

REDACTED

LBX0018

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 1 of

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

List of Sampling Team in logbook:

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

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Sampling Procedures and Methodology

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

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

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq ¼-acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over ¼-acre in parcel lot size will be divided into ¼-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

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

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

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

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

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

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

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

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

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

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

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

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

ADDRESS: (b) (6)

PROPERTY ID: CV-0694

DATE: 12/11/12

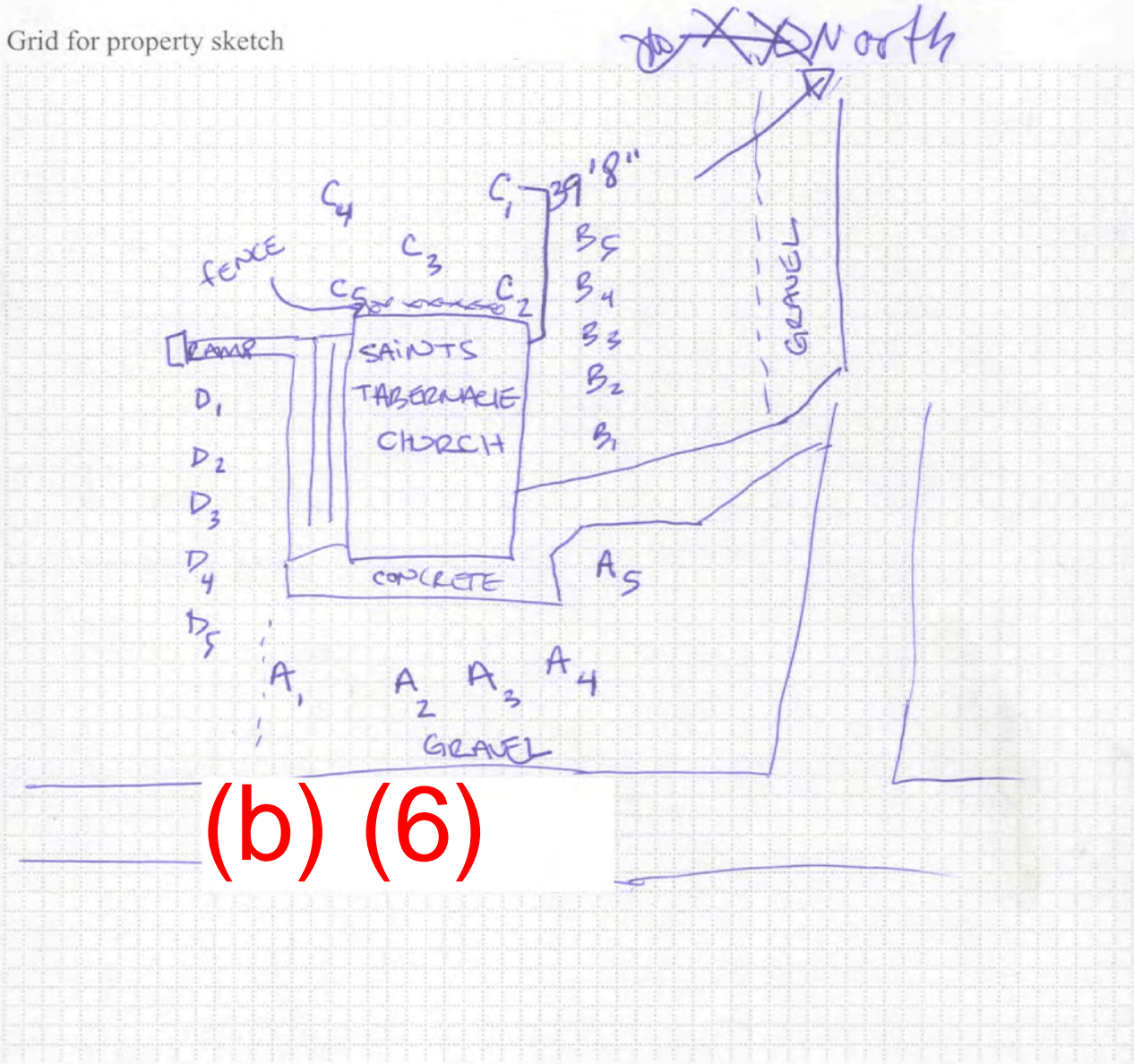
ARRIVAL TIME: 0840

Other pertinent information (weather conditions, etc.):

37°F, cloudy & windy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV-0694

SAMPLE ID: CV-0694A-CS

SAMPLE COLLECTION TIME: 0924

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

FRONT YARD, # (PARALLEL)

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>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.55960395</u>	N Longitude: <u>86.80232382</u>		W
Media description: <u>SILTY WITH COAL CHIPS</u>			
Aliquot #2: Latitude: <u>33.55963356</u>	N Longitude: <u>86.80229183</u>		W
Media description: <u>SILTY WITH COAL CHIPS</u>			
Aliquot #3: Latitude: <u>33.55965407</u>	N Longitude: <u>86.80226224</u>		W
Media description: <u>BROWN CLAY</u>			
Aliquot #4: Latitude: <u>33.55967987</u>	N Longitude: <u>86.80224228</u>		W
Media description: <u>SILTY BROWN, FINE GRAVEL</u>			
Aliquot #5: Latitude: <u>33.55971539</u>	N Longitude: <u>86.80225320</u>		W
Media description: <u>SILTY BROWN, FINE GRAVEL</u>			

STATION ID: CV 0694

SAMPLE ID: CV 0694B-CS

SAMPLE COLLECTION TIME: 0943

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>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.55977220</u>	N Longitude: <u>86.80231818</u>		W
Media description: <u>dark brown silty soil damp</u>			
Aliquot #2: Latitude: <u>33.55982300</u>	N Longitude: <u>86.80237032</u>		W
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55982940</u>	N Longitude: <u>86.80238879</u>		W
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55984458</u>	N Longitude: <u>86.80241129</u>		W
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>silty s 33.55985761</u>	N Longitude: <u>86.80243761</u>		W
Media description: <u>silty soil dark brown, damp + coal fragments</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0694

DATE: 12/11/12 ARRIVAL TIME: 0840

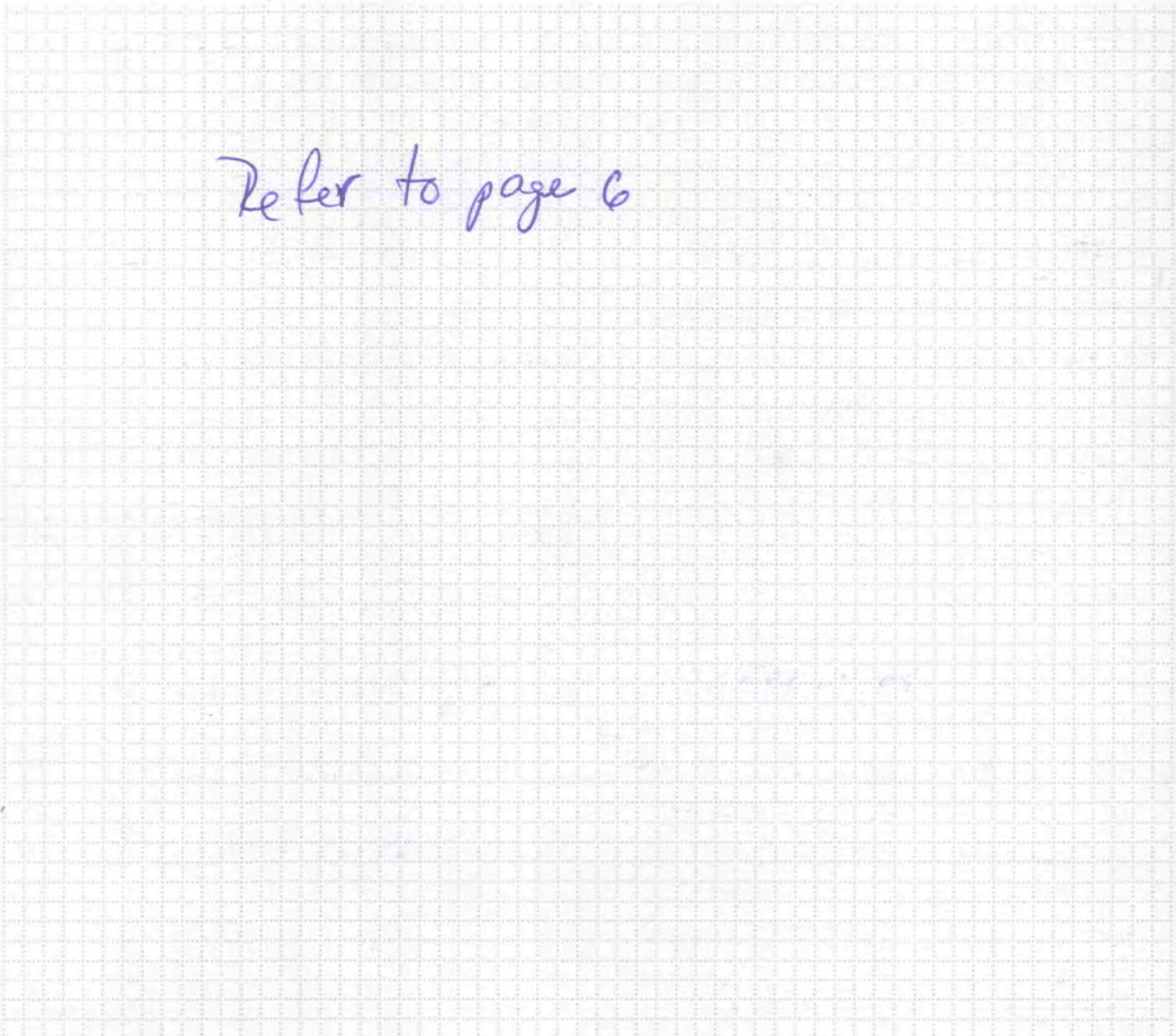
Other pertinent information (weather conditions, etc.):

37°, cloudy & windy

PROPERTY COMMENTS:

Refer to page 6

Grid for property sketch



STATION ID: CV-0694 SAMPLE ID: CV0694C-CS

SAMPLE COLLECTION TIME: 0954

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: CV-0694C

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55990039</u> N Longitude: <u>86.80246593</u> W	Media description: <u>CLAY-LIKE SOIL WITH GRAVEL</u>
Aliquot #2: Latitude: <u>33.55994628</u> N Longitude: <u>86.80252331</u> W	Media description: <u>CLAY-LIKE SOIL WITH GRAVEL</u>
Aliquot #3: Latitude: <u>33.55986314</u> N Longitude: <u>86.80257453</u> W	Media description: <u>REDISH BROWN COLORED SOIL</u>
Aliquot #4: Latitude: <u>33.55981401</u> N Longitude: <u>86.80259649</u> W	Media description: <u>GLASS IN BLUE/GRAY SOIL</u>
Aliquot #5: Latitude: <u>33.55984187</u> N Longitude: <u>86.80264486</u> W	Media description: <u>SAND MIXED WITH SOIL</u>

STATION ID: CV-0694 SAMPLE ID: CV-0694D-CS

SAMPLE COLLECTION TIME: 1006

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>018581</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55972563</u> N Longitude: <u>86.80259701</u> W	Media description: <u>dark brown silty soil damp</u>
Aliquot #2: Latitude: <u>33.55970674</u> N Longitude: <u>86.80257133</u> W	Media description: <u>same as #1</u>
Aliquot #3: Latitude: <u>33.55988724</u> N Longitude: <u>86.80253869</u> W	Media description: <u>same as #1</u>
Aliquot #4: Latitude: <u>33.55966694</u> N Longitude: <u>86.80250951</u> W	Media description: <u>same as #1</u>
Aliquot #5: Latitude: <u>33.55963673</u> N Longitude: <u>86.80246913</u> W	Media description: <u>dark brown silty soil damp with orange clay</u>

(b) (6)

ADDRESS:

PROPERTY ID: CV-0655

DATE: 12/11/12

ARRIVAL TIME: 1028

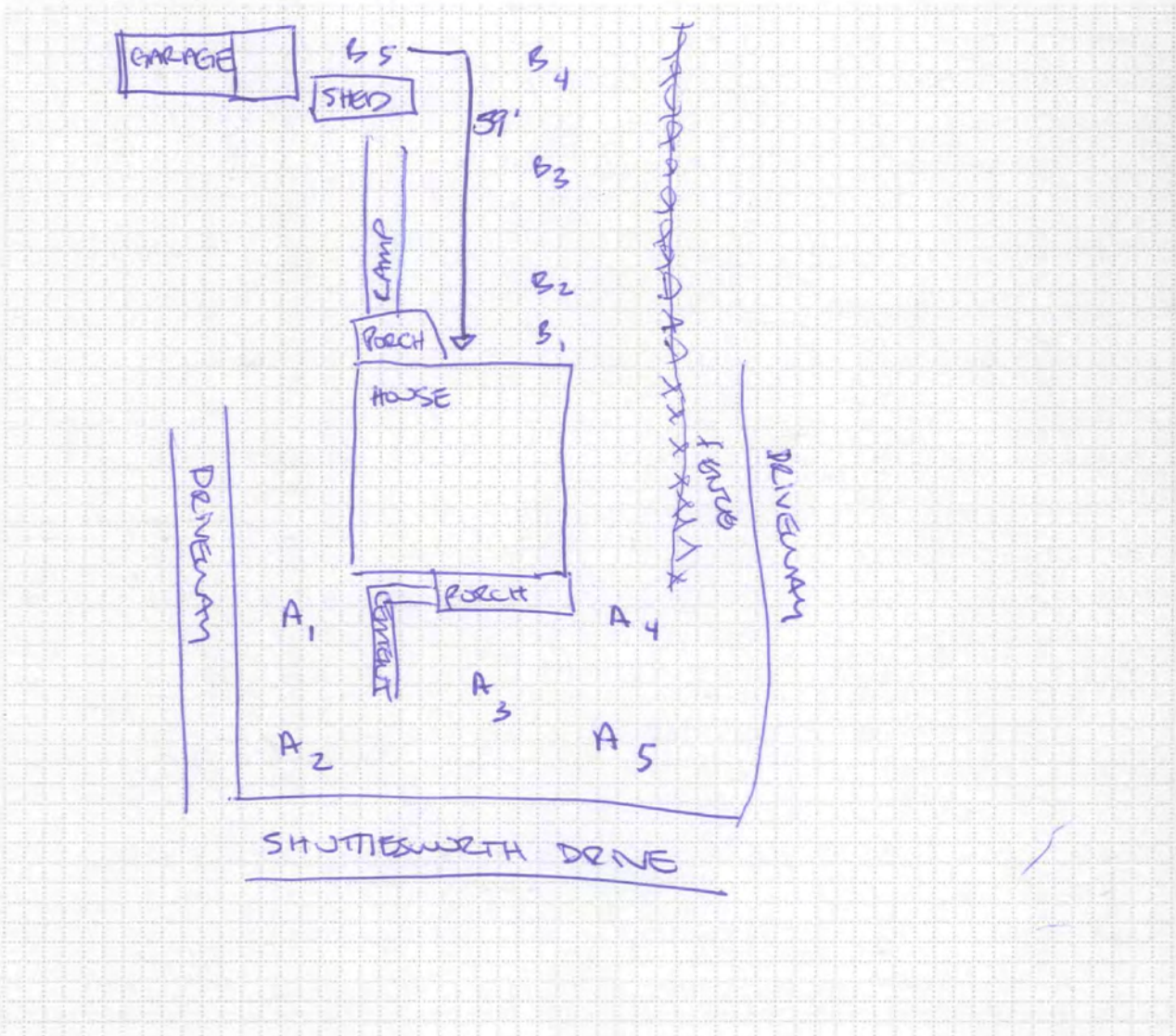
Other pertinent information (weather conditions, etc.):

