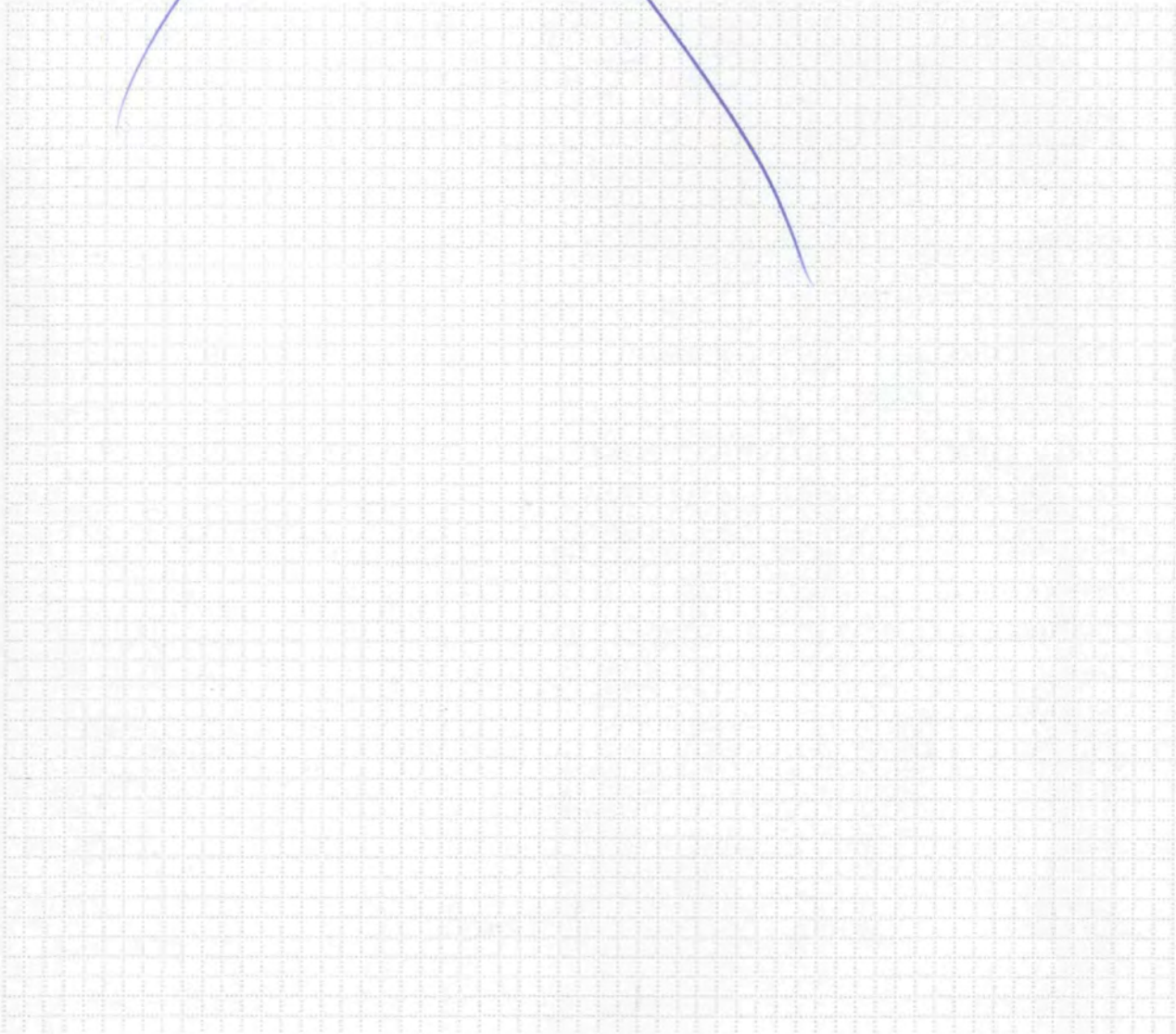
ADDRESS: _____ PROPERTY ID: _____

DATE: 1/09/2013 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0127E SAMPLE ID: HP0127E-CS

SAMPLE COLLECTION TIME: 1410

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0127E-CS-SP

GPS Coordinates: Trimble [] Instrument #: 018959 Logged? or N

Aliquot #1: Latitude: 33.55036935° N Longitude 86.82758027° W
Media description: HP0127E-3 Ben slty clay mdly

Aliquot #2 Latitude: 33.55039786° N Longitude 86.82759849° W
Media description: HP0127E-2 Shw s.s.

Aliquot #3: Latitude: 33.55042795° N Longitude 86.82761168° W
Media description: HP0127E-3 Shw s.s.

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

ADDRESS: (b) (6)

PROPERTY ID: HP0060

DATE: 01/09/2013

ARRIVAL TIME: 1530

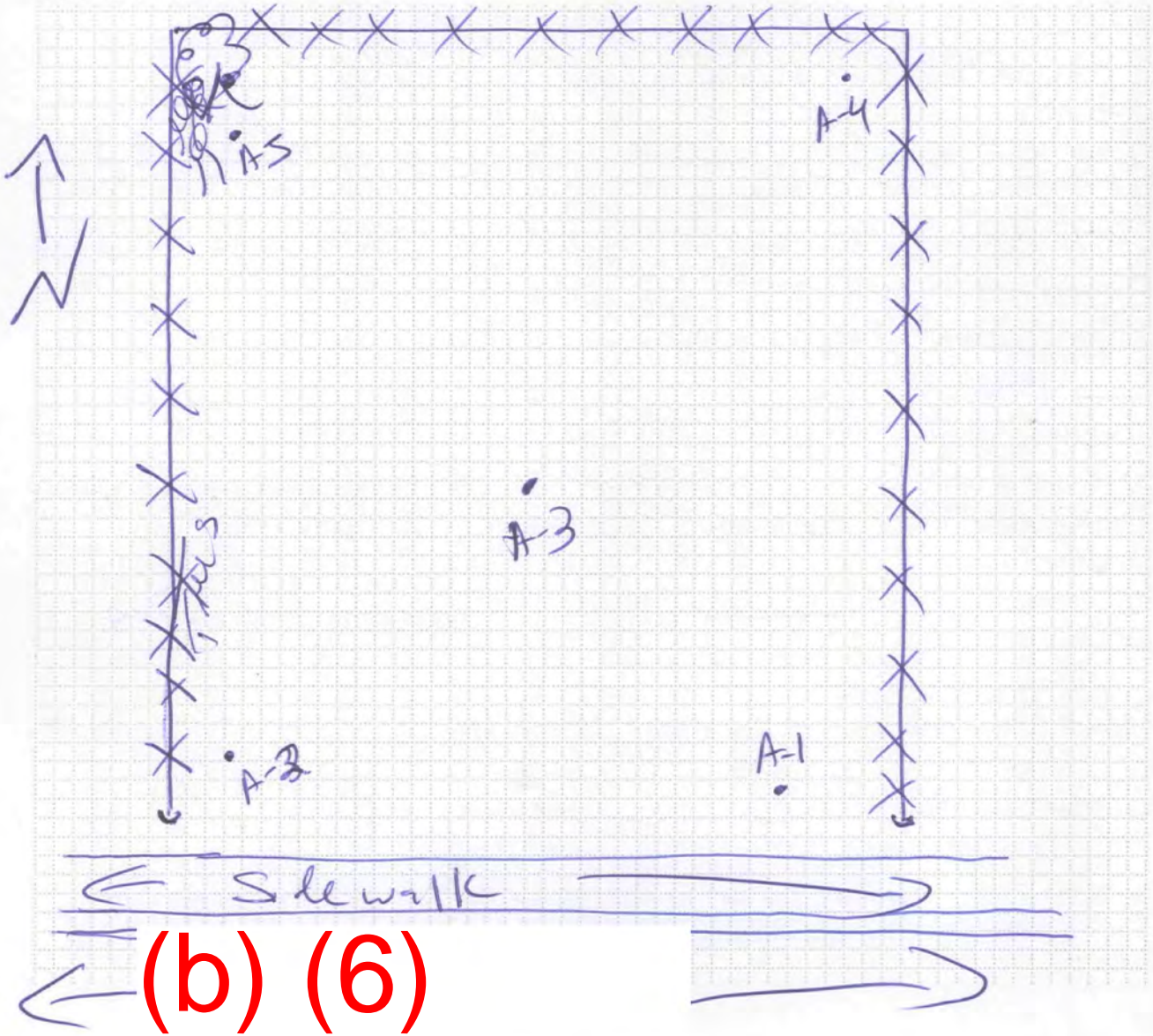
Other pertinent information (weather conditions, etc.):

