

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 1 of 1

Inclusive Dates: 4/29/13 - 5/2/13

List of Sampling Team in logbook:

(b) (6)

Initials

Organization/Duties

DR

OTIE, Team Leader

[Signature]

JA

OTIE

Sampling Procedures and Methodology

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

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

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq $\frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

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

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

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

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

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

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

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

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

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

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

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

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

(b) (6)

ADDRESS:

PROPERTY ID: CV0371

DATE: 4/29/13

ARRIVAL TIME: 1310

Other pertinent information (weather conditions, etc.):

76° Sunny

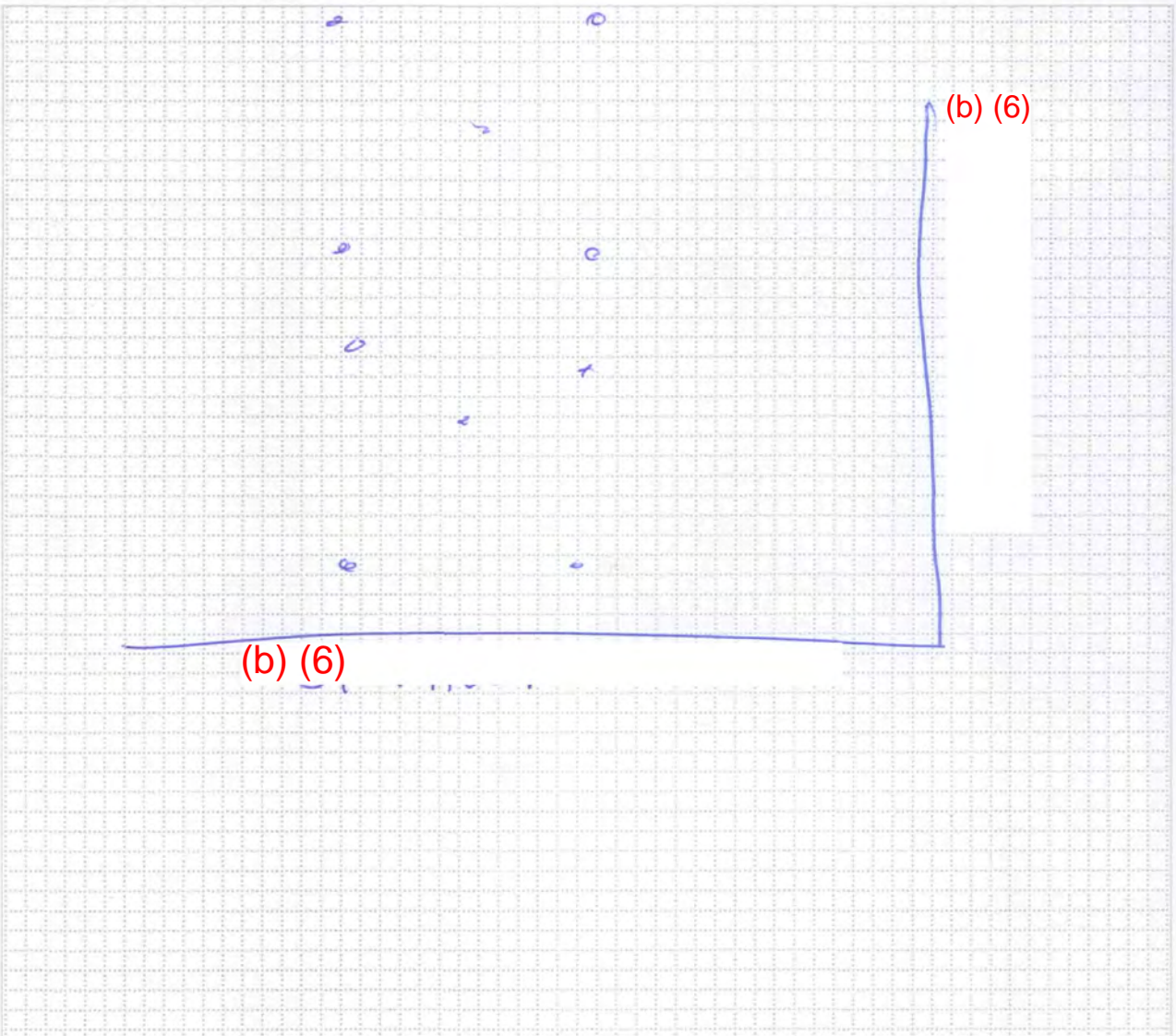
PROPERTY COMMENTS:

empty Parcel

(b) (6)

is part of other parcels

Grid for property sketch



STATION ID: CV0731 SAMPLE ID: CV0731A-CS

SAMPLE COLLECTION TIME: 1322

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0731A-CS-SP

| | | | |
|--------------------|--|--------------------------------|----------------|
| GPS Coordinates: | Trimble <input checked="" type="checkbox"/> | Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: | Latitude: <u>33.55807353</u> | N Longitude <u>86.80508087</u> | W |
| Media description: | <u>Brown-orange silt w/ gravel & coal fragment</u> | | |
| Aliquot #2: | Latitude: <u>33.55795017</u> | N Longitude <u>86.80507029</u> | W |
| Media description: | <u>Dark Brown silt</u> | | |
| Aliquot #3: | Latitude: <u>33.55801636</u> | N Longitude <u>86.80513457</u> | W |
| Media description: | <u>SAME A1</u> | | |
| Aliquot #4: | Latitude: <u>33.55795030</u> | N Longitude <u>86.80519178</u> | W |
| Media description: | <u>SAME A2</u> | | |
| Aliquot #5: | Latitude: <u>33.55807571</u> | N Longitude <u>86.80520136</u> | W |
| Media description: | <u>SAME A2</u> | | |

STATION ID: CV0731 SAMPLE ID: CV0731B-CS

SAMPLE COLLECTION TIME: 1333

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0731B-CS-SP

| | | | |
|--------------------|--|--------------------------------|----------------|
| GPS Coordinates: | Trimble <input checked="" type="checkbox"/> | Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: | Latitude: <u>33.55807158</u> | N Longitude <u>86.80526235</u> | W |
| Media description: | <u>Dark Brown silty clay w/ coal - Dry</u> | | |
| Aliquot #2: | Latitude: <u>33.55795090</u> | N Longitude <u>86.80523856</u> | W |
| Media description: | <u>Same A1</u> | | |
| Aliquot #3: | Latitude: <u>33.55801018</u> | N Longitude <u>86.80530280</u> | W |
| Media description: | <u>Dark Browns silt w/ orange clay w/ coal - Dry</u> | | |
| Aliquot #4: | Latitude: <u>33.55794714</u> | N Longitude <u>86.80533157</u> | W |
| Media description: | <u>Same A1</u> | | |
| Aliquot #5: | Latitude: <u>33.55806942</u> | N Longitude <u>86.80533082</u> | W |
| Media description: | <u>SAME B3</u> | | |

ADDRESS: (b) (6)

PROPERTY ID: CV0728

DATE: 4/29/13

ARRIVAL TIME: 1345

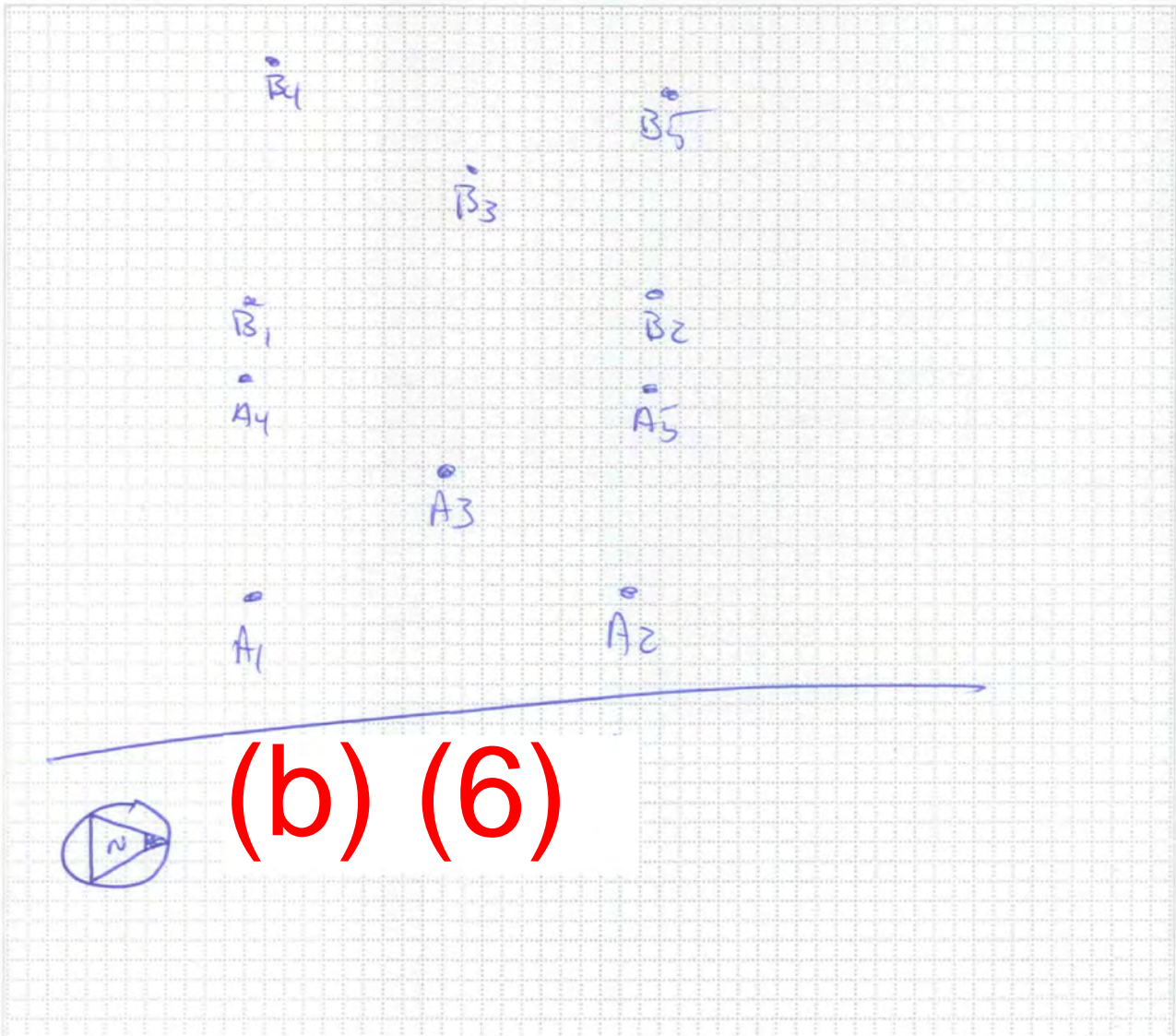
Other pertinent information (weather conditions, etc.):

80° sunny

PROPERTY COMMENTS:

Empty side yard.

Grid for property sketch



STATION ID: CV0128 SAMPLE ID: CV0728A-CS

SAMPLE COLLECTION TIME: 1351

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

Empty 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: CV0728A-CS-SF

| | | |
|--|---------------------------------|----------------|
| GPS Coordinates: Trimble <input checked="" type="checkbox"/> | Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55948414</u> | N Longitude: <u>86.80503715</u> | W |
| Media description: <u>Dark Brown silt-Dry</u> | | |
| Aliquot #2: Latitude: <u>33.55955573</u> | N Longitude: <u>86.80503506</u> | W |
| Media description: <u>Same A1</u> | | |
| Aliquot #3: Latitude: <u>33.55950939</u> | N Longitude: <u>86.80509225</u> | W |
| Media description: <u>Brown silty clay - moist</u> | | |
| Aliquot #4: Latitude: <u>33.55947811</u> | N Longitude: <u>86.80513459</u> | W |
| Media description: <u>Same A3</u> | | |
| Aliquot #5: Latitude: <u>33.55956278</u> | N Longitude: <u>86.80514567</u> | W |
| Media description: <u>Same A3</u> | | |

STATION ID: CV0128 SAMPLE ID: CV0728B-CS

SAMPLE COLLECTION TIME: 1357

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

Empty 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: CV0728B-CS-SF

| | | |
|--|---------------------------------|----------------|
| GPS Coordinates: Trimble <input checked="" type="checkbox"/> | Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55948051</u> | N Longitude: <u>86.80519687</u> | W |
| Media description: <u>Brown silty clay - moist</u> | | |
| Aliquot #2: Latitude: <u>33.55953984</u> | N Longitude: <u>86.80519090</u> | W |
| Media description: <u>Same B1</u> | | |
| Aliquot #3: Latitude: <u>33.55951632</u> | N Longitude: <u>86.80525717</u> | W |
| Media description: <u>Black silt moist</u> | | |
| Aliquot #4: Latitude: <u>33.55945907</u> | N Longitude: <u>86.80530179</u> | W |
| Media description: <u>Same B1</u> | | |
| Aliquot #5: Latitude: <u>33.55955555</u> | N Longitude: <u>86.80531326</u> | W |
| Media description: <u>Same B1</u> | | |

(b) (6)

ADDRESS:

PROPERTY ID:

CV0727

DATE:

4-29-13

ARRIVAL TIME:

01415

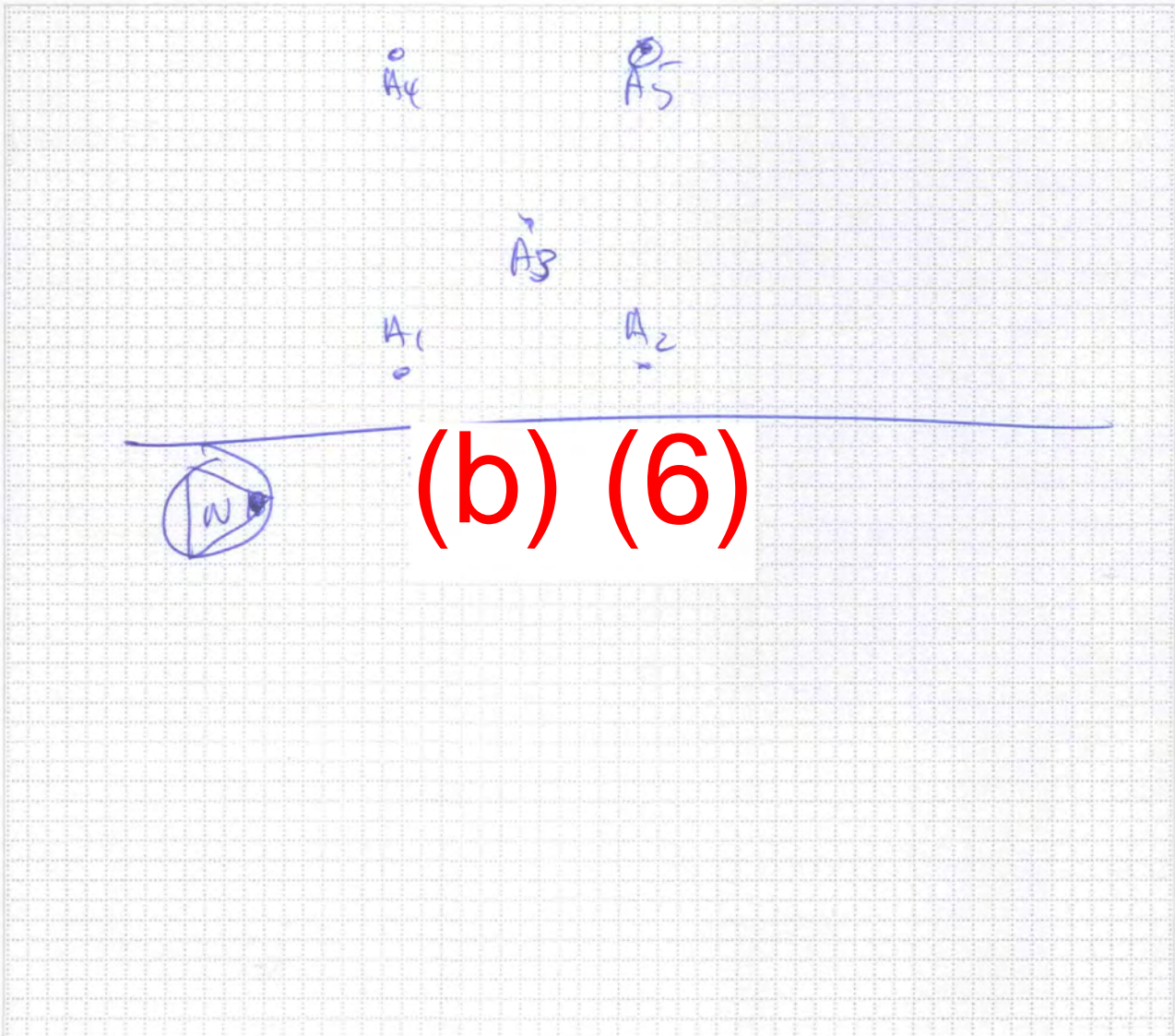
Other pertinent information (weather conditions, etc.):