37°, cloudy & windy

PROPERTY COMMENTS:

START COMMUNICATED WITH THE OWNER

Grid for property sketch



STATION ID: CV-0655

SAMPLE ID: CV-0655A-CS

SAMPLE COLLECTION TIME: 1053

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>018581</u>		Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.5942653</u>	N Longitude	<u>86.80103503</u>	W
Media description: <u>A PIECE OF COAL FOUND AMONGST SOIL</u>			
Aliquot #2: Latitude: <u>33.55938615</u>	N Longitude	<u>86.80098598</u>	W
Media description: <u>A PIECE OF COAL FOUND AMONGST SOIL</u>			
Aliquot #3: Latitude: <u>33.55942322</u>	N Longitude	<u>86.80097553</u>	W
Media description: <u>DARK BROWN SOIL</u>			
Aliquot #4: Latitude: <u>33.55947281</u>	N Longitude	<u>86.80096841</u>	W
Media description: <u>DARK BROWN SOIL</u>			
Aliquot #5: Latitude: <u>DARK 33.55943679</u>	N Longitude	<u>86.80091586</u>	W
Media description: <u>DARK BROWN SOIL</u>			

STATION ID: CV-0655

SAMPLE ID: CV-0655B-CS

SAMPLE COLLECTION TIME: 1106

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>018581</u>		Logged? [<input checked="" type="checkbox"/>] or N	
Aliquot #1: Latitude: <u>33.55958488</u>	N Longitude	<u>86.80113540</u>	W
Media description: <u>SILTY SOIL DAMP; DARK BROWN</u>			
Aliquot #2: Latitude: <u>33.55962092</u>	N Longitude	<u>86.80117902</u>	W
Media description: <u>SAME AS #1</u>			
Aliquot #3: Latitude: <u>33.55966115</u>	N Longitude	<u>86.80123337</u>	W
Media description: <u>COAL FRAGMENTS; DARK BROWN SILTY SOIL</u>			
Aliquot #4: Latitude: <u>33.55967395</u>	N Longitude	<u>86.80125986</u>	W
Media description: <u>SAME AS #1</u>			
Aliquot #5: Latitude: <u>33.55964129</u>	N Longitude	<u>86.80127268</u>	W
Media description: <u>SAME AS #1</u>			

(b) (6)

ADDRESS

PROPERTY ID: CV-0061

DATE: 12/11/12

ARRIVAL TIME: 12:41

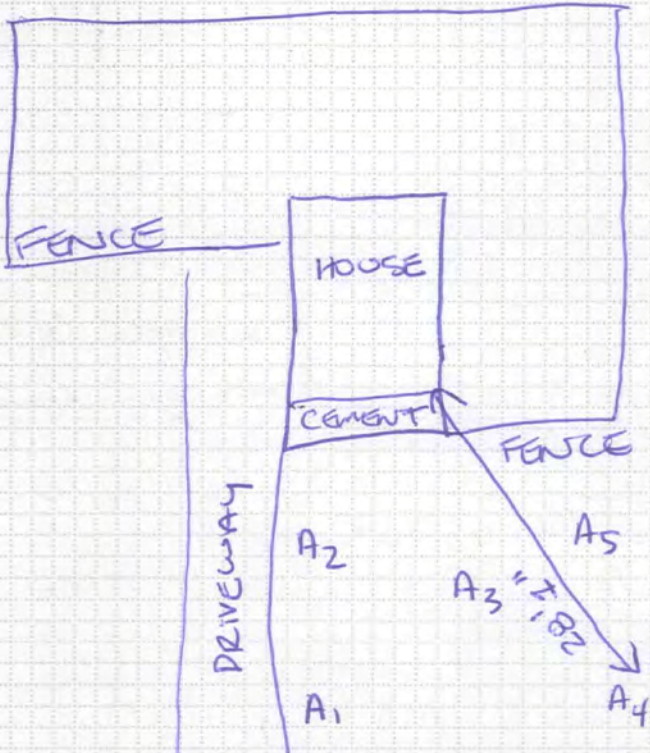
Other pertinent information (weather conditions, etc.):

39°F, CLOUDY WIND ABOUT 8 MPH NORTA

PROPERTY COMMENTS:

HOUSE APPEARS TO BE REPOSED BY THE BANK. THE GATE SURROUNDING THE BACK YARD OF THE PROPERTY IS LOCKED & THEREFORE ONLY THE FRONT YARD WAS SAMPLED.

Grid for property sketch



(b) (6)

STATION ID: CV-0061

SAMPLE ID: CV-0061A-CS

SAMPLE COLLECTION TIME: 13:13

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>018581</u>		Logged? <input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33.55415856</u>	N Longitude	<u>86.80300669</u>	W
Media description: <u>BROWN SILTY CLAY WITH COAL FRAGMENTS</u>			
Aliquot #2 Latitude: <u>33.55421273</u>	N Longitude	<u>86.80300781</u>	W
Media description: <u>REDISH-BROWN SILTY CLAY</u>			
Aliquot #3: Latitude: <u>33.55417981</u>	N Longitude	<u>86.80295382</u>	W
Media description: <u>REDISH-BROWN SILTY CLAY</u>			
Aliquot #4: Latitude: <u>33.55414836</u>	N Longitude	<u>86.80292101</u>	W
Media description: <u>BROWN SILTY CLAY WITH COAL FRAGMENTS</u>			
Aliquot #5: Latitude: <u>33.55419894</u>	N Longitude	<u>86.80292047</u>	W
Media description: <u>REDISH-BROWN SILTY CLAY</u>			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

Collection: Composite or Grab

MS/MSD? Y or N

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

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

(b) (6)

ADDRESS:

PROPERTY ID: FM-0271

DATE: 12/11/12

ARRIVAL TIME: 13:50

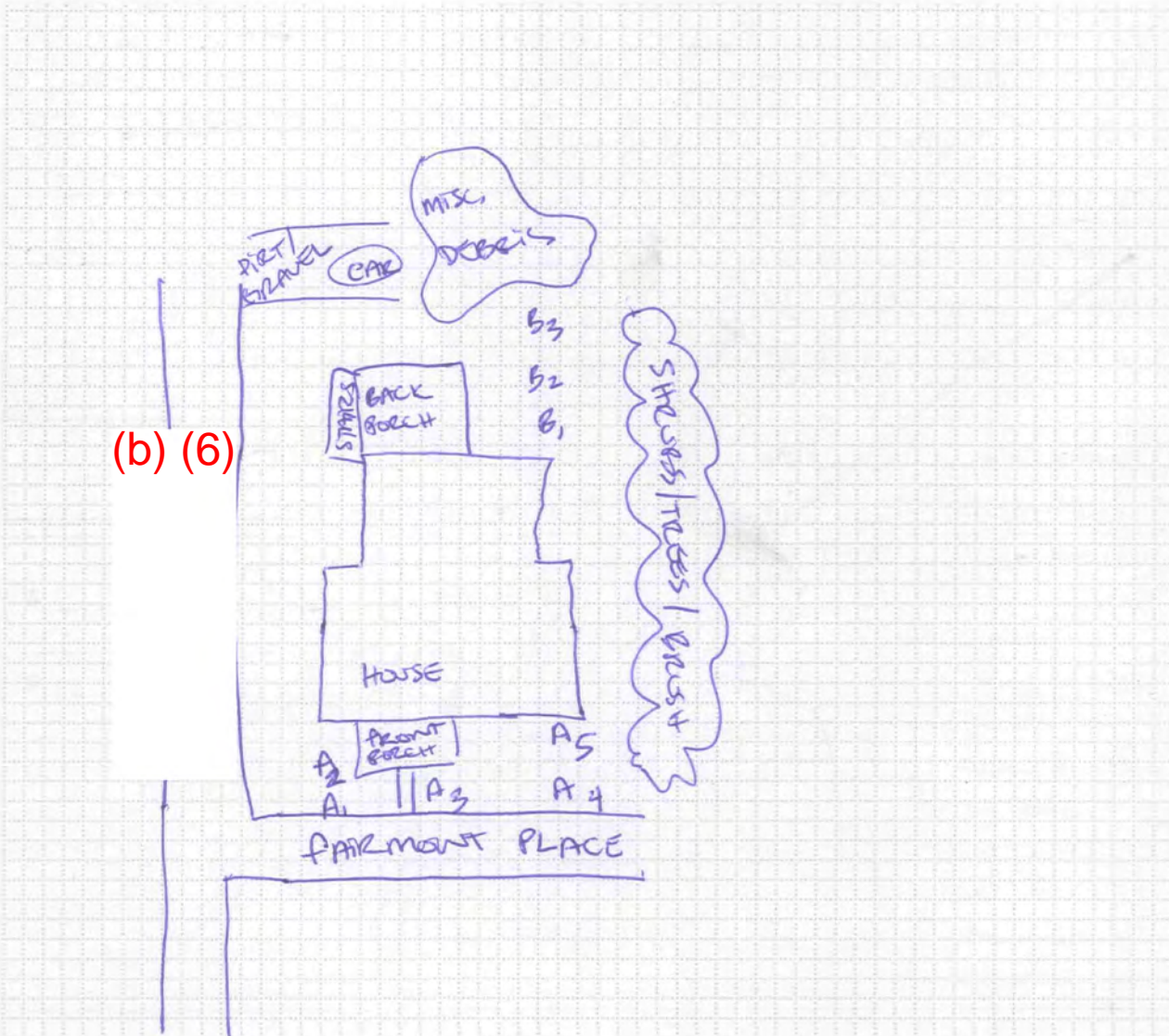
Other pertinent information (weather conditions, etc.):

41° F, PARTLY CLOUDY; NORTH WIND @ 8MPH

PROPERTY COMMENTS:

SIDE YARDS ARE TOO SMALL AND CLOSE TO THE HOUSE TO COLLECT SAMPLES

Grid for property sketch



STATION ID: FM-0271

SAMPLE ID: FM-0271A-CS

SAMPLE COLLECTION TIME: 14 25

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>018581</u>		Logged? <u>(Y)</u> or N	
Aliquot #1: Latitude: <u>33.56447959</u>	N Longitude <u>86.81372689</u>	W	
Media description: <u>dark brown silty clay</u>			
Aliquot #2 Latitude: <u>33.56446002</u>	N Longitude <u>86.81366770</u>	W	
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56442829</u>	N Longitude <u>86.81368986</u>	W	
Media description: <u>reddish brown / orange silty clay</u>			
Aliquot #4: Latitude: <u>33.56437430</u>	N Longitude <u>86.81372304</u>	W	
Media description: <u>brown silty clay</u>			
Aliquot #5: Latitude: <u>33.56435497</u>	N Longitude <u>86.81365278</u>	W	
Media description: <u>brown silty clay</u>			

clay

STATION ID: FM-0271

SAMPLE ID: FM-0271B-CS

SAMPLE COLLECTION TIME: 14:19

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 <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56434575</u>	N Longitude <u>86.81345393</u>	W	
Media description: <u>brown silty clay</u>			
Aliquot #2 Latitude: <u>33.56436932</u>	N Longitude <u>86.81342879</u>	W	
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56437439</u>	N Longitude <u>86.81340212</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: HP 0315

