

**REDACTED**

United States Environmental Protection Agency  
Region 4



35<sup>TH</sup> AVENUE REMOVAL INVESTIGATION  
BIRMINGHAM, ALABAMA  
JEFF CROWLEY, ON-SCENE COORDINATOR

**FIELD SAMPLING LOGBOOK**

Book 1 of 1

Inclusive Dates: 12/3 - 12/6/12

List of Sampling Team in logbook:

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

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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 (SED) 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 SED 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 34<sup>th</sup> 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 SED FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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

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

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

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

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

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

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0560

DATE: 12/8/12 ARRIVAL TIME: 1310

Other pertinent information (weather conditions, etc.):

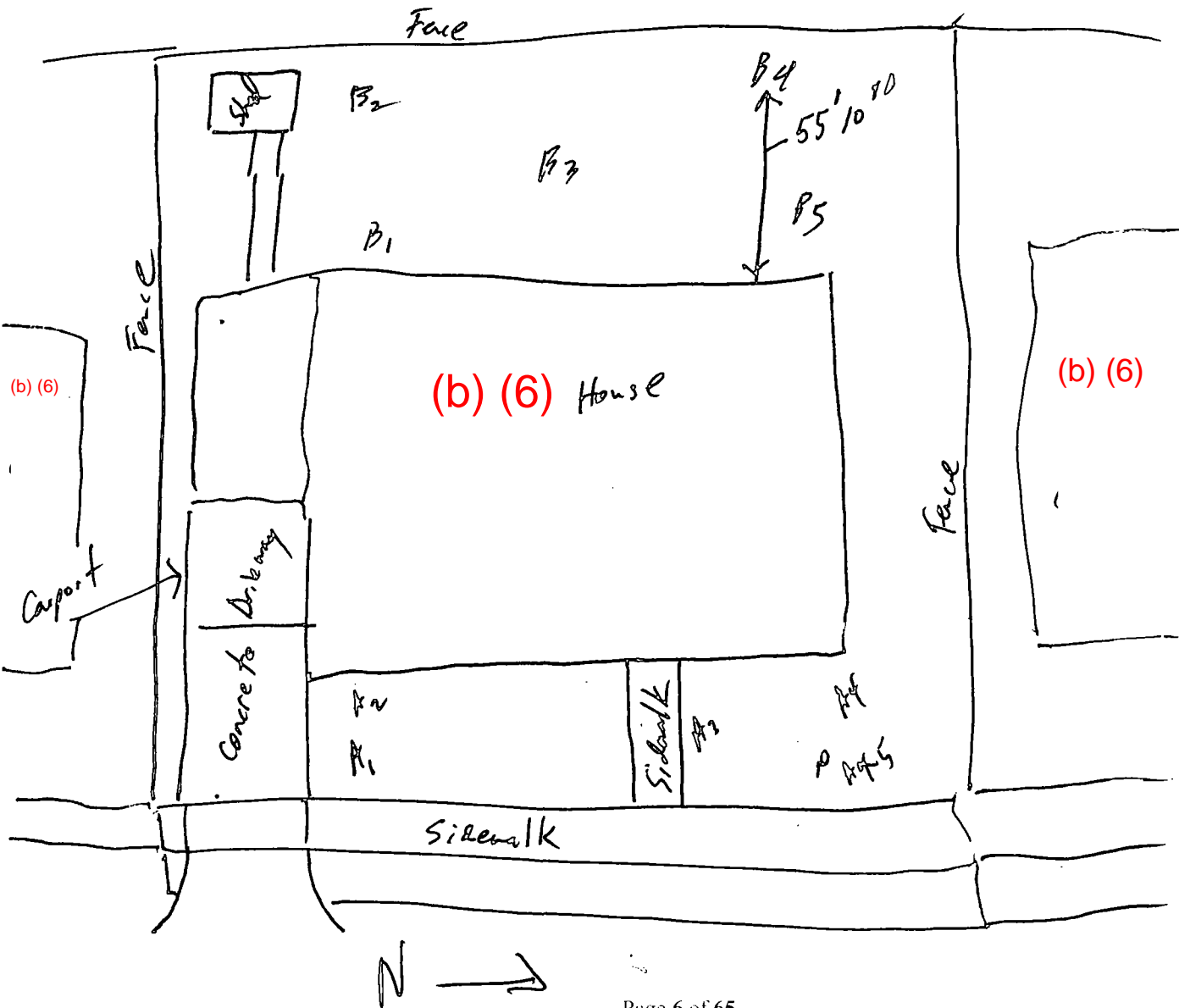
71°F, mostly cloudy Wind SW 14-20.

PROPERTY COMMENTS:

Resident at home. Small front yard. No side yard.  
Small back yard.

Grid for property sketch

Vacant lot



STATION ID: CV0560A SAMPLE ID: CV0560A-CS-SP

SAMPLE COLLECTION TIME: 1345

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: CV0560

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.55712123</u>	N Longitude: <u>86.79845923</u>	W	
	Media description: <u>33.55712123 dk brown/blk sandy clay dry</u>			
Aliquot #2:	Latitude: <u>33.55711988</u>	N Longitude: <u>86.79850240</u>	W	
	Media description: <u>dk brown silty clay dry</u>			
Aliquot #3:	Latitude: <u>33.55716826</u>	N Longitude: <u>86.79847500</u>	W	
	Media description: <u>brown silty clay dry w/ coal like fragments</u>			
Aliquot #4:	Latitude: <u>33.55719285</u>	N Longitude: <u>86.79851305</u>	W	
	Media description: <u>brwn silty clay dry</u>			
Aliquot #5:	Latitude: <u>33.55719146</u>	N Longitude: <u>86.79845965</u>	W	
	Media description: <u>dk brown silty clay dry</u>			

STATION ID: CV0560B SAMPLE ID: CV0560B-CS-SP

SAMPLE COLLECTION TIME: 1355

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: CV0560B

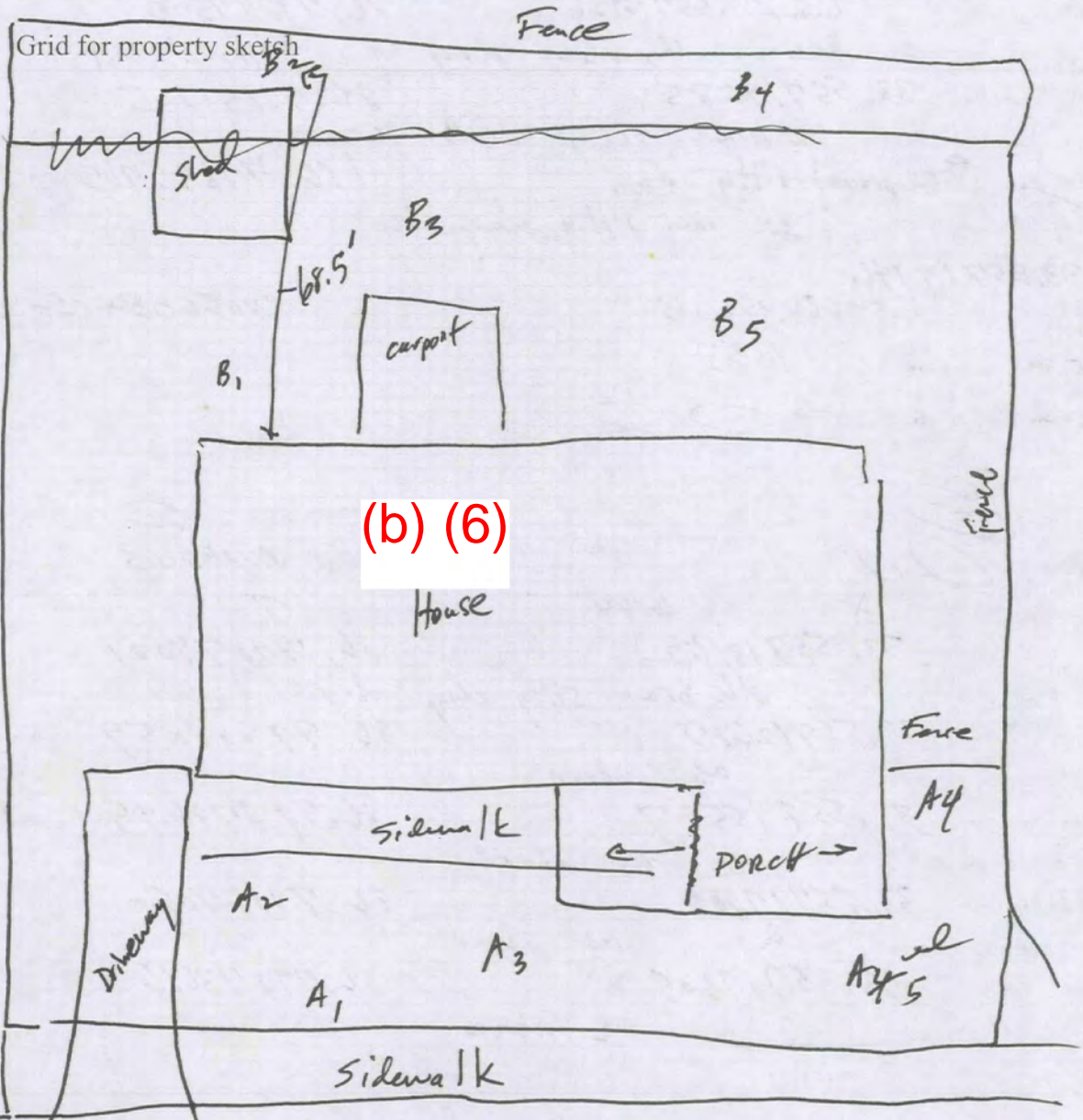
GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.55713162</u>	N Longitude: <u>86.79874021</u>	W	
	Media description: <u>dk brwn silty clay dry</u>			
Aliquot #2:	Latitude: <u>33.55712687</u>	N Longitude: <u>86.79888859</u>	W	
	Media description: <u>as above</u>			
Aliquot #3:	Latitude: <u>33.55715587</u>	N Longitude: <u>86.79878495</u>	W	
	Media description: <u>as above</u>			
Aliquot #4:	Latitude: <u>33.55717602</u>	N Longitude: <u>86.79887050</u>	W	
	Media description: <u>as above</u>			
Aliquot #5:	Latitude: <u>33.55719305</u>	N Longitude: <u>86.79873616</u>	W	
	Media description: <u>as above</u>			

ADDRESS: **(b) (6)** PROPERTY ID: CV025/

DATE: 12/3/12 ARRIVAL TIME: 1415

Other pertinent information (weather conditions, etc.):  
same as previous

PROPERTY COMMENTS:  
Resident at home. Small front yard  
Average size back yard.



**(b) (6)**



STATION ID: CV0251A SAMPLE ID: CV0251A-CS-SP

SAMPLE COLLECTION TIME: 1446

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>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55524123</u> N Longitude <u>86.80270538</u> W Media description: <u>dk brown/ blk silty clay ddy</u>
Aliquot #2: Latitude: <u>33.55526286</u> N Longitude <u>86.80267521</u> W Media description: <u>as above</u>
Aliquot #3: Latitude: <u>33.55520297</u> N Longitude <u>86.80270811</u> W Media description: <u>as above</u>
Aliquot #4: Latitude: <u>33.55517647</u> N Longitude <u>86.80265128</u> W Media description: <u>as above</u>
Aliquot #5: Latitude: <u>33.55517558</u> N Longitude <u>86.80270621</u> W Media description: <u>as above</u>

STATION ID: CV0251B SAMPLE ID: CV0251B-CS-SP

SAMPLE COLLECTION TIME: 1458

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: CV0251B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55526713</u> N Longitude <u>86.80245156</u> W Media description: <u>as above w/ pea size coal like fragments</u>
Aliquot #2: Latitude: <u>33.55525538</u> N Longitude <u>86.80232148</u> W Media description: <u>as above</u>
Aliquot #3: Latitude: <u>33.55523380</u> N Longitude <u>86.80239904</u> W Media description: <u>as above</u>
Aliquot #4: Latitude: <u>33.55518191</u> N Longitude <u>86.80229770</u> W Media description: <u>as above</u>
Aliquot #5: Latitude: <u>33.55517415</u> N Longitude <u>86.80245857</u> W Media description: <u>as above</u>

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: CV0077

DATE: 12/3/12 ARRIVAL TIME: 1513

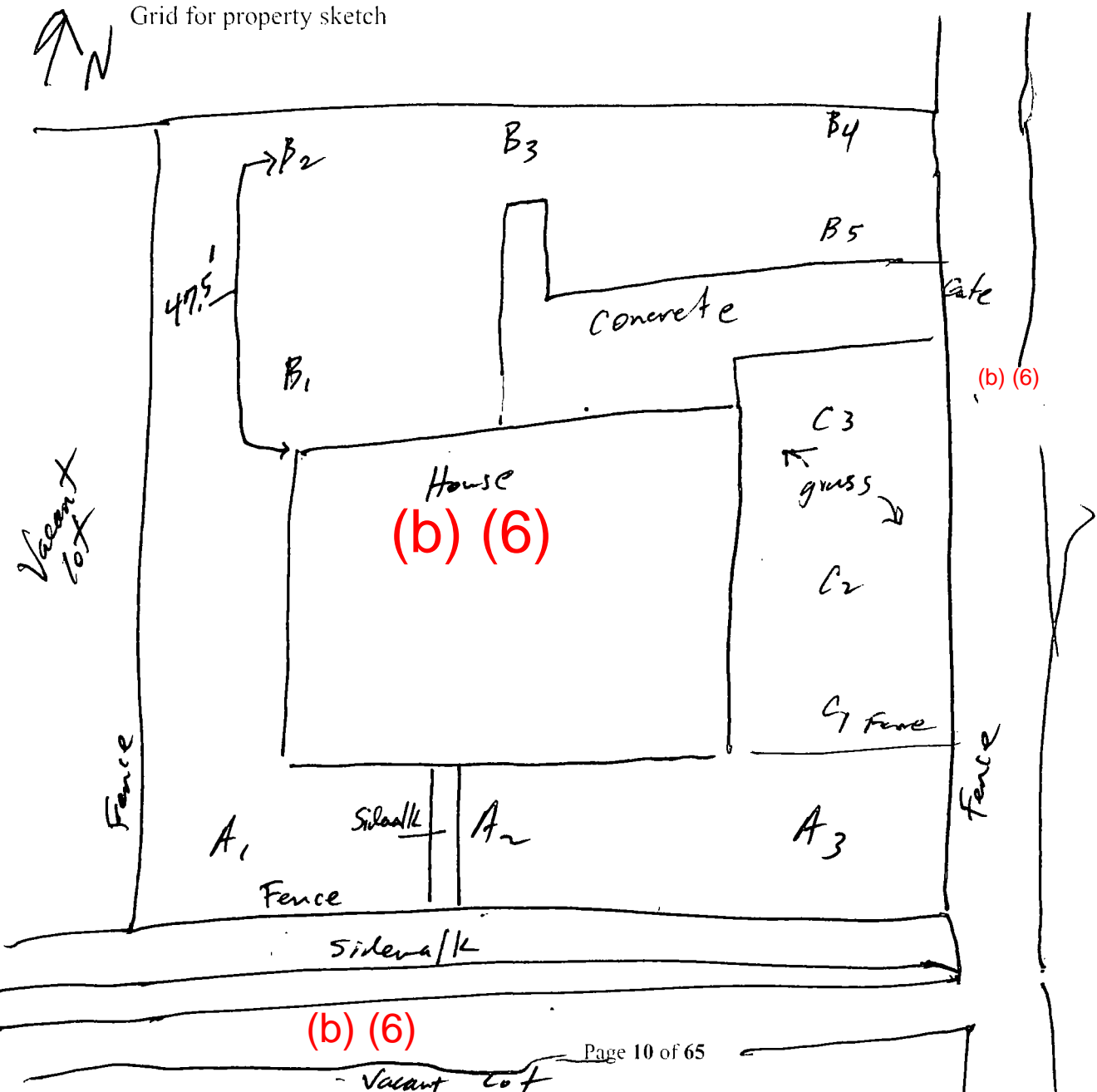
Other pertinent information (weather conditions, etc.):