76° Sunny

PROPERTY COMMENTS:

Empty Pool

Grid for property sketch



STATION ID: CV0727

SAMPLE ID: CV0727A-CS

SAMPLE COLLECTION TIME: 1424

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: No If yes, indicate Duplicate/split sample station ID: CV0727A-CS-SP

| | | | |
|--|-------------|--------------------|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> | | Logged? Y or N | |
| Aliquot #1: Latitude: <u>33.56027438</u> | N Longitude | <u>86.80405941</u> | W |
| Media description: <u>Brown silty clay & orange clay w/ coal & dry</u> | | | |
| Aliquot #2: Latitude: <u>33.56031798</u> | N Longitude | <u>86.80404909</u> | W |
| Media description: <u>same A1</u> | | | |
| Aliquot #3: Latitude: <u>33.56029821</u> | N Longitude | <u>86.80417147</u> | W |
| Media description: <u>Brown silty clay-moist</u> | | | |
| Aliquot #4: Latitude: <u>33.56029052</u> | N Longitude | <u>86.80430362</u> | W |
| Media description: <u>same A1</u> | | | |
| Aliquot #5: Latitude: <u>33.56032277</u> | N Longitude | <u>86.80430680</u> | W |
| Media description: <u>same A1</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 #: <u>RP</u> | | Logged? Y or N | |
| Aliquot #1: Latitude: _____ | N Longitude | _____ | W |
| Media description: _____ | | | |
| Aliquot #2: Latitude: <u>4/29/13</u> | 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: CV0670

DATE:

4/30/13

ARRIVAL TIME:

0845

Other pertinent information (weather conditions, etc.):

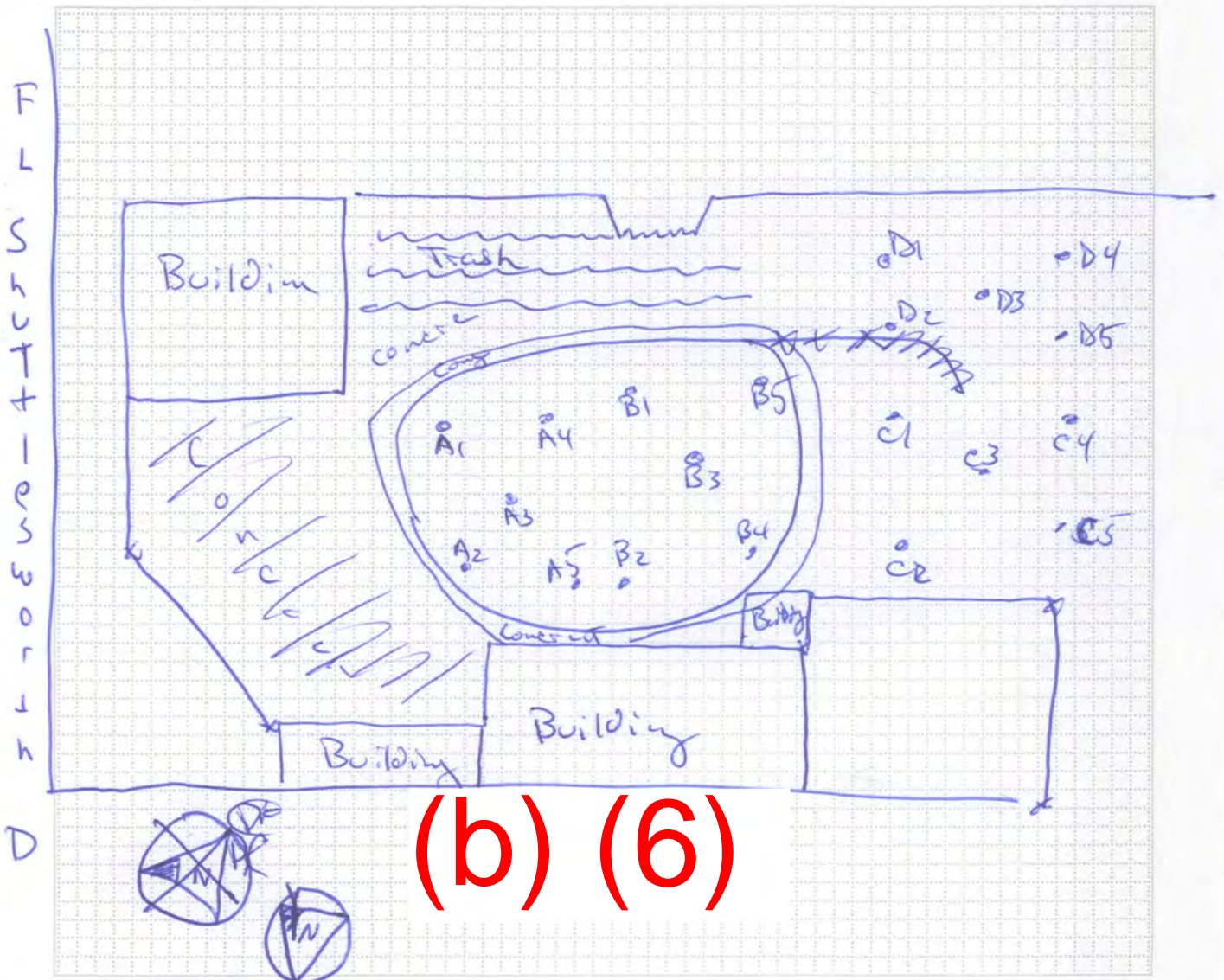
PROPERTY COMMENTS:

~~Address~~ Vacant warehouse. Split samples w/

(b) (6)

(GMC)

Grid for property sketch



STATION ID: CV0670 SAMPLE ID: CV0670A-CS-SP

SAMPLE COLLECTION TIME: 0910

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

northwest side 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: CV0670A-CS-SP

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? <input checked="" type="checkbox"/> or N |
| Aliquot #1: Latitude: <u>33.56037430</u> N Longitude <u>86.79890447</u> W Media description: <u>thin layer black silt & sand & gravel followed by gravel/concrete</u> |
| Aliquot #2: Latitude: <u>33.56026835</u> N Longitude <u>86.79900498</u> W Media description: <u>same as #1</u> |
| Aliquot #3: Latitude: <u>33.56030960</u> N Longitude <u>86.79890488</u> W Media description: <u>same as #1</u> |
| Aliquot #4: Latitude: <u>33.56037052</u> N Longitude <u>86.79893290</u> W Media description: <u>same as #1</u> |
| Aliquot #5: Latitude: <u>33.56022376</u> N Longitude <u>86.79888099</u> W Media description: <u>same as #1</u> |

STATION ID: CV0670B SAMPLE ID: CV0670B-CS-SP

SAMPLE COLLECTION TIME: 0915

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

north central 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: CV0670B-CS-SP

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? <input checked="" type="checkbox"/> or N |
| Aliquot #1: Latitude: <u>33.56037763</u> N Longitude <u>86.79875164</u> W Media description: <u>blk sandy silt w/ gravel & coal frags dry</u> |
| Aliquot #2: Latitude: <u>33.56018349</u> N Longitude <u>86.79882801</u> W Media description: <u>brn silty sand dry moist</u> |
| Aliquot #3: Latitude: <u>33.56028682</u> N Longitude <u>86.79871263</u> W Media description: <u>same as #1</u> |
| Aliquot #4: Latitude: <u>33.56016829</u> N Longitude <u>86.79866989</u> W Media description: <u>gray sand & gravel dry</u> |
| Aliquot #5: Latitude: <u>33.56033619</u> N Longitude <u>86.79859736</u> W Media description: <u>same as #1</u> |

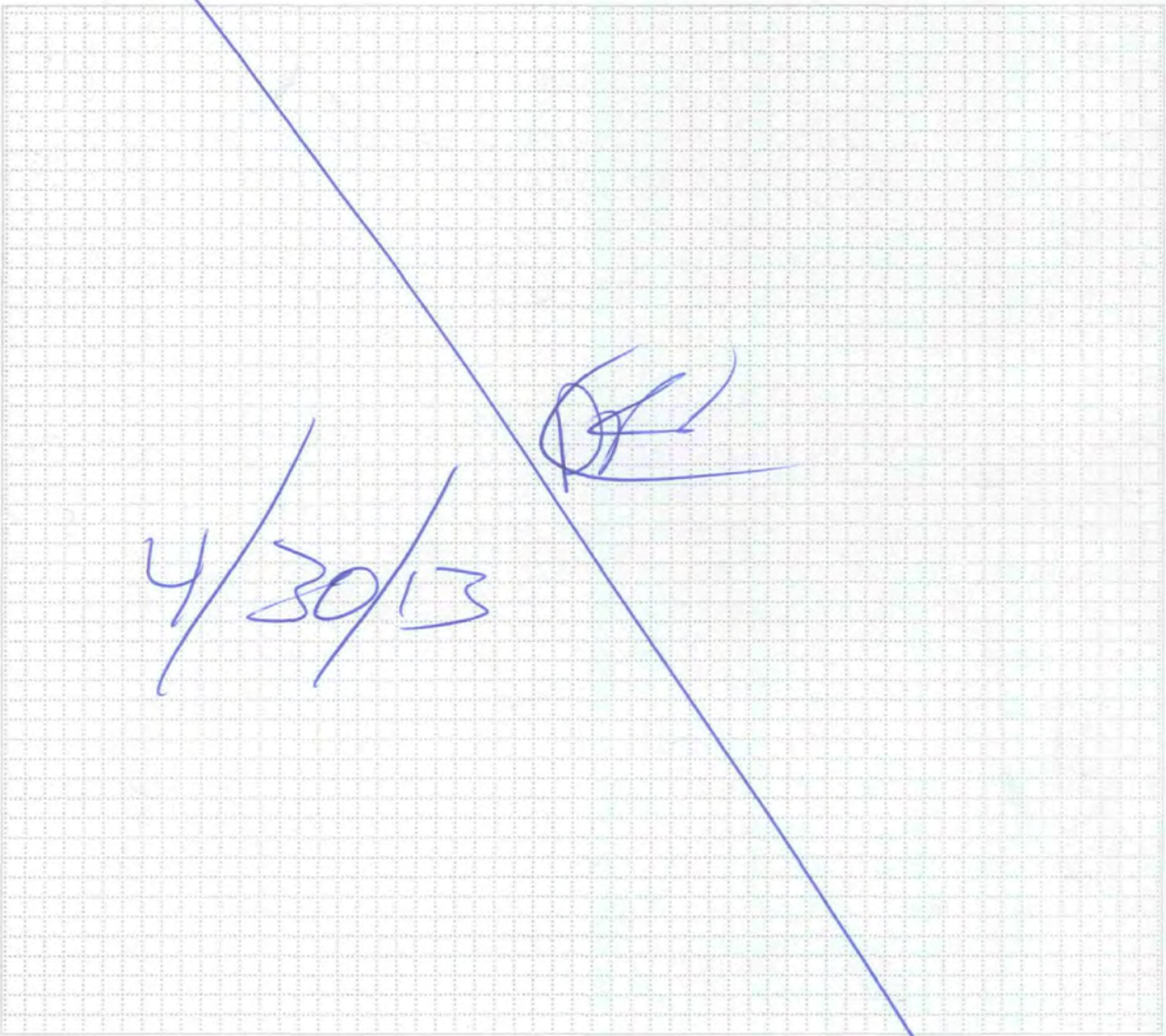
ADDRESS: cont PROPERTY ID: Cv0670

DATE: 4/30/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0670 SAMPLE ID: CV0670C-CS

SAMPLE COLLECTION TIME: 0936

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
East part 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: CV0670C-CS-S

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? <input checked="" type="checkbox"/> or N |
| Aliquot #1: Latitude: <u>33.56016969</u> N Longitude <u>86.79844342</u> W Media description: <u>Dark Brown silt w/ gravel - Dry</u> |
| Aliquot #2: Latitude: <u>33.56010545</u> N Longitude <u>86.79851093</u> W Media description: <u>Same c1</u> |
| Aliquot #3: Latitude: <u>33.56009710</u> N Longitude <u>86.79841063</u> W Media description: <u>Reddish Brown clay with Gravel - Dry</u> |
| Aliquot #4: Latitude: <u>33.56009475</u> N Longitude <u>86.79825329</u> W Media description: <u>Same c3</u> |
| Aliquot #5: Latitude: <u>86.79831327</u> N Longitude <u>33.56000658</u> W Media description: <u>Same c3</u> |

STATION ID: CV0670 SAMPLE ID: CV0670D-CS

SAMPLE COLLECTION TIME: 0948

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Northeast part 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: CV0670D-CS-S

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? <input checked="" type="checkbox"/> or N |
| Aliquot #1: Latitude: <u>33.56023427</u> N Longitude <u>86.79833006</u> W Media description: <u>brown silty clay w/ gravel dry</u> |
| Aliquot #2: Latitude: <u>33.56018554</u> N Longitude <u>86.79835315</u> W Media description: <u>reddish brown clay w/ gravel dry</u> |
| Aliquot #3: Latitude: <u>33.56019143</u> N Longitude <u>86.79828319</u> W Media description: <u>same as #2</u> |
| Aliquot #4: Latitude: <u>33.56017561</u> N Longitude <u>86.7989032</u> W Media description: <u>same as #2</u> |
| Aliquot #5: Latitude: <u>33.56013211</u> N Longitude <u>86.79822703</u> W Media description: <u>same as #2</u> |

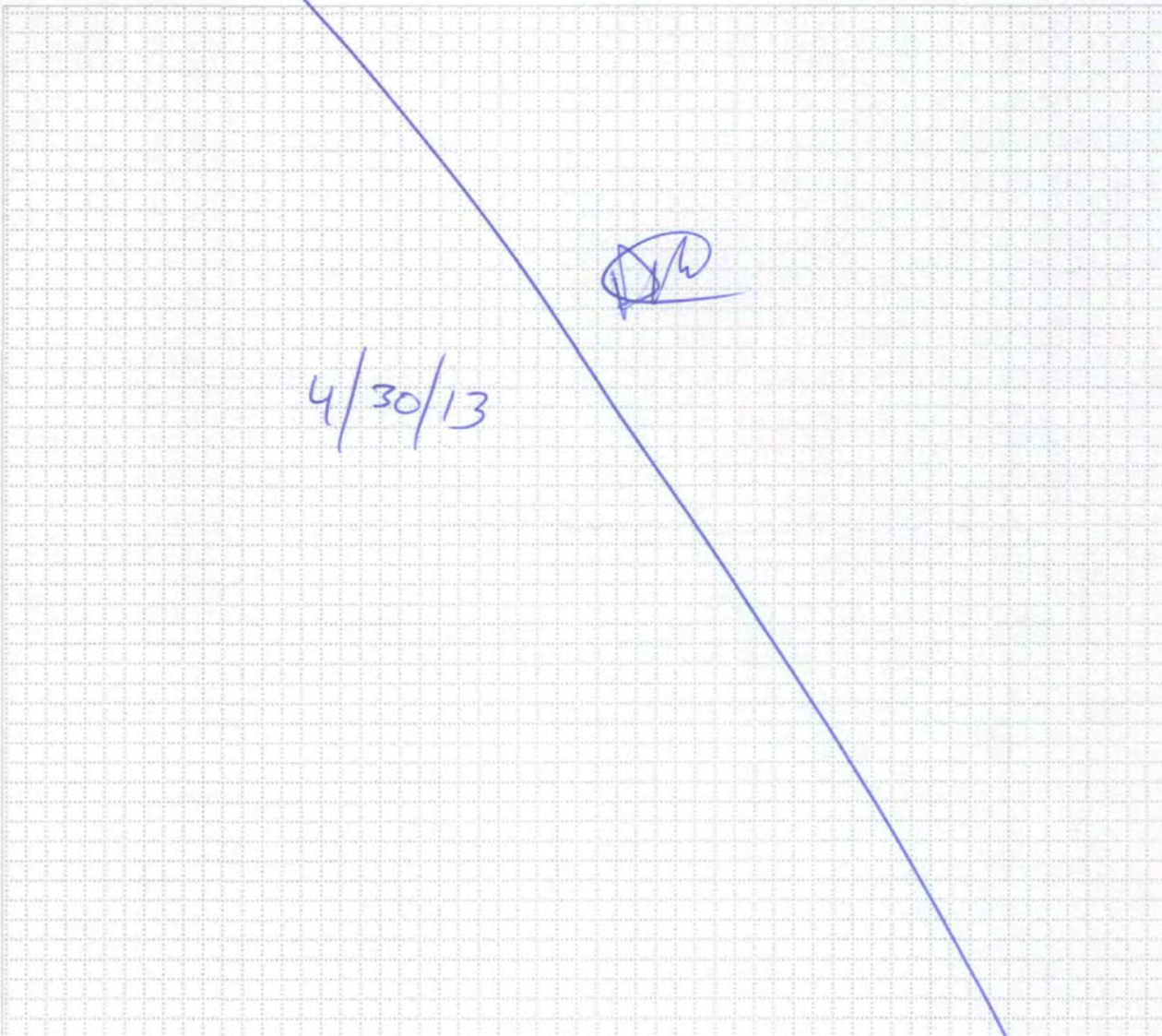
ADDRESS: cont PROPERTY ID: CV0620

DATE: 4/30/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0670 SAMPLE ID: CV0670E-CS