DATE: 12/11/12

ARRIVAL TIME: 1447

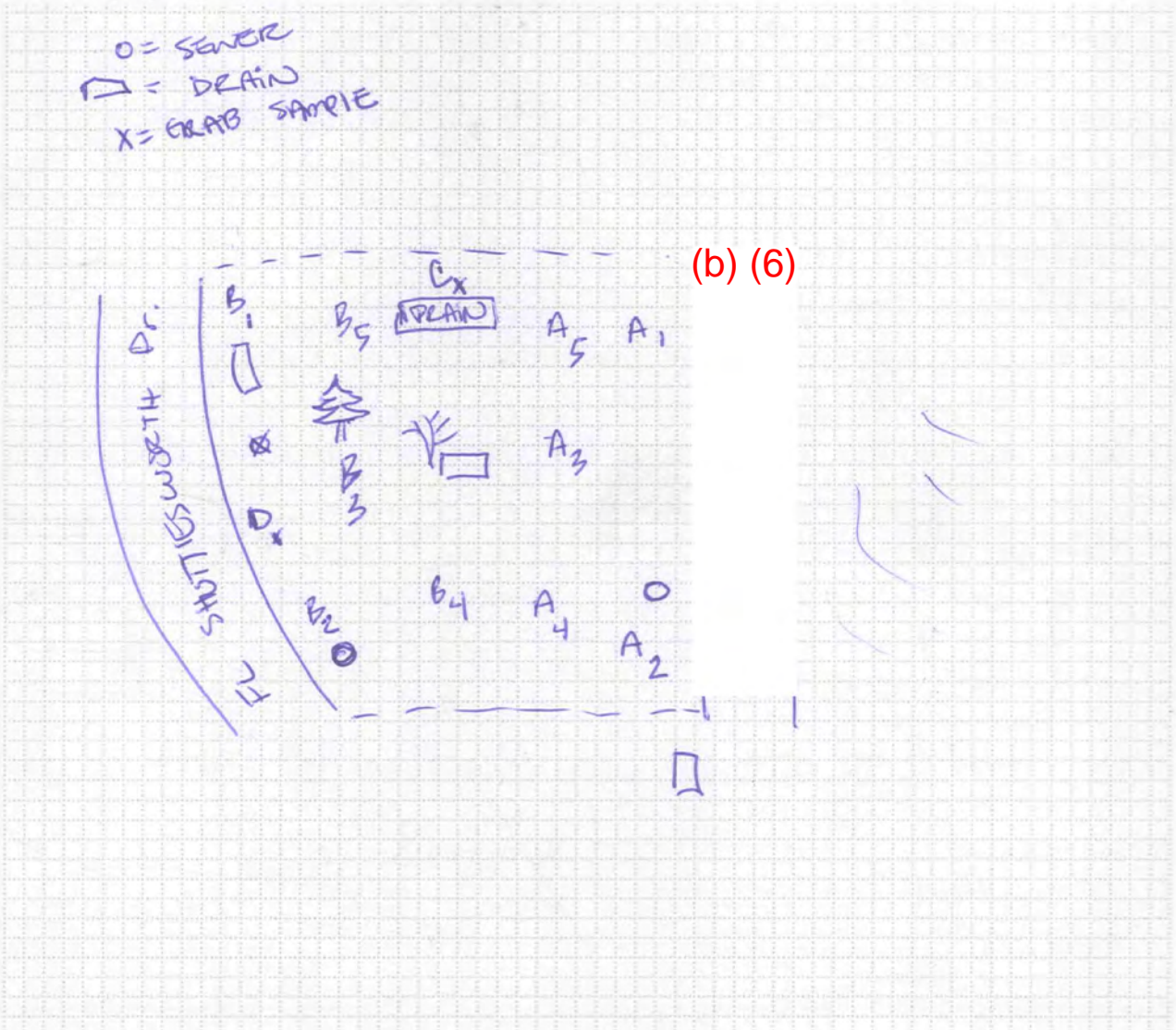
Other pertinent information (weather conditions, etc.):

41°F, PARTLY CLOUDY, WIND FROM NORTH @ 8 MPH

PROPERTY COMMENTS:

vacant parcel; city property

Grid for property sketch



STATION ID: HP0315

SAMPLE ID: HP0315A-CS

SAMPLE COLLECTION TIME: 1534

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

RIGHT SIDE FACING C

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>018581</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.5676591</u>	N Longitude: <u>86.79227679</u>	<u>237603</u> W
Media description: <u>BROWN SILTY CLAY WITH GRAVEL</u>		
Aliquot #2: Latitude: <u>33.56764089</u>	N Longitude: <u>86.79221217</u>	W
Media description: <u>DARK BROWN SILTY CLAY</u>		
Aliquot #3: Latitude: <u>33.56768080</u>	N Longitude: <u>86.79228697</u>	W
Media description: <u>ORANGE-TAN CLAY</u>		
Aliquot #4: Latitude: <u>33.56776211</u>	N Longitude: <u>86.79234847</u>	W
Media description: <u>BROWN SILTY CLAY WITH GRAVEL</u>		
Aliquot #5: Latitude: <u>33.56771784</u>	N Longitude: <u>86.79223200</u>	W
Media description: <u>BROWN SILTY CLAY WITH GRAVEL</u>		

STATION ID: HP0315

SAMPLE ID: HP0315B-CS

SAMPLE COLLECTION TIME: 1538

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

LEFT SIDE FACING C

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>018581</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.56792257</u>	N Longitude: <u>86.79222056</u>	W
Media description: <u>BROWN DAMP SOIL</u>		
Aliquot #2: Latitude: <u>33.56785763</u>	N Longitude: <u>86.79235078</u>	W
Media description: <u>BROWN DAMP SOIL</u>		
Aliquot #3: Latitude: <u>33.56781681</u>	N Longitude: <u>86.79229209</u>	W
Media description: <u>BROWN SOIL WITH GRAVEL</u>		
Aliquot #4: Latitude: <u>33.56778876</u>	N Longitude: <u>86.79236295</u>	W
Media description: <u>DARK BROWN SOIL WITH COAL</u>		
Aliquot #5: Latitude: <u>33.56775104</u>	N Longitude: <u>86.79224223</u>	W
Media description: <u>BROWN DAMP SOIL</u>		

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

PROPERTY ID: FD0315

DATE: 12/1/17

ARRIVAL TIME: 1447

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Refer to page 16

Grid for property sketch

Refer to page 16

STATION ID: HP 0315 SAMPLE ID: HP 0315 C-95

SAMPLE COLLECTION TIME: 1513

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>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56780001</u>	N Longitude: <u>86.79224981</u>		W
Media description: <u>brown silty clay damp</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: HP 0315 SAMPLE ID: HP 0315 D-95

SAMPLE COLLECTION TIME: 1509

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>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.56788795</u>	N Longitude: <u>86.79234152</u>		W
Media description: <u>black silty soil damp</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: _____			

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0109

DATE: 12/12/12 ARRIVAL TIME: 0850

Other pertinent information (weather conditions, etc.):

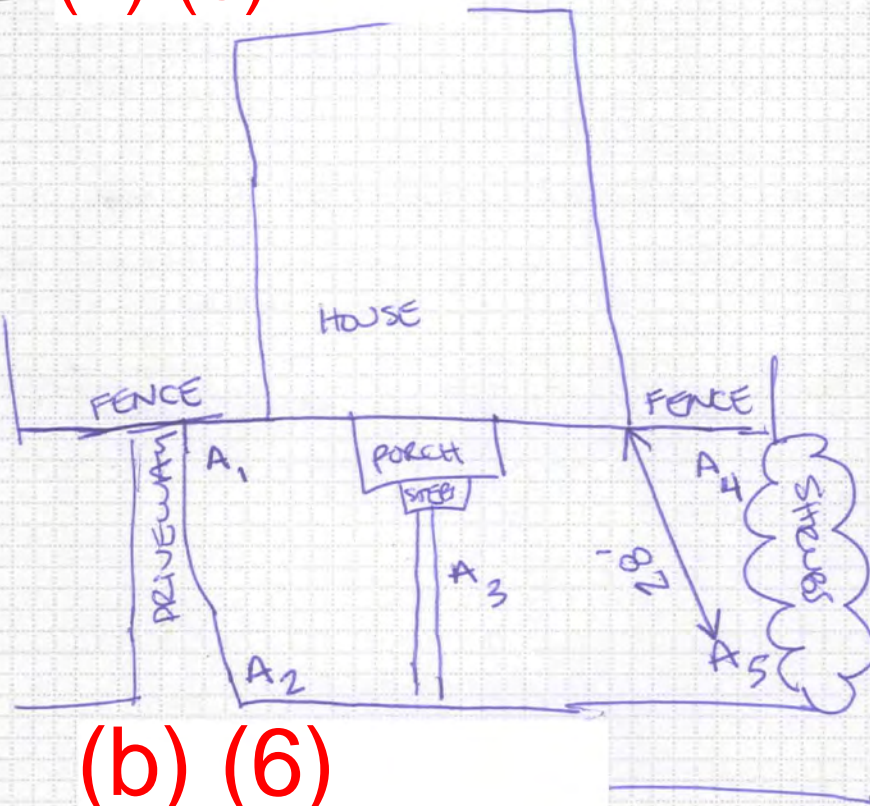
37°F PARTLY CLOUDY, WIND FROM NORTH 4 MPH

PROPERTY COMMENTS:

RESIDENT DID NOT RESPONDING TO KNOCK ON DOOR AND BOTH GATES ENCLOSING THE BACKYARD ARE LOCKED AND THEREFORE A SAMPLE COULD NOT BE COLLECTED IN THE BACK YARD.

Grid for property sketch

* ~~FRONT~~ FRONT YARD Sampled 12/12/12
BACK YARD Sampled 2/14/13 @ 1338
by (b) (6)



(b) (6)

LB ~~AM-0154~~
DB

LB ~~CV-0157~~

DB CV-0517

LB ~~CV-0507~~

(b) (6)

Team B

(b) (6)

14088 sqft

0.22 ac CVØ222 (1)

8324 sqft

.19 ac CVØ237 (2)

8500 sqft

.19 ac CVØ238 (4)

6978 sqft

.16 CVØ239 (3)



CV-0109B-CS-SP
located in
LB00048 & sampled
on 2/14/13

STATION ID: CV-0109

SAMPLE ID: CV-0109A-CS-SP

SAMPLE COLLECTION TIME: 09/12

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: CV-0109A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.5590606098</u>	N Longitude: <u>86.80505279</u>	W	
Media description: <u>DAMP SOIL WITH BITS OF RED/ORANGE CLAY</u>			
Aliquot #2: Latitude: <u>33.55906167</u>	N Longitude: <u>86.80500859</u>	W	
Media description: <u>DAMP SOIL</u>			
Aliquot #3: Latitude: <u>33.55910633</u>	N Longitude: <u>86.80503272</u>	W	
Media description: <u>DAMP SOIL</u>			
Aliquot #4: Latitude: <u>33.55914753</u>	N Longitude: <u>86.80505671</u>	W	
Media description: <u>DAMP SOIL WITH BITS OF WOOD</u>			
Aliquot #5: Latitude: <u>33.55914550</u>	N Longitude: <u>86.80500800</u>	W	
Media description: <u>DAMP SOIL WITH BITS OF WOOD</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: W-0507

DATE: 12/12/12

ARRIVAL TIME: 0944

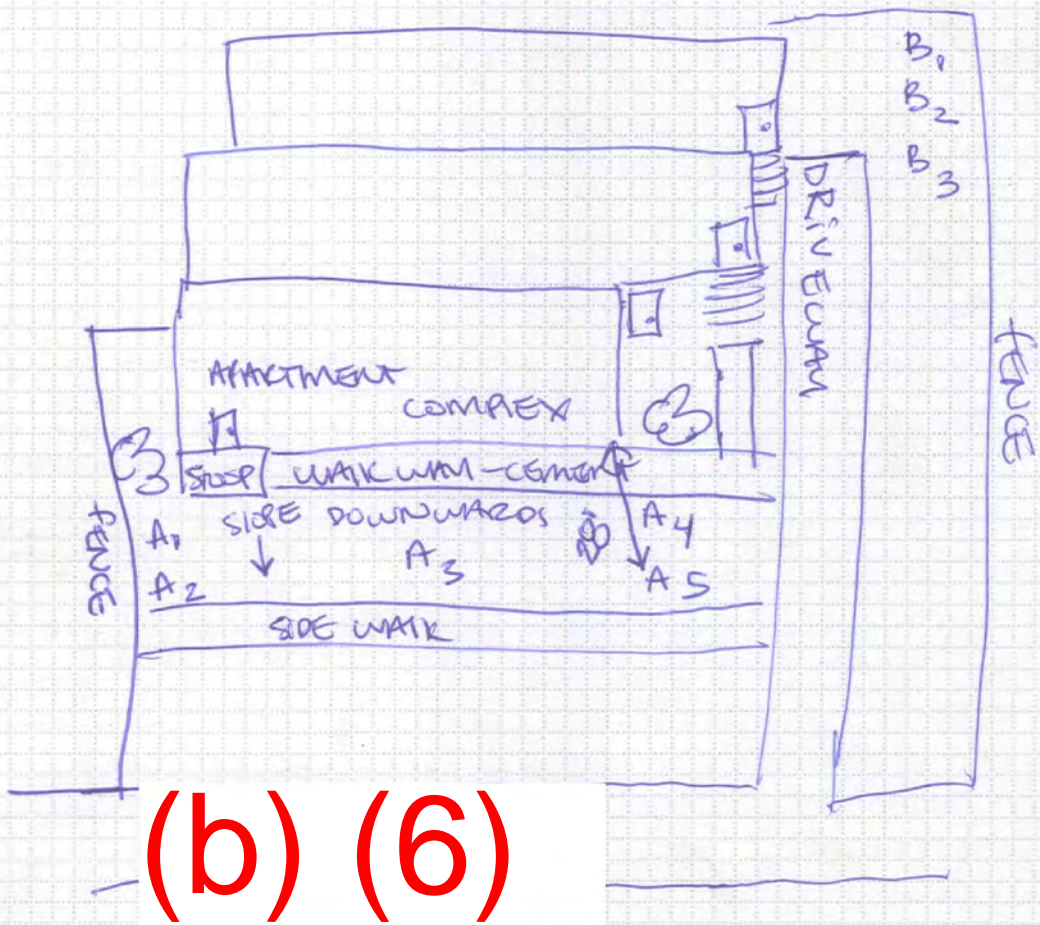
Other pertinent information (weather conditions, etc.):

Sunny @ 42°F

PROPERTY COMMENTS:

APARTMENT COMPLEX HAS A "FOR RENT" SIGN WITH PHONE NUMBER "328-4634" LISTED. THE FRONT YARD SLOPES FROM THE HOUSE DOWN TO THE SIDEWALK AND STREET.