73° F, overcast, wind S @ 9.2

PROPERTY COMMENTS:

Resident @ home. Corner lot

Grid for property sketch



STATION ID: CV0077A SAMPLE ID: CV0077A-CS-SP

SAMPLE COLLECTION TIME: 1559

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 of Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0077A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input type="checkbox"/> or <input checked="" type="checkbox"/> N
Aliquot #1: Latitude: <u>33.55411222</u>	N Longitude: <u>86.80074271</u>	W
Media description: <u>dk brown/blk silt dry w/ coal like fragments</u>		
Aliquot #2: Latitude: <u>33.55411307</u>	N Longitude: <u>86.80068072</u>	W
Media description: <u>as above</u>		
Aliquot #3: Latitude: <u>33.55411678</u>	N Longitude: <u>86.80062768</u>	W
Media description: <u>as above</u>		
Aliquot #4: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude: _____	W
Media description: _____		

STATION ID: CV0077B SAMPLE ID: CV0077B-CS-SP

SAMPLE COLLECTION TIME: 1546

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 of Split Yes or No If yes, indicate Duplicate/split sample station ID: CV0077B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or <input type="checkbox"/> N
Aliquot #1: Latitude: <u>33.55428230</u>	N Longitude: <u>86.80073424</u>	W
Media description: <u>dk brown/blk silt dry</u>		
Aliquot #2: Latitude: <u>33.55438594</u>	N Longitude: <u>86.80073230</u>	W
Media description: <u>as above</u>		
Aliquot #3: Latitude: <u>33.55437684</u>	N Longitude: <u>86.80066702</u>	W
Media description: <u>as above</u>		
Aliquot #4: Latitude: <u>33.55438123</u>	N Longitude: <u>86.80063282</u>	W
Media description: <u>as above</u>		
Aliquot #5: Latitude: <u>33.55434309</u>	N Longitude: <u>86.80063864</u>	W
Media description: <u>as above</u>		

(b) (6)

ADDRESS: \_\_\_\_\_

PROPERTY ID: CV0077

DATE: 12/3/12

ARRIVAL TIME: 1513

SEE PREVIOUS

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

STATION ID: CV0077C SAMPLE ID: CV0077C-CS-SP

SAMPLE COLLECTION TIME: 1538

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
along 33 st n side

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0077C

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33,55419046</u> N Longitude: <u>86.80063087</u> W Media description: <u>dk brown/blk silty clay dry</u>
Aliquot #2: Latitude: <u>33,55422492</u> N Longitude: <u>86.80063099</u> W Media description: <u>as above</u>
Aliquot #3: Latitude: <u>33.55428068</u> N Longitude: <u>86.80063192</u> W Media description: <u>as above</u>
<del>Aliquot #4: Latitude: _____ N Longitude: _____ W Media description: <u>ee</u></del>
<del>Aliquot #5: Latitude: _____ N Longitude: _____ W Media description: _____</del>

~~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 ee MS/MSD? Y or N~~

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

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

(b) (6)

ADDRESS:

PROPERTY ID: CV0330

DATE:

12/4/12

ARRIVAL TIME:

0843

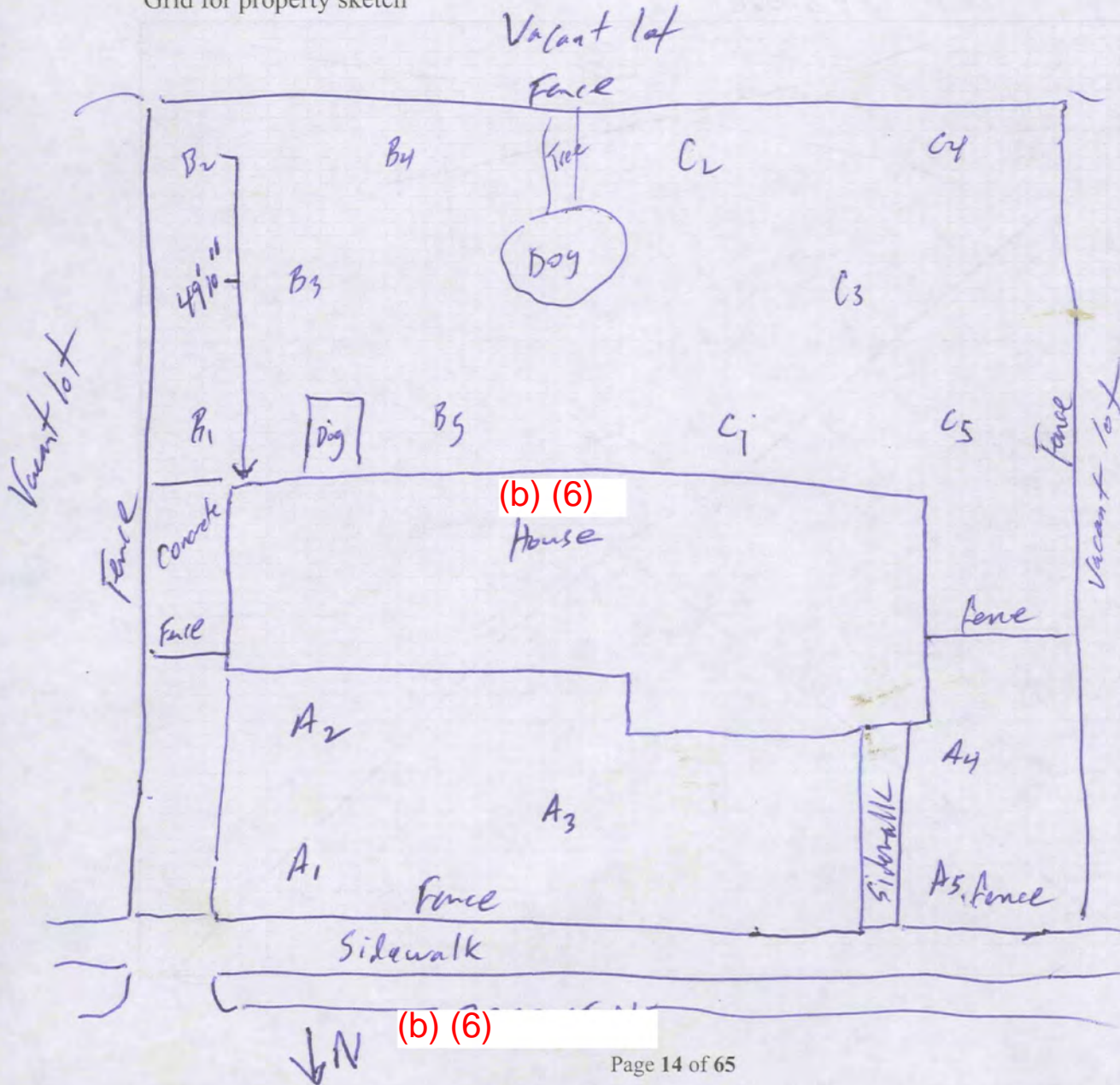
Other pertinent information (weather conditions, etc.):

61°F, humidity 78%, mostly cloudy, wind SE @ 5

PROPERTY COMMENTS:

Resident at home. Property adjoins vacant lots on both sides of back. Property is littered w/ household trash & dog feces. (mostly cigarette butts)

Grid for property sketch



STATION ID: CV0330 A SAMPLE ID: CV0330 A-CS-SP

SAMPLE COLLECTION TIME: 0950

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: CV0330 A

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u>	Logged? [ <input checked="" type="checkbox"/> ] or N
Aliquot #1: Latitude: <u>33,55622787</u>	N Longitude <u>86.80711825</u> W
Media description: <u>dk brown silt, dry w/ small coal fragments</u>	
Aliquot #2 Latitude: <u>33,55619747</u>	N Longitude <u>86.80712159</u> W
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33,55621517</u>	N Longitude <u>86.8071423</u> W
Media description: <u>same as above</u>	
Aliquot #4: Latitude: <u>33.55620219</u>	N Longitude <u>86.80723854</u> W
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33,55622850</u>	N Longitude <u>86.80723683</u> W
Media description: <u>same as above</u>	

STATION ID: CV0330 B SAMPLE ID: CV0330 B-CS-SP

SAMPLE COLLECTION TIME: 0933

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

east side 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: CV0330 B

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u>	Logged? [ <input checked="" type="checkbox"/> ] or N
Aliquot #1: Latitude: <u>33,55606560</u>	N Longitude <u>86.80707330</u> W
Media description: <u>dk brown silt, dry, with coal-like fragments (str. sized)</u>	
Aliquot #2 Latitude: <u>33,55595224</u>	N Longitude <u>86.80707667</u> W
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33,55601472</u>	N Longitude <u>86.80710502</u> W
Media description: <u>same as above</u>	
Aliquot #4: Latitude: <u>33,55595419</u>	N Longitude <u>86.80712339</u> W
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33,55607907</u>	N Longitude <u>86.80712472</u> W
Media description: <u>same as above</u>	

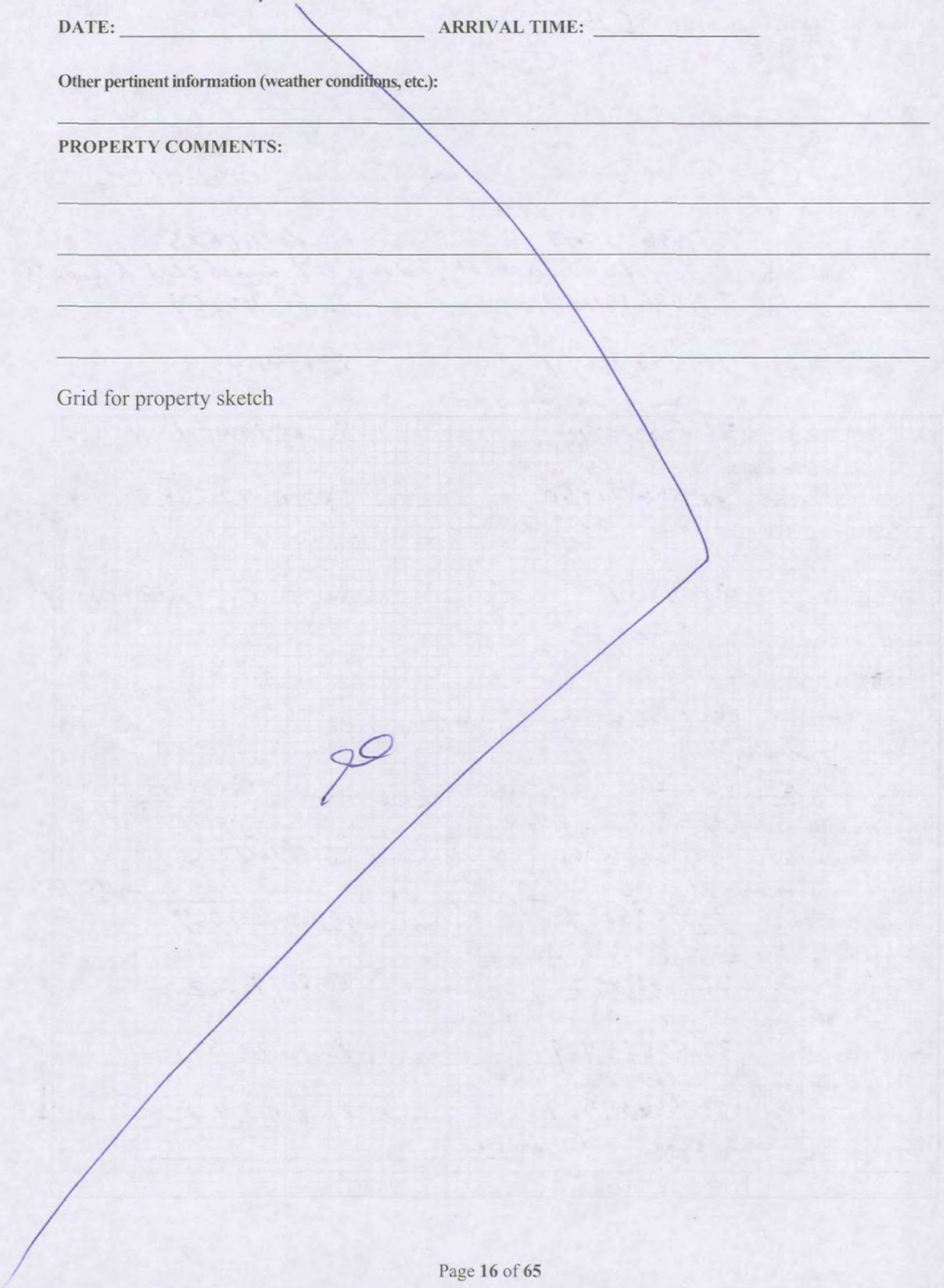
ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch





STATION ID: CV0330C SAMPLE ID: CV0330C-CS-SP

SAMPLE COLLECTION TIME: 0926

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):  
west side 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: CV0330C

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u> Logged? [ <input checked="" type="checkbox"/> ] or N
Aliquot #1: Latitude: <u>33.55607623</u> N Longitude: <u>86.80718316</u> W Media description: <u>same as CV0330B</u>
Aliquot #2: Latitude: <u>33.55594417</u> N Longitude: <u>86.80718437</u> W Media description: <u>as previous</u>
Aliquot #3: Latitude: <u>33.55601286</u> N Longitude: <u>86.80721623</u> W Media description: <u>as previous</u>
Aliquot #4: Latitude: <u>33.55594408</u> N Longitude: <u>86.80723767</u> W Media description: <u>as previous</u>
Aliquot #5: Latitude: <u>33.55607143</u> N Longitude: <u>86.80723764</u> W Media description: <u>as previous</u>

~~STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_~~

~~SAMPLE COLLECTION TIME: \_\_\_\_\_~~

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

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

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

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

ADDRESS: (b) (6)

CV-0517

PROPERTY ID: CV0157 LPT 11/10/13

DATE: 12/4/12

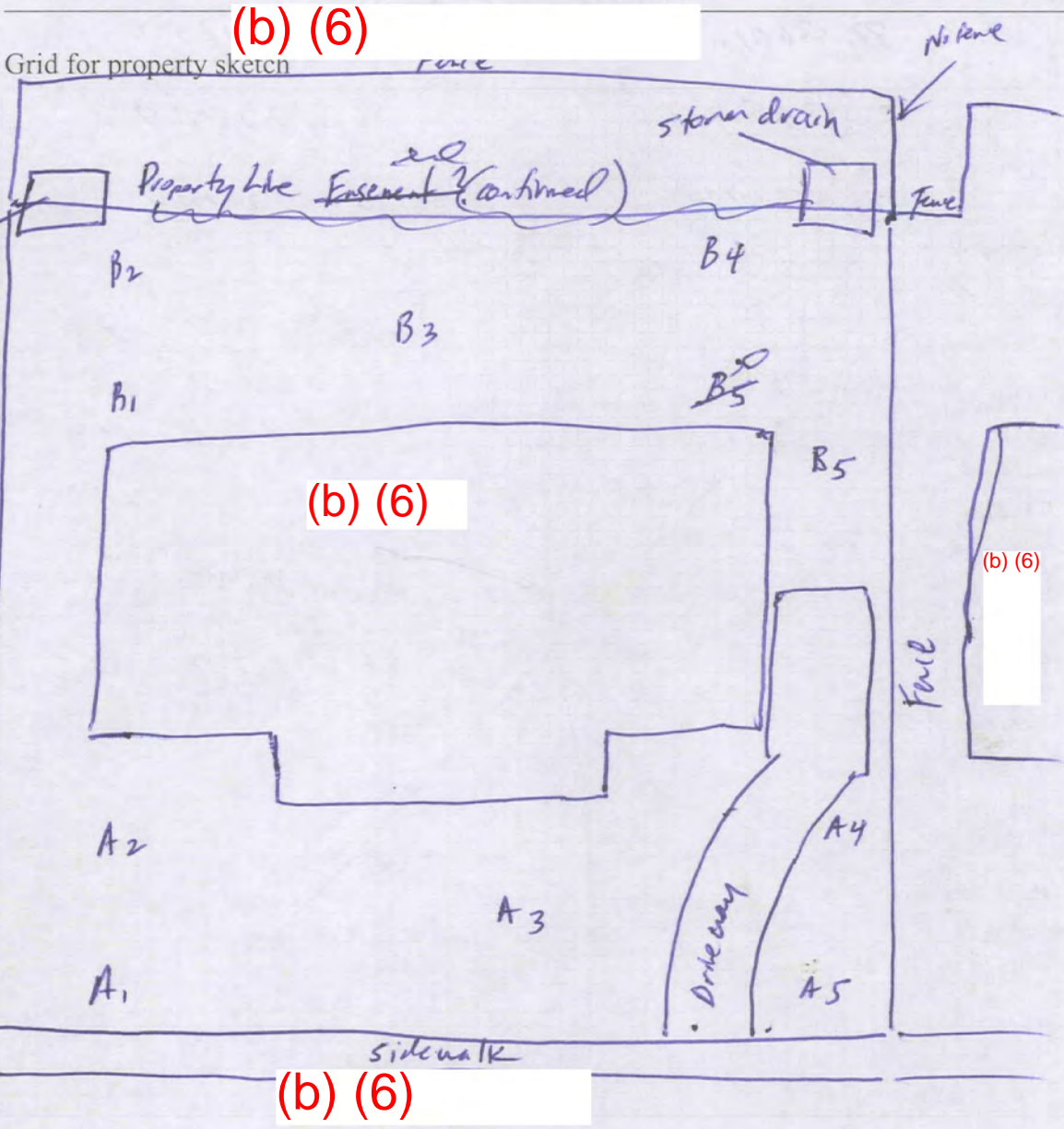
ARRIVAL TIME: 1025

Other pertinent information (weather conditions, etc.):

67°F, overcast, wind S @ 6 mph

PROPERTY COMMENTS:

No resident answers @ address. Vacant (city lot) to east. Back (south) side of property borders apparent city easement that includes storm drains.