58° cloudy 86% humidity winds ENE @ 8 MPH

PROPERTY COMMENTS: Vacant lot

Appears to have formerly been a vegetable garden, ^{lot} adjacent ^(to the east) is still an active vegetable garden
No play set

Grid for property sketch



STATION ID: HP0060A SAMPLE ID: HP0060A-CS

SAMPLE COLLECTION TIME: 1632

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0060A-CS-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.564064620</u> N Longitude <u>86.792343390</u> W Media description: <u>HP0060A-1</u> <u>orange brn slty clay m wet</u>
Aliquot #2: Latitude: <u>33.564072330</u> N Longitude <u>86.792448880</u> W Media description: <u>HP0060A-2</u> <u>same soil</u>
Aliquot #3: Latitude: <u>33.564122930</u> N Longitude <u>86.792381350</u> W Media description: <u>HP0060A-3</u> <u>same soil</u>
Aliquot #4: Latitude: <u>33.564194540</u> N Longitude <u>86.792331710</u> W Media description: <u>HP0060A-4</u> <u>same soil</u>
Aliquot #5: Latitude: <u>33.564188260</u> N Longitude <u>86.792433150</u> W Media description: <u>HP0060A-5</u> <u>same soil</u>

STATION ID: HP0060B SAMPLE ID: HP0060B-CS

SAMPLE COLLECTION TIME: 1629

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
North 1/2 of parcel

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0060B-CS-SP

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.564210840</u> N Longitude <u>86.792335580</u> W Media description: <u>HP0060B-1</u> <u>orange brn slty clay m wet</u>
Aliquot #2: Latitude: <u>33.564198460</u> N Longitude <u>86.792439240</u> W Media description: <u>HP0060B-2</u> <u>same soil</u>
Aliquot #3: Latitude: <u>33.564284880</u> N Longitude <u>86.792379870</u> W Media description: <u>HP0060B-3</u> <u>same soil</u>
Aliquot #4: Latitude: <u>33.564352510</u> N Longitude <u>86.792339300</u> W Media description: <u>HP0060B-4</u> <u>same soil</u>
Aliquot #5: Latitude: <u>33.564375130</u> N Longitude <u>86.792448110</u> W Media description: <u>HP0060B-5</u> <u>same soil</u>

(b) (6)

ADDRESS:

PROPERTY ID: CV-0025

DATE: 01/10/2013

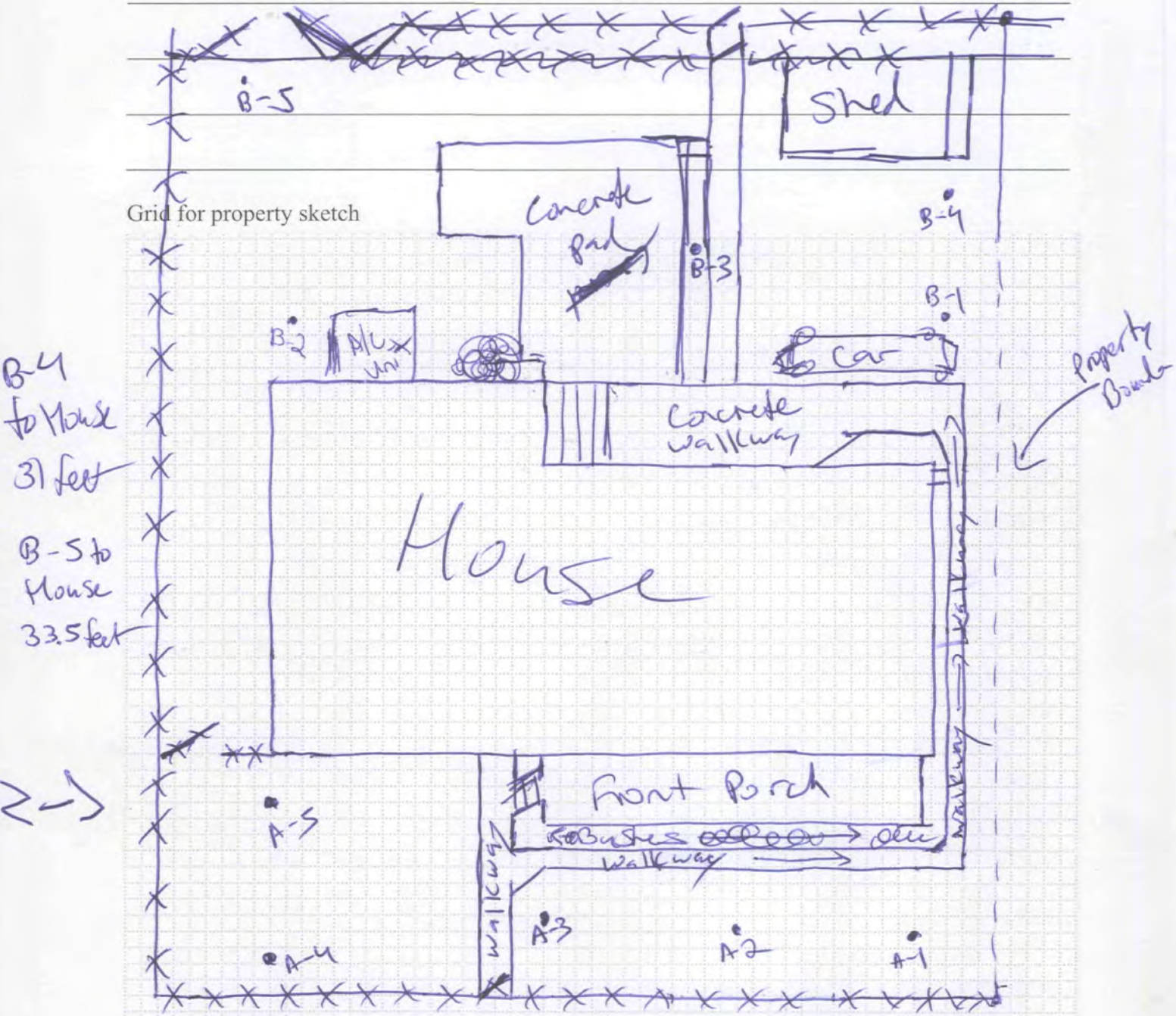
ARRIVAL TIME: 0854

Other pertinent information (weather conditions, etc.):

60° Fog 93% humidity winds E @ 4MPH

PROPERTY COMMENTS:

No vegetable garden no playsets



(b) (6)

STATION ID: CV0025A SAMPLE ID: CV0025A-LS

SAMPLE COLLECTION TIME: 0932

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 #: 018954 Logged? or N

Aliquot #1: Latitude: 33.55774244° N Longitude 86.80678522° W

Media description: CV0025A-1 OK brown silt m-f wet w/ coal fragments

Aliquot #2 Latitude: 33.55770277° N Longitude 86.80678837° W

Media description: CV0025A-2 Same soil

Aliquot #3: Latitude: 33.55766708° N Longitude 86.80679300° W

Media description: CV0025A-3 Same soil

Aliquot #4: Latitude: 33.55762779° N Longitude 86.80678388° W

Media description: CV0025A-4 Same soil

Aliquot #5: Latitude: 33.55762419° N Longitude 86.80682738° W

Media description: CV0025A-5 Same soil

STATION ID: CV0025B SAMPLE ID: CV0025B-LS

SAMPLE COLLECTION TIME: 0927

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 #: 018954 Logged? or N

Aliquot #1: Latitude: 33.55775363° N Longitude 86.80697680° W

Media description: CV0025B-1 OK brown silt m-f wet w/ coal fragments

Aliquot #2 Latitude: 33.55763162° N Longitude 86.80699010° W

Media description: CV0025B-2 Same soil

Aliquot #3: Latitude: 33.55770991° N Longitude 86.80700813° W

Media description: CV0025B-3 Same soil

Aliquot #4: Latitude: 33.55775558° N Longitude 86.80701954° W

Media description: CV0025B-4 Same soil

Aliquot #5: Latitude: 33.55764293° N Longitude 86.80708485° W

Media description: CV0025B-5 Same soil

(b) (6)

ADDRESS:

PROPERTY ID: C00026

DATE: 01/10/2013

ARRIVAL TIME: 0945

Other pertinent information (weather conditions, etc.):

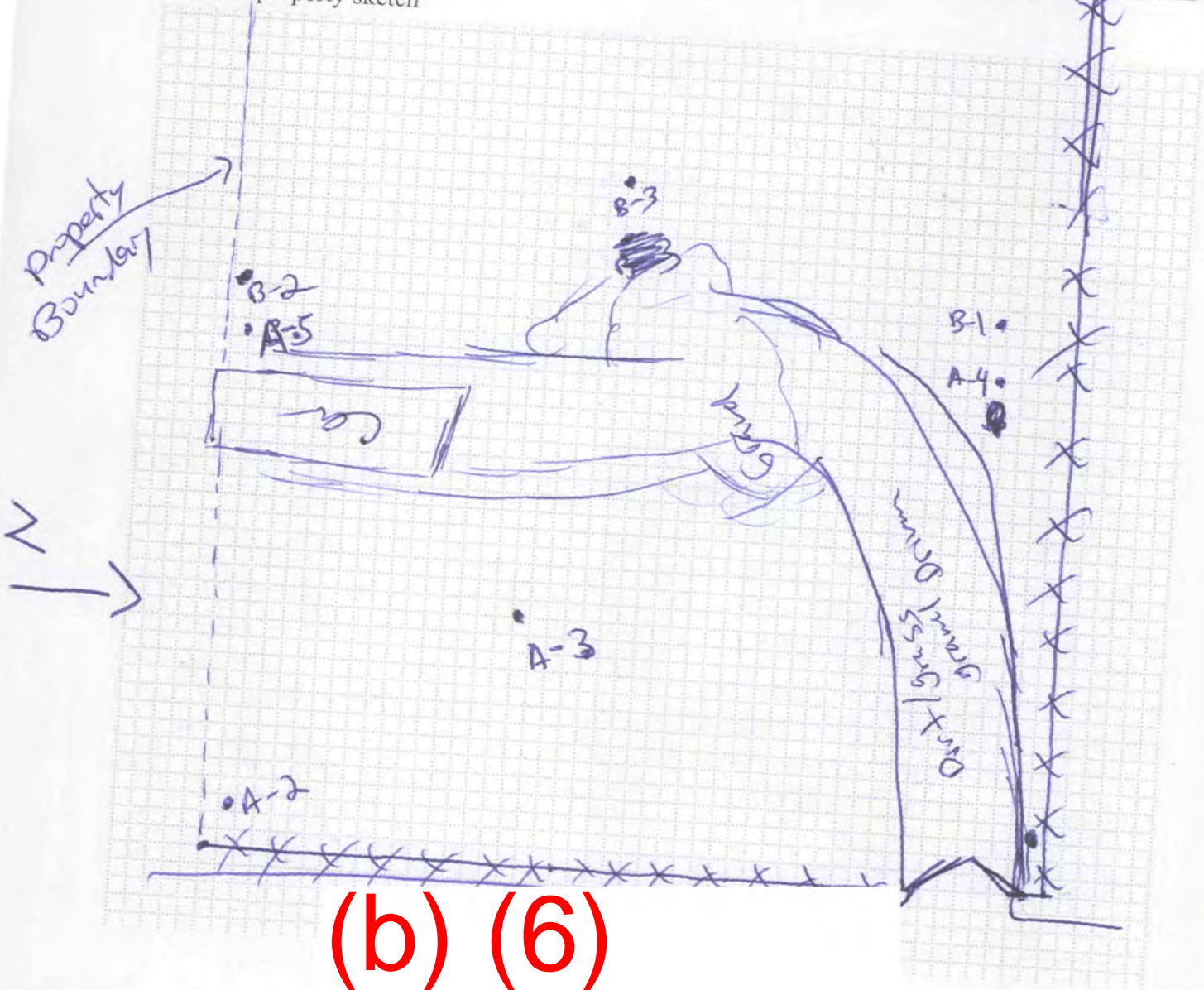
62° Fog, sprinkling rain, 94% humidity, winds E @ 4 MPH