Grid for property sketch



STATION ID: CV-0507

SAMPLE ID: CV-0507A-CS-SP

SAMPLE COLLECTION TIME: 1000

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

FRONT YARD

Collection: Composite or Grab

MS/MSD? Y or (N)

Field Duplicate or Split: (Yes) or No If yes, indicate Duplicate/split sample station ID: CV0507A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55651773</u>	N Longitude	<u>86.81747527</u>	W
Media description: <u>DAMP soil; silty soil brown</u>			
Aliquot #2 Latitude: <u>33.55647903</u>	N Longitude	<u>86.81745628</u>	W
Media description: <u>DAMP soil; same as #1</u>			
Aliquot #3: Latitude: <u>33.55652061</u>	N Longitude	<u>86.81744795</u>	W
Media description: <u>DAMP soil; same as #1</u>			
Aliquot #4: Latitude: <u>33.55654950</u>	N Longitude	<u>86.81740829</u>	W
Media description: <u>Bits of red-brown silty clay</u>			
Aliquot #5: Latitude: <u>33.55650698</u>	N Longitude	<u>86.81738737</u>	W
Media description: <u>SANDY soil & silty brown soil</u>			

STATION ID: CV-0507

SAMPLE ID: CV-0507B-CS-SP

SAMPLE COLLECTION TIME: 1011

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: CV0507B-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018581</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55662660</u>	N Longitude	<u>86.81738080</u>	W
Media description: <u>brown silty clay</u>			
Aliquot #3 Latitude: <u>33.55669204</u>	N Longitude	<u>86.81741133</u>	W
Media description: <u>same as #1</u>			
Aliquot #2 Latitude: <u>33.55655960</u>	N Longitude	<u>86.81739616</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: _____			

ADDRESS: (b) (6)

PROPERTY ID: HP-0241

DATE: 12/12/12

ARRIVAL TIME: 1032

Other pertinent information (weather conditions, etc.):

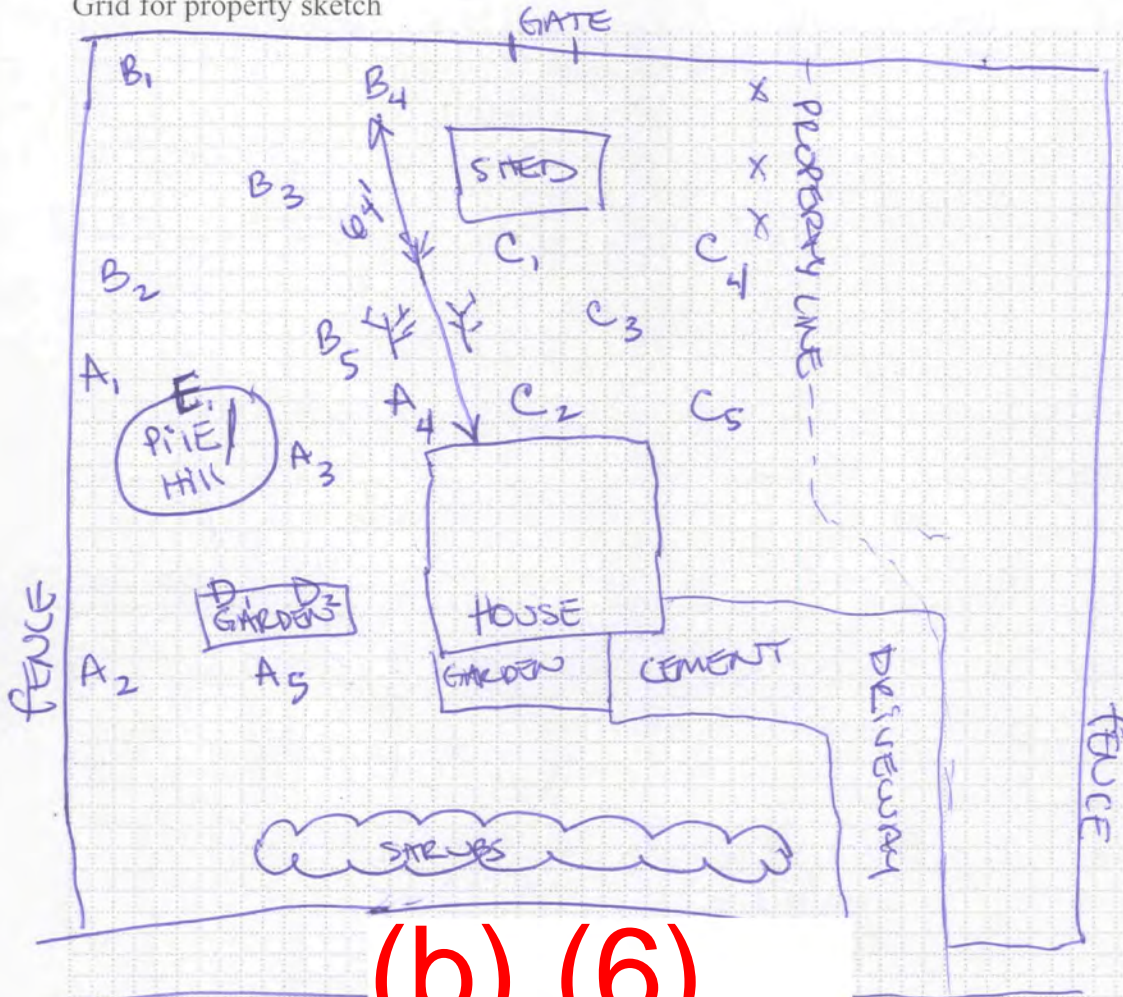
47°F, SUNNY, WIND FROM NNE @ 10 MPH

PROPERTY COMMENTS:

FRONT YARD NOT BIG ENOUGH TO SAMPLE.

THE SIDE YARD ALONG DRIVEWAY NOT LARGE ENOUGH TO SAMPLE EITHER.

Grid for property sketch



(b) (6)

STATION ID: HP-0241

SAMPLE ID: HP-0241A-CS-SR

SAMPLE COLLECTION TIME: 11:39

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: HP-0241A-CS-SR

GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: <u>33.56657533</u> N Longitude: <u>86.79146326</u> W	
Media description: <u>SILTY BROWN SOIL</u>	
Aliquot #2 Latitude: <u>33.56657314</u> N Longitude: <u>86.79146105</u> W	
Media description: <u>REDISH-BROWN SILTY CLAY</u>	
Aliquot #3: Latitude: <u>33.56648178</u> N Longitude: <u>86.79142610</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #4: Latitude: <u>33.56642920</u> N Longitude: <u>86.79137520</u> W	
Media description: <u>SAME AS #2</u>	
Aliquot #5: Latitude: <u>33.56644081</u> N Longitude: <u>86.79147150</u> W	
Media description: <u>SAME AS #1</u>	

STATION ID: HP-0241

SAMPLE ID: HP-0241B-CS-SR

SAMPLE COLLECTION TIME: 11:17

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: HP-0241B-CS-SR

GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: <u>33.56640788</u> N Longitude: <u>86.79147084</u> W	
Media description: <u>DARK BROWN SILTY SOIL WITH COAL FRAGMENTS</u>	
Aliquot #2 Latitude: <u>33.56641254</u> N Longitude: <u>86.79139629</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #3: Latitude: <u>33.56630264</u> N Longitude: <u>86.79141417</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #4: Latitude: <u>33.56625154</u> N Longitude: <u>86.79140409</u> W	
Media description: <u>SAME AS #1</u>	
Aliquot #5: Latitude: <u>33.56624226</u> N Longitude: <u>86.79146813</u> W	
Media description: <u>SAME AS #1</u>	

ADDRESS: (b) (6)

PROPERTY ID: HP-0241

DATE: 12/12/12

ARRIVAL TIME: 10:32

Other pertinent information (weather conditions, etc.):

47°F

PROPERTY COMMENTS:

SEE PAGE 24

Grid for property sketch

SEE PAGE 24

STATION ID: HP-0241

SAMPLE ID: HP-0241C-CS-SP

SAMPLE COLLECTION TIME: 11:22

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: HP-0241C-CS-SP

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56640784</u>	N Longitude	<u>86.79149714</u>	W
Media description: <u>DARK BROWN to BLACK SILTY SOIL WITH COAL FRAGMENTS</u>			
Aliquot #2 Latitude: <u>33.56641059</u>	N Longitude	<u>86.79156856</u>	W
Media description: <u>SAME AS ONE</u>			
Aliquot #3: Latitude: <u>33.56633960</u>	N Longitude	<u>86.79153152</u>	W
Media description: <u>SAME AS ONE</u>			
Aliquot #4: Latitude: <u>33.56627985</u>	N Longitude	<u>86.79149101</u>	W
Media description: <u>SAME AS ONE</u>			
Aliquot #5: Latitude: <u>33.56627645</u>	N Longitude	<u>86.79154566</u>	W
Media description: <u>SAME AS ONE</u>			

STATION ID: HP-0241

SAMPLE ID: HP-0241D-CS-SP

SAMPLE COLLECTION TIME: 11:41

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

GARDEN - APPEARS TO CONTAIN ROSEMARY

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP-0241D-CS-SP

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33.56656239</u>	N Longitude	<u>86.79146200</u>	W
Media description: <u>MUCH ON SURFACE of TAN WET CLAY</u>			
Aliquot #2 Latitude: <u>33.56655637</u>	N Longitude	<u>86.79143864</u>	W
Media description: <u>SAME AS #1</u>			
Aliquot #3: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude	_____	W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude	_____	W
Media description: _____			

(b) (6)

ADDRESS:

PROPERTY ID: HP-0241

DATE: 12/12/12

ARRIVAL TIME: 1032

Other pertinent information (weather conditions, etc.):

47°F

PROPERTY COMMENTS:

SEE PAGE 24

Grid for property sketch

SEE PAGE 24

STATION ID: HP-0241

SAMPLE ID: HP-0241E-GS-SP

SAMPLE COLLECTION TIME: 11:35

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

GRABS FROM HILL/PILE

Collection: ~~Composite~~ or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP-0241E-GS-SP

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: <u>33-56046038</u>	N Longitude <u>86-79140947</u>	W	
Media description: <u>CHUNKS OF COAL ON SURFACE & DARK CLAY UNDERNEATH</u>			
Aliquot #2 Latitude: _____	N Longitude <u>REDISH-BROWN</u>	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-0223

DATE:

12/12/12

ARRIVAL TIME:

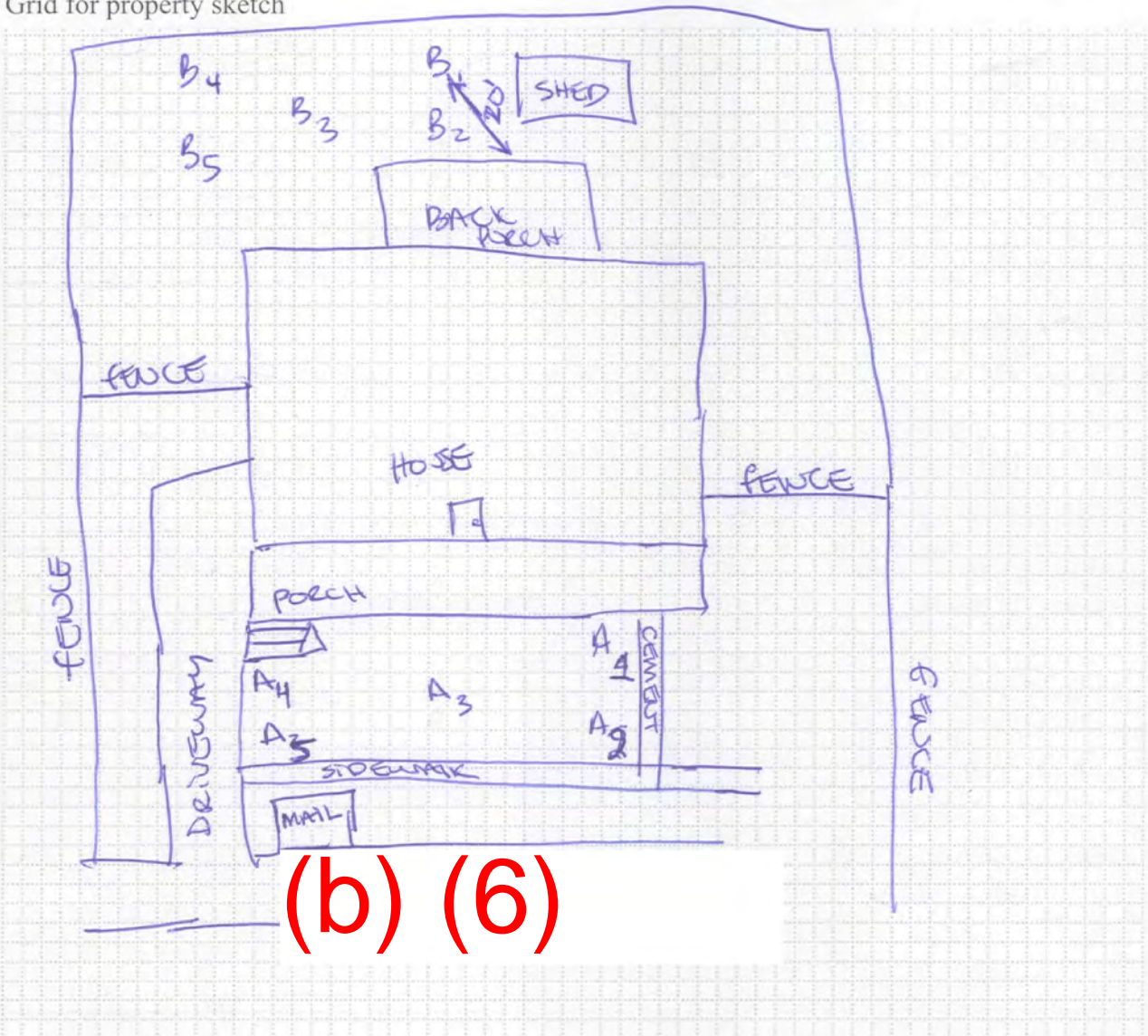
13:21

Other pertinent information (weather conditions, etc.):

53°F, PARTLY CLOUDY WIND NNE @ 7MPH

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV-0223

SAMPLE ID: CV-0223A-CS-SP

SAMPLE COLLECTION TIME: 13:59

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: CV-0223A-CS-SP

GPS Coordinates:	Trimble []	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55611202</u>	N Longitude	<u>86.80154518</u> W
Media description:	<u>BROWN SILTY SOIL WITH COAL</u>		
Aliquot #2 Latitude:	<u>33.55610610</u>	N Longitude	<u>86.80157895</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #3: Latitude:	<u>33.55613592</u>	N Longitude	<u>86.80156335</u> W
Media description:	<u>LIGHT BROWN SILTY SOIL WITH COAL</u>		
Aliquot #4: Latitude:	<u>33.55617051</u>	N Longitude	<u>86.80154722</u> W
Media description:	<u>SAME AS #1</u>		
Aliquot #5: Latitude:	<u>33.55617030</u>	N Longitude	<u>86.80158389</u> W
Media description:	<u>SAME AS #1</u>		