STATION ID: CV0157A  
<sup>517</sup>  
<sub>LFL 111013</sub>  
SAMPLE COLLECTION TIME: 1108

SAMPLE ID: CV0157A-CS-SP  
<sup>517</sup>  
<sub>LFL 111013</sub>

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: CV0157A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55677112</u> N Longitude <u>86.79664053</u> W Media description: <u>tan to reddish brown silty clay w/ lg. coal fragments</u>
Aliquot #2: Latitude: <u>33.55670541</u> N Longitude <u>86.79663952</u> W Media description: <u>same as above darker in color</u>
Aliquot #3: Latitude: <u>33.55674408</u> N Longitude <u>86.79668389</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55673220</u> N Longitude <u>86.79676145</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55677820</u> N Longitude <u>86.79676518</u> W Media description: <u>same as above</u>

STATION ID: CV0157B  
<sup>517</sup>  
<sub>LFL 111013</sub>  
SAMPLE COLLECTION TIME: 1124

SAMPLE ID: CV0157B-CS-SP  
<sup>517</sup>  
<sub>LFL 111013</sub>

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: CV0157B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55651771</u> N Longitude <u>86.79663759</u> W Media description: <u>thin layer of dk silt followed by orange/tan clay w/ coal fragments</u>
Aliquot #2: Latitude: <u>33.55647480</u> N Longitude <u>86.79665317</u> W Media description: <u>same as above but no se</u>
Aliquot #3: Latitude: <u>33.55650577</u> N Longitude <u>86.79670407</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55648299</u> N Longitude <u>86.79675733</u> W Media description: <u>same as above w/ top thin layer of dk brown silt</u>
Aliquot #5: Latitude: <u>33.55658065</u> N Longitude <u>86.79676620</u> W Media description: <u>same as Aliq. 1, 2, &amp; 3</u>

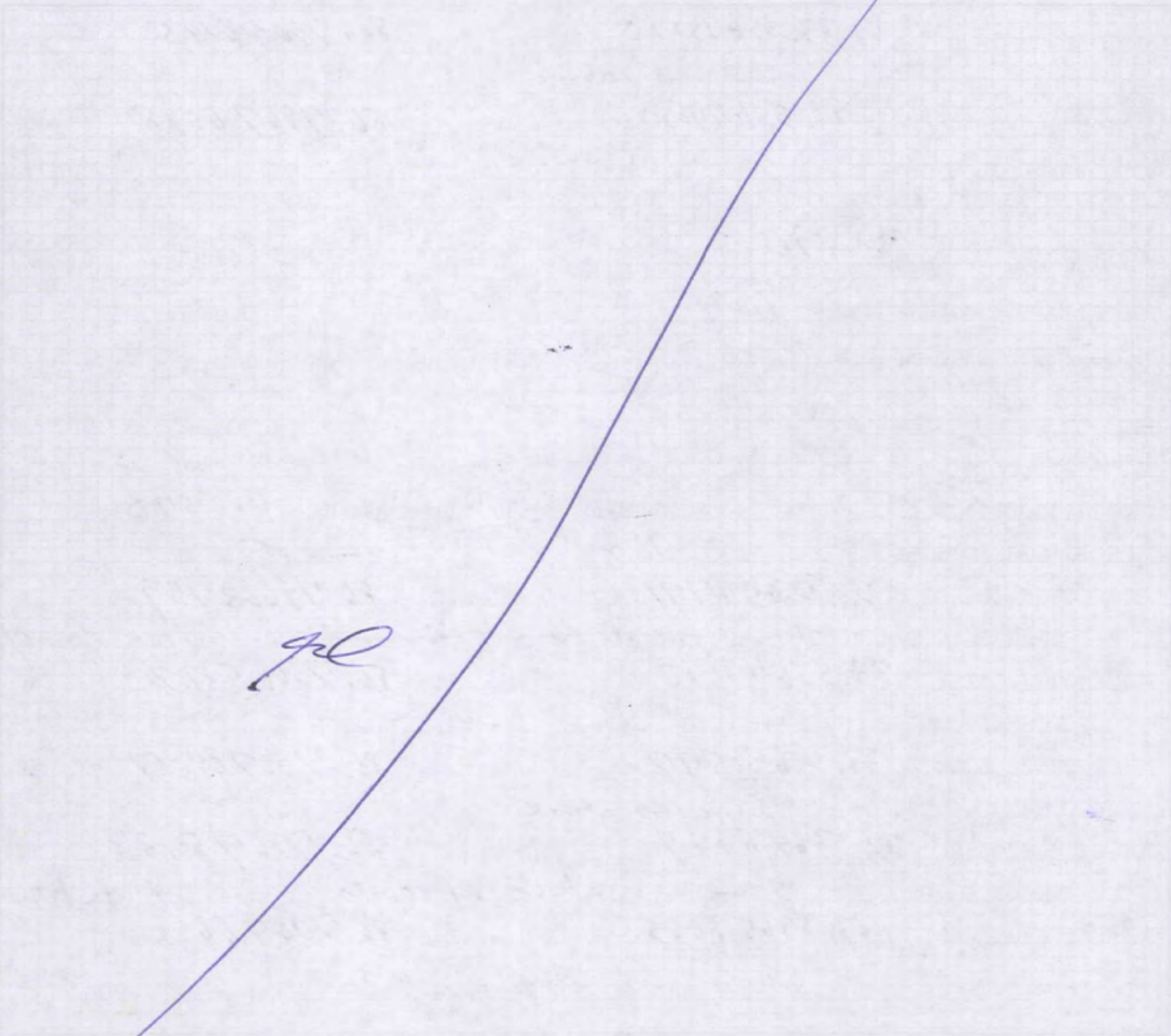
ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: 517 CVO157C  
LFL 11/10/13  
SAMPLE COLLECTION TIME: 1146

SAMPLE ID: 517 CVO157C-65-SP  
LFL 11/10/13

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVO157C

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude: <u>33.55648907</u>	N Longitude: <u>86.79675803</u>		W
Media description: <u>brown silty clay w/ coal fragments</u>			
Aliquot #2: Latitude: _____	N Longitude: _____		W
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude: _____		W
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude: _____		W
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude: _____		W
Media description: _____			

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

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

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

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

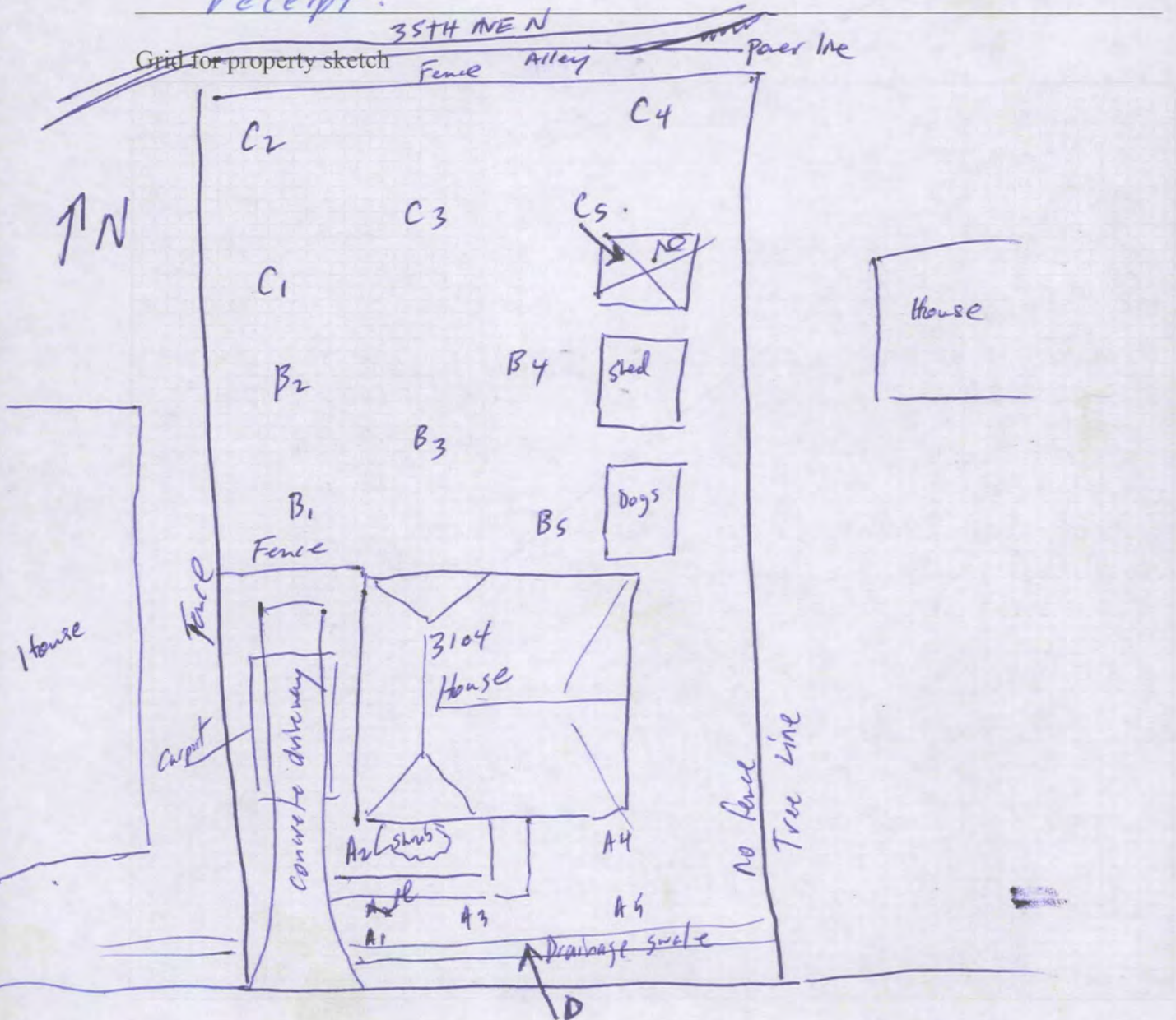
GPS Coordinates: Trimble [ ]	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #2: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #4: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

ADDRESS: (b) (6) PROPERTY ID: CV0526

DATE: 12/4/12 ARRIVAL TIME: 1318

Other pertinent information (weather conditions, etc.):  
70°F, mostly cloudy, wind S @ 10 MPH

PROPERTY COMMENTS:  
Resident at home.  
NOTE: Sample from station CV0526 A was not split and was not included on sample receipt.



(b) (6)

STATION ID: CV0526A

SAMPLE ID: CV0526A-CS-~~SP~~ <sup>20</sup>

SAMPLE COLLECTION TIME: 1431

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
Not split, not included on sample receipt.

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate split sample station ID: CV0526A <sup>20</sup>

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.5602524522574</u> N Longitude <u>86.805468680551768</u> W	
Media description: <u>dk brown silt w/ coal fragments</u>	
Aliquot #2 Latitude: <u>33.56029091</u> N Longitude <u>86.80551610</u> W	
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33.56025245</u> N Longitude <u>86.80546825</u> W	
Media description: <u>same as above</u>	
Aliquot #4: Latitude: <u>33.56029928</u> N Longitude <u>86.80541763</u> W	
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33.56021772</u> N Longitude <u>86.80541742</u> W	
Media description: <u>same as above</u>	

STATION ID: CV0526B

SAMPLE ID: CV0526B-CS-SP

SAMPLE COLLECTION TIME: 1412

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
south side 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: CV0526B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56041151</u> N Longitude <u>86.80556206</u> W	
Media description: <u>brown/orange silt clay dry w/ coal fragments</u>	
Aliquot #2 Latitude: <u>33.56052523</u> N Longitude <u>86.80554581</u> W	
Media description: <u>dk brown silt dry w/ coal fragments</u>	
Aliquot #3: Latitude: <u>same 33.56045710</u> N Longitude <u>86.80549462</u> W	
Media description: <u>same as Aliq. 1</u>	
Aliquot #4: Latitude: <u>33.56052410</u> N Longitude <u>86.80545463</u> W	
Media description: <u>same as Aliq. 2</u>	
Aliquot #5: Latitude: <u>33.56041475</u> N Longitude <u>86.80544710</u> W	
Media description: <u>same as Aliq. 2</u>	