PROPERTY COMMENTS:

(Mostly) Vacant lot adjacent to 3354 house (C00025).
Mostly used for (Driveway and parking) Formerly had a house on it, records to owner of parcels



Grid for property sketch



(b) (6)

STATION ID: CV0026A SAMPLE ID: CV0026A-CS

SAMPLE COLLECTION TIME: 1025

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
East 1/2 ~~of~~ of parcel

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u> Logged? <input checked="" type="radio"/> Y or N	
Aliquot #1: Latitude: <u>33.55789847°</u> N Longitude: <u>86.80678491°</u> W	Media description: <u>CV0026A-1 DK bwn silty clay m-c wet</u>
Aliquot #2: Latitude: <u>33.55777255°</u> N Longitude: <u>86.80678143°</u> W	Media description: <u>CV0026A-2 Reddish Bwn w/orange clay c drp</u>
Aliquot #3: Latitude: <u>33.55782209°</u> N Longitude: <u>86.80685700°</u> W	Media description: <u>CV0026A-3 Reddish Bwn w/orange clay c drp</u>
Aliquot #4: Latitude: <u>33.55788381°</u> N Longitude: <u>86.80690545°</u> W	Media description: <u>CV0026A-4 DK bwn silty clay m-c wet</u>
Aliquot #5: Latitude: <u>33.55777646°</u> N Longitude: <u>86.80691977°</u> W	Media description: <u>CV0026A-5 Reddish Bwn w/orange clay c drp</u>

STATION ID: CV0026B SAMPLE ID: CV0026B-CS

SAMPLE COLLECTION TIME: 1017

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

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u> Logged? <input checked="" type="radio"/> Y or N	
Aliquot #1: Latitude: <u>33.55777682°</u> N Longitude: <u>86.80695262°</u> W	Media description: <u>CV0026B-1 DK bwn silty clay w/ coal m-c wet</u>
Aliquot #2: Latitude: <u>33.55788071°</u> N Longitude: <u>86.80694380°</u> W	Media description: <u>CV0026B-2 Reddish Bwn clay m-c wet</u>
Aliquot #3: Latitude: <u>33.55783628° <u>33.55783628°</u></u> N Longitude: <u>86.80699363°</u> W	Media description: <u>CV0026B-3 Reddish Bwn clay m-c wet</u>
Aliquot #4: Latitude: <u>33.55790026°</u> N Longitude: <u>86.80708209°</u> W	Media description: <u>CV0026B-4 DK bwn silty clay w/ coal m-c wet</u>
Aliquot #5: Latitude: <u>33.55778258°</u> N Longitude: <u>86.80708879°</u> W	Media description: <u>CV0026B-5 DK bwn silty clay w/ coal m-c wet</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: W0420

DATE: 01/10/2013 ARRIVAL TIME: 10:52

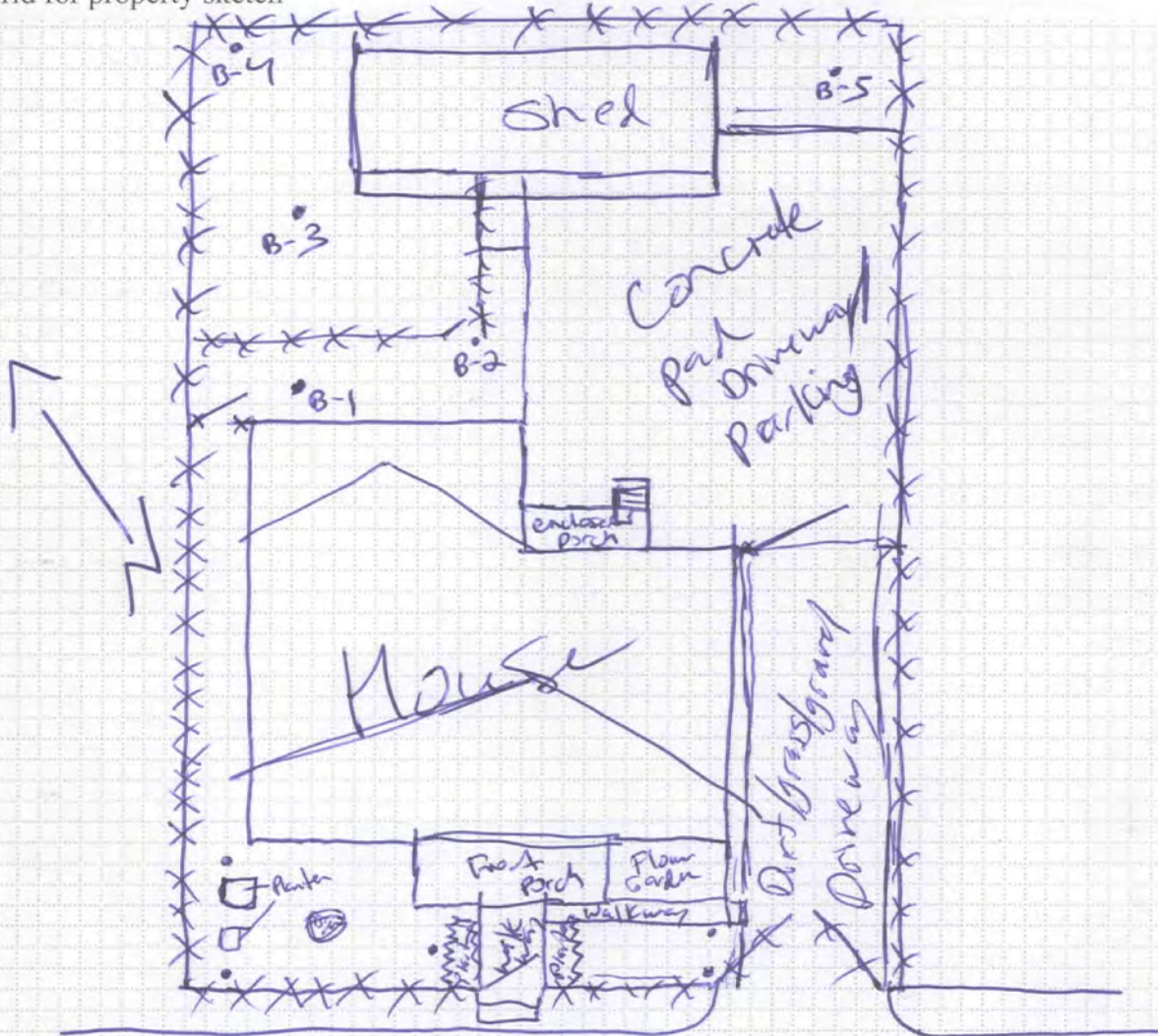
Other pertinent information (weather conditions, etc.):