STATION ID: CV-0223

SAMPLE ID: CV-0223B-CS-SP

SAMPLE COLLECTION TIME: 1347

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: CV-0223B-CS-SP

GPS Coordinates:	Trimble []	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	<u>33.55612373</u>	N Longitude	<u>86.123557</u> W
Media description:	<u>dark brown/black silty soil with big ^{coal} fragments</u>		
Aliquot #2 Latitude:	<u>33.55613057</u>	N Longitude	<u>86.80130118</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.55616250</u>	N Longitude	<u>86.80126948</u> W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	<u>33.55619624</u>	N Longitude	<u>86.80124109</u> W
Media description:	<u>Same as #1</u>		
Aliquot #5: Latitude:	<u>33.55618785</u>	N Longitude	<u>86.80129620</u> W
Media description:	<u>brown silty soil damp + coal fragments</u>		

(b) (6)

ADDE

PROPERTY ID: CV0061

DATE: 12/13/12

ARRIVAL TIME: 0848

Other pertinent information (weather conditions, etc.):

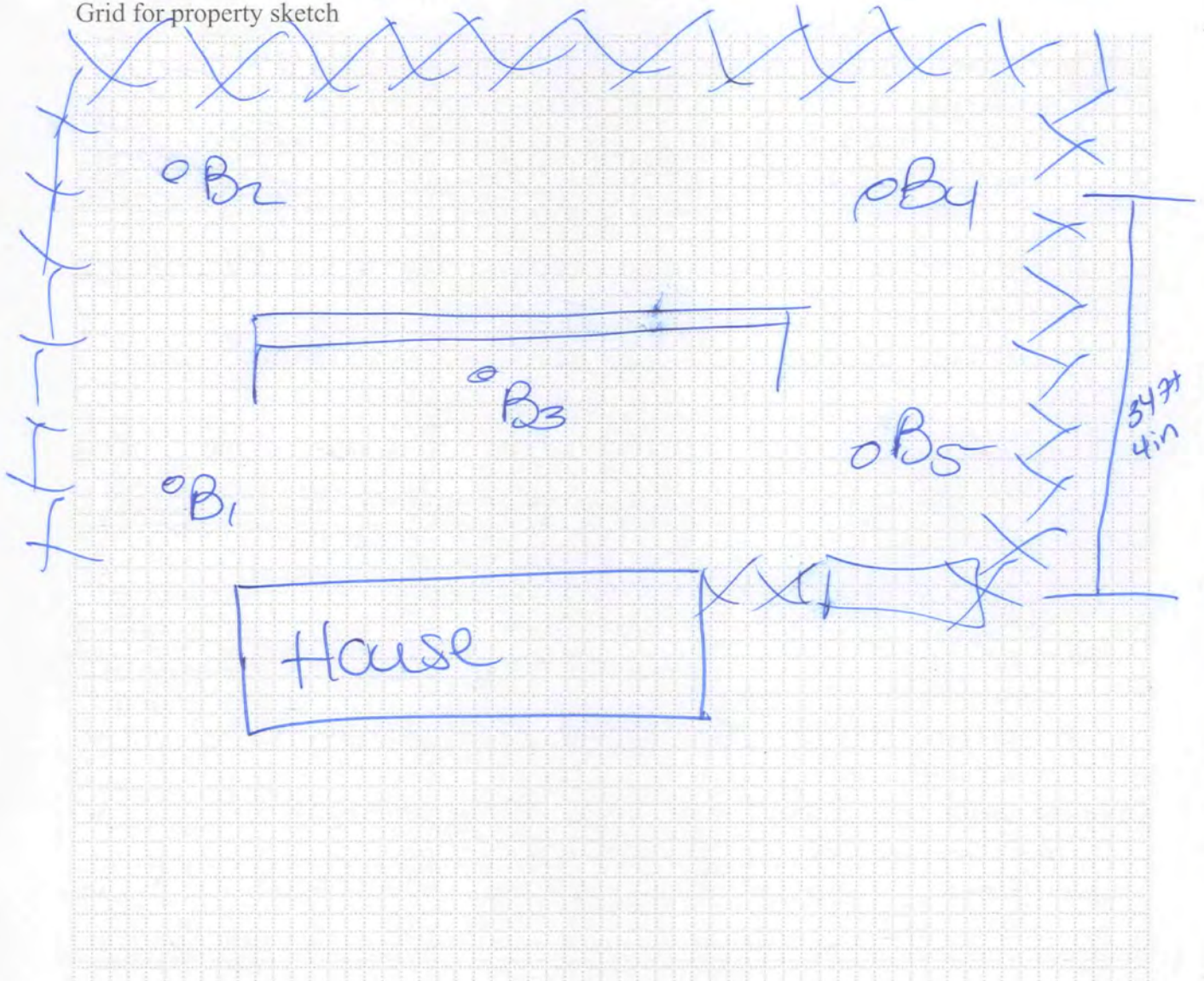
45°F, Sunny

PROPERTY COMMENTS:

Resident Home

previous sampled front yard; had to
unlock gate to sample back yard

Grid for property sketch



STATION ID: CV0061B SAMPLE ID: CV0061B-CS

SAMPLE COLLECTION TIME: 0901

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>018881</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55438143</u> N Longitude: <u>86.80300307</u> W Media description: <u>Dark brown silty clay damp</u>
Aliquot #2: Latitude: <u>33.55445046</u> N Longitude: <u>86.80300027</u> W Media description: <u>Dark brown silty clay damp</u>
Aliquot #3: Latitude: <u>33.55440922</u> N Longitude: <u>86.80295833</u> W Media description: <u>Dark brown silty clay damp</u>
Aliquot #4: Latitude: <u>33.55444878</u> N Longitude: <u>86.80291156</u> W Media description: <u>reddish brown clay damp</u>
Aliquot #5: Latitude: <u>33.55436811</u> N Longitude: <u>86.80291856</u> W Media description: <u>reddish brown clay damp</u>

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

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

(b) (6)

ADDRESS:

PROPERTY ID:

CV0256

DATE:

12/13/12

ARRIVAL TIME:

0939 0922

BB 12/13/12

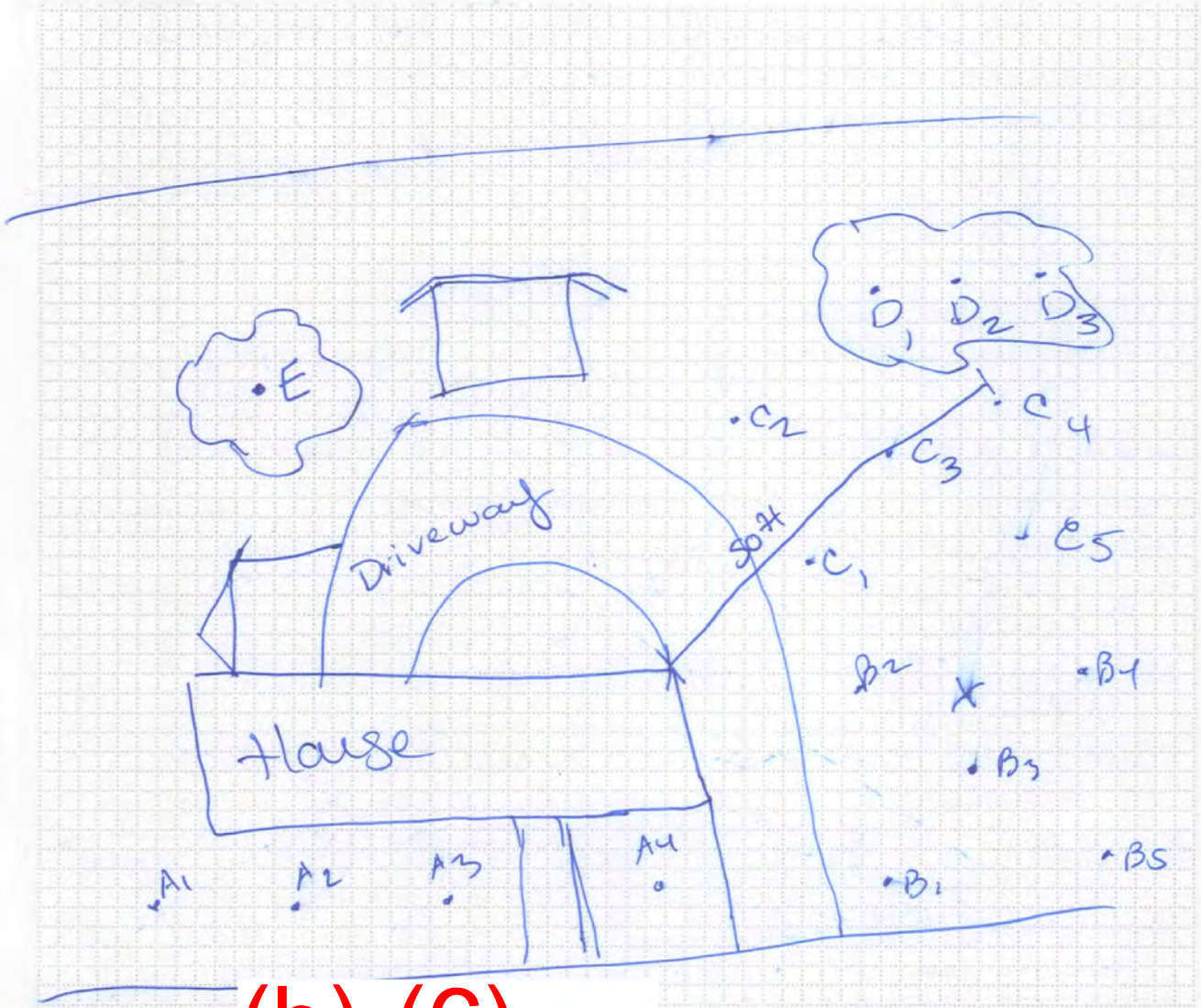
Other pertinent information (weather conditions, etc.):

45°F, Sunny

PROPERTY COMMENTS:

Resident Home

Grid for property sketch



(b) (6)

STATION ID: CV0256A

SAMPLE ID: CV0256A-CS

SAMPLE COLLECTION TIME: 0939

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>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55638604</u> N Longitude <u>86.80270061</u> W	
Media description: <u>Dark brown silty soil</u>	
Aliquot #2 Latitude: <u>33.55636097</u> N Longitude <u>86.80270389</u> W	
Media description: <u>Dark brown silty soil</u>	
Aliquot #3: Latitude: <u>33.55633817</u> N Longitude <u>86.80270184</u> W	
Media description: <u>Dark brown silty soil</u>	
Aliquot #4: Latitude: <u>33.55631354</u> N Longitude <u>86.80270222</u> W	
Media description: <u>Dark brown silty soil</u>	
Aliquot #5: Latitude: _____ N Longitude _____ W	
Media description: _____	

STATION ID: CV0256B

SAMPLE ID: CV0256B-CS

SAMPLE COLLECTION TIME: 0943

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>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55623775</u> N Longitude <u>86.80266904</u> W	
Media description: <u>Brown silty clay stained w/ coal fragments</u>	
Aliquot #2 Latitude: <u>33.55622768</u> N Longitude <u>86.80249060</u> W	
Media description: <u>Brown silty clay stained w/ coal fragments</u>	
Aliquot #3: Latitude: <u>33.55620652</u> N Longitude <u>86.80256725</u> W	
Media description: <u>Brown silty clay stained w/ coal fragments</u>	
Aliquot #4: Latitude: <u>33.55618310</u> N Longitude <u>86.80248897</u> W	
Media description: <u>Brown silty clay stained w/ coal fragments</u>	
Aliquot #5: Latitude: <u>33.55618507</u> N Longitude <u>86.80267735</u> W	
Media description: <u>Brown silty clay stained w/ coal fragments</u>	

→ #4 Brown silty clay stained w/ coal fragments

#5 Brown silty clay stained w/ coal fragments

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See page 34

BB 12/13/12

STATION ID: CV0256C SAMPLE ID: CV0256C-CS

SAMPLE COLLECTION TIME: 0945

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>018581</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55625433</u> N Longitude <u>86.80240839</u> W Media description: <u>Pack brown silty soil w/ coal fragments</u>
Aliquot #2: Latitude: <u>33.55624861</u> N Longitude <u>86.80229889</u> W Media description: <u>same as below ^{BB 12/13/12} above</u>
Aliquot #3: Latitude: <u>33.55622198</u> N Longitude <u>86.80236731</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55618839</u> N Longitude <u>86.80229810</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: 86.80241655 ^{BB 12/13/12} N Longitude <u>33.5 86.80241655</u> 33.55619629 Media description: <u>same as above</u>

STATION ID: CV0256 D SAMPLE ID: CV0256D-CS

SAMPLE COLLECTION TIME: 0948 ^{BB 12/13/12}

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>018581</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55617270</u> N Longitude <u>86.80229230</u> W Media description: <u>Brown silty soil w/ chunks of coal</u>
Aliquot #2: Latitude: <u>33.55615344</u> N Longitude <u>86.80228565</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55612990</u> N Longitude <u>86.80228317</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: <u>same as above</u> <u>BB 12/13/12</u>
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: <u>same as above</u> <u>12/13/12</u>