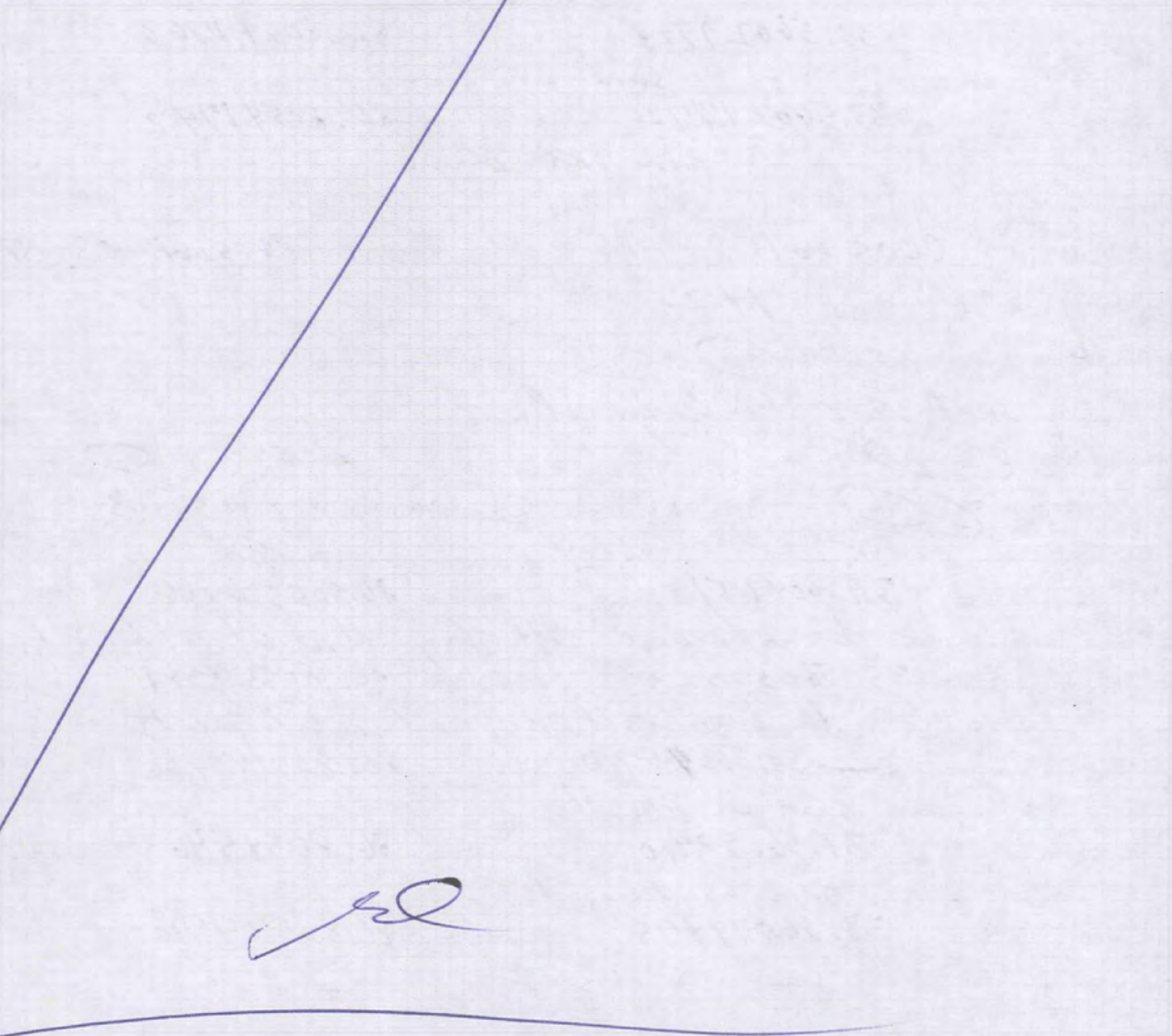
ADDRESS: Same as previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch





STATION ID: CV0526 C SAMPLE ID: CV0526C-05-SP

SAMPLE COLLECTION TIME: 1407

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
north side of 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>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56054776</u> N Longitude <u>86.80553574</u> W Media description: <u>dk brown silt with coal fragments</u>
Aliquot #2: Latitude: <u>33.56062088</u> N Longitude <u>86.80553388</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56057412</u> N Longitude <u>86.80547555</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.56062422</u> N Longitude <u>86.80538769</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56054463</u> N Longitude <u>86.80539044</u> W Media description: <u>dk tan silt w/ coal fragments</u>

STATION ID: CV0526 D SAMPLE ID: CV0526 D-GS-SP

SAMPLE COLLECTION TIME: 1438

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
drainage ditch 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: CV0526 D

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56021302</u> N Longitude <u>86.80546417</u> W Media description: _____
<del>Aliquot #2: Latitude: _____ N Longitude _____ W Media description: _____</del>
<del>Aliquot #3: Latitude: _____ N Longitude _____ W Media description: _____</del>
<del>Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____</del>
<del>Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____</del>

ADDRESS: (b) (6) PROPERTY ID: CV0707

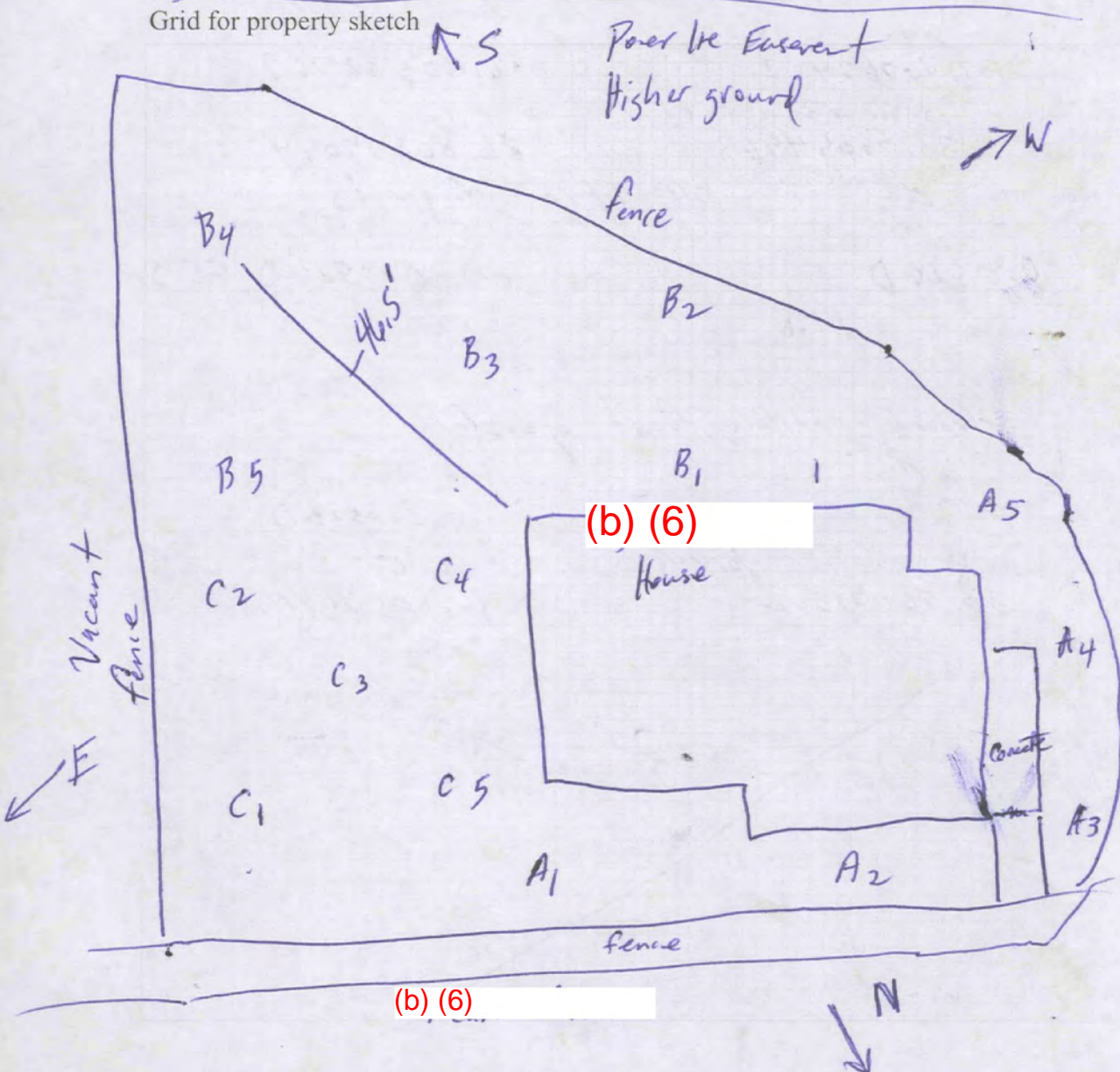
DATE: 12/4/12 ARRIVAL TIME: 1505

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Resident at home. Irregular shaped parcel. Surrounded by fence.

Grid for property sketch



STATION ID: CV0707A-20 SAMPLE ID: CV0707A-CS-SP

SAMPLE COLLECTION TIME: 1524

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

front d west 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: CV0707A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56081691</u> N Longitude <u>86.80070748</u> W	
Media description: <u>dk brn/blk silt dry w/ small coal fragments</u>	
Aliquot #2: Latitude: <u>33.56075699</u> N Longitude <u>86.80078745</u> W	
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33.56065533</u> N Longitude <u>86.80085261</u> W	
Media description: <u>same as above</u>	
Aliquot #4: Latitude: <u>33.56066847</u> N Longitude <u>86.80079223</u> W	
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33.56066438</u> N Longitude <u>86.80069480</u> W	
Media description: <u>same as above</u>	

STATION ID: CV0707B SAMPLE ID: CV0707B-CS-SP

SAMPLE COLLECTION TIME: 1533

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

back southwest side

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>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56087116</u> N Longitude <u>86.80062369</u> W	
Media description: <u>dk brn/blk silt dry w/ coal fragments (small)</u>	
Aliquot #2: Latitude: <u>33.56067519</u> N Longitude <u>86.80052257</u> W	
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33.5608211272608</u> N Longitude <u>86.8006005252034</u> W	
Media description: <u>same as above</u>	
Aliquot #4: Latitude: <u>33.56074099</u> N Longitude <u>86.80044986</u> W	
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33.56077740</u> N Longitude <u>86.80050809</u> W	
Media description: <u>same as above</u>	

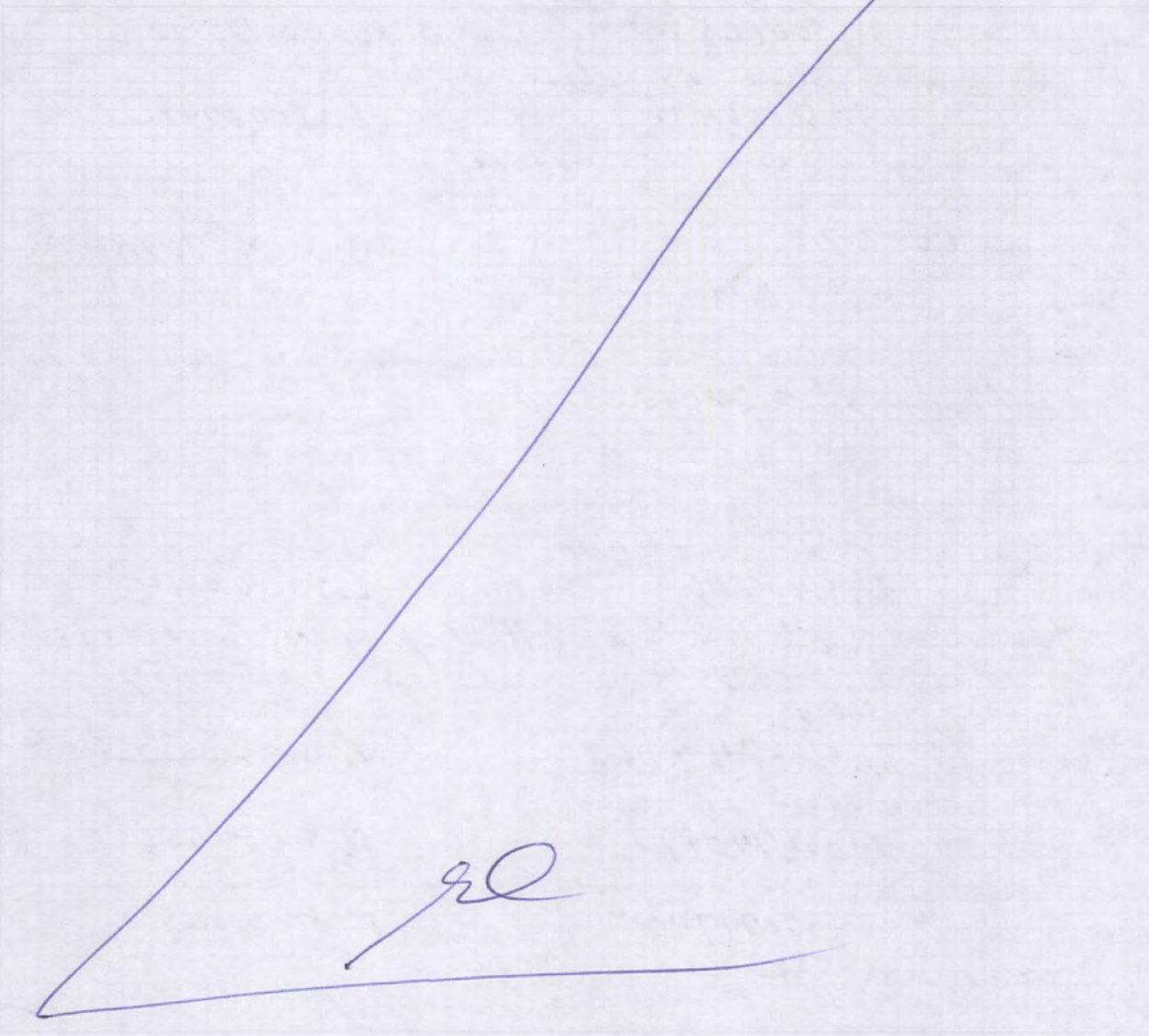
ADDRESS: See Previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):  
\_\_\_\_\_

PROPERTY COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch



STATION ID: CV0707C SAMPLE ID: CV0707C-CS-SP

SAMPLE COLLECTION TIME: 1536

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
East 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: CV0707C

GPS Coordinates: Trimble [] Instrument #: 16144 Logged? [] or N

Aliquot #1: Latitude: 33.56087116 N Longitude 86.80062369 W  
Media description: dk brown / blk silt dry w/ coal fragments

Aliquot #2 Latitude: 33.56081680 N Longitude 86.80054703 W  
Media description: same as above

Aliquot #3: Latitude: 33.56082112 N Longitude 86.80060052 W  
Media description: same as above

Aliquot #4: Latitude: 33.56077190 N Longitude 86.80057999 W  
Media description: same as above

Aliquot #5: Latitude: 33.56082212 N Longitude 86.80064918 W  
Media description: same as above

~~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: Fm0025

DATE: 12/5/12

ARRIVAL TIME: 0847

Other pertinent information (weather conditions, etc.):

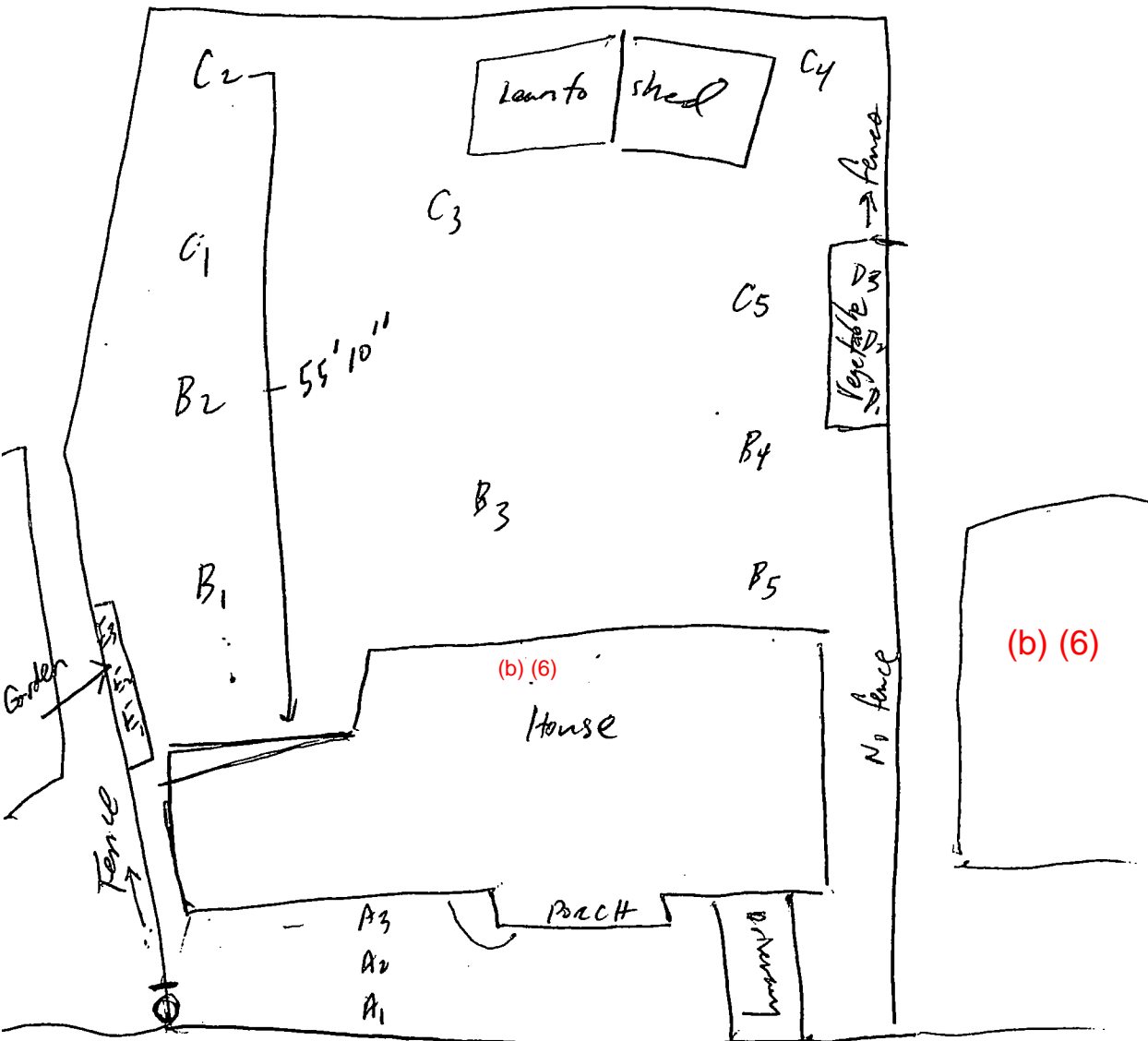
67°F, Fog/mist, Humidity 97%, wind calm

PROPERTY COMMENTS:

Resident @ home.