63° Fog, 100% Humidity wind E @ 7MPH

PROPERTY COMMENTS:

No vegetable gardens lots of planters and plants/flowers galore, No play set

Grid for property sketch



(b) (6)

STATION ID: CV0420A SAMPLE ID: CV0420A-CS

SAMPLE COLLECTION TIME: 1125

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>28954</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55920037°</u> N Longitude <u>86.79929011°</u> W Media description: <u>CV0420A-1</u> <u>Ben silt m damp w/coal fragments</u>
Aliquot #2: Latitude: <u>33.55924547°</u> N Longitude <u>86.79934393°</u> W Media description: <u>CV0420A-2</u> <u>Same soil</u>
Aliquot #3: Latitude: <u>33.55922997°</u> N Longitude <u>86.79930743°</u> W Media description: <u>CV0420A-3</u> <u>Same soil</u>
Aliquot #4: Latitude: <u>33.55921963°</u> N Longitude <u>86.79926666°</u> W Media description: <u>CV0420A-4</u> <u>Same soil</u>
Aliquot #5: Latitude: <u>33.55927310°</u> N Longitude <u>86.79931607°</u> W Media description: <u>CV0420A-5</u> <u>Same soil</u>

STATION ID: CV0420B SAMPLE ID: CV0420B-CS

SAMPLE COLLECTION TIME: 1133

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: CV0420B-CS D

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>28954</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55937001°</u> N Longitude <u>86.79919653°</u> W Media description: <u>CV0420B-1</u> <u>Ben mulch/silt m damp w/coal fragments</u>
Aliquot #2: Latitude: <u>33.55938496°</u> N Longitude <u>86.79914423°</u> W Media description: <u>CV0420B-2</u> <u>Same soil</u>
Aliquot #3: Latitude: <u>33.55941410°</u> N Longitude <u>86.79914702°</u> W Media description: <u>CV0420B-3</u> <u>Same soil</u>
Aliquot #4: Latitude: <u>33.55945566°</u> N Longitude <u>86.79912093°</u> W Media description: <u>CV0420B-4</u> <u>Same soil</u>
Aliquot #5: Latitude: <u>33.55938223°</u> N Longitude <u>86.79905249°</u> W Media description: <u>CV0420B-5</u> <u>Same soil</u>

(b) (6)

ADDRESS:

PROPERTY ID:

W-0537

DATE:

01/10/2013

ARRIVAL TIME:

0142

Other pertinent information (weather conditions, etc.):

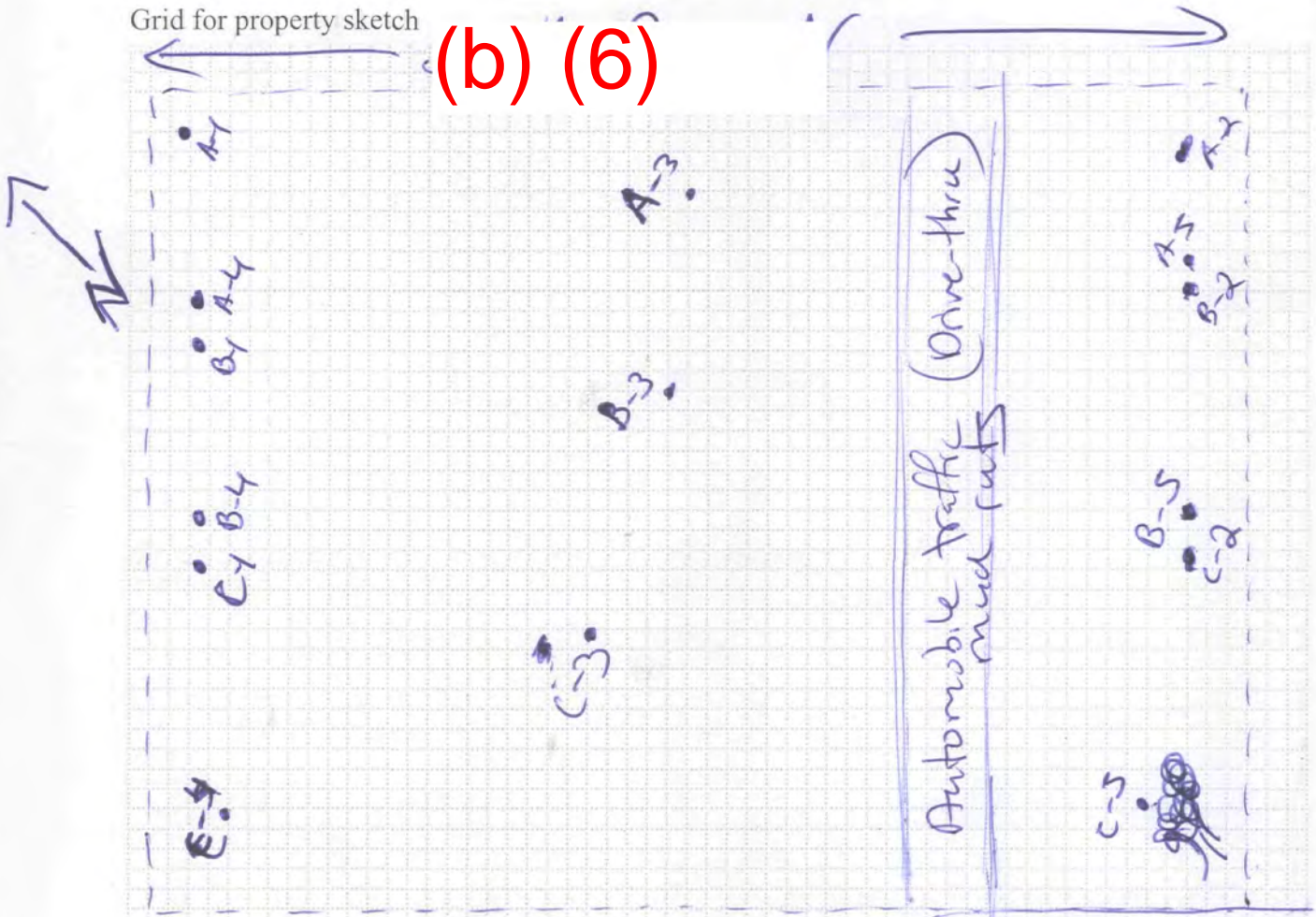
65° cloudy 93% humidity winds: ESE @ 9MPH

PROPERTY COMMENTS:

Vacant lot = corner boundaries ping flagged
divided into 3 sections → per rule 3; if over 1/4 acre,
divide into 1/4 acres (Total area = 25,314 sq ft.)
(+0.820 sq ft.)