SAMPLE COLLECTION TIME: 1015

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

For East Parcel - Playset Belongs 3805

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0670E-CS-SP

| | | | | | |
|------------------|---|--|---------------|--------------------|--------|
| GPS Coordinates: | Trimble [<input checked="" type="checkbox"/>] | Instrument #: | <u>020168</u> | Logged? | Y or N |
| Aliquot #1: | Latitude: | | N Longitude | <u>86.79840073</u> | W |
| | Media description: | <u>33.55953694 / Brown sandy silt w/grease</u> | | | |
| Aliquot #2: | Latitude: | <u>33.55950994</u> | N Longitude | <u>86.7987433</u> | W |
| | Media description: | <u>Dark Brown s.lty clay - wet</u> | | | |
| Aliquot #3: | Latitude: | <u>33.55958844</u> | N Longitude | <u>86.79832645</u> | W |
| | Media description: | <u>SAME E2</u> | | | |
| Aliquot #4: | Latitude: | <u>33.55967601</u> | N Longitude | <u>86.79829411</u> | W |
| | Media description: | <u>SAME E2</u> | | | |
| Aliquot #5: | Latitude: | <u>33.55965132</u> | N Longitude | <u>86.79826417</u> | W |
| | Media description: | <u>SAME E2</u> | | | |

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

Collection: Composite or Grab

MS/MSD? Y or N

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

| | | | | | |
|------------------|--------------------------------------|----------------|-------------|---------|--------|
| GPS Coordinates: | Trimble [<input type="checkbox"/>] | Instrument #: | | Logged? | Y or N |
| Aliquot #1: | Latitude: | | N Longitude | | W |
| | Media description: | | | | |
| Aliquot #2: | Latitude: | <u>9/30/13</u> | 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: CV066Z

DATE: 4/30/13

ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):

69° Sunny

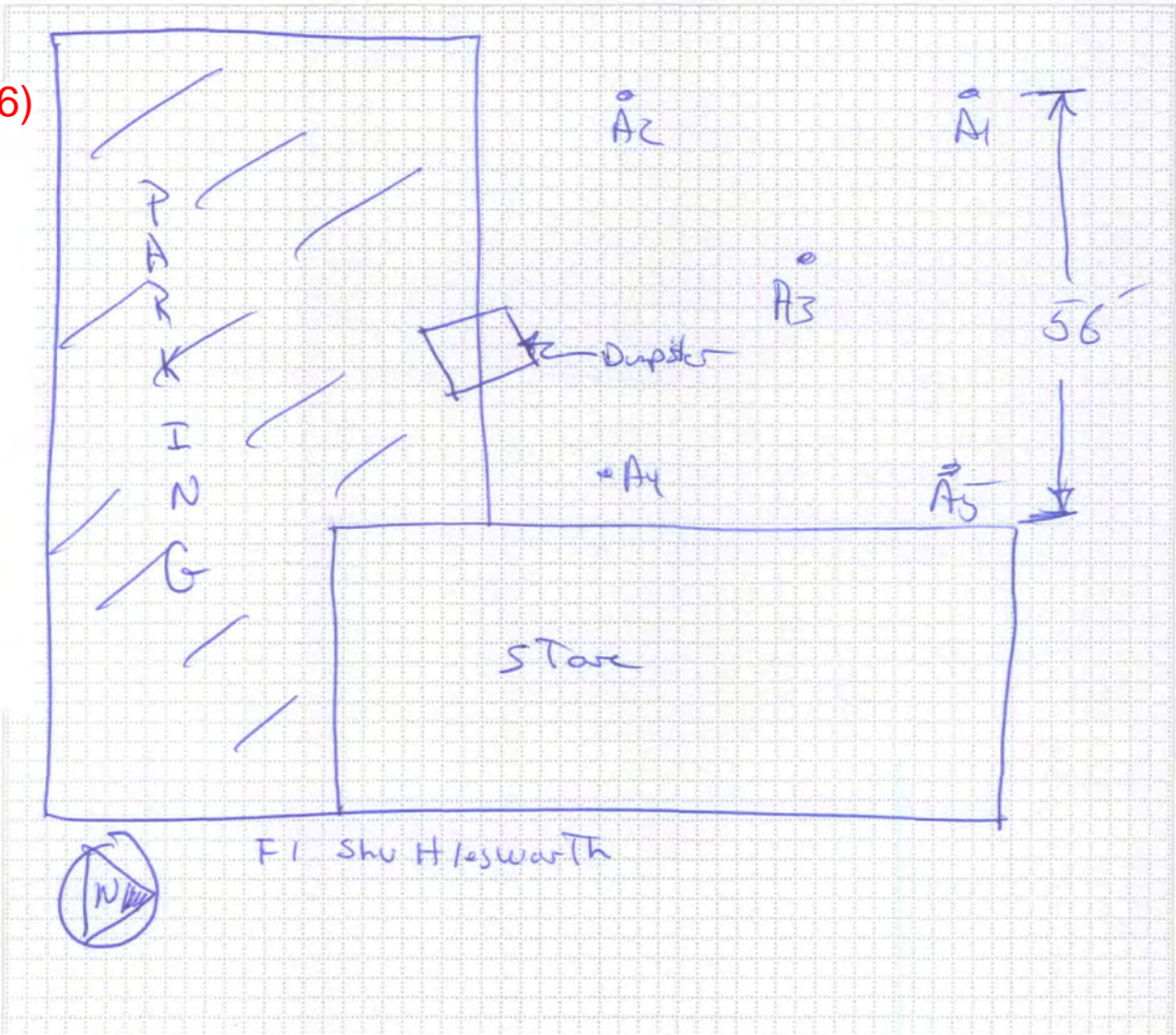
PROPERTY COMMENTS:

side lot of store

most of Parcel covered By Parking

Grid for property sketch

(b) (6)



STATION ID: CV0662 SAMPLE ID: CV0662A-CS

SAMPLE COLLECTION TIME: 1035

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

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0662A-CS-SP

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.56027956</u> N Longitude: <u>86.80060423</u> W Media description: <u>Dark Brown silty clay + Trash</u> |
| Aliquot #2: Latitude: <u>33.56022729</u> N Longitude: <u>86.80065174</u> W Media description: <u>Brown silty clay + Trash</u> |
| Aliquot #3: Latitude: <u>33.56019415</u> N Longitude: <u>86.80054512</u> W Media description: <u>SAME A1</u> |
| Aliquot #4: Latitude: <u>33.56017268</u> N Longitude: <u>86.80042722</u> W Media description: <u>SAME A1</u> |
| Aliquot #5: Latitude: <u>33.56010960</u> N Longitude: <u>86.80049278</u> W Media description: <u>SAME A1</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: <u>4/30/13</u> 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:

CV0963

DATE:

4/30/13

ARRIVAL TIME:

1230

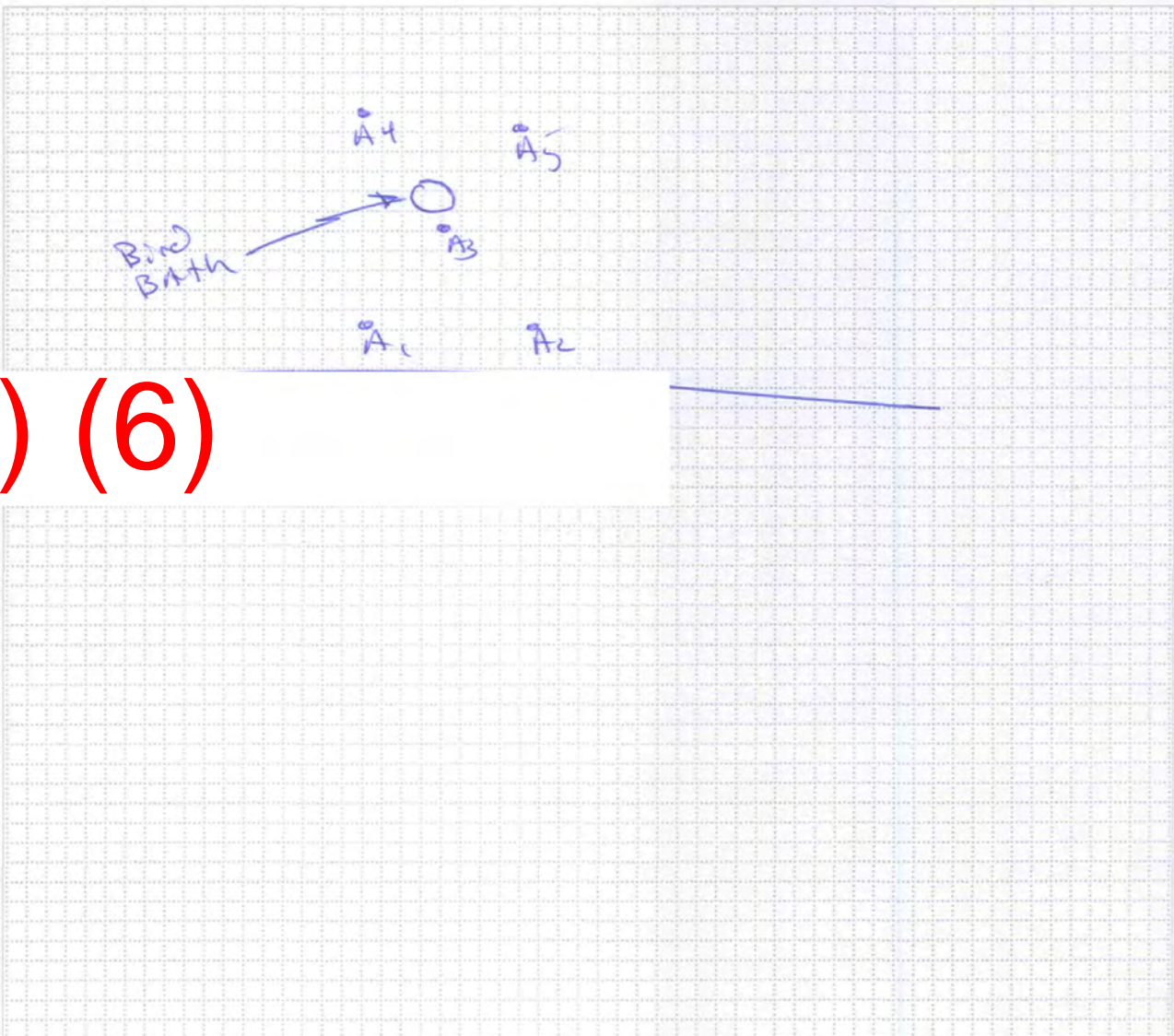
Other pertinent information (weather conditions, etc.):

82°

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



(b) (6)

STATION ID: CV0963

SAMPLE ID: CV0963A-CS

SAMPLE COLLECTION TIME: 1240

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0963A-CS-SP

| | | | |
|--|---------------------------------|----------------|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> | | Logged? Y or N | |
| Aliquot #1: Latitude: <u>33.55357934</u> | N Longitude: <u>86.79918846</u> | W | |
| Media description: <u>Dark Brown silty Clay + coal fragments</u> | | | |
| Aliquot #2 Latitude: <u>33.55361499</u> | N Longitude: <u>86.79918089</u> | W | |
| Media description: <u>Dark Brown silty Clay</u> | | | |
| Aliquot #3: Latitude: <u>SAME A1</u> | N Longitude: <u>86.79932685</u> | W | |
| Media description: <u>SAME A1</u> | | | |
| Aliquot #4: Latitude: <u>33.55358584</u> | N Longitude: <u>86.79944621</u> | W | |
| Media description: <u>SAME A2</u> | | | |
| Aliquot #5: Latitude: <u>33.55362674</u> | N Longitude: <u>86.79944653</u> | W | |
| Media description: <u>SAME A2</u> | | | |

STATION ID: _____

SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

Collection: Composite or Grab

MS/MSD? Y or N

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

| | | | |
|---|--------------------|----------------|--|
| GPS Coordinates: Trimble [<input type="checkbox"/>] Instrument #: _____ | | Logged? Y or N | |
| Aliquot #1: Latitude: _____ | N Longitude: _____ | W | |
| Media description: _____ | | | |
| Aliquot #2 Latitude: _____ | N Longitude: _____ | W | |
| Media description: _____ | | | |
| Aliquot #3: Latitude: _____ | N Longitude: _____ | W | |
| Media description: _____ | | | |
| Aliquot #4: Latitude: _____ | N Longitude: _____ | W | |
| Media description: _____ | | | |
| Aliquot #5: Latitude: _____ | N Longitude: _____ | W | |
| Media description: _____ | | | |

(b) (6)

ADDRESS: EV

PROPERTY ID: CV0988

DATE: 4/30/13

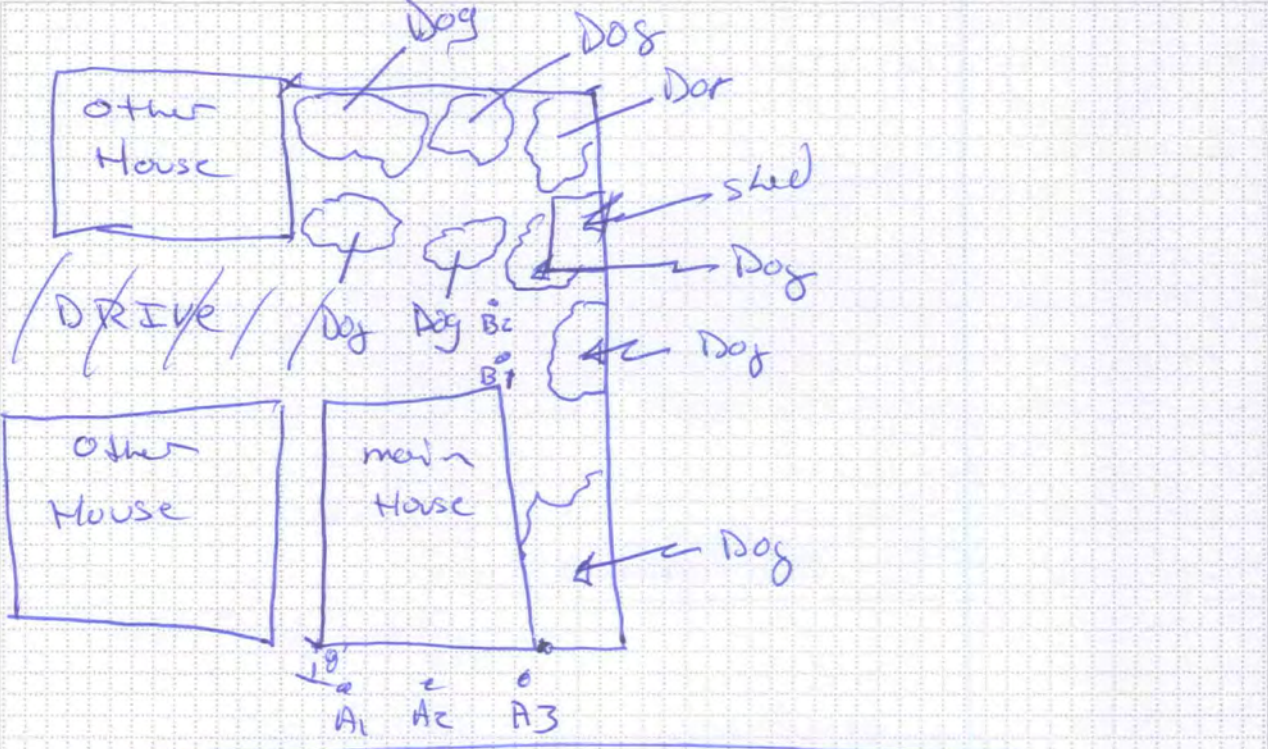
ARRIVAL TIME: 1250

Other pertinent information (weather conditions, etc.):

82° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0988 SAMPLE ID: CV0988A-CS