Yard slopes downhill significantly from  
back of house to back of property.

Grid for property sketch



(b) (6)



4

STATION ID: 20 FM0025A SAMPLE ID: Fm0025A-CS-SP

SAMPLE COLLECTION TIME: 0930

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

Collection: Composite or Grab 3 points 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>16144</u> Logged? [ <input checked="" type="checkbox"/> ] or N	
Aliquot #1: Latitude: <u>33.56659999</u> N Longitude: <u>86.81051741</u> W	Media description: <u>dk brown silt, wet to moist</u>
Aliquot #2: Latitude: <u>33.56659021</u> N Longitude: <u>86.81056632</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.5667410</u> N Longitude: <u>86.81060937</u> W	Media description: <u>same as above</u>
Aliquot #4: Latitude: _____ N Longitude: _____ W	Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W	Media description: _____

STATION ID: Fm0025B SAMPLE ID: Fm0025B-CS

SAMPLE COLLECTION TIME: 0941

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

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>16144</u> Logged? [ <input checked="" type="checkbox"/> ] or N	
Aliquot #1: Latitude: <u>33.56650624</u> N Longitude: <u>86.81082825</u> W	Media description: <u>dk brown silt w/ gravel moist</u>
Aliquot #2: Latitude: <u>33.56650729</u> N Longitude: <u>86.81088191</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.56656439</u> N Longitude: <u>86.81086637</u> W	Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.56660896</u> N Longitude: <u>86.81089497</u> W	Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.56661597</u> N Longitude: <u>86.81084567</u> W	Media description: <u>same as above</u>

ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

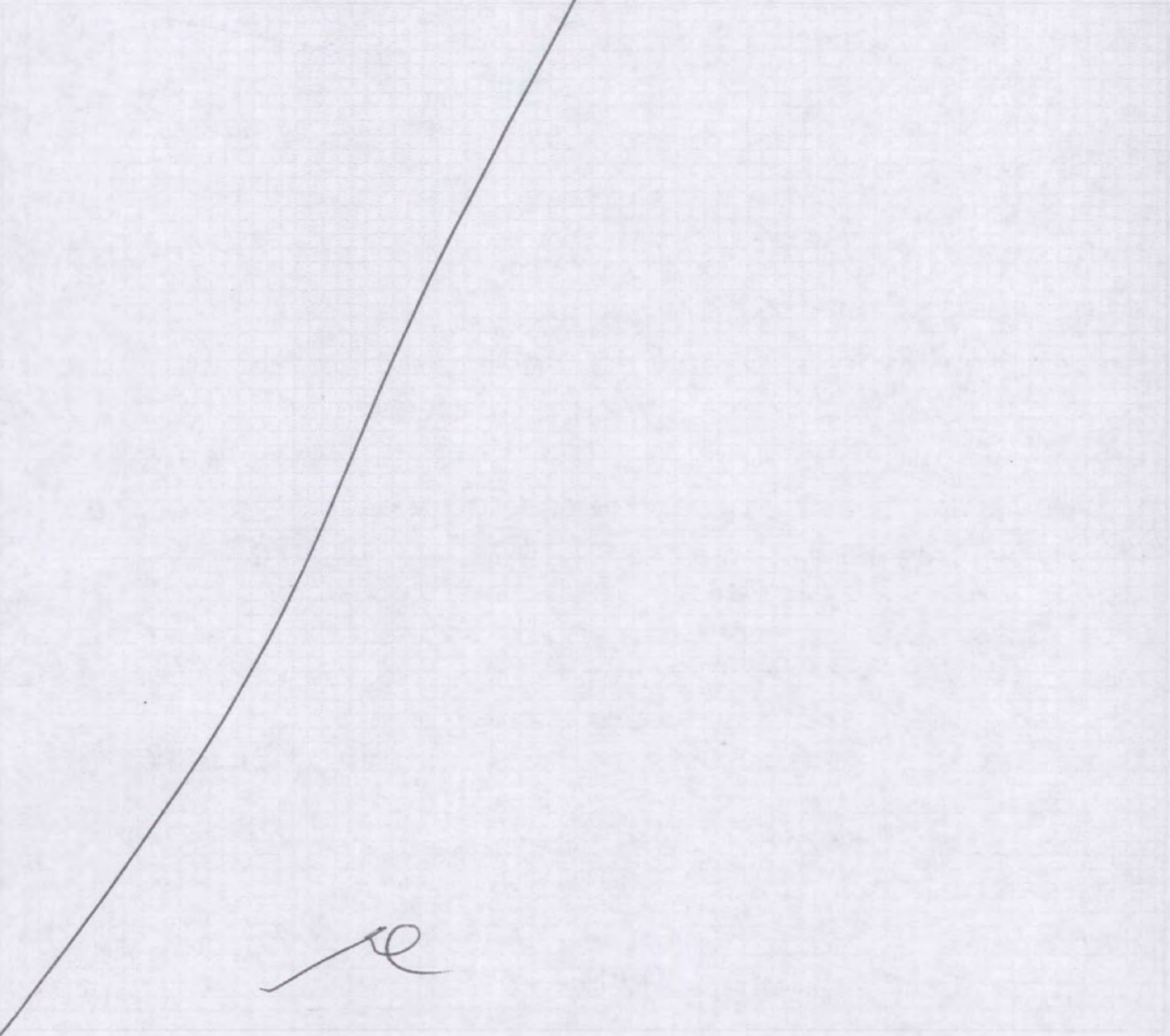
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Grid for property sketch





STATION ID: Fm0025C SAMPLE ID: Fm0025C-CS-SP

SAMPLE COLLECTION TIME: 0942

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

back yard 1/2 farthest from 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: Fm0025C

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56650620</u> N Longitude: <u>86.81091473</u> W	
Media description: <u>dk brwn silt moist</u>	
Aliquot #2 Latitude: <u>33.56650647</u> N Longitude: <u>86.81098171</u> W	
Media description: <u>dk brwn silt moist w/ coal fragments</u>	
Aliquot #3: Latitude: <u>33.56655591</u> N Longitude: <u>86.81094131</u> W	
Media description: <u>dk brwn silt moist</u>	
Aliquot #4: Latitude: <u>33.56659838</u> N Longitude: <u>86.81098914</u> W	
Media description: <u>same as above</u>	
Aliquot #5: Latitude: <u>33.56660402</u> N Longitude: <u>86.81092506</u> W	
Media description: <u>same as above</u>	

STATION ID: Fm0025D SAMPLE ID: Fm0025D

SAMPLE COLLECTION TIME: 0949

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

vegetable garden along west fence 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: Fm0025D

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.5661707</u> N Longitude: <u>86.81092123</u> W	
Media description: <u>dk brwn/blk silt w/ patches sandy silt w/ coal fragments</u>	
Aliquot #2 Latitude: <u>33.56661507</u> N Longitude: <u>86.81093787</u> W	
Media description: <u>same as above</u>	
Aliquot #3: Latitude: <u>33.56661380</u> N Longitude: <u>86.81095412</u> W	
Media description: <u>same as above</u>	
Aliquot #4: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #5: Latitude: _____ N Longitude: _____ W	
Media description: _____	

ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm0025E SAMPLE ID: Fm0025E-05

SAMPLE COLLECTION TIME: 0950

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

vegetable garden closest 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: Fm0025E

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.56654083</u>	N Longitude: <u>86.81074109</u>		W
Media description: <u>dk brown / blk sandy silty w/ mulch</u>			
Aliquot #2: Latitude: <u>33.56650669</u>	N Longitude: <u>86.81075331</u>		W
Media description: <u>same as previous</u>			
Aliquot #3: Latitude: <u>33.56649826</u>	N Longitude: <u>86.81077179</u>		W
Media description: <u>same as previous</u>			
<del>Aliquot #4: Latitude: _____</del>	<del>N Longitude: _____</del>		<del>W</del>
<del>Media description: _____</del>			
<del>Aliquot #5: Latitude: _____</del>	<del>N Longitude: _____</del>		<del>W</del>
<del>Media description: _____</del>			

~~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: \_\_\_\_\_~~

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

(b) (6)

ADDRESS: \_\_\_\_\_

PROPERTY ID: FM031

DATE: \_\_\_\_\_

12/5/12

ARRIVAL TIME: \_\_\_\_\_

1040

Other pertinent information (weather conditions, etc.):

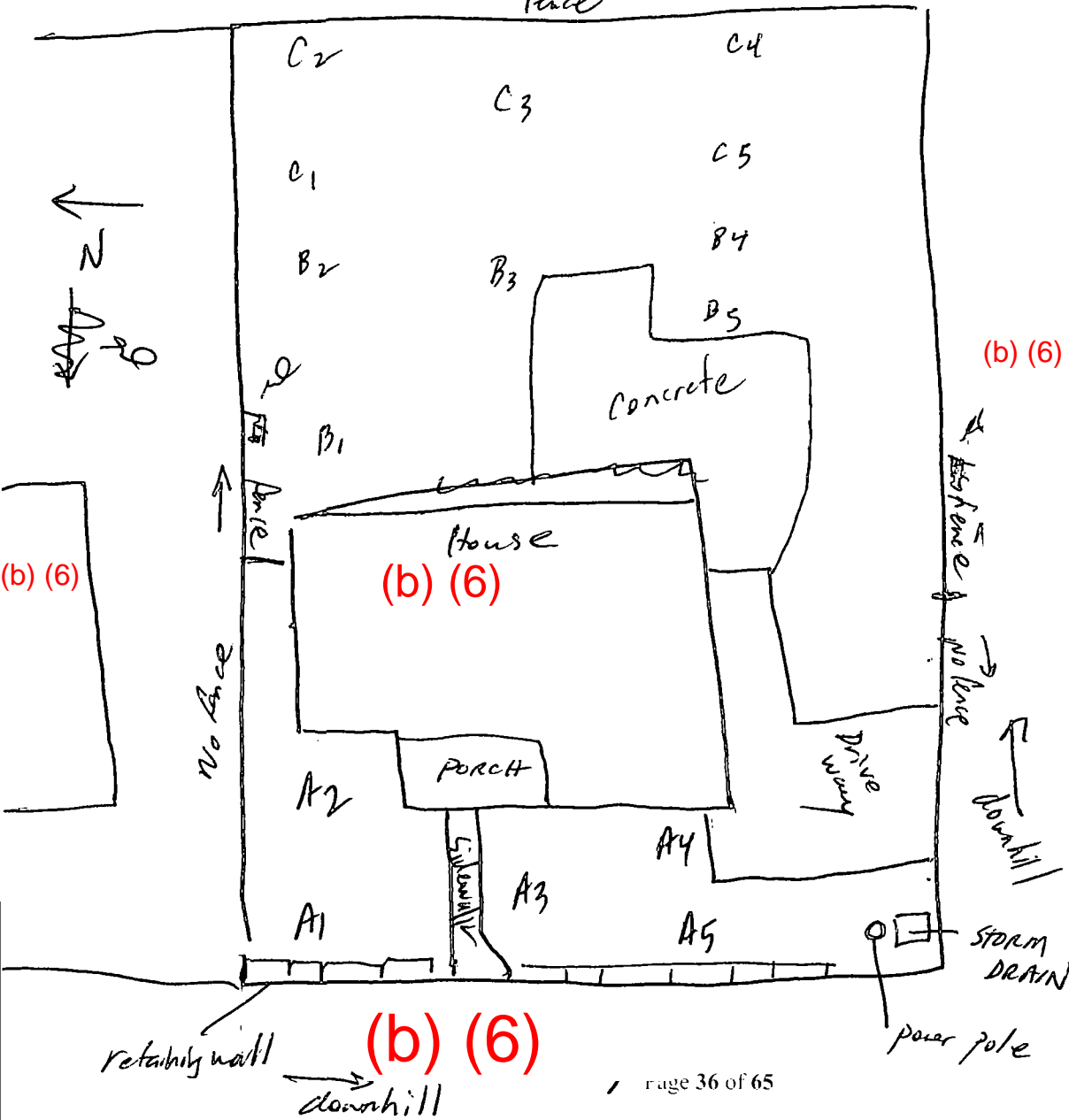
63°F, overcast, wind N @ 6 MPH

PROPERTY COMMENTS:

Resident at home. Property on hill & lower than street. Retaining wall fronts Fairmont way.