Grid for property sketch

(b) (6)



(b) (6)

STATION ID: CV0537A

SAMPLE ID: CV0537A-CS

SAMPLE COLLECTION TIME: 1438

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

NE 1/3 of parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 28954 Logged? or N

Aliquot #1: Latitude: 33.56217007° N Longitude 86.79958801° W

Media description: CV0537A-1 H-bun to bun silty clay m wet

Aliquot #2 Latitude: 33.56191413° N Longitude 86.79924170° W

Media description: CV0537A-2 Gray black silty clay c wet

Aliquot #3: Latitude: 33.56201861° N Longitude 86.79947187° W

Media description: CV0537A-3 1+ bun to bun silty clay m wet

Aliquot #4: Latitude: 33.56211469° N Longitude 86.79963929° W

Media description: CV0537A-4

Aliquot #5: Latitude: 33.56184445° N Longitude 86.79932499° W

Media description: CV0537A-5

STATION ID: CV0537B

SAMPLE ID: CV0537B-CS

SAMPLE COLLECTION TIME: 1427

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

Center 1/3 of parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble Instrument #: 28954 Logged? or N

Aliquot #1: Latitude: 33.56209987° N Longitude 86.79966400° W

Media description: CV0537B-1 Bun silty clay m-c wet

Aliquot #2 Latitude: 33.56182839° N Longitude 86.79933886° W

Media description: CV0537B-2 Bun silty clay m-c w/ orange clay wet w/ gravel

Aliquot #3: Latitude: 33.56195746° N Longitude 86.7995306° W

Media description: CV0537B-3 Bun silty clay m-c w/ orange clay wet w/ c and fragments Est. 100%

Aliquot #4: Latitude: 33.56201992° N Longitude 86.79974137° W

Media description: CV0537B-4 Bun silty clay m-c wet w/ coal fragment Est. 100%

Aliquot #5: Latitude: 33.56176962° N Longitude 86.79941315° W

Media description: CV0537B-5 Bun silty clay m wet

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0537 (cont.)

DATE: 01/10/2013 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0537C SAMPLE ID: CV0537C-CS

SAMPLE COLLECTION TIME: 1428

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
SW 1/3 of parcel

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018959</u> Logged? (<input checked="" type="checkbox"/>) or N
Aliquot #1: Latitude: <u>33.56200475°</u> N Longitude <u>86.56200475°</u> W Media description: <u>CV0537C-1 Bw to dk brown silt dmp w/ coal fragments</u>
Aliquot #2: Latitude: <u>33.56175687°</u> N Longitude <u>86.79943336°</u> W Media description: <u>CV0537C-2 Same soil</u>
Aliquot #3: Latitude: <u>33.56189008°</u> N Longitude <u>86.79966556°</u> W Media description: <u>CV0537C-3 same soil</u>
Aliquot #4: Latitude: <u>33.56192298°</u> N Longitude <u>86.79986962°</u> W Media description: <u>CV0537C-4 Same soil</u>
Aliquot #5: Latitude: <u>33.56188345°</u> N Longitude <u>86.79955203°</u> W Media description: <u>CV0537C-5 Same soil</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: CW 0538

DATE: 01/10/2013

ARRIVAL TIME: 0450

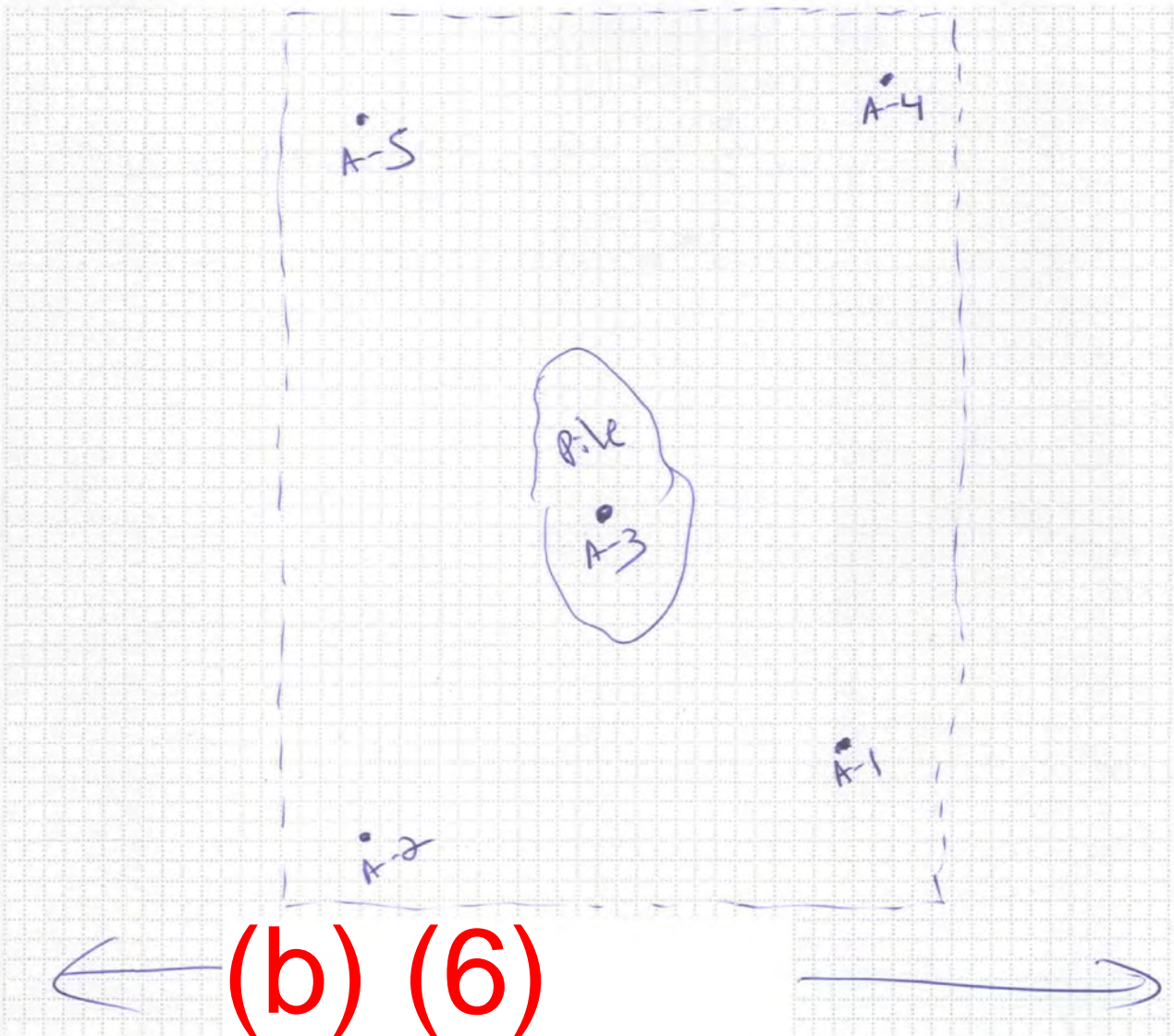
Other pertinent information (weather conditions, etc.):