SAMPLE COLLECTION TIME: 1310

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: CV0988A-CS-D

| | |
|---|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N | |
| Aliquot #1: Latitude: <u>33.54966811</u> N Longitude <u>86.80205604</u> W | Media description: <u>Dark Brown silt with gravel</u> |
| Aliquot #2: Latitude: <u>33.54966798</u> N Longitude <u>86.80201706</u> W | Media description: <u>Dark Brown silt</u> |
| Aliquot #3: Latitude: <u>33.54967118</u> N Longitude <u>86.80197993</u> W | Media description: <u>SAME B2</u> |
| Aliquot #4: Latitude: _____ N Longitude _____ W | Media description: _____ |
| Aliquot #5: Latitude: <u>4/30/13</u> N Longitude _____ W | Media description: _____ |

STATION ID: CV0988 SAMPLE ID: CV0988B3-CS

SAMPLE COLLECTION TIME: 1300

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

Backyard 8 Days in Back yard NOT much sample here

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>020168</u> Logged? Y or N | |
| Aliquot #1: Latitude: <u>33.54992978</u> N Longitude <u>86.80199405</u> W | Media description: <u>Dark Brown sandy silt w/ coal fragments</u> |
| Aliquot #2: Latitude: <u>33.5498379</u> N Longitude <u>86.80198594</u> W | Media description: <u>SAME B2</u> |
| Aliquot #3: Latitude: _____ N Longitude _____ W | Media description: _____ |
| Aliquot #4: Latitude: _____ N Longitude _____ W | Media description: _____ |
| Aliquot #5: Latitude: <u>4/30/13</u> N Longitude _____ W | Media description: _____ |

(b) (6)

ADDRESS:

PROPERTY ID:

CV0964

DATE:

4/30/13

ARRIVAL TIME:

1330

Other pertinent information (weather conditions, etc.):

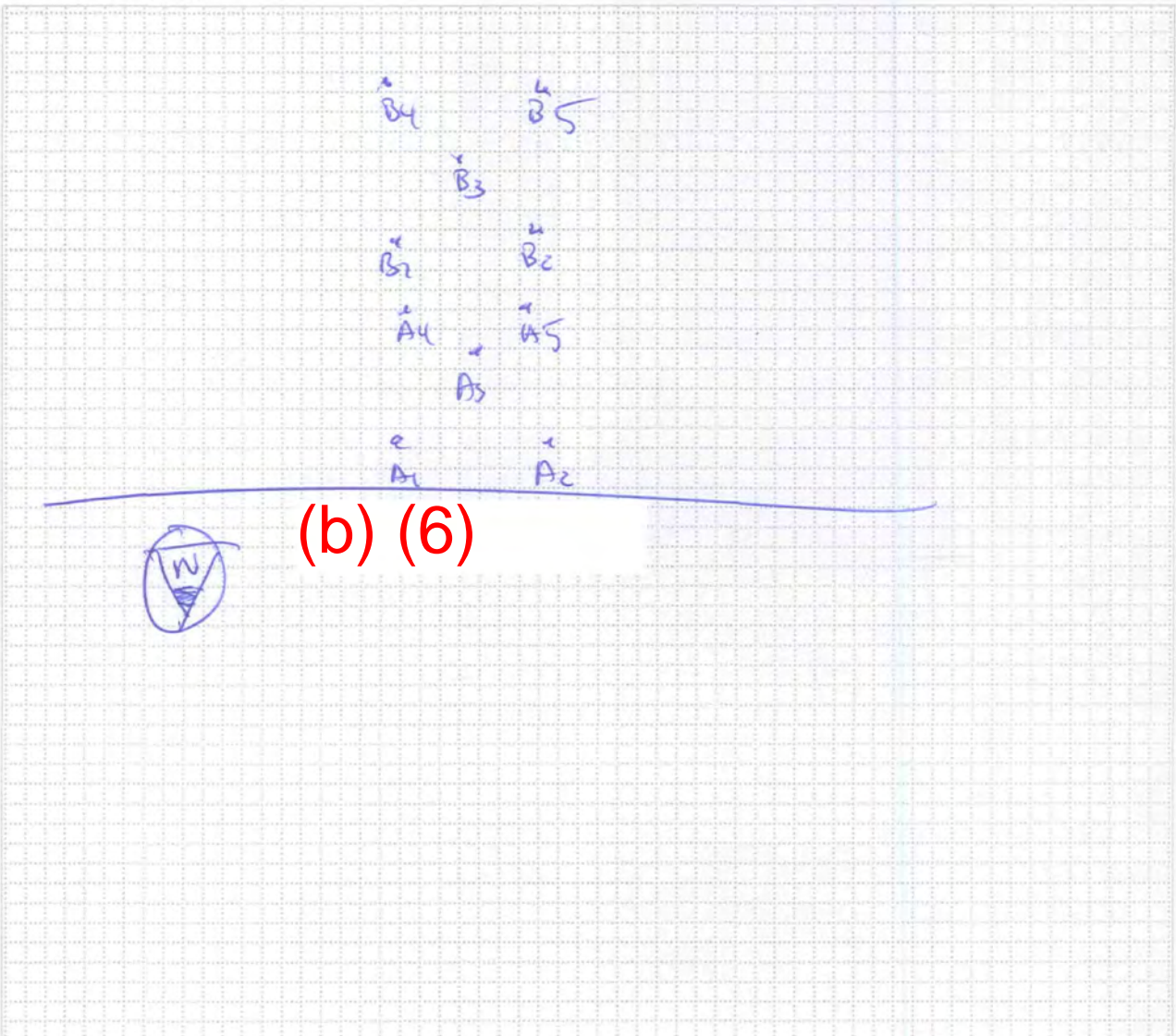
82° Sunny

PROPERTY COMMENTS:

sidyad. of Property

Time (b) (6)

Grid for property sketch



STATION ID: CV0964 SAMPLE ID: CV0964A-CS-SP

SAMPLE COLLECTION TIME: 1335

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: CV0964A-CS-SP

| | |
|--|----------------------------------|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55400665</u> | N Longitude <u>86.80295346</u> W |
| Media description: <u>Redish Brown silty clay w/ gravel dry</u> | |
| Aliquot #2: Latitude: <u>33.55399788</u> | N Longitude <u>86.80300106</u> W |
| Media description: <u>SAME A1</u> | |
| Aliquot #3: Latitude: <u>33.55395632</u> | N Longitude <u>86.80296726</u> W |
| Media description: <u>SAME A1</u> | |
| Aliquot #4: Latitude: <u>33.55390186</u> | N Longitude <u>86.80294026</u> W |
| Media description: <u>SAME A1 + coal fragments</u> | |
| Aliquot #5: Latitude: <u>33.55390223</u> | N Longitude <u>86.80299209</u> W |
| Media description: <u>SAME A1 + coal frags</u> | |

STATION ID: CV0964 SAMPLE ID: CV0964B-CS

SAMPLE COLLECTION TIME: 1350

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: CV0964B-CS-SP

| | |
|--|----------------------------------|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55385061</u> | N Longitude <u>86.80294238</u> W |
| Media description: <u>Redish Brown w/ gravel</u> | |
| Aliquot #2: Latitude: <u>33.55386229</u> | N Longitude <u>86.80299616</u> W |
| Media description: <u>Brown silty clay with gravel</u> | |
| Aliquot #3: Latitude: <u>33.55379526</u> | N Longitude <u>86.80298936</u> W |
| Media description: <u>SAME B2</u> | |
| Aliquot #4: Latitude: <u>33.55375304</u> | N Longitude <u>86.80296095</u> W |
| Media description: <u>SAME B2 + coal & gravel</u> | |
| Aliquot #5: Latitude: <u>33.55375697</u> | N Longitude <u>86.80301027</u> W |
| Media description: <u>SAME B2 + coal & gravel</u> | |

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0466

DATE: 4/30/13

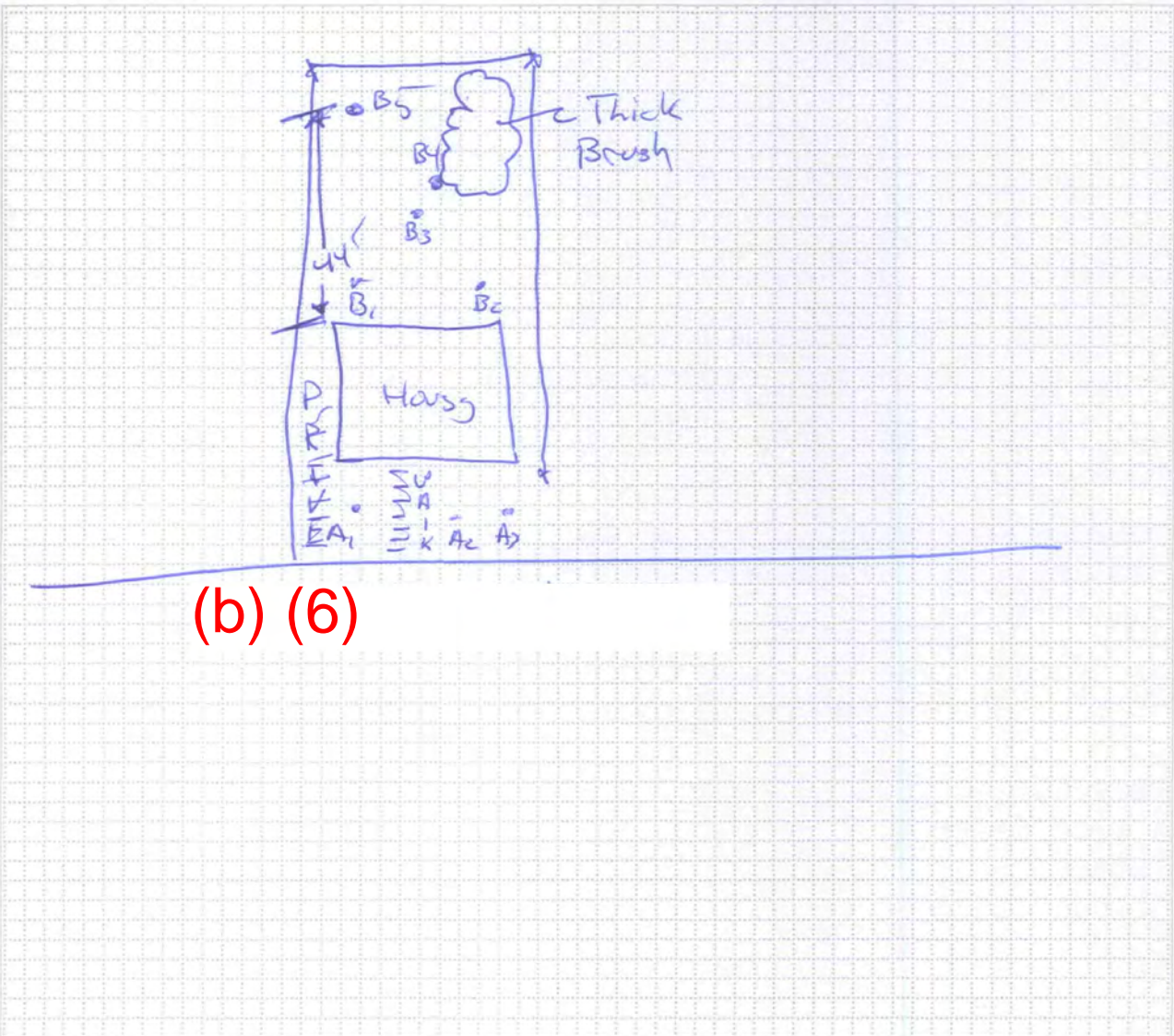
ARRIVAL TIME: 1400

Other pertinent information (weather conditions, etc.):

84° Sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0466 SAMPLE ID: CV0466A-CS

SAMPLE COLLECTION TIME: 1410

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: CV0466A-CS-SP

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55659680</u> N Longitude <u>86.80047427</u> W Media description: <u>Dark Brown s. Hy Clay</u> |
| Aliquot #2 Latitude: <u>33.55653728</u> N Longitude <u>86.80047785</u> W Media description: <u>Same A1</u> |
| Aliquot #3: Latitude: <u>33.55651959</u> N Longitude <u>86.80048645</u> W Media description: <u>Same A1</u> |
| Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____ |
| Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____ |

STATION ID: CV0466 SAMPLE ID: CV0466B-CS

SAMPLE COLLECTION TIME: 1420

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: CV0466A-CS-SP

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55660676</u> N Longitude <u>86.80028785</u> W Media description: <u>Brown Clay</u> |
| Aliquot #2 Latitude: <u>33.55653237</u> N Longitude <u>86.80027732</u> W Media description: <u>Same B1</u> |
| Aliquot #3: Latitude: <u>33.55655693</u> N Longitude <u>86.80022358</u> W Media description: <u>Same B1</u> |
| Aliquot #4: Latitude: <u>33.55656996</u> N Longitude <u>86.80015980</u> W Media description: <u>Brown/orange clay with minor coal frags</u> |
| Aliquot #5: Latitude: <u>33.55659592</u> N Longitude <u>86.80011136</u> W Media description: <u>Same as B4</u> |

(b) (6)

ADDRESS

PROPERTY ID:

CU0182

DATE:

4/30/13

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

86° Sunny

PROPERTY COMMENTS:

* ALREADY
SAMPLED

Grid for property sketch

4/30/13

DIR

STATION ID: CV0182 SAMPLE ID: CV0182A-CS

SAMPLE COLLECTION TIME: _____

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: CV0182A-CS-SP

| | |
|---|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> 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: _____ | |

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: 4/30/13

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

Collection: Composite or Grab

MS/MSD? Y or N

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

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

(b) (6)

ADDRESS:

PROPERTY ID:

HP-0334

DATE:

5/01/13

ARRIVAL TIME:

0835

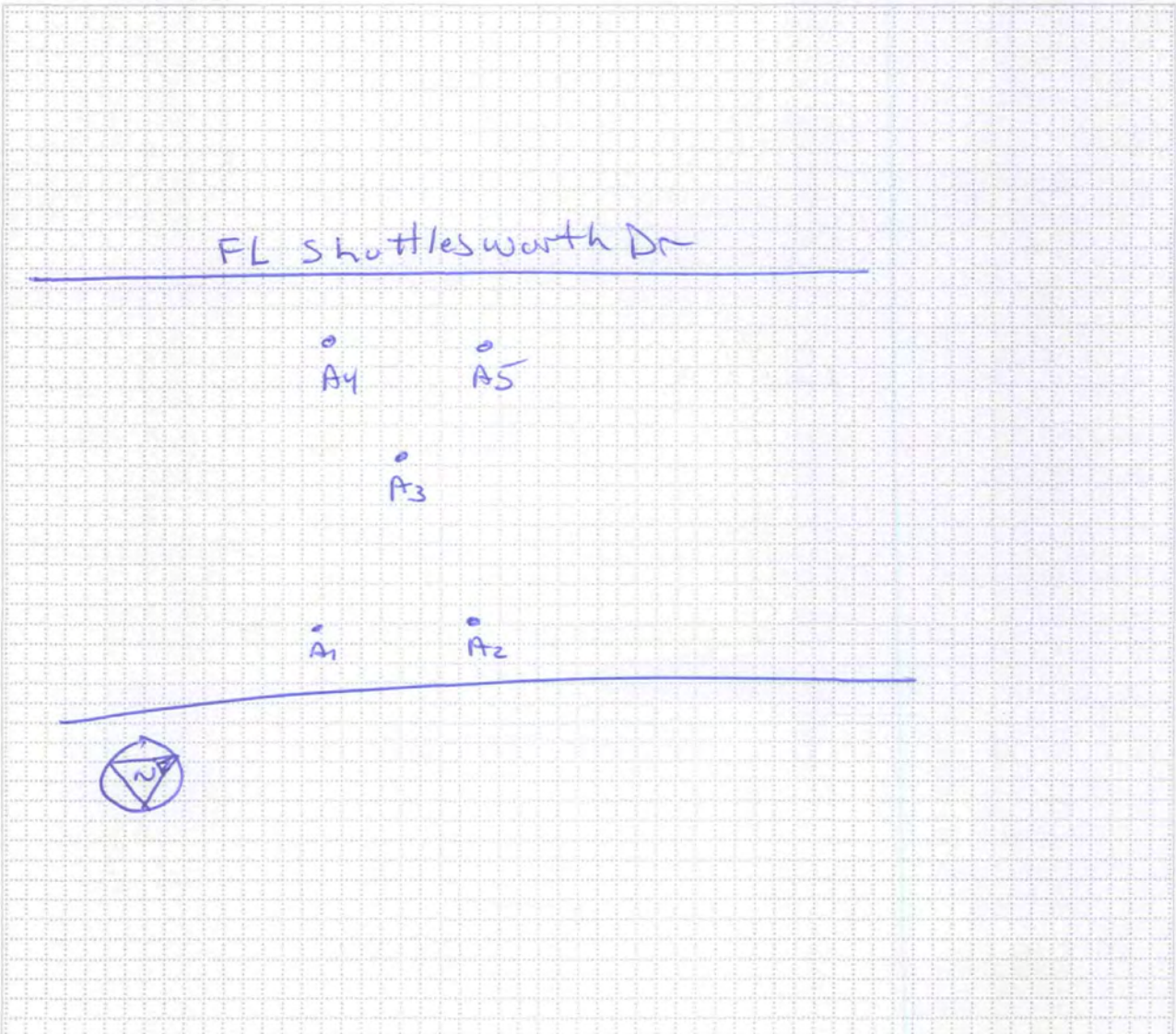
Other pertinent information (weather conditions, etc.):