Grid for property sketch

Alley  
Face



STATION ID: Fm0311A SAMPLE ID: Fm0311A-CS-SP

SAMPLE COLLECTION TIME: 1139

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: Fm0311A

GPS Coordinates: Trimble [] Instrument #: 16144 Logged? Y or N

Aliquot #1: Latitude: 33.56650380 N Longitude 86.81253250 W

Media description: \_\_\_\_\_

Aliquot #2 Latitude: 33.56650208 N Longitude 86.81247523 W

Media description: \_\_\_\_\_

Aliquot #3: Latitude: 33.56645597 N Longitude 86.81251048 W

Media description: \_\_\_\_\_

Aliquot #4: Latitude: 33.56642066 N Longitude 86.81249549 W

Media description: \_\_\_\_\_

Aliquot #5: Latitude: 33.56641767 N Longitude 86.81253135 W

Media description: \_\_\_\_\_

STATION ID: Fm0311B SAMPLE ID: Fm0311B-CS-SP

SAMPLE COLLECTION TIME: 1121

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

back yard closest 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: Fm0311B

GPS Coordinates: Trimble [] Instrument #: 16044 Logged? Y or N

Aliquot #1: Latitude: 33.56648388 N Longitude 86.81230642 W

Media description: brown/orange silty clay moist → dry w/ coal fragments

Aliquot #2 Latitude: 33.56648305 N Longitude 86.81225699 W

Media description: same as above

Aliquot #3: Latitude: 33.56642476 N Longitude 86.81227113 W

Media description: same as above

Aliquot #4: Latitude: 33.56640230 N Longitude 86.81226079 W

Media description: same as above

Aliquot #5: Latitude: 33.56640134 N Longitude 86.81233782 W

Media description: same as above

ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Grid for property sketch

*JO*

STATION ID: FM0311C SAMPLE ID: FM0311C-05-SP

SAMPLE COLLECTION TIME: 1114

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
back yard 1/2 farthest from 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: FM0311C

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u>		Logged? [ <input checked="" type="checkbox"/> ] or N	
Aliquot #1: Latitude: <u>33.56647893</u>	N Longitude: <u>86.81222165</u>	W	
Media description: <u>dk brown/orange silty clay dry → moist</u>			
Aliquot #2: Latitude: <u>33.56647821</u>	N Longitude: <u>86.81213907</u>	W	
Media description: <u>same as previous</u>			
Aliquot #3: Latitude: <u>33.56643618</u>	N Longitude: <u>86.81218859</u>	W	
Media description: <u>same as previous</u>			
Aliquot #4: Latitude: <u>33.56638965</u>	N Longitude: <u>86.81213790</u>	W	
Media description: <u>same as previous</u>			
Aliquot #5: Latitude: <u>33.56639791</u>	N Longitude: <u>86.81222717</u>	W	
Media description: <u>same as previous</u>			

~~STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_~~

~~SAMPLE COLLECTION TIME: \_\_\_\_\_~~

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

~~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:

CV0442

DATE:

12/5/12

ARRIVAL TIME:

1322

Other pertinent information (weather conditions, etc.):

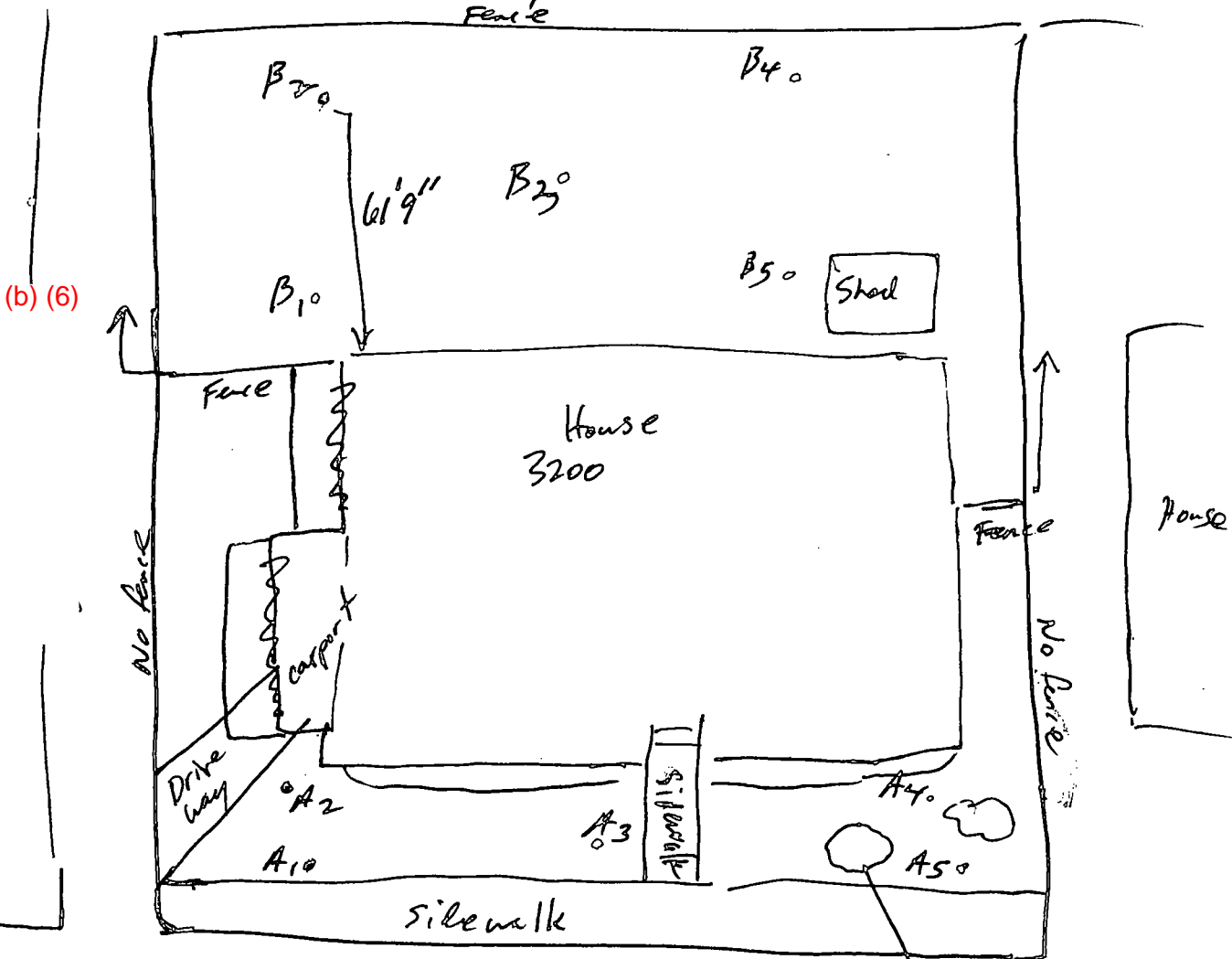
65°F, overcast, wind NNE @ 3 MPH.

PROPERTY COMMENTS:

Resident at home. Confirmed address of owner. Observed exposed soil under Magnolia Tree (NE corner) in front yard with large pieces of slag & coal.

Grid for property sketch

Alley or Easement  
Fence



(b) (6)

(b) (6)

N →

exposed dirt with  
1-2" pcs. of slag



STATION ID: CV0442 A SAMPLE ID: CV0442A-CS-SP

SAMPLE COLLECTION TIME: 1356

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: CV0442

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55451741</u> N Longitude <u>86.80063816</u> W Media description: <u>brwn silt w/ slag &amp; coal (no.25-0.5'lag) dry</u>
Aliquot #2: Latitude: <u>33.55451706</u> N Longitude <u>86.80066161</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55453649</u> N Longitude <u>86.80065411</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.55458271</u> N Longitude <u>86.80065878</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: <u>33.55457729</u> N Longitude <u>86.80062138</u> W Media description: <u>same as previous</u>

STATION ID: CV0442 B SAMPLE ID: CV0442B-CS-SP

SAMPLE COLLECTION TIME: 1414

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: CV0442B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>16144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55450203</u> N Longitude <u>86.80093364</u> W Media description: <u>brwn silt dry w/ large pieces of slag</u>
Aliquot #2: Latitude: <u>33.55452588</u> N Longitude <u>86.80105291</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.55455973</u> N Longitude <u>86.800100115</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.55461071</u> N Longitude <u>86.80105018</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: <u>33.55460534</u> N Longitude <u>86.80091643</u> W Media description: <u>same as previous</u>

(b) (6)

ADDRESS:

PROPERTY ID: FM0080

DATE:

12/5/12

ARRIVAL TIME:

1437

Other pertinent information (weather conditions, etc.):

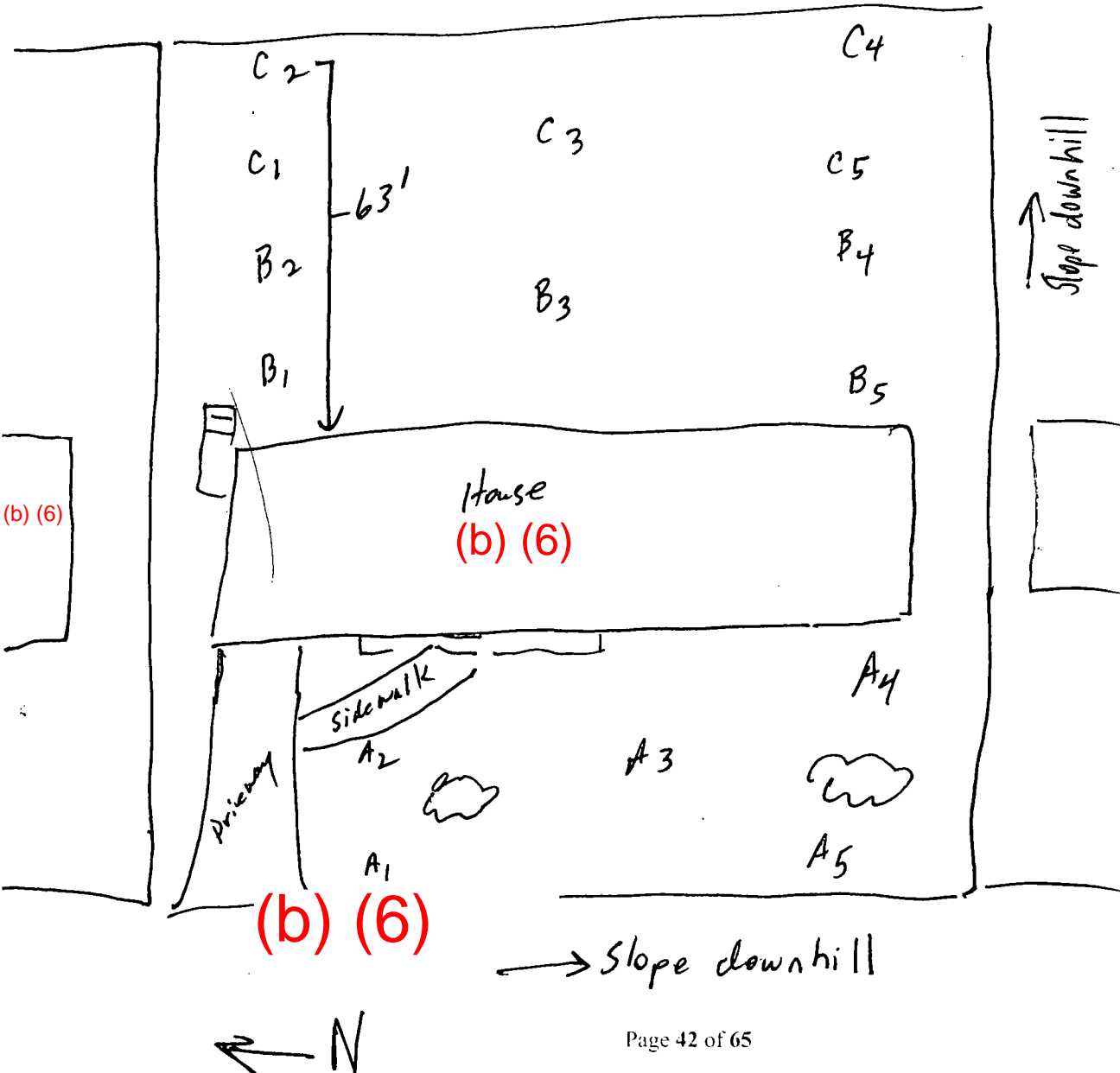
65°F, overcast, wind NNE @ 3MPH

PROPERTY COMMENTS:

Resident @ home confirmed address.

Property slopes downhill steeply from N to S & from E to W.

Grid for property sketch



STATION ID: Fm0080 A SAMPLE ID: Fm0080A-CS-SP

SAMPLE COLLECTION TIME: 1541

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: Fm0080A

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56715903</u> N Longitude <u>86.81141518</u> W Media description: <u>reddish brown silty clay</u>
Aliquot #2: Latitude: <u>33.56719591</u> N Longitude <u>86.81137115</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.56714765</u> N Longitude <u>86.81139157</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.56710181</u> N Longitude <u>86.81134950</u> W Media description: <u>same as previous except with coal fragments</u>
Aliquot #5: Latitude: <u>33.56711222</u> N Longitude <u>86.81141001</u> W Media description: <u>same as Aliq #1</u>

STATION ID: Fm0080 B SAMPLE ID: Fm0080-CS-SP

SAMPLE COLLECTION TIME: 1523

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

back yard 1/2 closest 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: Fm0080 B

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u> Logged? Y or <u>N</u>
Aliquot #1: Latitude: <u>33.56720450</u> N Longitude <u>86.81118197</u> W Media description: <u>dk brown silt</u>
Aliquot #2: Latitude: <u>33.56720228</u> N Longitude <u>86.81112346</u> W Media description: <u>same as previous</u>
Aliquot #3: Latitude: <u>33.56714413</u> N Longitude <u>86.81115827</u> W Media description: <u>same as previous</u>
Aliquot #4: Latitude: <u>33.56709976</u> N Longitude <u>86.81112961</u> W Media description: <u>same as previous</u>
Aliquot #5: Latitude: <u>33.56709598</u> N Longitude <u>86.81118933</u> W Media description: <u>same as previous</u>

ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

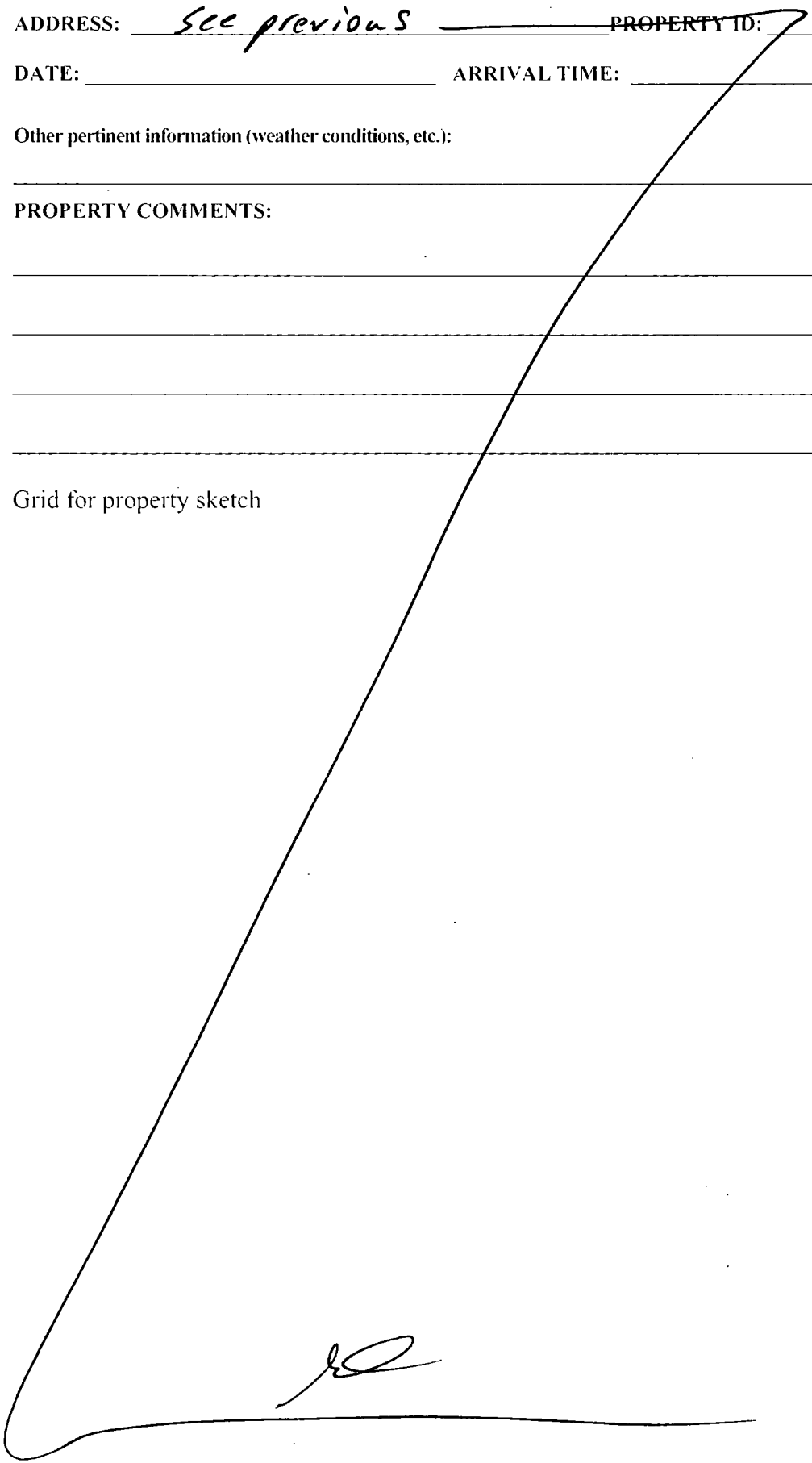
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Grid for property sketch