65° cloudy 94% humidity, winds ESE @ 8MPH
PROPERTY COMMENTS: Slight drizzle upon beginning of sampling

Vacant lot

trash and debris under leaf piles throughout parcel and lots of ruts and puddles

Grid for property sketch



STATION ID: CV0538A

SAMPLE ID: CV0538A-CS

SAMPLE COLLECTION TIME: 1520

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

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

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

GPS Coordinates: Trimble Instrument #: 018954 Logged? or N

Aliquot #1: Latitude: 33.56226369° N Longitude 86.79979687° W
Media description: CV0538A-1 Bwn silty clay w/ tan clay m-c wet

Aliquot #2: Latitude: 33.56225554° N Longitude 86.79973516° W
Media description: CV0538A-2 Bwn silty clay m-f w/ red clay m-c wet

Aliquot #3: Latitude: 33.56213390° N Longitude 86.79989737° W
Media description: CV0538A-3 Bwn silty clay f layer over orange clay c w/ gravel wet

Aliquot #4: Latitude: 33.56200869° N Longitude 86.80010096° W
Media description: CV0538A-4 Bwn silty clay f layer over orange clay c wet

Aliquot #5: Latitude: 33.56200034° N Longitude 86.80002801° W
Media description: CV0538A-5 Bwn silty clay f layer over orange clay c wet

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: CV0270

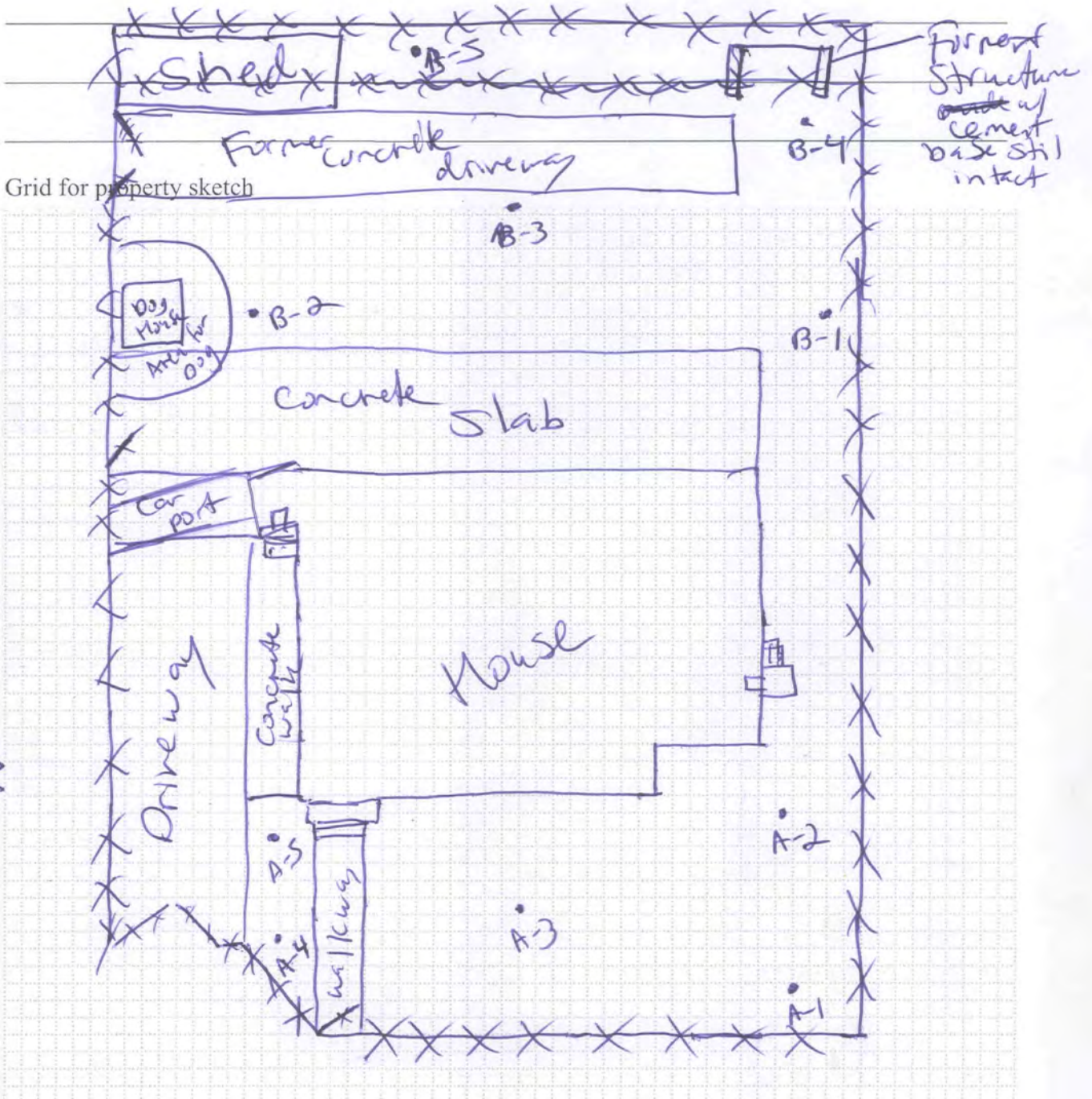
DATE: 01/10/2013

ARRIVAL TIME: 1534

Other pertinent information (weather conditions, etc.):

66° cloudy 94% humidity, winds ESE @ 6 MPH

PROPERTY COMMENTS:



STATION ID: CW0270A SAMPLE ID: CW0270A-LS

SAMPLE COLLECTION TIME: 1604

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>018954</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55835374°</u> N Longitude <u>86.80316455</u> W	
Media description: <u>CW0270A-1</u> <u>Blk silty clay f wet</u>	
Aliquot #2 Latitude: <u>33.55827368°</u> N Longitude <u>86.80316905°</u> W	
Media description: <u>CW0270A-2</u>	
Aliquot #3: Latitude: <u>33.55831894°</u> N Longitude <u>86.80318504°</u> W	
Media description: <u>CW0270A-3</u>	
Aliquot #4: Latitude: <u>33.55835519°</u> N Longitude <u>86.80321292°</u> W	
Media description: <u>CW0270A-4</u>	
Aliquot #5: Latitude: <u>33.55827881°</u> N Longitude <u>86.80321431°</u> W	
Media description: <u>CW0270A-5</u>	

STATION ID: CW0270B SAMPLE ID: CW0270B-LS

SAMPLE COLLECTION TIME: 1614

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>018594</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55836896°</u> N Longitude <u>86.80344167°</u> W	
Media description: <u>CW0270B-1</u> <u>Blk silty clay f wet</u>	
Aliquot #2 Latitude: <u>33.55829309°</u> N Longitude <u>86.80344386°</u> W	
Media description: <u>CW0270B-2</u> <u>same soil</u>	
Aliquot #3: Latitude: <u>33.55832581°</u> N Longitude <u>86.8034929°</u> W	
Media description: <u>CW0270B-3</u> <u>same soil</u>	
Aliquot #4: Latitude: <u>33.55837177°</u> N Longitude <u>86.80354595°</u> W	
Media description: <u>CW0270B-4</u> <u>same soil</u>	
Aliquot #5: Latitude: <u>33.55829062°</u> N Longitude <u>86.80357002°</u> W	
Media description: <u>CW0270B-5</u> <u>same soil</u>	

(b) (6)

ADDRESS:

PROPERTY ID:

CV0896

DATE:

01/11/2013

ARRIVAL TIME:

0922

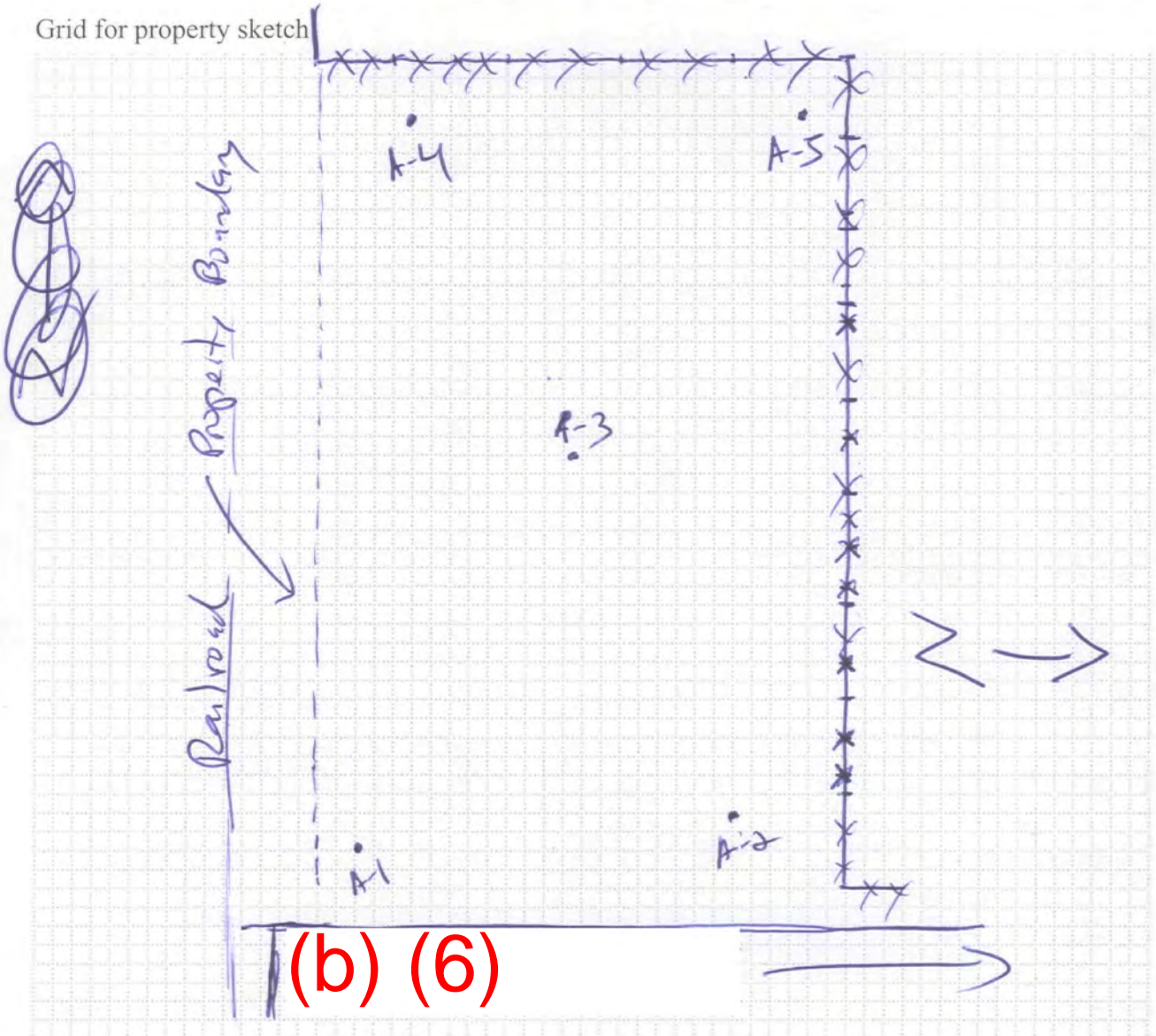
Other pertinent information (weather conditions, etc.):

64° Cloudy 94% humidity

PROPERTY COMMENTS:

vacant lot, adjacent to RR tracks

Grid for property sketch



(b) (6)

STATION ID: CV 0896A SAMPLE ID: CV0896A-CS

SAMPLE COLLECTION TIME: 0958

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

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>018954</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55286428°</u> N Longitude <u>86.79920324°</u> W	Media description: <u>CV0896A-1 Brown Slt m dmp w/slag</u>
Aliquot #2: Latitude: <u>33.55294350°</u> N Longitude <u>86.79919817°</u> W	Media description: <u>CV0896A-2 Brown Slt m dmp</u>
Aliquot #3: Latitude: <u>33.55290830°</u> N Longitude <u>86.79933398°</u> W	Media description: <u>CV0896A-3 Brown Slt m dmp</u>
Aliquot #4: Latitude: <u>33.55287791°</u> N Longitude <u>86.79944659°</u> W	Media description: <u>CV0896A-4 orange Clay m dmp</u>
Aliquot #5: Latitude: <u>33.55295570°</u> N Longitude <u>86.79944586°</u> W	Media description: <u>CV0896A-5 Brown Slt m dmp</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: _____