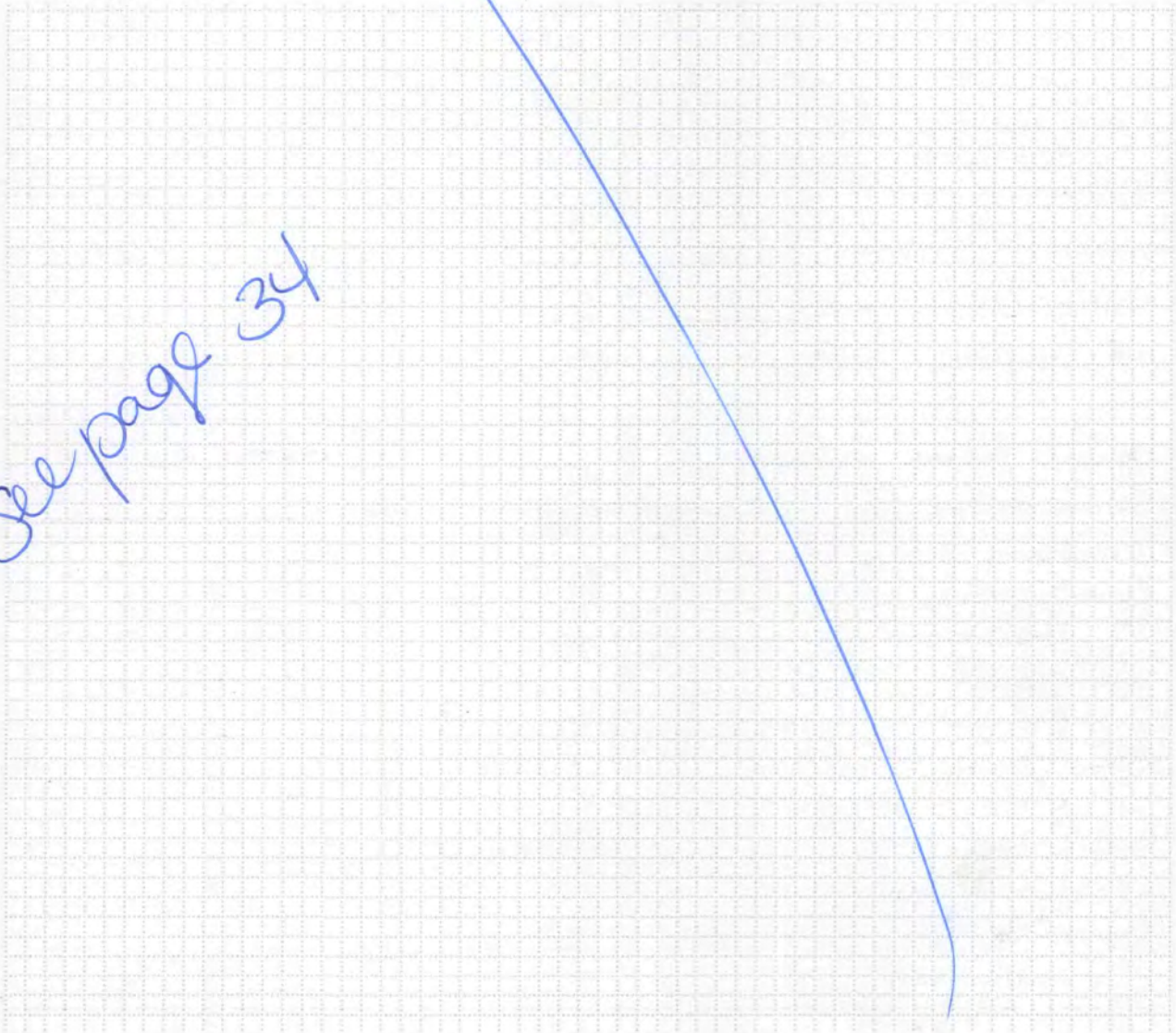
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



See page 34

STATION ID: C10256 E SAMPLE ID: C10256E-GS

SAMPLE COLLECTION TIME: 0950

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

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>018581</u> Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.55635779</u> N Longitude: <u>86.80227265</u> W Media description: <u>Black silty soil</u>
Aliquot #2: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #3: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #4: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W Media description: _____

~~STATION ID: _____ 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)

DATE: 12/13/12

PROPERTY ID: FM0199

ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):

45°F, grassy, overgrown, sunny

PROPERTY COMMENTS:

Lot

(b) (6)

with the attorney group

present + Jeff Crawley

grassy, overgrown

Grid for property sketch

• B3

• B2

• B1

Horse structure

• A5

• A4

• A3

• A2

• A1

(b) (6)

STATION ID: F1M0199A

SAMPLE ID: F1M0199A-CS-SP

SAMPLE COLLECTION TIME: 1100

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: F1M0199A

GPS Coordinates: Trimble [] Instrument #: 018581 Logged? Y or N

Aliquot #1: Latitude: 33.57030900 N Longitude 86.80503862 W

Media description: Dark brown silty clay damp w/ coal fragments

Aliquot #2 Latitude: 33.57030693 N Longitude 86.80506668 W

Media description: Dark brown silty clay damp w/ coal fragments

Aliquot #3: Latitude: 33.57030819 N Longitude 86.80510271 W

Media description: Dark brown silty clay damp w/ coal fragments

Aliquot #4: Latitude: 33.57030408 N Longitude 86.80513504 W

Media description: Dark brown silty clay damp w/ coal fragments

Aliquot #5: Latitude: 33.57030428 N Longitude 86.80516886 W

Media description: tan sandy clay stained damp w/ coal fragments

STATION ID: F1M0199B

SAMPLE ID: F1M0199B-CS-SP

SAMPLE COLLECTION TIME: 1046

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: F1M0199B

GPS Coordinates: Trimble [] Instrument #: 018581 Logged? Y or N

Aliquot #1: Latitude: 33.57032904 N Longitude 86.80518076 W

Media description: Damp silty soil dark brown w/ coal fragments

Aliquot #2 Latitude: 33.57036738 N Longitude 86.80519329 W

Media description: Damp silty soil dark brown w/ coal fragments

Aliquot #3: Latitude: 33.57038315 N Longitude 86.80521279 W

Media description: Damp silty soil dark brown w/ coal fragments

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID:

CV0266

DATE:

12/13/12

ARRIVAL TIME:

1223

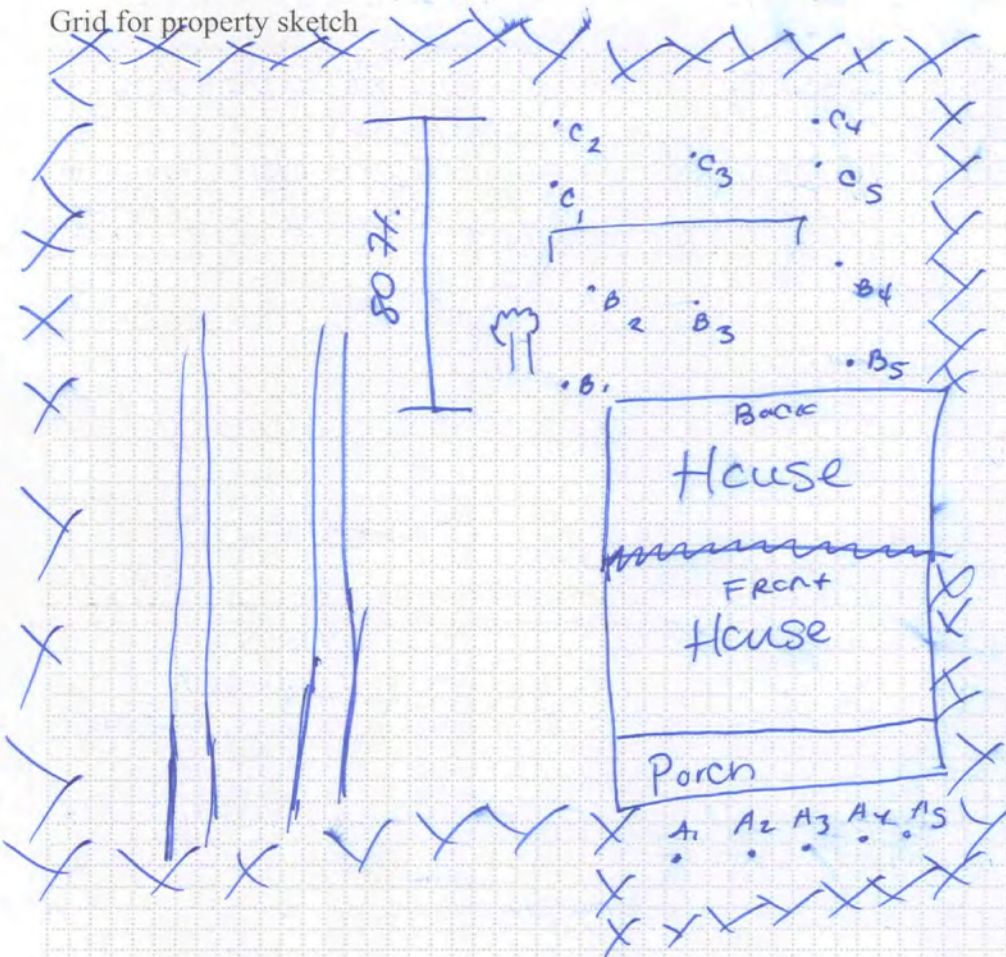
Other pertinent information (weather conditions, etc.):

55°F, Sunny

PROPERTY COMMENTS:

Resident home

Grid for property sketch



STATION ID: CVO266A SAMPLE ID: CVO266A-CS

SAMPLE COLLECTION TIME: 1250

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: CVO266A time 1255

GPS Coordinates: Trimble [] Instrument #: 018581 Logged? Y or N

Aliquot #1: Latitude: 33.55759129 N Longitude 86.80314604 W

Media description: Brown silty soil damp

Aliquot #2 Latitude: 33.5576010 N Longitude 86.80314205 W

Media description: Brown silty soil damp

Aliquot #3: Latitude: 33.55761819 N Longitude 86.80314362 W

Media description: Brown silty soil damp

Aliquot #4: Latitude: 33.55763101 N Longitude 86.80314400 W

Media description: Brown silty soil damp

Aliquot #5: Latitude: 33.55764774 N Longitude 86.80313879 W

Media description: Brown silty soil damp

STATION ID: CVO266B SAMPLE ID: CVO266B-CS

SAMPLE COLLECTION TIME: 1312

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: No or Yes If yes, indicate Duplicate/split sample station ID: 083121312

GPS Coordinates: Trimble [] Instrument #: 018581 Logged? Y or N

Aliquot #1: Latitude: 33.55756194 N Longitude 86.80333348 W

Media description: Dark brown to black silty soil w/ coal fragments

Aliquot #2 Latitude: 33.55755258 N Longitude 86.80344018 W

Media description: Dark brown to black silty soil w/ coal fragments

Aliquot #3: Latitude: 33.55760496 N Longitude 86.80339989 W

Media description: Dark brown to black silty soil w/ coal fragments

Aliquot #4: Latitude: 33.55763916 N Longitude 86.80345130 W

Media description: Dark brown to black silty soil w/ coal fragments

Aliquot #5: Latitude: 33.55763989 N Longitude 86.80333450 W

Media description: Dark brown to black silty soil w/ coal fragments

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

BB 12/13/12

See page 42

STATION ID: CV0266C SAMPLE ID: CV0266C-CS

SAMPLE COLLECTION TIME: 1309

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>018581</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55756141</u> N Longitude <u>86.80347782</u> W Media description: <u>Dark brown silty soil w/ coal fragments</u>
Aliquot #2 Latitude: <u>33.55756635</u> N Longitude <u>86.80357582</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55760057</u> N Longitude <u>86.80350903</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55765022</u> N Longitude <u>86.80357829</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55763962</u> N Longitude <u>86.80347931</u> W Media description: <u>same as above</u>

STATION ID: CV0266 BB12/13/12 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:

CV0621

DATE: 12/13/12

ARRIVAL TIME:

1322

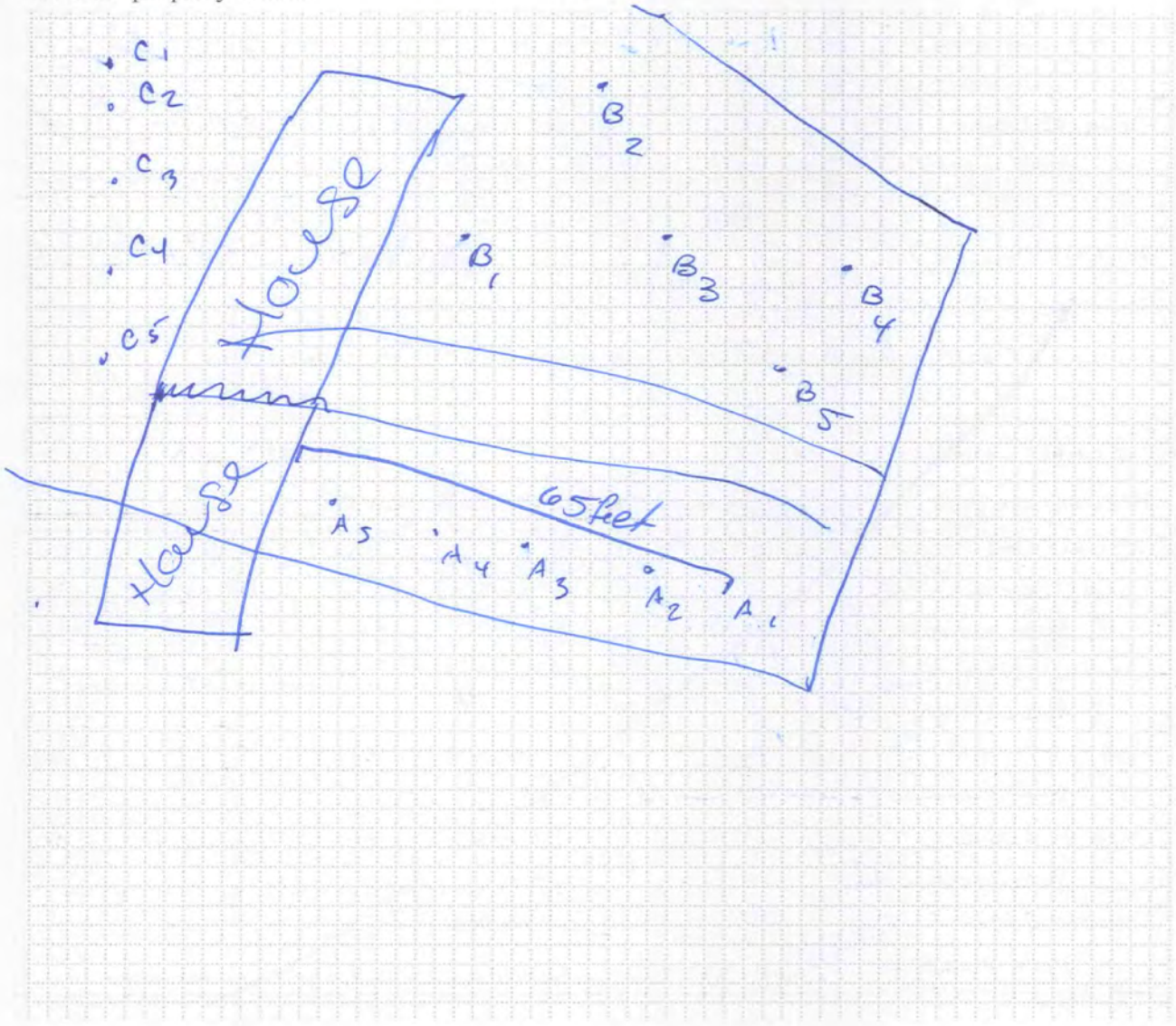
Other pertinent information (weather conditions, etc.):