73° overcast

PROPERTY COMMENTS:

empty Parcel

Grid for property sketch



STATION ID: HP-0334 SAMPLE ID: HP-0334A-C5

SAMPLE COLLECTION TIME: 0850

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.56765245</u> N Longitude <u>86.79217628</u> W Media description: <u>Brown silt Dry</u> |
| Aliquot #2 Latitude: <u>33.56766129</u> N Longitude <u>86.79214209</u> W Media description: <u>Brown / orange clay - Dry</u> |
| Aliquot #3: Latitude: <u>33.56776246</u> N Longitude <u>86.79215110</u> W Media description: <u>Black silt / orange clay w/ coal frag - Dry</u> |
| Aliquot #4: Latitude: <u>33.56785235</u> N Longitude <u>86.79217721</u> W Media description: <u>TAN & orange clay</u> |
| Aliquot #5: Latitude: <u>33.56786039</u> N Longitude <u>86.79211795</u> W Media description: <u>Brown / TAN 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 NO

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: <u>9/01/13</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: HP0333

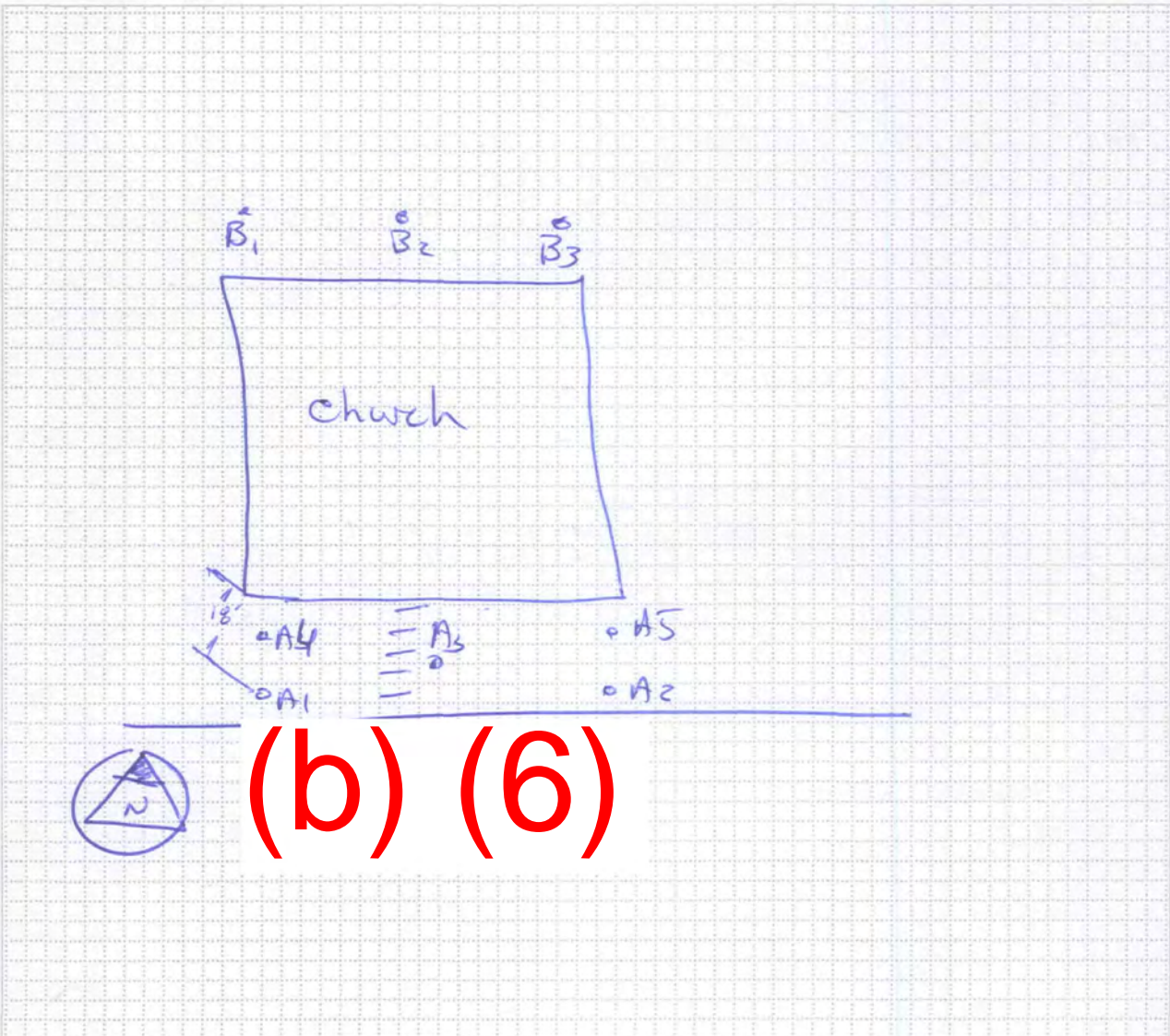
DATE: 4/5/01/13 ARRIVAL TIME: 0905

Other pertinent information (weather conditions, etc.):

75° overcast

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: HP0333 SAMPLE ID: HP0333A-CS

SAMPLE COLLECTION TIME: 0920

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

Front of Church

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: ~~HP0333A-CS-0~~

| | | |
|--|--------------------------------|----------------|
| GPS Coordinates: Trimble <input checked="" type="checkbox"/> | Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.56125554</u> | N Longitude <u>86.79809456</u> | W |
| Media description: <u>Dark Brown silty clay</u> | | |
| Aliquot #2: Latitude: <u>33.56126256</u> | N Longitude <u>86.79792194</u> | W |
| Media description: <u>A1 same</u> | | |
| Aliquot #3: Latitude: <u>33.56127658</u> | N Longitude <u>86.79800590</u> | W |
| Media description: <u>A2 + coal fragment same</u> | | |
| Aliquot #4: Latitude: <u>33.56130397</u> | N Longitude <u>86.79809221</u> | W |
| Media description: <u>same A1 + coal fragments</u> | | |
| Aliquot #5: Latitude: <u>33.56129945</u> | N Longitude <u>86.79792640</u> | W |
| Media description: <u>same A</u> | | |

STATION ID: HP0333 SAMPLE ID: HP0333B-CS

SAMPLE COLLECTION TIME: 0930

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

Back of Church

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>020168</u> | Logged? Y or N |
| Aliquot #1: Latitude: <u>33.56156337</u> | N Longitude <u>86.79806377</u> | W |
| Media description: <u>Dark Brown</u> | | |
| Aliquot #2: Latitude: <u>33.56154733</u> | N Longitude <u>86.79801242</u> | W |
| Media description: <u>Reddish clay w/ coal frags</u> | | |
| Aliquot #3: Latitude: <u>33.56153623</u> | N Longitude <u>86.79794665</u> | W |
| Media description: <u>Reddish Brown clay</u> | | |
| Aliquot #4: Latitude: _____ | N Longitude _____ | W |
| Media description: _____ | | |
| Aliquot #5: Latitude: _____ | N Longitude _____ | W |
| Media description: _____ | | |

5/01/13

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0725

DATE: 5/1/13 ARRIVAL TIME: 0955

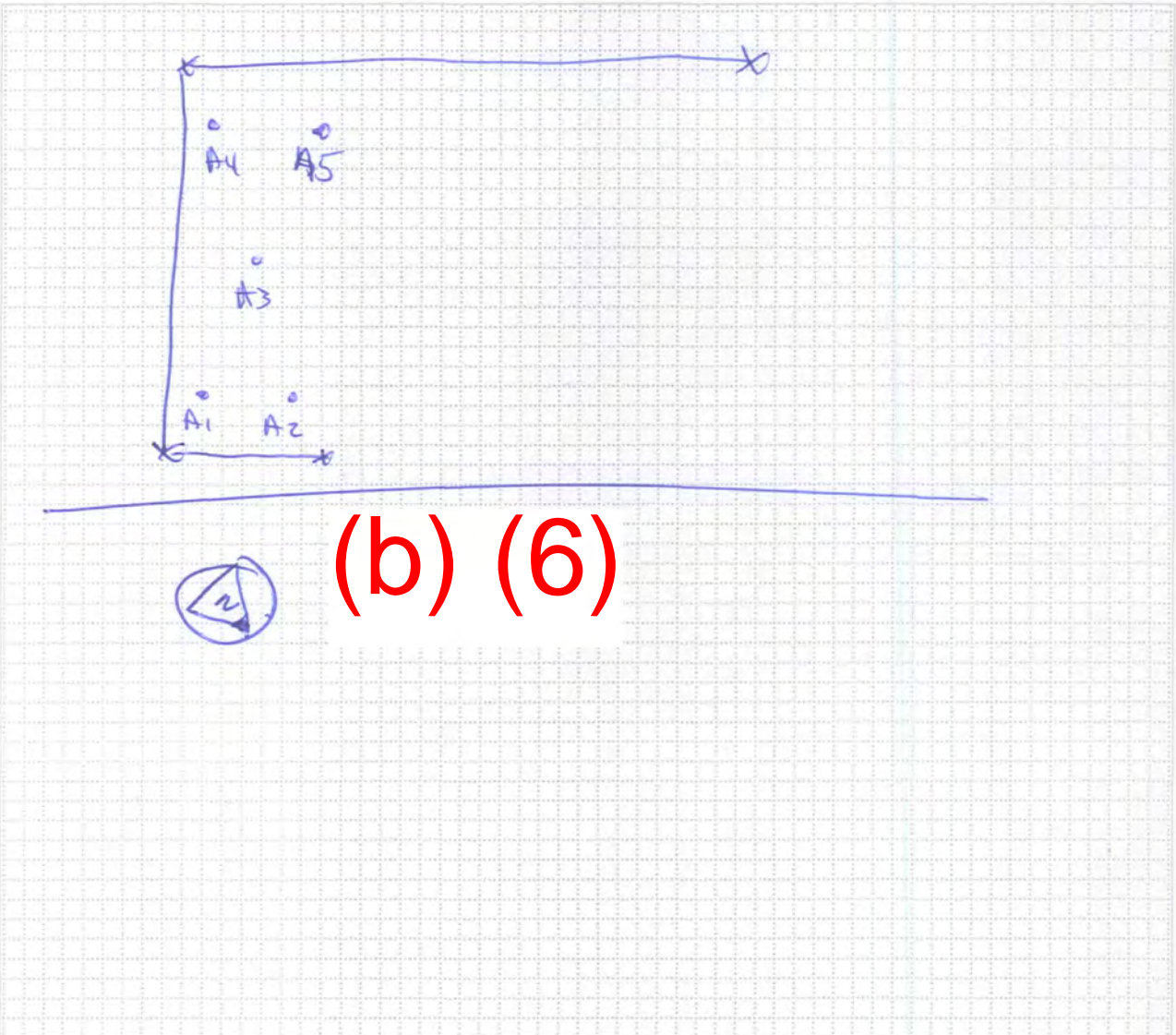
Other pertinent information (weather conditions, etc.):

77° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



(b) (6)

STATION ID: CV0725 SAMPLE ID: CV0725A-CS

SAMPLE COLLECTION TIME: 1000

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

Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

| | | | |
|---|---------------------------------|--|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N | | | |
| Aliquot #1: Latitude: <u>33.53910499</u> | N Longitude: <u>86.79938534</u> | | W |
| Media description: <u>Duck Brown silt</u> | | | |
| Aliquot #2 Latitude: <u>33.53911811</u> | N Longitude: <u>86.79941693</u> | | W |
| Media description: <u>same A1</u> | | | |
| Aliquot #3: Latitude: <u>33.53905147</u> | N Longitude: <u>86.79946738</u> | | W |
| Media description: <u>same A1</u> | | | |
| Aliquot #4: Latitude: <u>33.53895016</u> | N Longitude: <u>86.79056083</u> | | W |
| Media description: <u>same A1 + coal frags</u> | | | |
| Aliquot #5: Latitude: _____ | N Longitude: _____ | | W |
| Media description: <u>same A1 + coal frags</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 #: <u>0192</u> Logged? Y or N | | | |
| Aliquot #1: Latitude: _____ | N Longitude: _____ | | W |
| Media description: <u>5/1/13</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: CV1067

DATE:

5/1/13

ARRIVAL TIME:

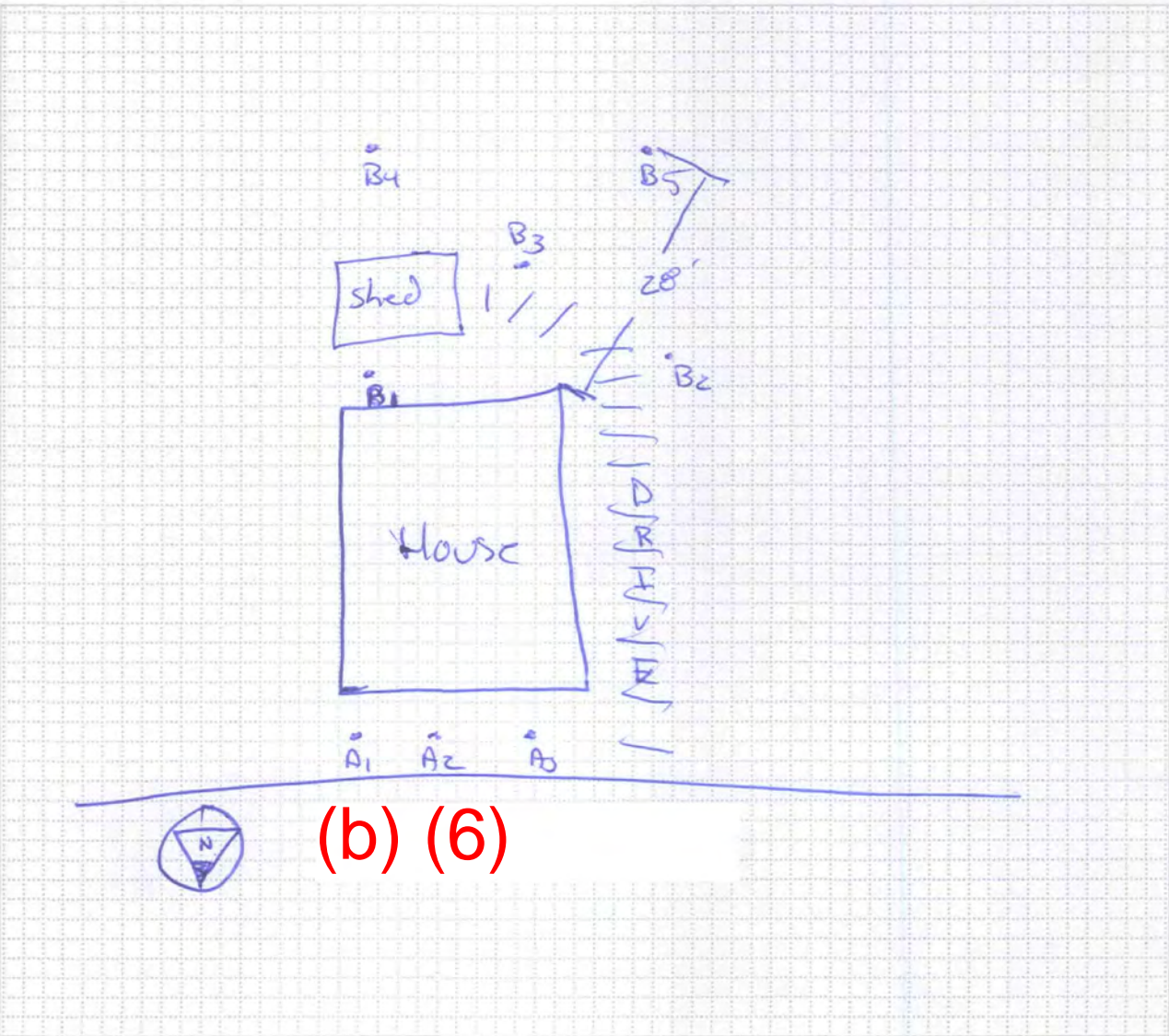
1030

Other pertinent information (weather conditions, etc.):

83° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1067 SAMPLE ID: CV1067A-CS

SAMPLE COLLECTION TIME: 1040

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

Front yard

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

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

| | | |
|--------------------|---|----------------------------------|
| GPS Coordinates: | Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> | Logged? Y or N |
| Aliquot #1: | Latitude: <u>33.55034106</u> | N Longitude <u>86.80144033</u> W |
| Media description: | <u>Dark Brown s.l.T w/ coal fragments</u> | |
| Aliquot #2: | Latitude: <u>33.55034143</u> | N Longitude <u>86.80150707</u> W |
| Media description: | <u>Same A1</u> | |
| Aliquot #3: | Latitude: <u>33.55034318</u> | N Longitude <u>86.80152718</u> W |
| Media description: | <u>Same A1</u> | |
| Aliquot #4: | Latitude: _____ | N Longitude _____ W |
| Media description: | _____ | |
| Aliquot #5: | Latitude: _____ | N Longitude _____ W |
| Media description: | <u>5/1/13</u> | |

STATION ID: CV1067 SAMPLE ID: CV1067B-CS

SAMPLE COLLECTION TIME: 1050

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>020168</u> | Logged? Y or N |
| Aliquot #1: | Latitude: <u>33.55016348</u> | N Longitude <u>86.80145621</u> W |
| Media description: | <u>Dark Brown s.l.T w/ gravel & coal</u> | |
| Aliquot #2: | Latitude: <u>33.55016043</u> | N Longitude <u>86.80155312</u> W |
| Media description: | <u>Same B1</u> | |
| Aliquot #3: | Latitude: <u>33.55011469</u> | N Longitude <u>86.80149833</u> W |
| Media description: | <u>Same B1</u> | |
| Aliquot #4: | Latitude: <u>33.55006859</u> | N Longitude <u>86.80142866</u> W |
| Media description: | <u>Same B1</u> | |
| Aliquot #5: | Latitude: <u>33.55002710</u> | N Longitude <u>86.80158480</u> W |
| Media description: | <u>Black s.l.T</u> | |

(b) (6)

ADDRESS

PROPERTY ID:

CV 1166

DATE:

5/1/13

ARRIVAL TIME:

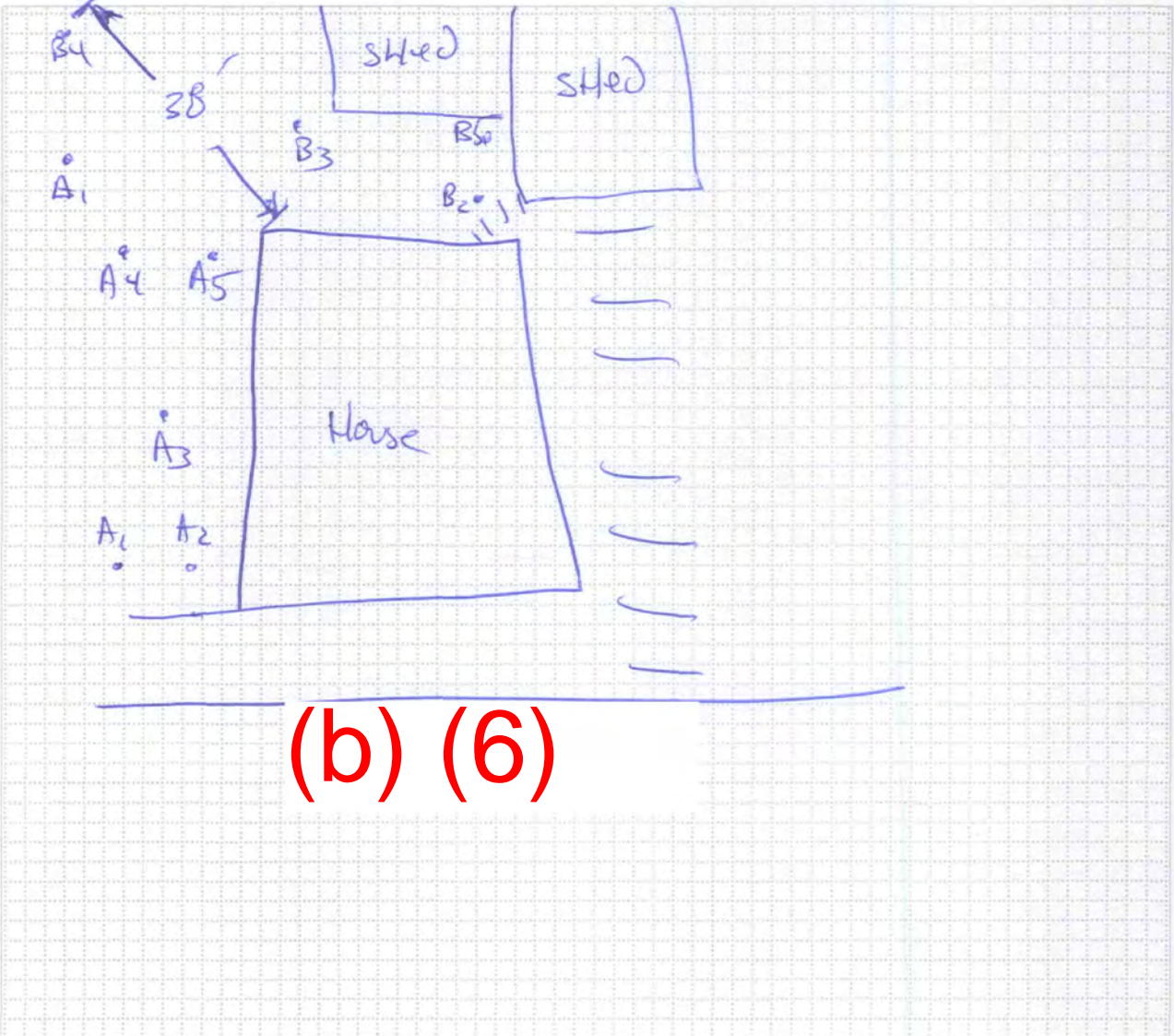
1235

Other pertinent information (weather conditions, etc.):

83° Overcast

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV1166 SAMPLE ID: CV1166A-CS

SAMPLE COLLECTION TIME: 1245

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

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55090168</u> N Longitude <u>86.79949294</u> W |
| Media description: <u>Brown clay silt w/ coal frag</u> |
| Aliquot #2 Latitude: <u>33.55070801</u> N Longitude <u>86.79954918</u> W |
| Media description: <u>Same A1</u> |
| Aliquot #3: Latitude: <u>33.55068389</u> N Longitude <u>86.79952144</u> W |
| Media description: <u>Same A1</u> |
| Aliquot #4: Latitude: <u>33.55063083</u> N Longitude <u>86.79950708</u> W |
| Media description: <u>Brown clay silt</u> |
| Aliquot #5: Latitude: <u>33.55062255</u> N Longitude <u>86.79953831</u> W |
| Media description: <u>Same A4</u> |

STATION ID: CV1166 SAMPLE ID: CV1166B-CS

SAMPLE COLLECTION TIME: 1250

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: No If yes, indicate Duplicate/split sample station ID: CV1166B-CS

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55057542</u> N Longitude <u>86.79948171</u> W |
| Media description: <u>Brown silt</u> |
| Aliquot #2 Latitude: <u>33.55055957</u> N Longitude <u>86.79962916</u> W |
| Media description: <u>Brown silt</u> |
| Aliquot #3: Latitude: <u>33.55054196</u> N Longitude <u>86.79956842</u> W |
| Media description: <u>Brown silt w/ coal frag</u> |
| Aliquot #4: Latitude: <u>33.55052536</u> N Longitude <u>86.79949634</u> W |
| Media description: <u>TAN SAND & Brown silt</u> |
| Aliquot #5: Latitude: <u>33.55053652</u> N Longitude <u>86.79961723</u> W |
| Media description: <u>Brown silt with coal frags</u> |

(b) (6)

ADDRESS

PROPERTY ID:

CV1114

DATE:

5/1/13

ARRIVAL TIME:

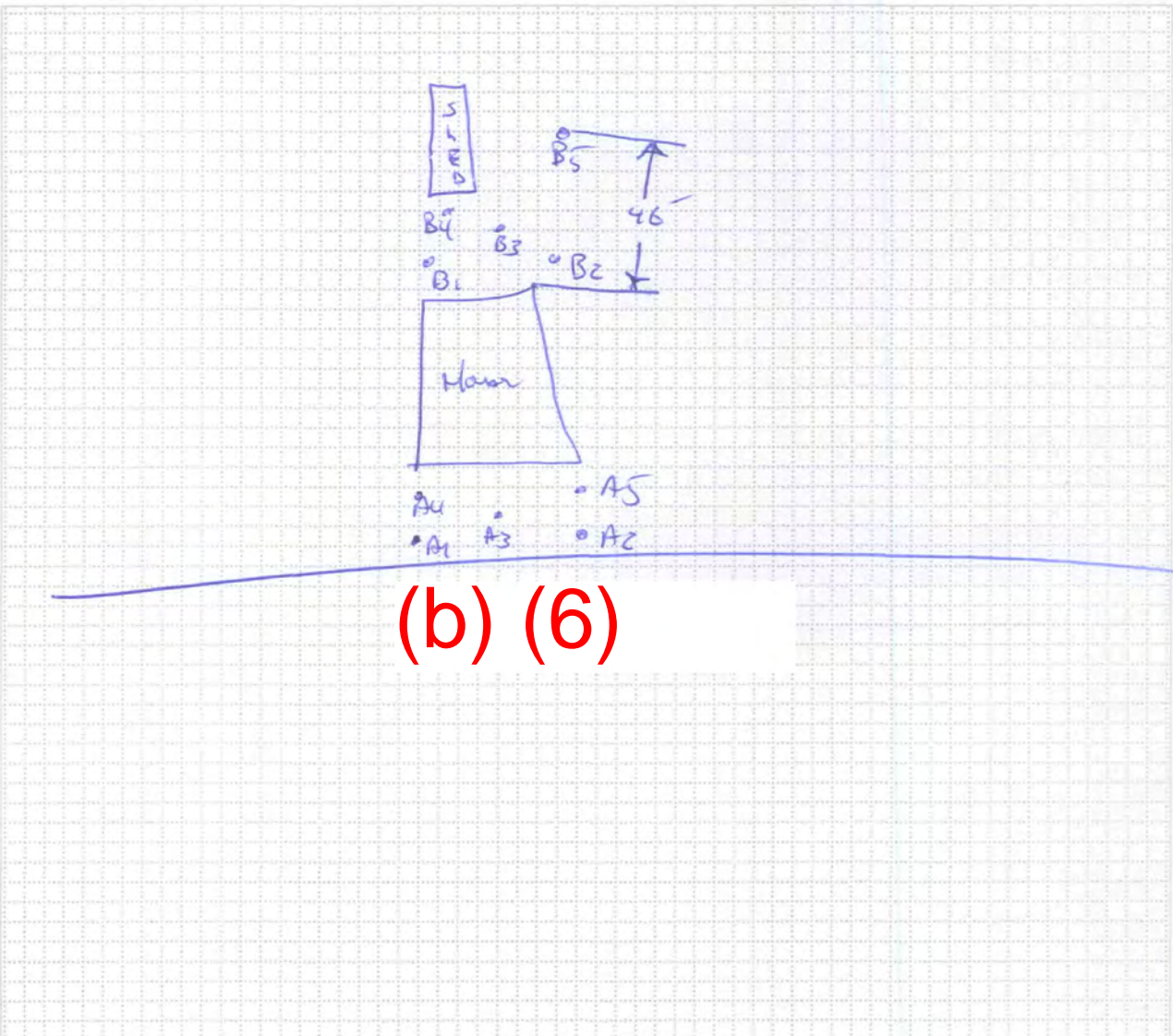
1320

Other pertinent information (weather conditions, etc.):

83° overcast

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV1114 SAMPLE ID: CV1114A-CS

SAMPLE COLLECTION TIME: 1325

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: CV1114A-CS-1

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55035783</u> N Longitude: <u>86.79671418</u> W |
| Media description: <u>TAN clay w/ coal frag</u> |
| Aliquot #2: Latitude: <u>33.55036650</u> N Longitude: <u>86.79660204</u> W |
| Media description: <u>Dark Brown clay w/s IT & coal frag</u> |
| Aliquot #3: Latitude: <u>33.55037139</u> N Longitude: <u>86.796650040</u> W |
| Media description: <u>Same A2</u> |
| Aliquot #4: Latitude: <u>33.55039911</u> N Longitude: <u>86.79671773</u> W |
| Media description: <u>Same A1</u> |
| Aliquot #5: Latitude: <u>33.55039305</u> N Longitude: <u>86.79660173</u> W |
| Media description: <u>Same A2</u> |

STATION ID: CV1114 SAMPLE ID: CV1114B-CS

SAMPLE COLLECTION TIME: 1335

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>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55051570</u> N Longitude: <u>86.79672256</u> W |
| Media description: <u>Dark Brown s.IT w/gravel</u> |
| Aliquot #2: Latitude: <u>33.55051948</u> N Longitude: <u>86.79651242</u> W |
| Media description: <u>Redish Brown silty clay w/ coal frag</u> |
| Aliquot #3: Latitude: <u>33.55056315</u> N Longitude: <u>86.79666127</u> W |
| Media description: <u>Black s.IT w/ coal</u> |
| Aliquot #4: Latitude: <u>33.55057070</u> N Longitude: <u>86.79672716</u> W |
| Media description: <u>Brown s.IT with gravel</u> |
| Aliquot #5: Latitude: <u>33.55063091</u> N Longitude: <u>86.79661162</u> W |
| Media description: <u>Brown silty clay with coal fragments</u> |

ADDRESS: (b) (6)

PROPERTY ID: CV 1177

DATE: 5/1/13

ARRIVAL TIME: 1355

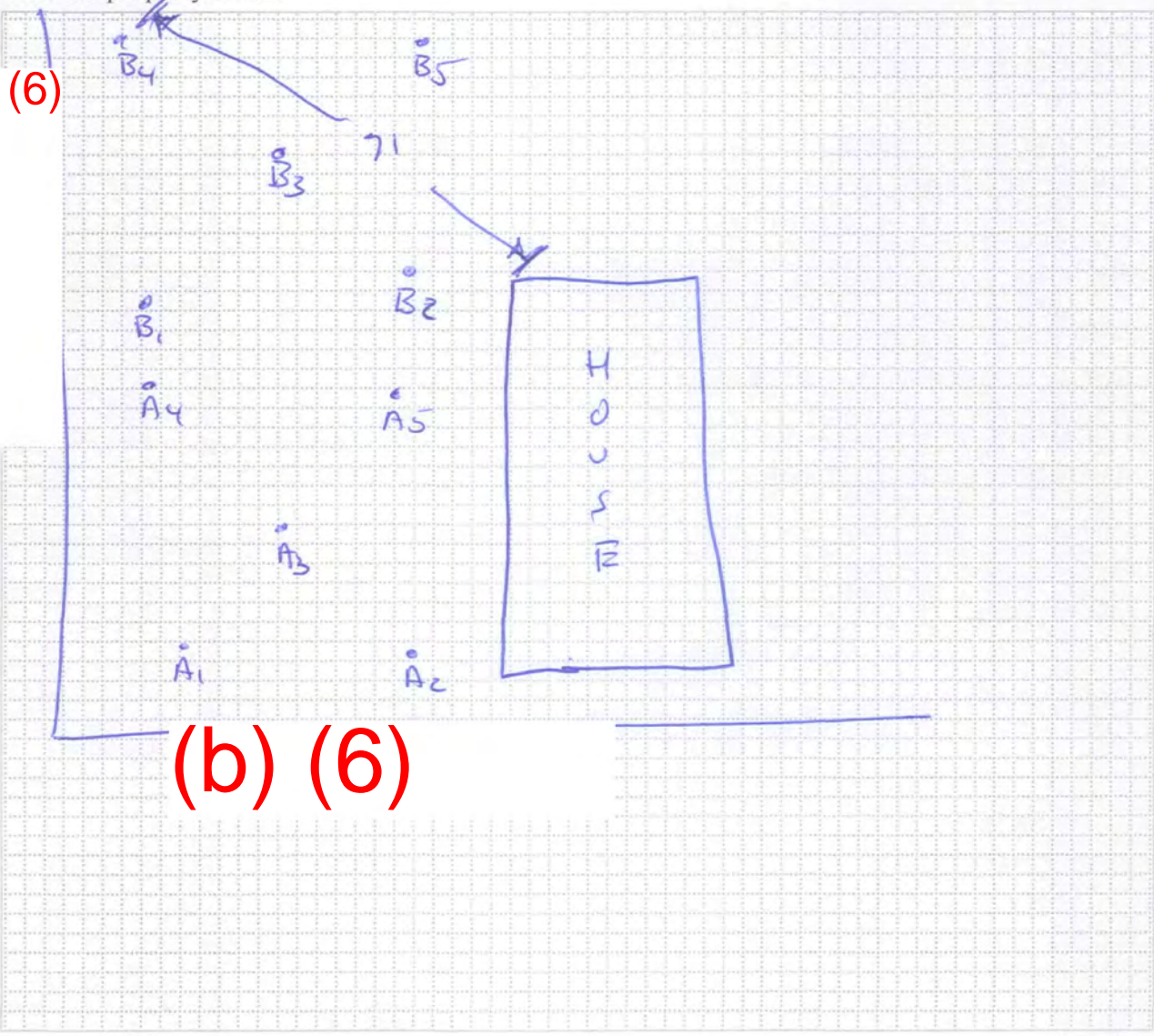
Other pertinent information (weather conditions, etc.):