*[Handwritten signature]*

STATION ID: Fm0080C SAMPLE ID: Fm0080C-CS-SP

SAMPLE COLLECTION TIME: 1518

Description of sample location (front, back, side, yard; vegetable garden; play set; ditch, etc):  
back yard 1/2 farthest from 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: Fm0080

GPS Coordinates: Trimble [ <input checked="" type="checkbox"/> ] Instrument #: <u>16144</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56719335</u> N Longitude <u>86.81109545</u> W Media description: <u>dk brwn silty <sup>29</sup> silt w/ coal fragments moist</u>
Aliquot #2: Latitude: <u>33.56719521</u> N Longitude <u>86.81102952</u> W Media description: <u>Same as previous</u>
Aliquot #3: Latitude: <u>33.56713978</u> N Longitude <u>86.81107979</u> W Media description: <u>Same as previous</u>
Aliquot #4: Latitude: <u>33.56709218</u> N Longitude <u>86.81104649</u> W Media description: <u>Same as previous</u>
Aliquot #5: Latitude: <u>33.56709807</u> N Longitude <u>86.81109654</u> W Media description: <u>Same as previous</u>

~~STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_~~

~~SAMPLE COLLECTION TIME: \_\_\_\_\_ 90~~

~~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: \_\_\_\_\_~~

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

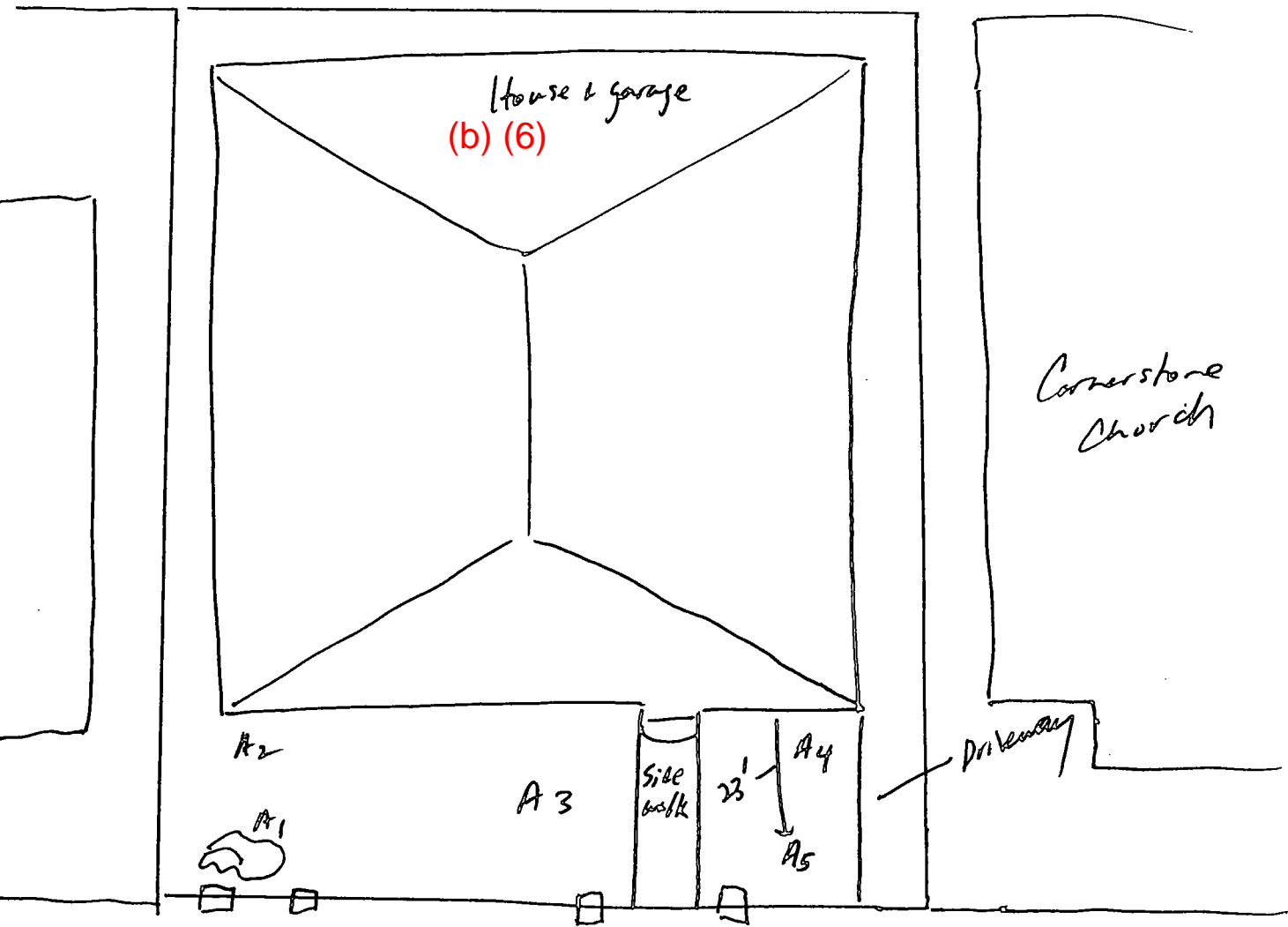
ADDRESS: **(b) (6)** PROPERTY ID: #P0196

DATE: 12/6/12 ARRIVAL TIME: 0840

Other pertinent information (weather conditions, etc):  
61°F, Humidity 70%, few clouds, Wind E @ 9MPH

PROPERTY COMMENTS:  
resident @ home. Structure (house & garage) occupy  
aprox 75-80% of parcel. Side yard is w/in  
3-5' of house & not sampled per QAPP.  
Front yard sampled only. No Back yard.

Grid for property sketch Vacant lot  
Alley



↑ N **(b) (6)**

STATION ID: HP0196 SAMPLE ID: HP0196A-CS-SP

SAMPLE COLLECTION TIME: 0913

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

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate split sample station ID: HP0196A

GPS Coordinates: Trimble [  ] Instrument #: 16144 Logged?  or N

Aliquot #1: Latitude: \_\_\_\_\_ N Longitude: \_\_\_\_\_ W

Media description: orangeish brown silty clay dry w/ coal fragments

Aliquot #2: Latitude: 33.56580469 N Longitude: 86.79120102 W

Media description: gray/brown silty clay dry

Aliquot #3: Latitude: 33.56580761 N Longitude: 86.79120011 W

Media description: same as previous

Aliquot #4: Latitude: 33.56580643 N Longitude: 86.79117485 W

Media description: same as Aliq. #1

Aliquot #5: Latitude: 33.56583272 N Longitude: 86.7913905 W

Media description: same as Aliq. #2

33.56579598 86.79114271

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:

HP0108

DATE:

12/6/12

ARRIVAL TIME:

0933

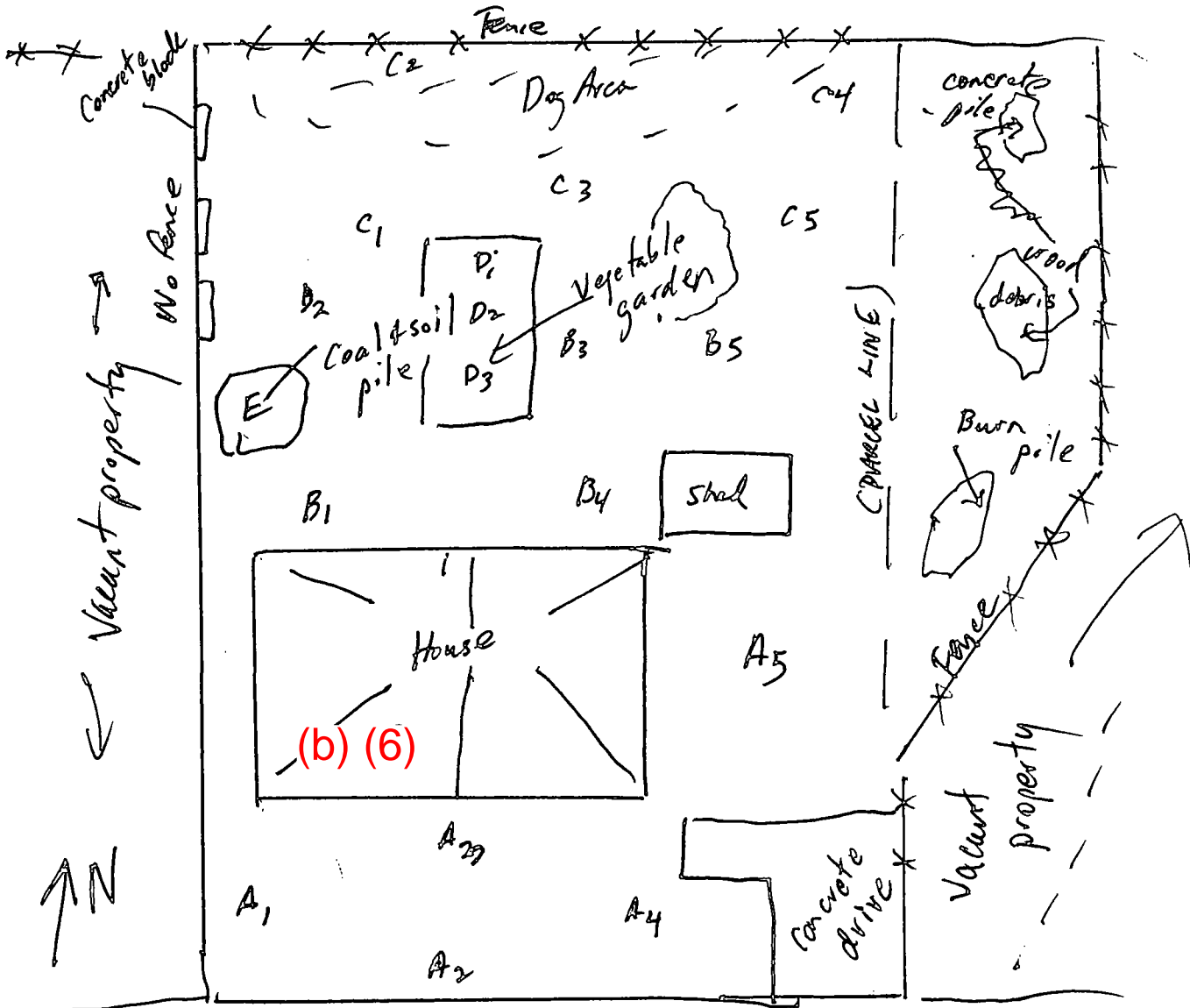
Other pertinent information (weather conditions, etc.):

Same as previous

PROPERTY COMMENTS:

Resident @ home. Unable to determine NE property line. Parcel map shows rectangular shaped parcel, but property is fenced indicating irregular shaped parcel to include northeast portion (see photos & sketch).

Grid for property sketch



(b) (6)



STATION ID: HP0108A

SAMPLE ID: HP0108A-CS-SP

SAMPLE COLLECTION TIME: 1124

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

front & east 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: HP0108A

GPS Coordinates: Trimble  Instrument #: 16144 Logged?  or N

Aliquot #1: Latitude: 33.56496821 N Longitude 86.79301598 W

Media description: dk brown silty clay w/ sm. coal fragments dry

Aliquot #2 Latitude: 33.56495440 N Longitude 86.79298629 W

Media description: brown silty clay w/ sm. coal fragments dry

Aliquot #3: Latitude: 33.56498753 N Longitude 86.79299266 W

Media description: Same as previous

Aliquot #4: Latitude: 33.56497474 N Longitude 86.79295558 W

Media description: Same as previous brown silty clay w/ sm. coal fragments dry

Aliquot #5: Latitude: 33.56508910 N Longitude 86.79292466 W

Media description: dk brown / blk silt w/ coal fragments dry

STATION ID: HP0108B

SAMPLE ID: HP0108B-CS-SP

SAMPLE COLLECTION TIME: 1050

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

1/2 back yard closest to house (south side)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0108B

GPS Coordinates: Trimble  Instrument #: 16144 Logged?  or N

Aliquot #1: Latitude: 33.56518884 N Longitude 86.79302086 W

Media description: dk brown silt w/ coal fragments

Aliquot #2 Latitude: 33.5652524057 N Longitude 86.79303543 W

Media description: same as above

Aliquot #3: Latitude: 33.56523955 N Longitude 86.79295936 W

Media description: same as above

Aliquot #4: Latitude: 33.79292124 N Longitude 86.79292124 W

Media description: same as above

Aliquot #5: Latitude: 33.56518996 N Longitude 86.79297309 W

Media description: same as above

ADDRESS: See previous \_\_\_\_\_ PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

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Grid for property sketch

*pl*

STATION ID: HP0108C SAMPLE ID: HP0108C-CS-SP

SAMPLE COLLECTION TIME: 1043

Description of sample location (front, back, side, yard; vegetable garden; play set; ditch, etc):  
1/2 back yard farthest from house (N side)

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>16144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.56527712</u>	N Longitude: <u>86.79302628</u>	W	
	Media description: <u>dk brown silt clay dry w/ coal fragments</u>			
Aliquot #2:	Latitude: <u>33.56534721</u>	N Longitude: <u>86.79300178</u>	W	
	Media description: <u>as above</u>			
Aliquot #3:	Latitude: <u>33.56529677</u>	N Longitude: <u>86.79297236</u>	W	
	Media description: <u>as above</u>			
Aliquot #4:	Latitude: <u>33.56532627</u>	N Longitude: <u>86.79291765</u>	W	
	Media description: <u>as above</u>			
Aliquot #5:	Latitude: <u>33.56527300</u>	N Longitude: <u>86.79290188</u>	W	
	Media description: <u>as above</u>			

STATION ID: HP0108D SAMPLE ID: HP0108D-CS-SP

SAMPLE COLLECTION TIME: 1050 <sup>1053</sup>

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: HP0108D

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>16144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.56522054</u>	N Longitude: <u>86.79298242</u>	W	
	Media description: <u>dk brown silty clay w/ very small coal fragments</u>			
Aliquot #2:	Latitude: <u>33.56524298</u>	N Longitude: <u>86.79298254</u>	W	
	Media description: _____			
Aliquot #3:	Latitude: <u>33.56525818</u>	N Longitude: <u>86.79297878</u>	W	
	Media description: _____			
Aliquot #4:	Latitude: _____	N Longitude: _____	W	
	Media description: _____			
Aliquot #5:	Latitude: _____	N Longitude: _____	W	
	Media description: _____			