55°F Sunny

PROPERTY COMMENTS:

Resident Home

Grid for property sketch



STATION ID: CV0621A

SAMPLE ID: CV0621A-CS

SAMPLE COLLECTION TIME: 1350

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>018581</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55739718</u> N Longitude: <u>86.80335212</u> W	
Media description: <u>Brown silty clay</u>	
Aliquot #2: Latitude: <u>33.55739640</u> N Longitude: <u>86.80338050</u> W	
Media description: <u>Brown silty clay</u>	
Aliquot #3: Latitude: <u>33.55739504</u> N Longitude: <u>86.80340803</u> W	
Media description: <u>Brown silty clay</u>	
Aliquot #4: Latitude: <u>33.55739836</u> N Longitude: <u>86.80343352</u> W	
Media description: <u>Brown silty clay</u>	
Aliquot #5: Latitude: <u>33.55739744</u> N Longitude: <u>86.80346136</u> W	
Media description: <u>Brown silty clay</u>	

STATION ID: CV0621B

SAMPLE ID: CV0621B-CS

SAMPLE COLLECTION TIME: 1358

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 #: _____	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55751344</u> N Longitude: <u>86.80333037</u> W	
Media description: <u>Brown silty soil</u>	
Aliquot #2: Latitude: <u>33.55751133</u> N Longitude: <u>86.80319437</u> W	
Media description: <u>Brown silty soil</u>	
Aliquot #3: Latitude: <u>33.55748138</u> N Longitude: <u>86.80327273</u> W	
Media description: <u>Brown silty soil</u>	
Aliquot #4: Latitude: <u>33.55745259</u> N Longitude: <u>86.80321068</u> W	
Media description: <u>Brown silty soil</u>	
Aliquot #5: Latitude: <u>86.80333017</u> ^{33.5574492} N Longitude: <u>86.80333017</u> W	
Media description: <u>Brown silty soil</u>	

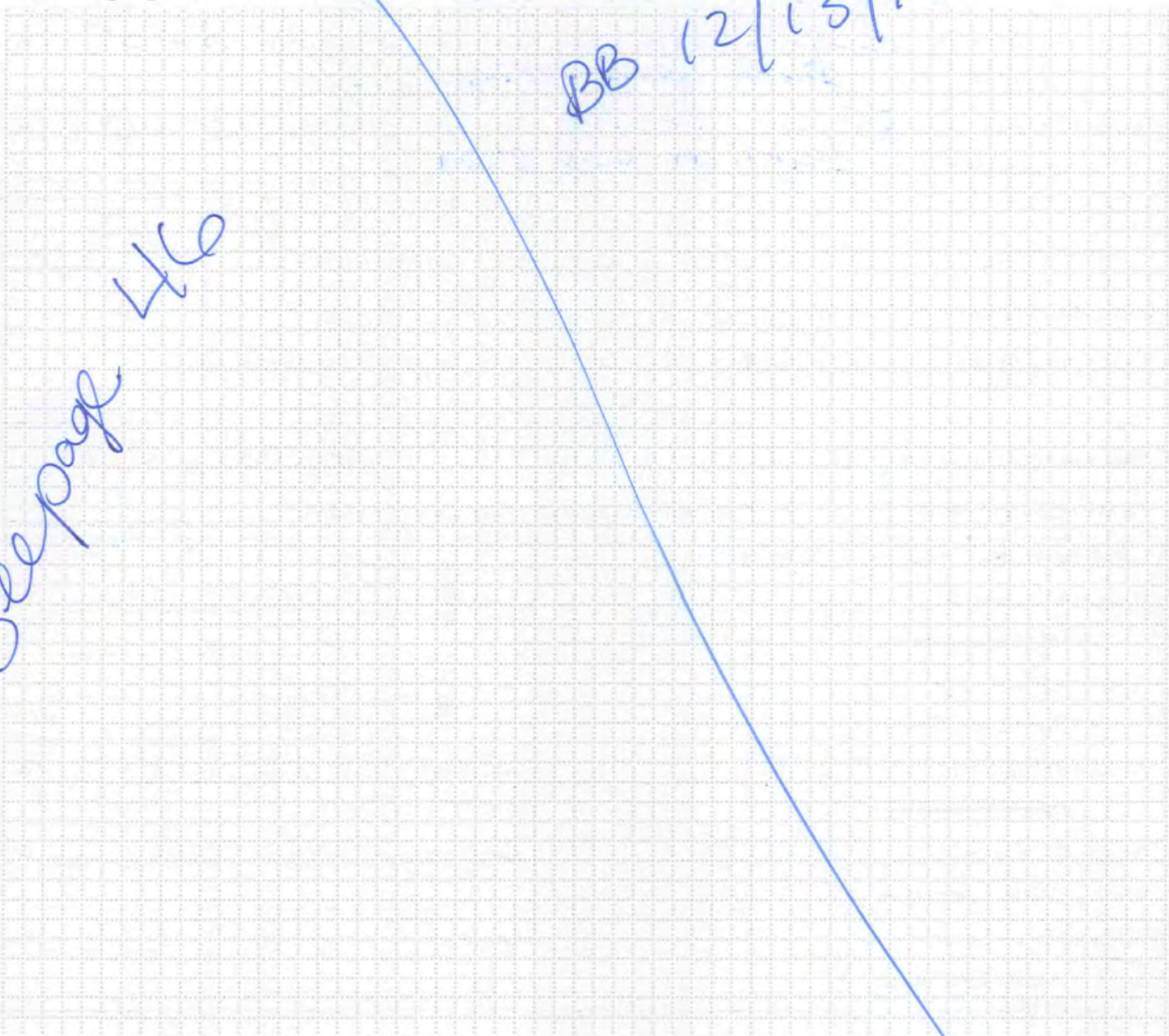
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0621C SAMPLE ID: CV0621C-CS

SAMPLE COLLECTION TIME: 1340

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

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0621C 1348

GPS Coordinates: Trimble [✓] Instrument #: 018581 Logged? Y or N

Aliquot #1: Latitude: 33.55753854 N Longitude 86.80356651 W

Media description: Dark brown silty soil

Aliquot #2 Latitude: 33.55751141 N Longitude 86.80356433 W

Media description: Dark brown silty soil

Aliquot #3: Latitude: 33.55749904 N Longitude 86.80357605 W

Media description: Dark brown silty soil

Aliquot #4: Latitude: 33.55747283 N Longitude 86.80357469 W

Media description: Dark brown silty soil

Aliquot #5: Latitude: 33.55744464 N Longitude 86.80357634 W

Media description: Dark brown silty soil

~~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:

CV0510

DATE:

12/13/12

ARRIVAL TIME:

1403

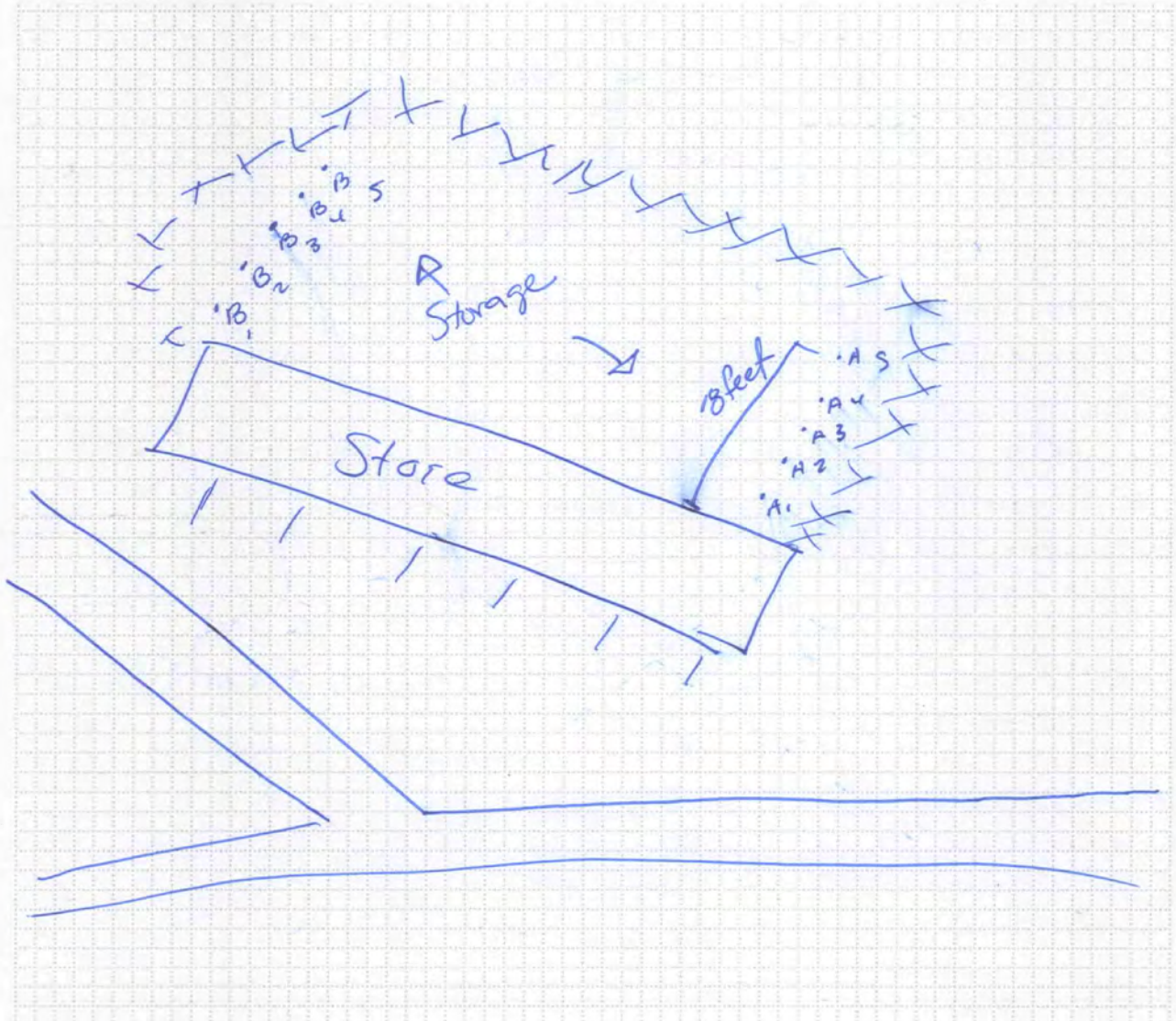
Other pertinent information (weather conditions, etc.):

55°F, Sunny

PROPERTY COMMENTS:

Store (Commercial)

Grid for property sketch



STATION ID: CVOS10A SAMPLE ID: CVOS10A-CS

SAMPLE COLLECTION TIME: 1426

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>018581</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55720942</u> N Longitude: <u>86.80364656</u> W Media description: <u>Dark brown silty soil w/ coal</u>
Aliquot #2: Latitude: 33.55726037 ^{33.55723318} N Longitude: 86.80365167 ^{86.80365409} W ^{BB 12/13/12} Media description: <u>same as above</u>
Aliquot #3: Latitude: 33.55727613 ^{33.55726037} N Longitude: 86.80365321 ^{86.80365167} W ^{BB 12/13/12} Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55727613</u> N Longitude: <u>86.80365321</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55730187</u> N Longitude: <u>86.80365026</u> W Media description: <u>same as above</u>

STATION ID: CVOS10B SAMPLE ID: CVOS10B-CS

SAMPLE COLLECTION TIME: 1421

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>018581</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55719723</u> N Longitude: <u>86.80387348</u> W Media description: <u>Dark brown silty soil w/ coal</u>
Aliquot #2: Latitude: <u>33.55722205</u> N Longitude: <u>86.80387605</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55724946</u> N Longitude: <u>86.80387203</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55727843</u> N Longitude: <u>86.80387426</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55730380</u> N Longitude: <u>86.80387452</u> W Media description: <u>same as above</u>

(b) (6)

ADDRESS: _____ PROPERTY ID: CV-0550

DATE: 12/14/12 ARRIVAL TIME: 0825

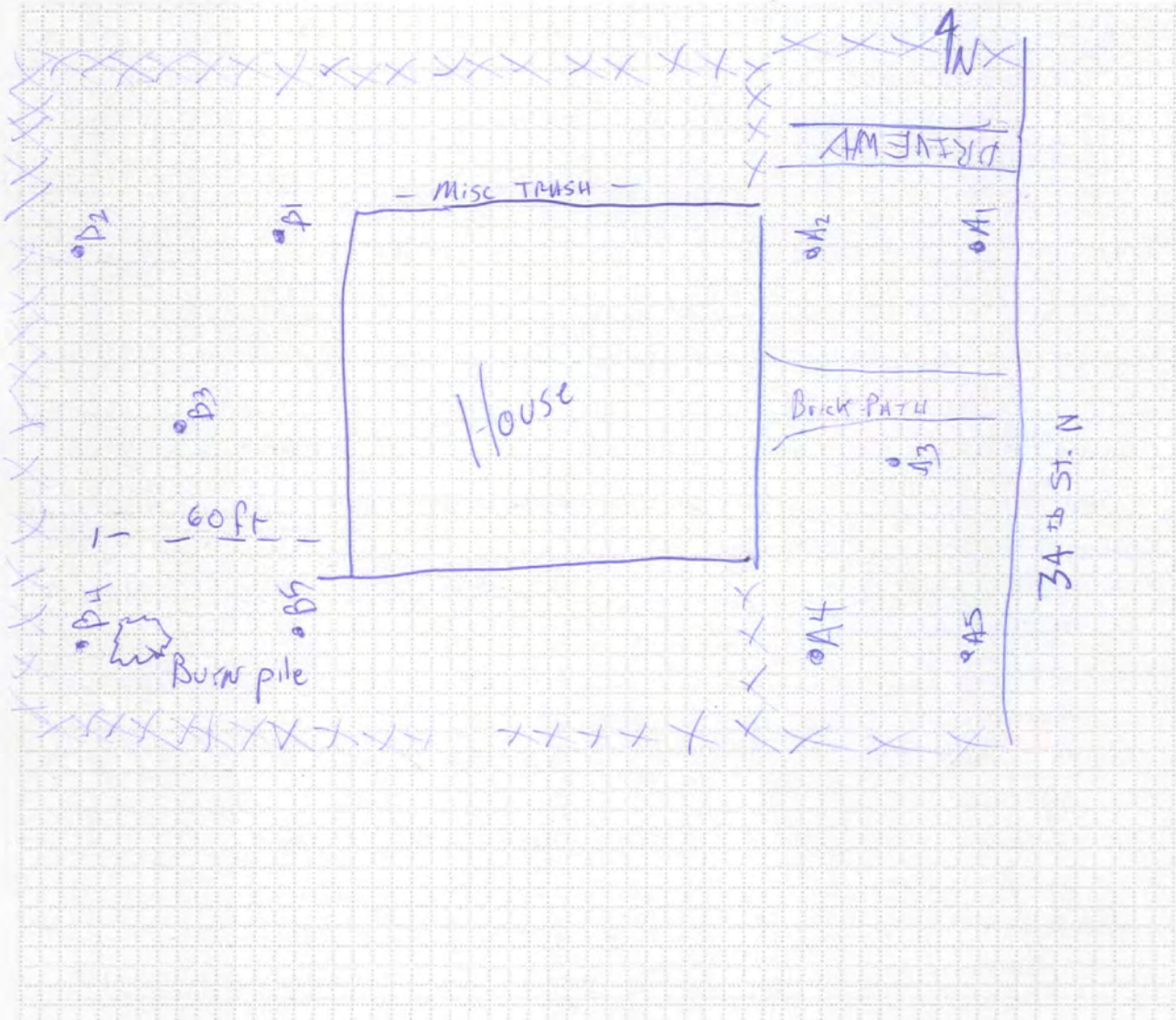
Other pertinent information (weather conditions, etc.):

Weather clear, low 40s

PROPERTY COMMENTS:

House on lot with fenced in BACK yard.