80° overcast

PROPERTY COMMENTS:

Grid for property sketch

(b) (6)



(b) (6)

STATION ID: CV1177 SAMPLE ID: CV1177A-CS

SAMPLE COLLECTION TIME: 1400

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

Front side yard

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

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

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55120592</u> N Longitude <u>86.79828663</u> W |
| Media description: <u>Brown silty clay w/ coal frags</u> |
| Aliquot #2: Latitude: <u>33.55119703</u> N Longitude <u>86.79819783</u> W |
| Media description: <u>Orange Brown silty clay w/ coal frags</u> |
| Aliquot #3: Latitude: <u>33.55123713</u> N Longitude <u>86.79823726</u> W |
| Media description: <u>Same A1</u> |
| Aliquot #4: Latitude: <u>33.55128027</u> N Longitude <u>86.79829525</u> W |
| Media description: <u>Same A1</u> |
| Aliquot #5: Latitude: <u>33.55127814</u> N Longitude <u>86.79819260</u> W |
| Media description: <u>Same A2</u> |

STATION ID: CV1177 SAMPLE ID: CV1177B-CS

SAMPLE COLLECTION TIME: 1410

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

Back of 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>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55133711</u> N Longitude <u>86.79829730</u> W |
| Media description: <u>Dark Brown silt w/ coal frags</u> |
| Aliquot #2: Latitude: <u>33.55133427</u> N Longitude <u>86.79820265</u> W |
| Media description: <u>Reddish Brown silty clay w/ coal frags</u> |
| Aliquot #3: Latitude: <u>33.55138369</u> N Longitude <u>86.79823824</u> W |
| Media description: <u>Reddish Brown silty clay w/ coal frags</u> |
| Aliquot #4: Latitude: <u>33.55145821</u> N Longitude <u>86.79830558</u> W |
| Media description: <u>Same B1</u> |
| Aliquot #5: Latitude: <u>33.55143764</u> N Longitude <u>86.79817665</u> W |
| Media description: <u>Same B1</u> |

(b) (6)

ADDRESS

PROPERTY ID:

201165

DATE:

5/2/13

ARRIVAL TIME:

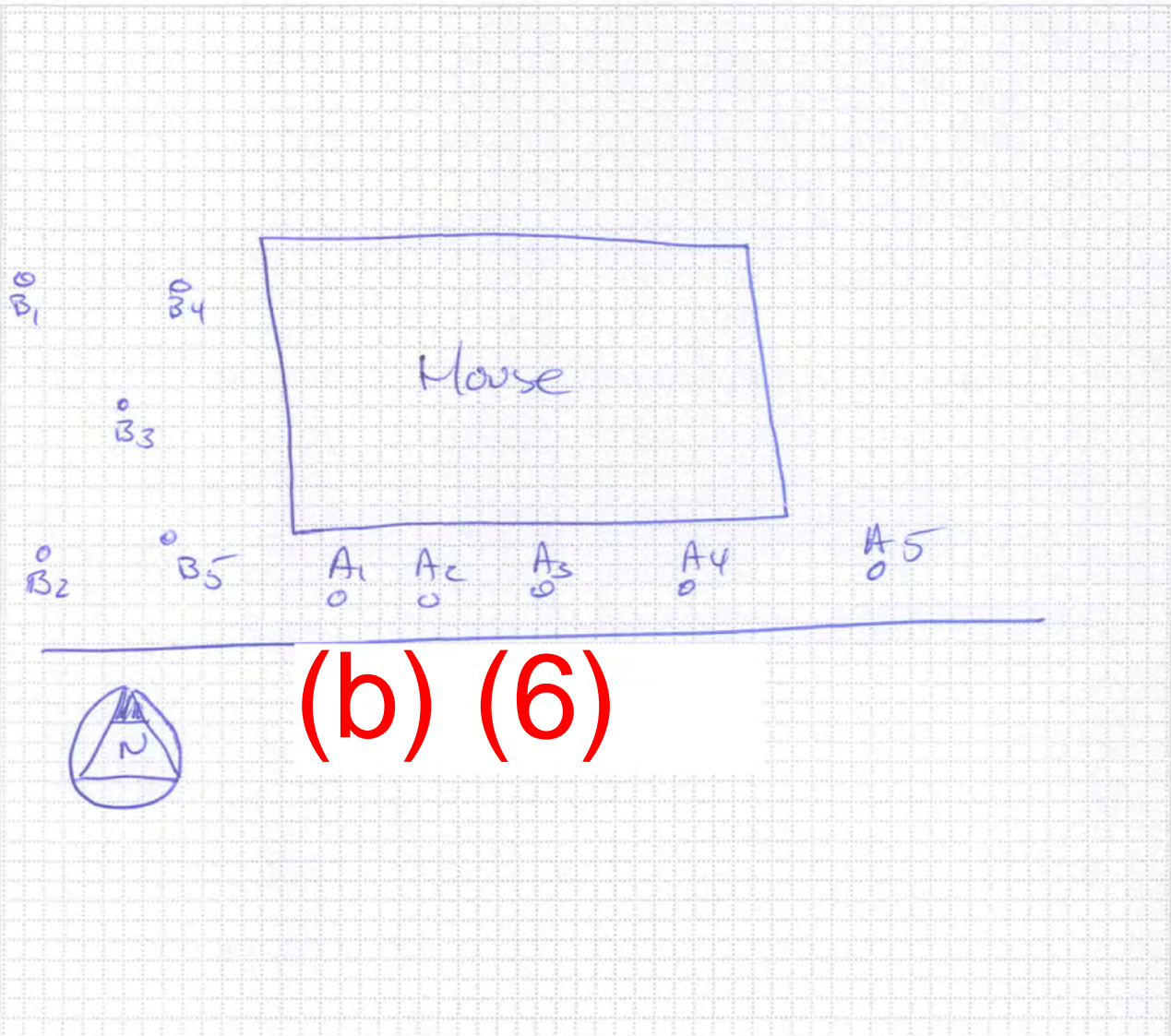
0910

Other pertinent information (weather conditions, etc.):

72° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1165 SAMPLE ID: CV1165A-CS

SAMPLE COLLECTION TIME: 0920

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

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55083027</u> N Longitude <u>86.79980558</u> W Media description: <u>Dark Brown silty clay</u> |
| Aliquot #2: Latitude: <u>33.55082576</u> N Longitude <u>86.79976087</u> W Media description: <u>SAME A1</u> |
| Aliquot #3: Latitude: <u>33.55082524</u> N Longitude <u>86.79970942</u> W Media description: <u>SAME A1</u> |
| Aliquot #4: Latitude: <u>33.55081912</u> N Longitude <u>86.79965736</u> W Media description: <u>Brown silt</u> |
| Aliquot #5: Latitude: <u>33.55082404</u> N Longitude <u>86.79957021</u> W Media description: <u>SAME A4</u> |

STATION ID: CV1165 SAMPLE ID: CV1165B-CS

SAMPLE COLLECTION TIME: 0930

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: No If yes, indicate Duplicate/split sample station ID: CV1165B-CS-D

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55090925</u> N Longitude <u>86.79996563</u> W Media description: <u>Dark Brown & orange clay</u> |
| Aliquot #2: Latitude: <u>33.55084099</u> N Longitude <u>86.79997653</u> W Media description: <u>Brown silty clay</u> |
| Aliquot #3: Latitude: <u>33.55086467</u> N Longitude <u>86.79990249</u> W Media description: <u>SAME B2</u> |
| Aliquot #4: Latitude: <u>33.55090189</u> N Longitude <u>86.79983076</u> W Media description: <u>SAME B2</u> |
| Aliquot #5: Latitude: <u>33.55083514</u> N Longitude <u>86.79984943</u> W Media description: <u>Dark Brown & Black silty clay</u> |

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

PROPERTY ID: CV1006

DATE: 5/2/13

ARRIVAL TIME: 0940

Other pertinent information (weather conditions, etc.):

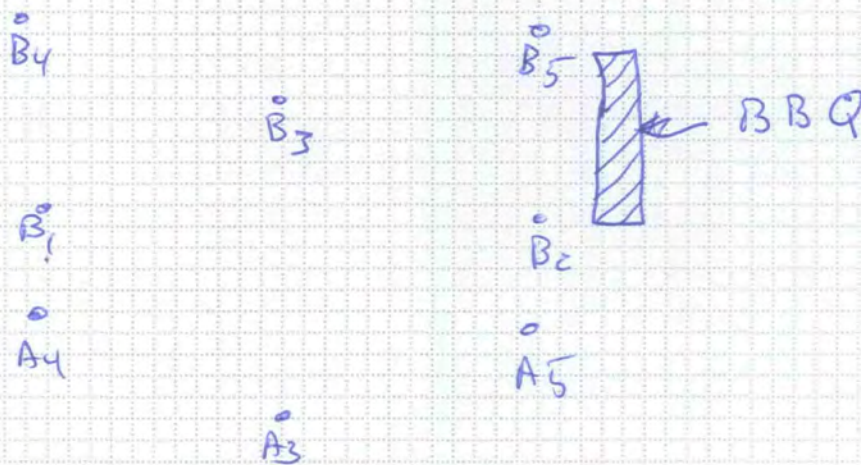
70° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch

(b) (6)



(b) (6)

STATION ID: CV1006 SAMPLE ID: CV1006A-CS

SAMPLE COLLECTION TIME: 1000

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

Front (south) Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.54965666</u> N Longitude <u>86.79823977</u> W |
| Media description: <u>Brown silt over orange clay w/ coal frags</u> |
| Aliquot #2: Latitude: <u>33.5495066</u> N Longitude <u>86.79805176</u> W |
| Media description: <u>SAME A2</u> |
| Aliquot #3: Latitude: <u>33.54969908</u> N Longitude <u>86.79816089</u> W |
| Media description: <u>SAME A3</u> |
| Aliquot #4: Latitude: <u>33.54973945</u> N Longitude <u>86.79824551</u> W |
| Media description: <u>Brown silty clay</u> |
| Aliquot #5: Latitude: <u>33.54974483</u> N Longitude <u>86.79805376</u> W |
| Media description: <u>SAME A4</u> |

STATION ID: CV1006 SAMPLE ID: _____

SAMPLE COLLECTION TIME: 1010

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

Back (North) Empty Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

| |
|---|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.54992315</u> N Longitude <u>86.79829014</u> W |
| Media description: <u>Dark Brown silty clay</u> |
| Aliquot #2: Latitude: <u>33.54978635</u> N Longitude <u>86.79806788</u> W |
| Media description: <u>SAME B2</u> |
| Aliquot #3: Latitude: <u>33.54985431</u> N Longitude <u>86.79818040</u> W |
| Media description: <u>SAME B2</u> |
| Aliquot #4: Latitude: <u>33.54989190</u> N Longitude <u>86.79830219</u> W |
| Media description: <u>Reddish Brown silty clay</u> |
| Aliquot #5: Latitude: <u>33.54988407</u> N Longitude <u>86.79805933</u> W |
| Media description: <u>SAME B4</u> |

(b) (6)

ADDRESS:

PROPERTY ID:

CV1237

DATE:

5/2/13

ARRIVAL TIME:

1200

Other pertinent information (weather conditions, etc.):

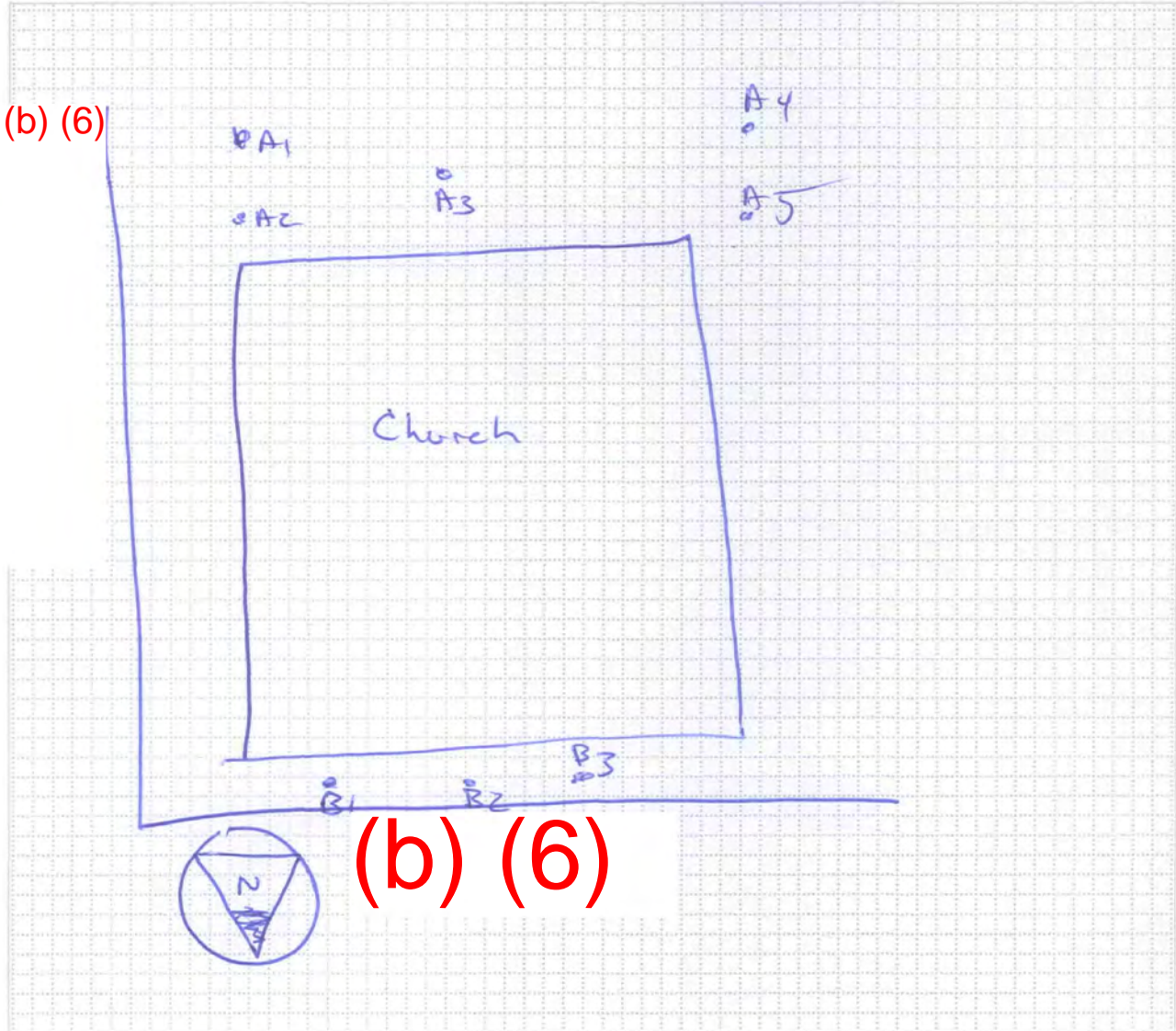
70° overcast

PROPERTY COMMENTS:

Bethel Church

church covers most of Parcel

Grid for property sketch



STATION ID: CV1237 SAMPLE ID: CV1237A-C5

SAMPLE COLLECTION TIME: 1215

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Back of church about 1' of top soil the gravel

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>020168</u> Logged? Y or N | | | |
| Aliquot #1: Latitude: | <u>33.53157085</u> | N Longitude | <u>86.80073019</u> W |
| Media description: | <u>Brom silt & gravel & clay w/ coal frags</u> | | |
| Aliquot #2 Latitude: | <u>33.55162602</u> | N Longitude | <u>86.80070148</u> W |
| Media description: | <u>same A1</u> | | |
| Aliquot #3: Latitude: | <u>33.55161278</u> | N Longitude | <u>86.80077968</u> W |
| Media description: | <u>same A1</u> | | |
| Aliquot #4: Latitude: | <u>33.55162128</u> | N Longitude | <u>86.80091028</u> W |
| Media description: | <u>same A1</u> | | |
| Aliquot #5: Latitude: | <u>33.55165288</u> | N Longitude | <u>86.80090593</u> W |
| Media description: | <u>same A1</u> | | |