ADDRESS: See previous PROPERTY ID: \_\_\_\_\_

DATE: \_\_\_\_\_ ARRIVAL TIME: \_\_\_\_\_

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

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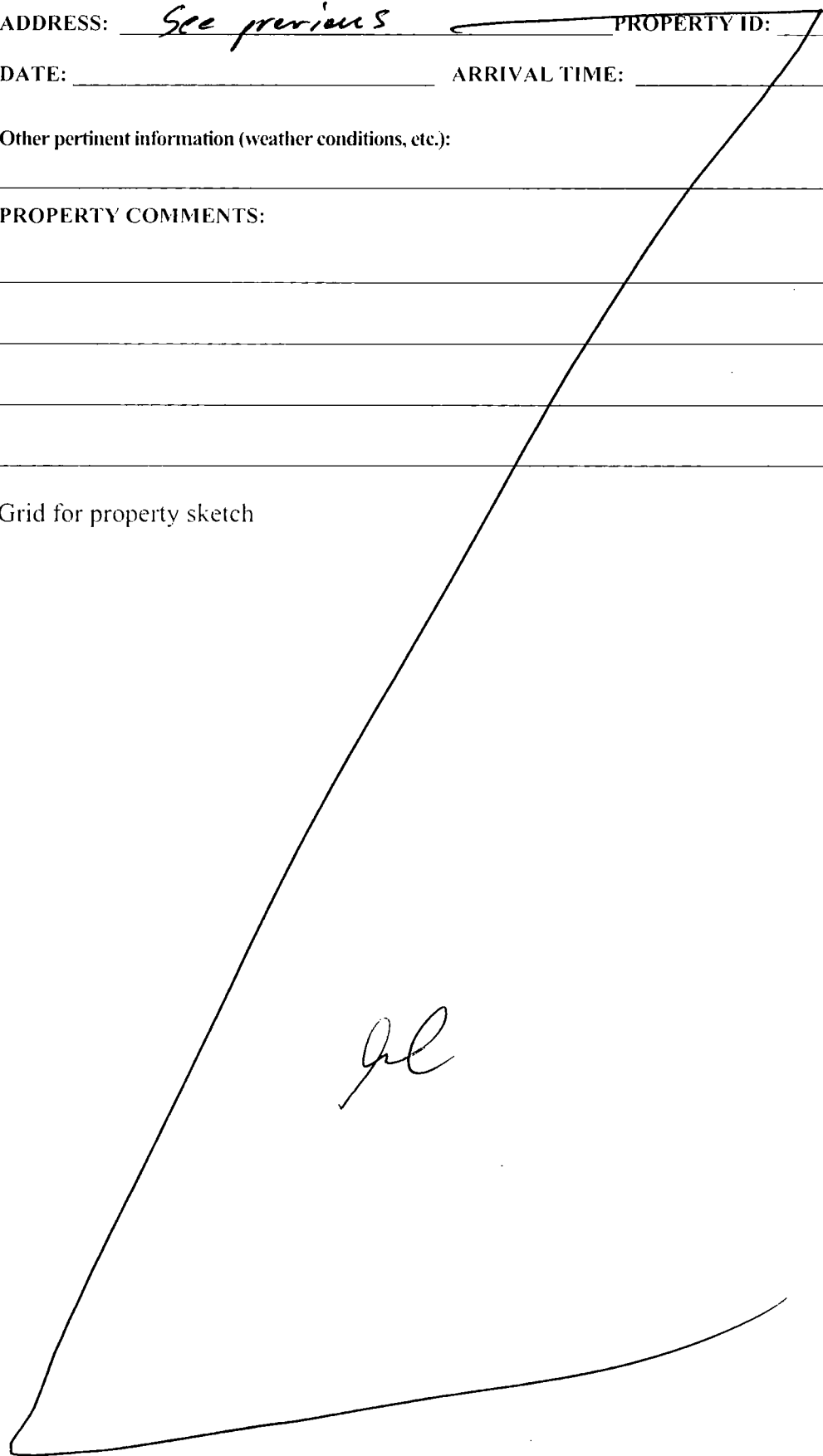
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Grid for property sketch



STATION ID: HP0108E SAMPLE ID: HP0108E-05

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):  
mulch/soil pile 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>16144</u> Logged: <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56515828</u> N Longitude: <u>86.79304550</u> W Media description: <u>mulch &amp; coal w/ some silt (lg. coal fragments)</u>
Aliquot #2: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #3: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #4: Latitude: _____ N Longitude: _____ W Media description: _____
Aliquot #5: Latitude: _____ N Longitude: _____ W Media description: _____

STATION ID: \_\_\_\_\_ SAMPLE ID: \_\_\_\_\_

SAMPLE COLLECTION TIME: \_\_\_\_\_

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

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

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

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

ADDRESS: **(b) (6)** PROPERTY ID: HP-0053

DATE: 12/7/12 ARRIVAL TIME: 0840

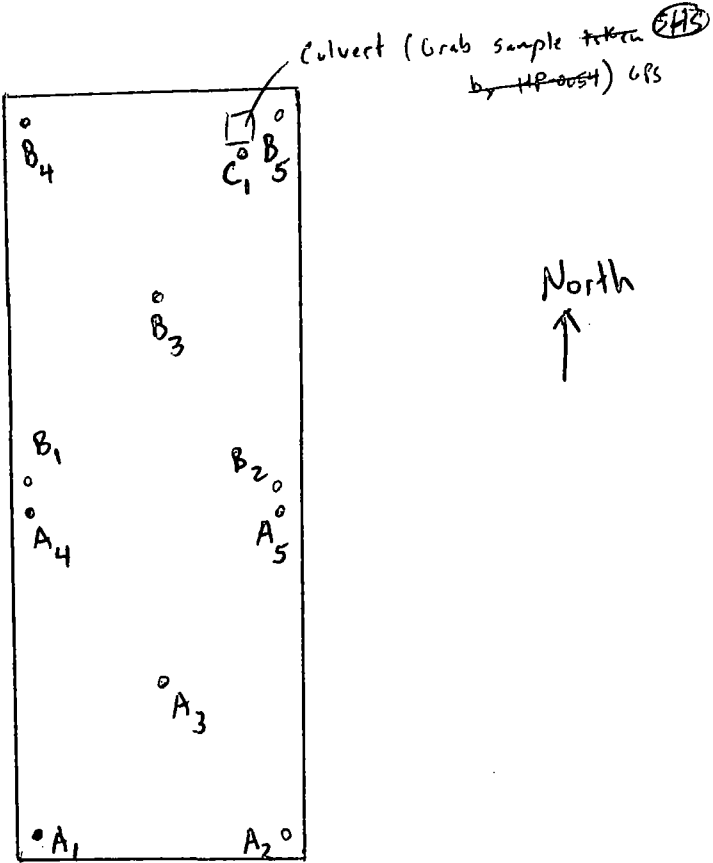
Other pertinent information (weather conditions, etc.):

Overcast @ 55° F

PROPERTY COMMENTS:

Vacant Property; 6,393 SF; Two Composite Samples

Grid for property sketch



**(b) (6)**

STATION ID: HP-0053 SAMPLE ID: HP-0053A-CS

SAMPLE COLLECTION TIME: 0853

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

Southern Portion of Property

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>016144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.56408659</u>	N Longitude: <u>-86.79378961</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #2: Latitude: <u>33.56408668</u>	N Longitude: <u>-86.79363538</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #3: Latitude: <u>33.56414904</u>	N Longitude: <u>-86.79371308</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #4: Latitude: <u>33.56422899</u>	N Longitude: <u>-86.79378199</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #5: Latitude: <u>33.56421513</u>	N Longitude: <u>-86.79363608</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			

STATION ID: HP-0053 SAMPLE ID: HP-0053B-CS

SAMPLE COLLECTION TIME: 0915

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

Northern Portion of Property

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>016144</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1: Latitude: <u>33.56428146</u>	N Longitude: <u>-86.79377583</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #2: Latitude: <u>33.56427777</u>	N Longitude: <u>-86.79364102</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #3: Latitude: <u>33.56434918</u>	N Longitude: <u>86.79370340</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #4: Latitude: <u>33.56442731</u>	N Longitude: <u>86.79377834</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			
Aliquot #5: Latitude: <u>33.56443445</u>	N Longitude: <u>86.79363264</u>		W
Media description: <u>Dark Brown Silty Soil, Dry, Coal Fragments</u>			

ADDRESS: (b) (6)

PROPERTY ID: HP-0053

DATE: 12/7/12

ARRIVAL TIME: 0840

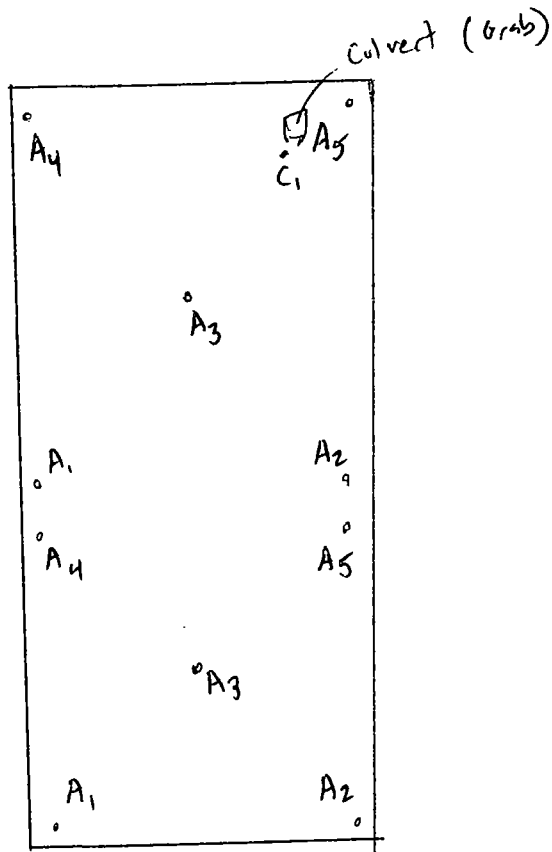
Other pertinent information (weather conditions, etc.):

Overcast @ 55°F

PROPERTY COMMENTS:

Vacant Property; 6,393 SF; Two composite samples

Grid for property sketch



(b) (6)



STATION ID: HP-0053 SAMPLE ID: HP-0053C-6S

SAMPLE COLLECTION TIME: 0915

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

Drainage Culvert on Northern Portion of Site.

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>016144</u> Logged? <input checked="" type="checkbox"/> Y or N	
Aliquot #1: Latitude: <u>33.564396669</u> N Longitude: <u>-86.79369346</u> W	
Media description: <u>Dark Brown Silty Soil, Dry</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: \_\_\_\_\_~~

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

ADDRESS: (b) (6)

PROPERTY ID: HP-0111

DATE: 12/7/12 ARRIVAL TIME: 0950

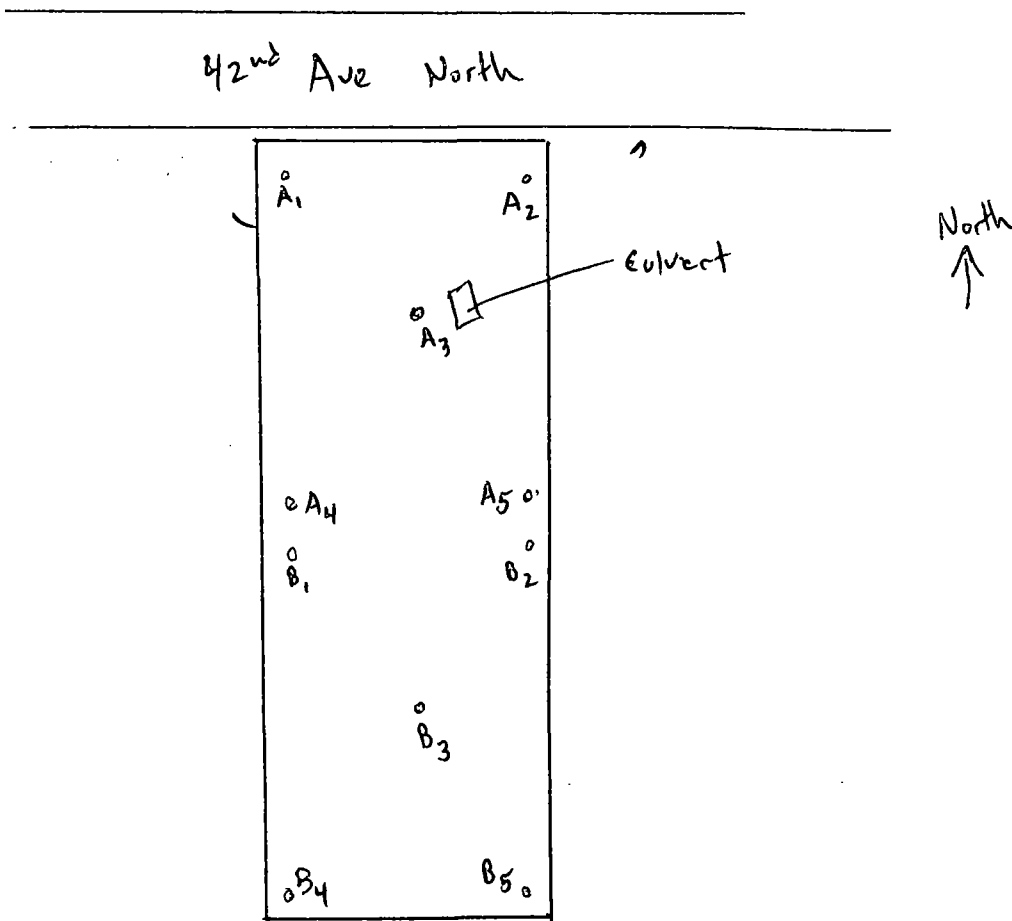
Other pertinent information (weather conditions, etc.):

Overcast @ 60°F

PROPERTY COMMENTS:

Vacant Property; 6,377 SF; Two Composite Samples and One Grab  
Drainage Culvert on Northern Portion of Site.

Grid for property sketch



STATION ID: HP-0111 SAMPLE ID: HP-0111A-CS

SAMPLE COLLECTION TIME: 1000

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

Northern Portion of the property

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>016144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56484990</u> N Longitude <u>86.79346179</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #2: Latitude: <u>33.56485438</u> N Longitude <u>86.79330968</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #3: Latitude: <u>33.56477088</u> N Longitude <u>86.79338224</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #4: Latitude: <u>33.56467498</u> N Longitude <u>86.79346689</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #5: Latitude: <u>33.56467009</u> N Longitude <u>86.79332966</u> W Media description: <u>Brown Silty Clay, Dry</u>

STATION ID: HP-0111 SAMPLE ID: HP-0111B-CS

SAMPLE COLLECTION TIME: 1002

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

Southern Portion of the property.

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>016144</u> Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56462233</u> N Longitude <u>86.79347181</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #2: Latitude: <u>33.56460995</u> N Longitude <u>86.79334200</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #3: Latitude: <u>33.56452102</u> N Longitude <u>86.79340549</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #4: Latitude: <u>33.56445345</u> N Longitude <u>86.79348718</u> W Media description: <u>Brown Silty Clay, Dry</u>
Aliquot #5: Latitude: <u>33.56445823</u> N Longitude <u>86.79334281</u> W Media description: <u>Brown Silty Clay, Dry</u>

(b) (6)

ADDRESS: \_\_\_\_\_ PROPERTY ID: HP-0111

DATE: 12/7/12 ARRIVAL TIME: 0950

Other pertinent information (weather conditions, etc.):

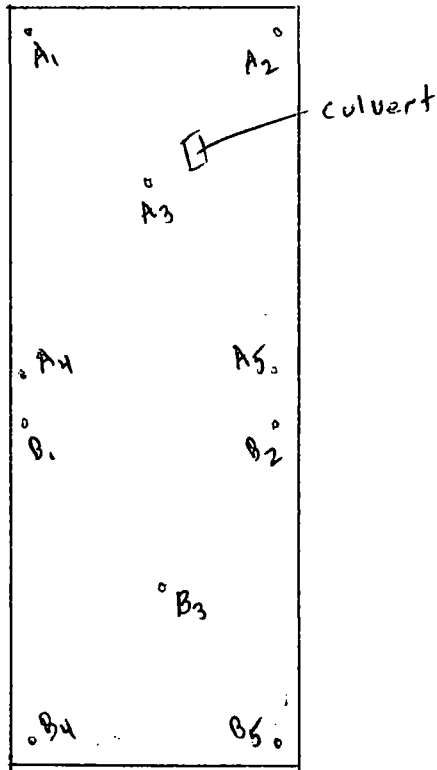
Overcast @ 60°F

PROPERTY COMMENTS:

Vacant Property; 6,377 SF; Two Composite Samples and one  
Grab Sample.

Grid for property sketch

42nd Ave North



STATION ID: HP-0111 SAMPLE ID: HP-0111C-G5

SAMPLE COLLECTION TIME: 1014

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

Drainage Culvert

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>016144</u> Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.56476749</u> N Longitude: <u>86.79329236</u> W	
Media description: <u>Brown Silty Clay, Dry</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: \_\_\_\_\_~~

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

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