Grid for property sketch



STATION ID: CV0550

SAMPLE ID: CV0550A

SAMPLE COLLECTION TIME: 0903

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>018581</u> Logged? <u>(Y)</u> or N			
Aliquot #1: Latitude: <u>33.55585220</u>	N Longitude <u>86.79846989</u>		W
Media description: <u>DARK BROWN silty clay</u>			
Aliquot #2 Latitude: <u>33.55585422</u>	N Longitude <u>86.79850441</u>		W
Media description: <u>DARK BROWN silty clay</u>			
Aliquot #3: Latitude: <u>33.55581579</u>	N Longitude <u>86.79848972</u>		W
Media description: <u>DARK BROWN silty clay</u>			
Aliquot #4: Latitude: <u>33.55577800</u>	N Longitude <u>86.79851084</u>		W
Media description: <u>DARK BROWN silty clay</u>			
Aliquot #5: Latitude: <u>33.55577862</u>	N Longitude <u>86.79846649</u>		W
Media description: <u>DARK BROWN silty clay</u>			

STATION ID: CV0550

SAMPLE ID: CV0550B

SAMPLE COLLECTION TIME: 0847

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>018581</u> Logged? <u>(Y)</u> or N			
Aliquot #1: Latitude: <u>33.55587359</u>	N Longitude <u>86.79872978</u>		W
Media description: <u>DARK BROWN silty soil</u>			
Aliquot #2 Latitude: <u>33.55587353</u>	N Longitude <u>86.79885462</u>		W
Media description: <u>DARK BROWN silty soil</u>			
Aliquot #3: Latitude: <u>33.55583093</u>	N Longitude <u>86.79879411</u>		W
Media description: <u>DARK BROWN silty soil</u>			
Aliquot #4: Latitude: <u>33.55579941</u>	N Longitude <u>86.79885013</u>		W
Media description: <u>DARK BROWN silty soil</u>			
Aliquot #5: Latitude: <u>33.55581213</u>	N Longitude <u>86.79872301</u>		W
Media description: <u>DARK BROWN silty soil</u>			

ADDRESS: **(b) (6)** _____ PROPERTY ID: FM-0251

DATE: 12/14/12 _____ ARRIVAL TIME: 0925 _____

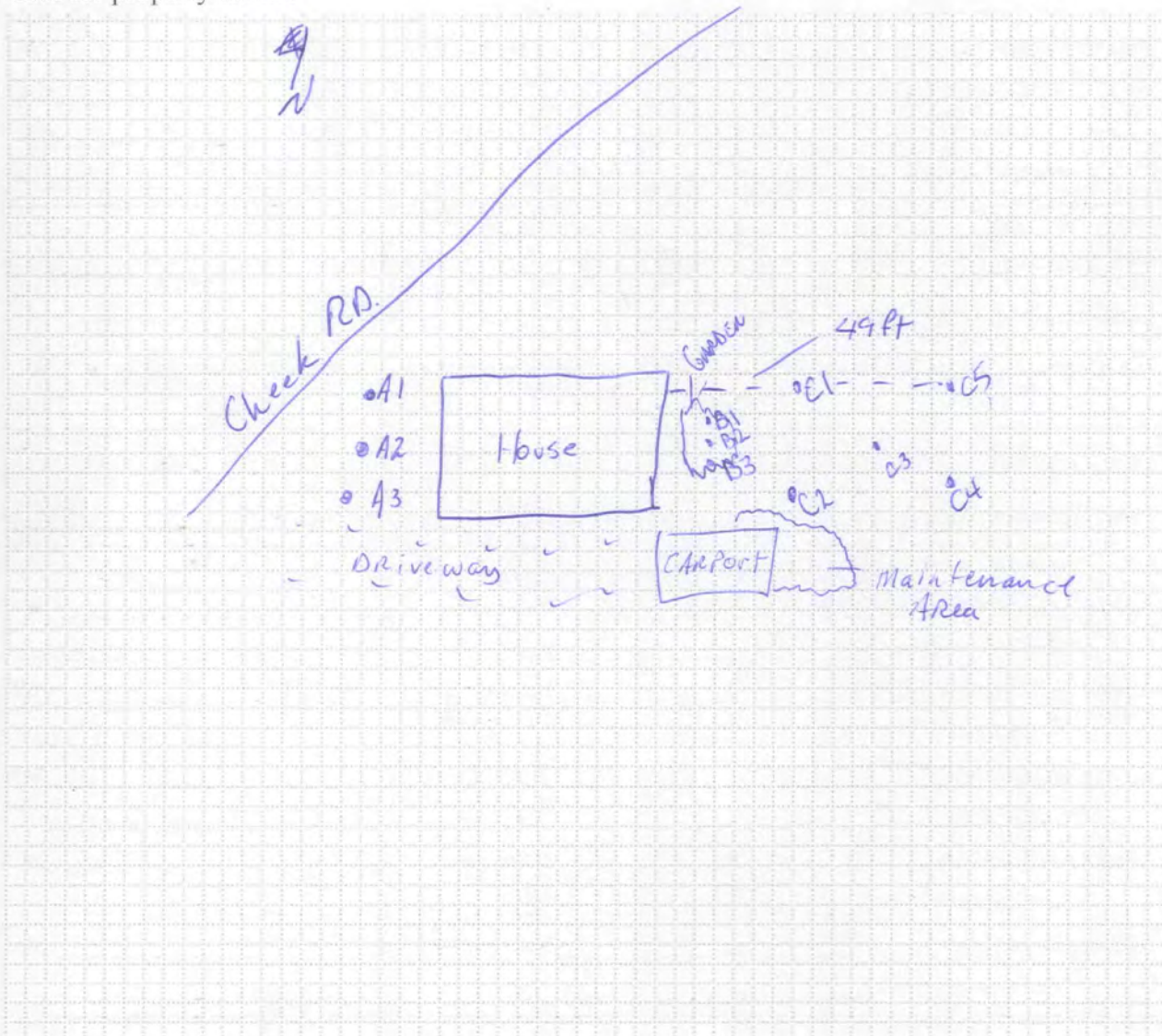
Other pertinent information (weather conditions, etc.):

Weather clear, mid 40s

PROPERTY COMMENTS:

House on open lot. Small engine maintenance shop (lawn mowers, weed eaters, ect) located upslope of "B" and "C" locations in back yard.

Grid for property sketch



STATION ID: FM0251 SAMPLE ID: FM0251A

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>018581</u> Logged? <u>Y</u> or N			
Aliquot #1: Latitude: <u>33.57005410</u>	N Longitude <u>86.80746343</u>		W
Media description: <u>Brown silty soil with coal fragments</u>			
Aliquot #2 Latitude: <u>33.57003262</u>	N Longitude <u>86.80746848</u>		W
Media description: <u>Brown silty soil with coal fragments</u>			
Aliquot #3: Latitude: <u>33.5700972</u>	N Longitude <u>86.80747570</u>		W
Media description: <u>Brown silty soil with coal fragments</u>			
Aliquot #4: Latitude: _____	N Longitude _____		W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude _____		W
Media description: _____			

STATION ID: FM0251 SAMPLE ID: FM0251B

SAMPLE COLLECTION TIME: 1000

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

GARDEN

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>018581</u> Logged? <u>Y</u> or N			
Aliquot #1: Latitude: <u>33.57001291</u>	N Longitude <u>86.80726707</u>		W
Media description: <u>DARK BROWN moist silty soil</u>			
Aliquot #2 Latitude: <u>33.57006321</u>	N Longitude <u>86.80726267</u>		W
Media description: <u>DARK BROWN moist silty soil</u>			
Aliquot #3: Latitude: <u>33.56999833</u>	N Longitude <u>86.80725750</u>		W
Media description: <u>DARK BROWN moist silty soil</u>			
Aliquot #4: Latitude: _____	N Longitude _____		W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude _____		W
Media description: _____			

ADDRESS: **(b) (6)** PROPERTY ID: FMO251

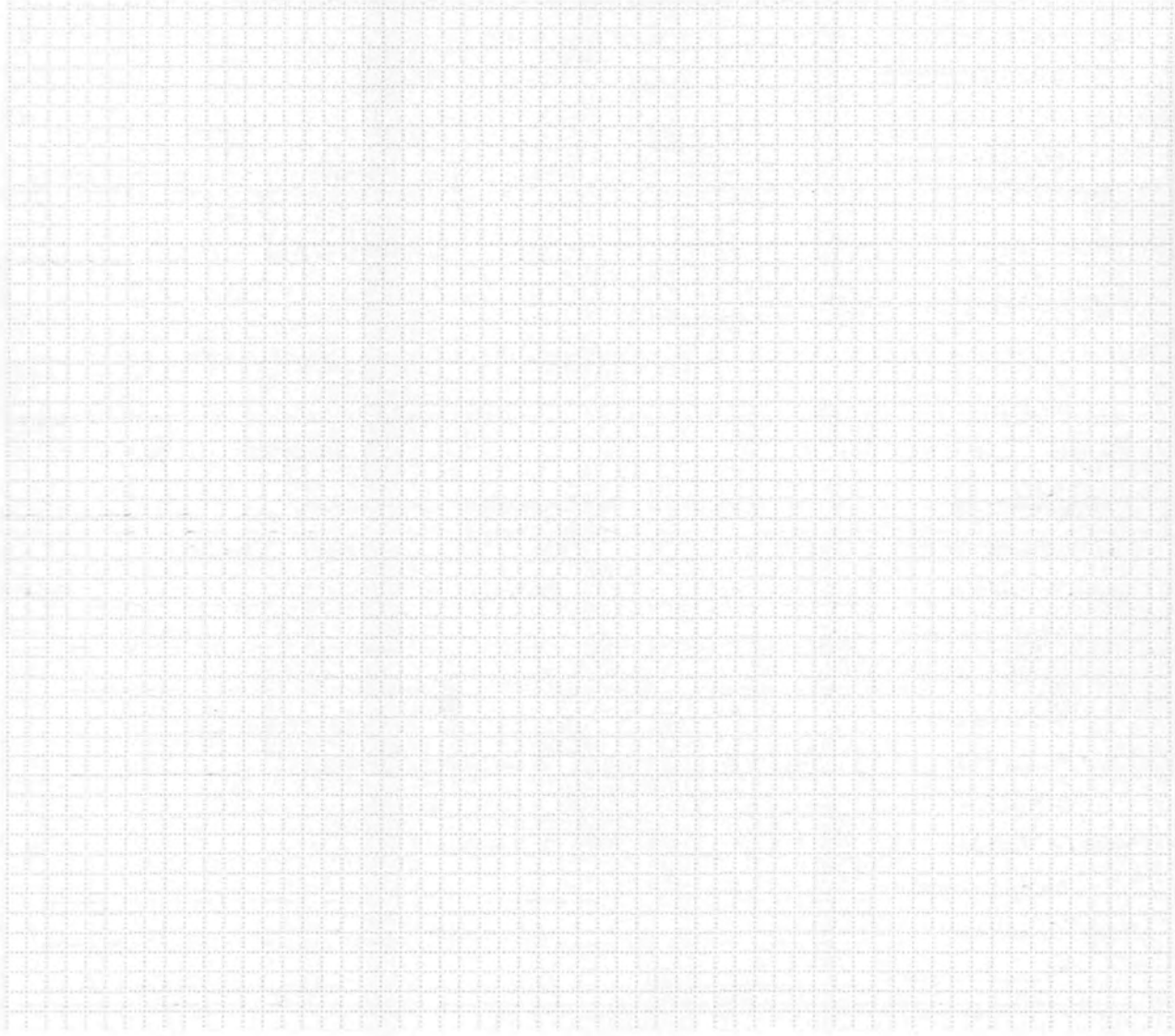
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE Page 54

Grid for property sketch



STATION ID: FM0251 SAMPLE ID: FM0251C

SAMPLE COLLECTION TIME: 1005

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>018581</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.57002973</u>	N Longitude: <u>86.80722903</u>	W	
Media description: 33.57002973 <u>Damp brown silty soil</u>			
Aliquot #2: Latitude: <u>33.57000078</u>	N Longitude: <u>86.80722990</u>	W	
Media description: <u>Damp brown silty soil</u>			
Aliquot #3: Latitude: <u>33.57000722</u>	N Longitude: <u>86.80718124</u>	W	
Media description: <u>Damp brown silty soil</u>			
Aliquot #4: Latitude: <u>33.56998833</u>	N Longitude: <u>86.80714467</u>	W	
Media description: <u>Black silty soil with coal fragments</u>			
Aliquot #5: Latitude: <u>33.57003069</u>	N Longitude: <u>86.80714033</u>	W	
Media description: <u>Black silty soil with coal fragments</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: _____		

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