STATION ID: CV1237 SAMPLE ID: CV1237B-C5

SAMPLE COLLECTION TIME: 1225

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

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>020168</u> Logged? Y or N | | | |
| Aliquot #1: Latitude: | <u>33.55193907</u> | N Longitude | <u>86.80071652</u> W |
| Media description: | <u>Brom sandy silt with gravel & coal</u> | | |
| Aliquot #2 Latitude: | <u>33.55192927</u> | N Longitude | <u>86.80075906</u> W |
| Media description: | <u>same B1</u> | | |
| Aliquot #3: Latitude: | <u>33.55192062</u> | N Longitude | <u>86.80084229</u> W |
| Media description: | <u>same B1</u> | | |
| Aliquot #4: Latitude: | | N Longitude | |
| Media description: | | | |
| Aliquot #5: Latitude: | <u>5/2/13</u> | N Longitude | |
| Media description: | | | |

(b) (6)

ADDRESS

PROPERTY ID:

CV1302

DATE:

5/2/13

ARRIVAL TIME:

1245

Other pertinent information (weather conditions, etc.):

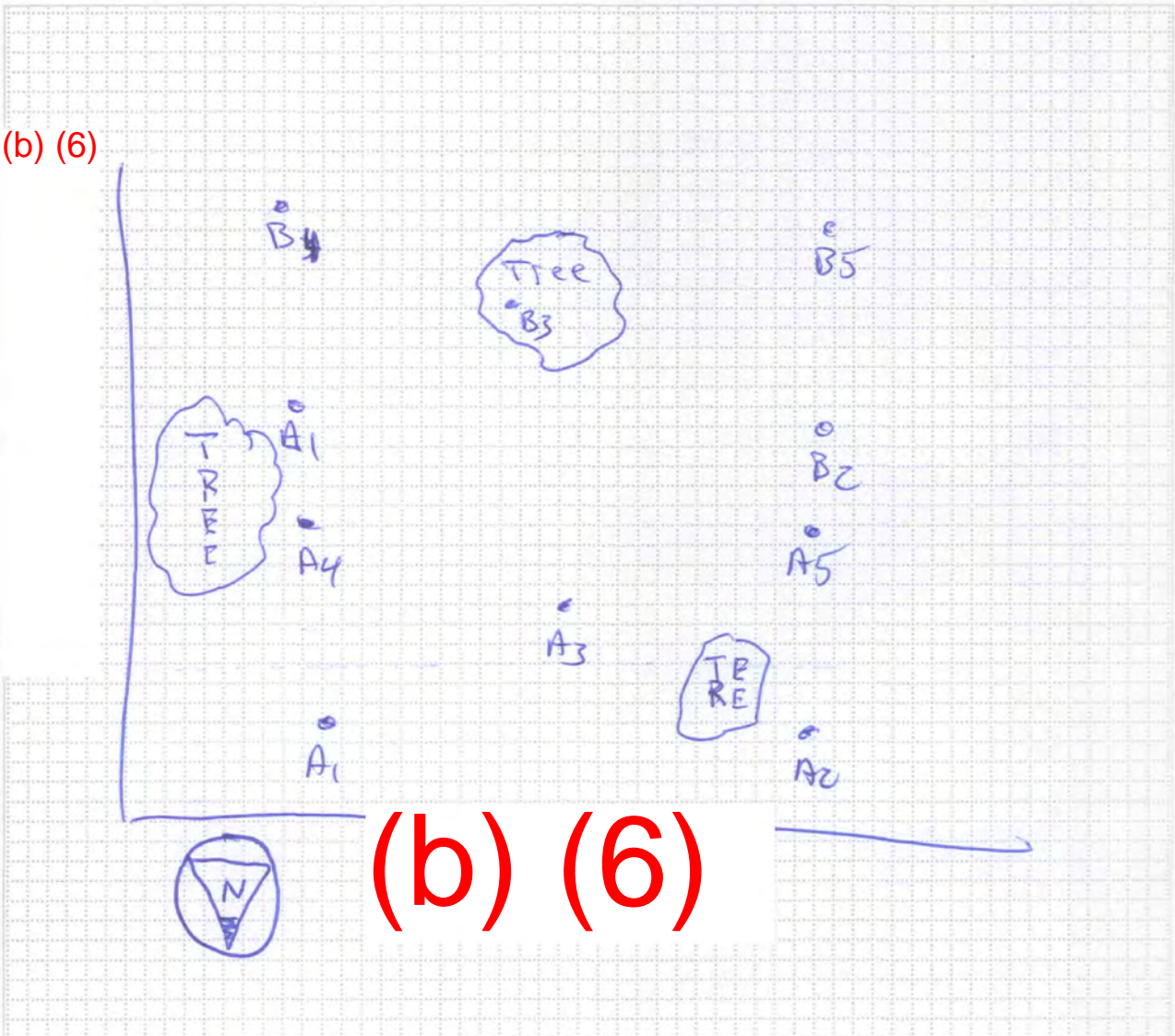
70° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch

(b) (6)



(b) (6)

STATION ID: CV1302 SAMPLE ID: CV1302

SAMPLE COLLECTION TIME: 1250

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

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

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

| |
|---|
| GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33,5315421</u> N Longitude <u>86.79992894</u> W Media description: <u>Brown silty clay w/ coal frags</u> |
| Aliquot #2: Latitude: <u>33,53170509</u> N Longitude <u>86.79994231</u> W Media description: <u>SAME A1</u> |
| Aliquot #3: Latitude: <u>33,5516992</u> N Longitude <u>86.79997871</u> W Media description: <u>Brown silty clay</u> |
| Aliquot #4: Latitude: <u>33,55153532</u> N Longitude <u>86.80003742</u> W Media description: <u>Dark Brown silty clay w/ coal frag</u> |
| Aliquot #5: Latitude: <u>33,55170970</u> N Longitude <u>86.8001591</u> W Media description: <u>Dark Brown silty clay w/ gravel</u> |

STATION ID: CV1302 SAMPLE ID: CV1302

SAMPLE COLLECTION TIME: 1255

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

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

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

| |
|---|
| GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33,55153426</u> N Longitude <u>86.80008007</u> W Media description: <u>Dark Brown silty clay w/ coal & gravel</u> |
| Aliquot #2: Latitude: <u>33,55170682</u> N Longitude <u>86.80007620</u> W Media description: <u>SAME B1</u> |
| Aliquot #3: Latitude: <u>33,55160855</u> N Longitude <u>86.80009853</u> W Media description: <u>SAME B1</u> |
| Aliquot #4: Latitude: <u>33,55153645</u> N Longitude <u>86.80016062</u> W Media description: <u>Brown silty clay</u> |
| Aliquot #5: Latitude: <u>33,55169912</u> N Longitude <u>86.80013541</u> W Media description: <u>SAME B1</u> |

(b) (6)

ADDRESS:

PROPERTY ID:

CV1322

DATE:

5/2/13

ARRIVAL TIME:

1310

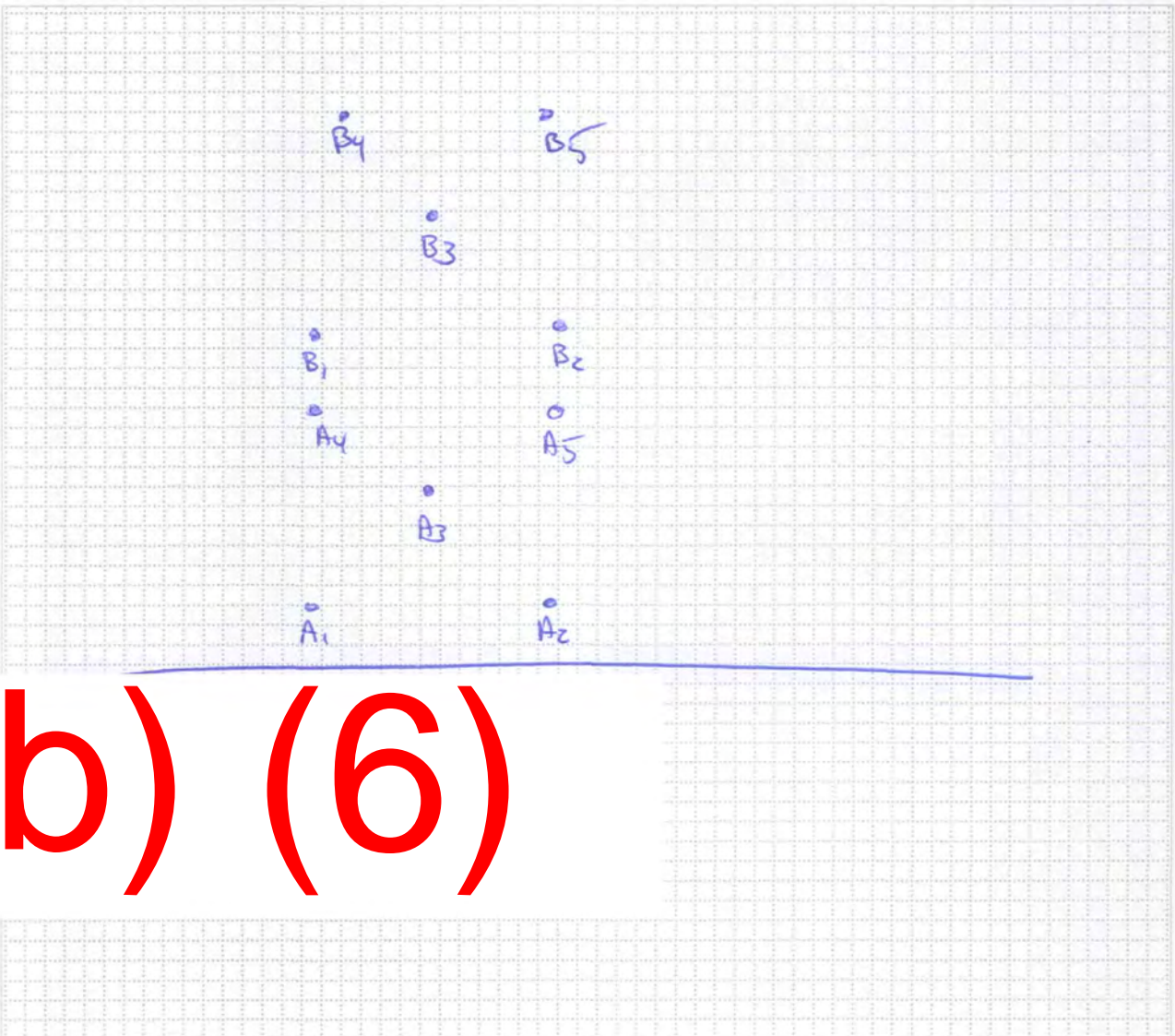
Other pertinent information (weather conditions, etc.):

70° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



(b) (6)

STATION ID: CV1322 SAMPLE ID: CV1322

SAMPLE COLLECTION TIME: 1320

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

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

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

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55107113</u> N Longitude <u>86.80045545</u> W Media description: <u>Brown / orange silty clay w/ gravel</u> |
| Aliquot #2: Latitude: <u>33.55090664</u> N Longitude <u>86.80046048</u> W Media description: <u>Same A1</u> |
| Aliquot #3: Latitude: <u>33.55103049</u> N Longitude <u>86.8004004</u> W Media description: <u>Dark Brown silty clay w/ gravel</u> |
| Aliquot #4: Latitude: <u>33.55107088</u> N Longitude <u>86.80034538</u> W Media description: <u>Same A3</u> |
| Aliquot #5: Latitude: <u>33.55098765</u> N Longitude <u>86.80031324</u> W Media description: <u>Same A3</u> |

STATION ID: CV1322 SAMPLE ID: CV1322

SAMPLE COLLECTION TIME: 1330

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

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

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

| |
|--|
| GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u> Logged? Y or N |
| Aliquot #1: Latitude: <u>33.55106294</u> N Longitude <u>86.80031288</u> W Media description: <u>Dark Brown silty clay w/ gravel</u> |
| Aliquot #2: Latitude: <u>33.55098765</u> N Longitude <u>86.80031324</u> W Media description: <u>Same B1</u> |
| Aliquot #3: Latitude: <u>33.55101563</u> N Longitude <u>86.80022769</u> W Media description: <u>Same B1</u> |
| Aliquot #4: Latitude: <u>Redish Brown 33.55102916</u> N Longitude <u>86.80013116</u> W Media description: <u>Reddish Brown silty clay w/ coal fragments</u> |
| Aliquot #5: Latitude: <u>33.55097385</u> N Longitude <u>86.80010429</u> W Media description: <u>Same B4</u> |

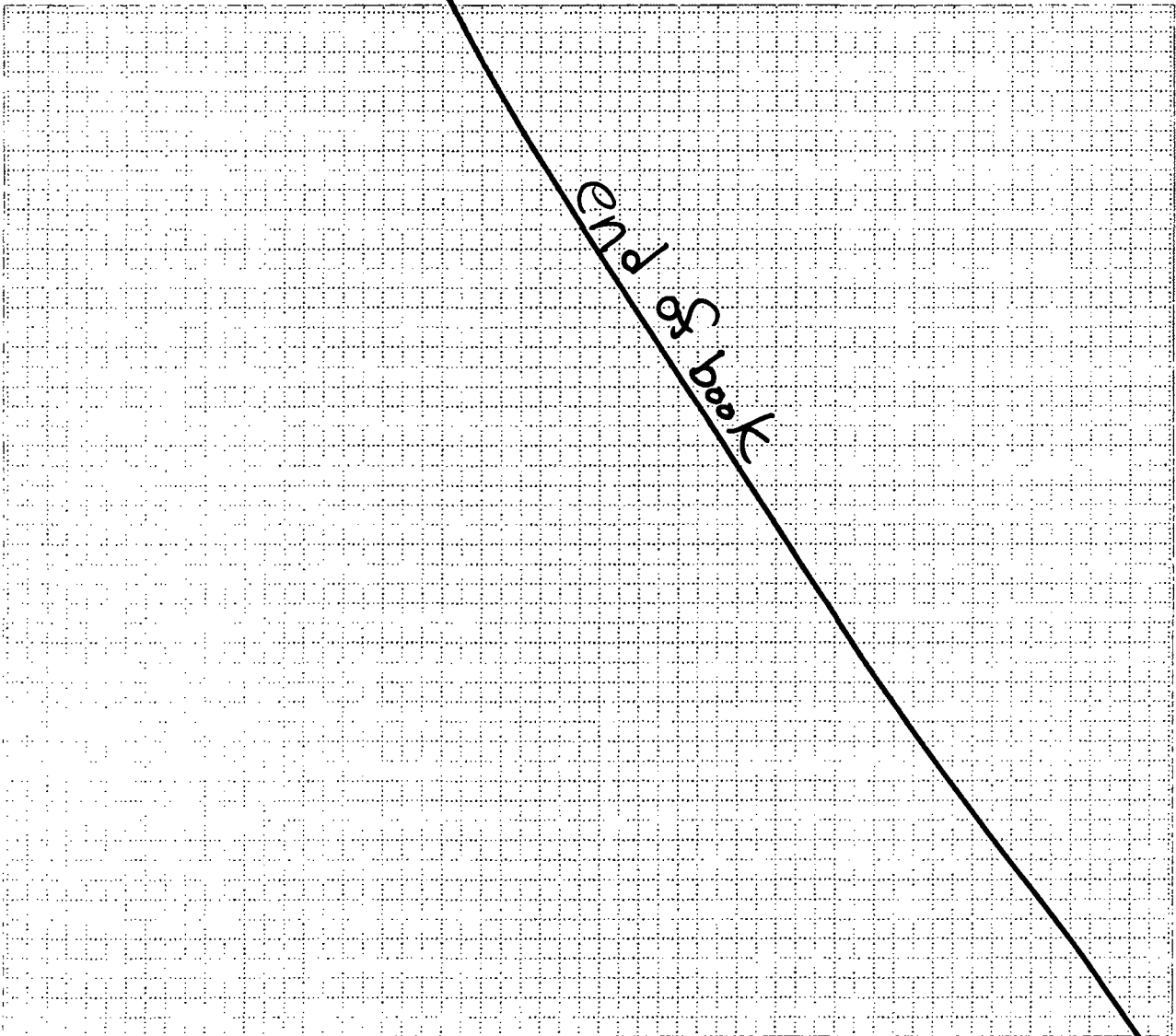
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



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