LB00073

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United States Environmental Protection Agency
Region 4

OTIE
Oneida Total Integrated Enterprises

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FIELD SAMPLING LOGBOOK

Book 1 **of** ___

Inclusive Dates: 4-15-2013 / 4-

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	[redacted]	OTIE ,Team Leader
	EM	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 (≤) 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 ≤ ¼-acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over ¼-acre in parcel lot size will be divided into ¼-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

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

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

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

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

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

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

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

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

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

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

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

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

ADDRESS: (b) (6)

PROPERTY ID: CV1082

DATE: 4-15-13

ARRIVAL TIME: 1230

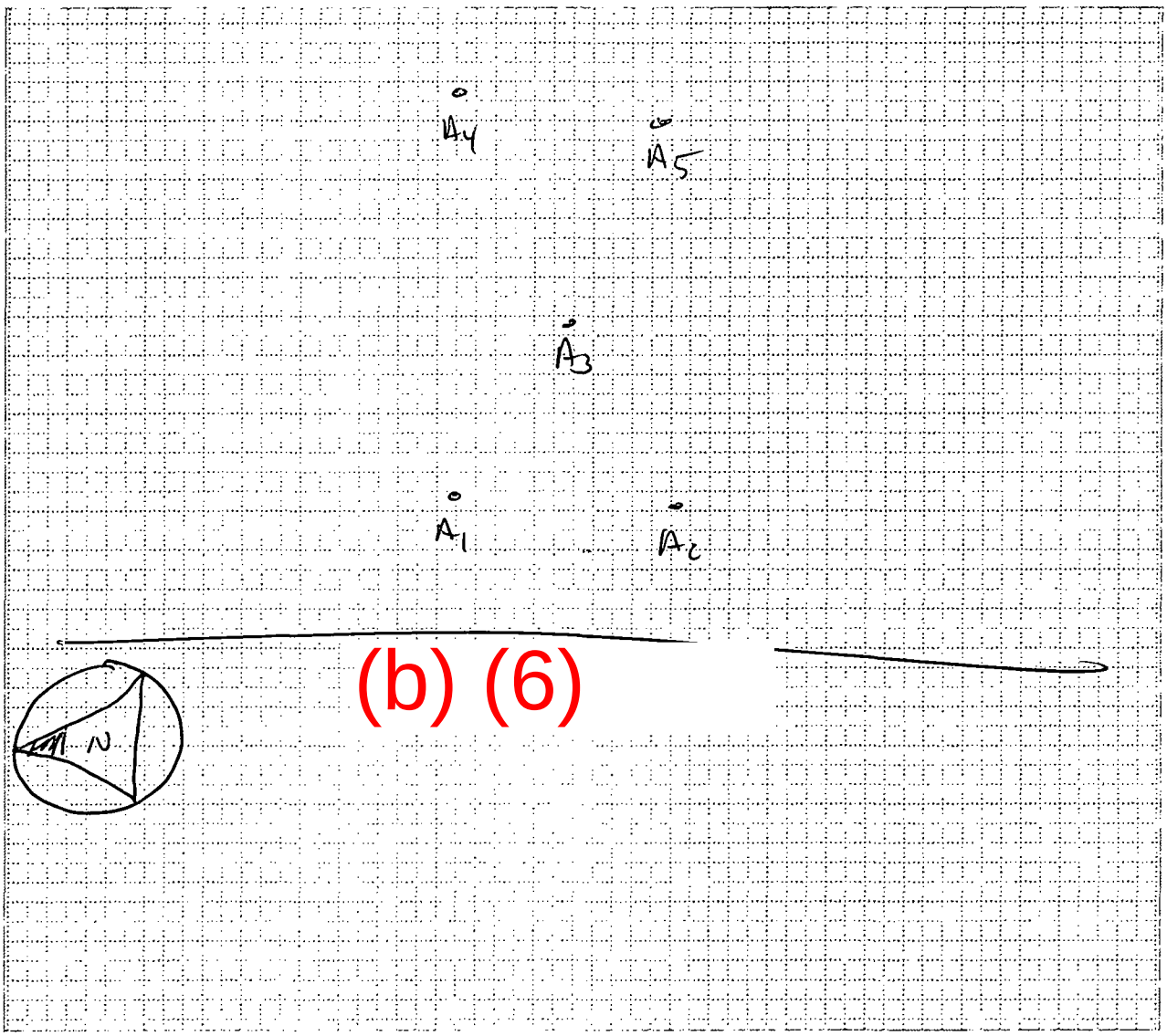
Other pertinent information (weather conditions, etc.):

74° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1082 **SAMPLE ID:** CV1082A-CS

SAMPLE COLLECTION TIME: 1245

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:** CV1082A-CS-D

GPS Coordinates: Trimble [ ] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55008211 N *Longitude* 86.79988942 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.55008342 N *Longitude* 86.79993885 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55002003 N *Longitude* 86.79990930 W

Media description: SAme A1 + Coal

Aliquot #4: *Latitude:* 33.54996719 N *Longitude* 86.79989520 W

Media description: Dark Brown silty Clay w/Coal

Aliquot #5: *Latitude:* 33.54997052 N *Longitude* 86.79992320 W

Media description: SAme A4

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: 4/15/13

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: CU 1001

DATE: 4-15-13 ARRIVAL TIME: 1250

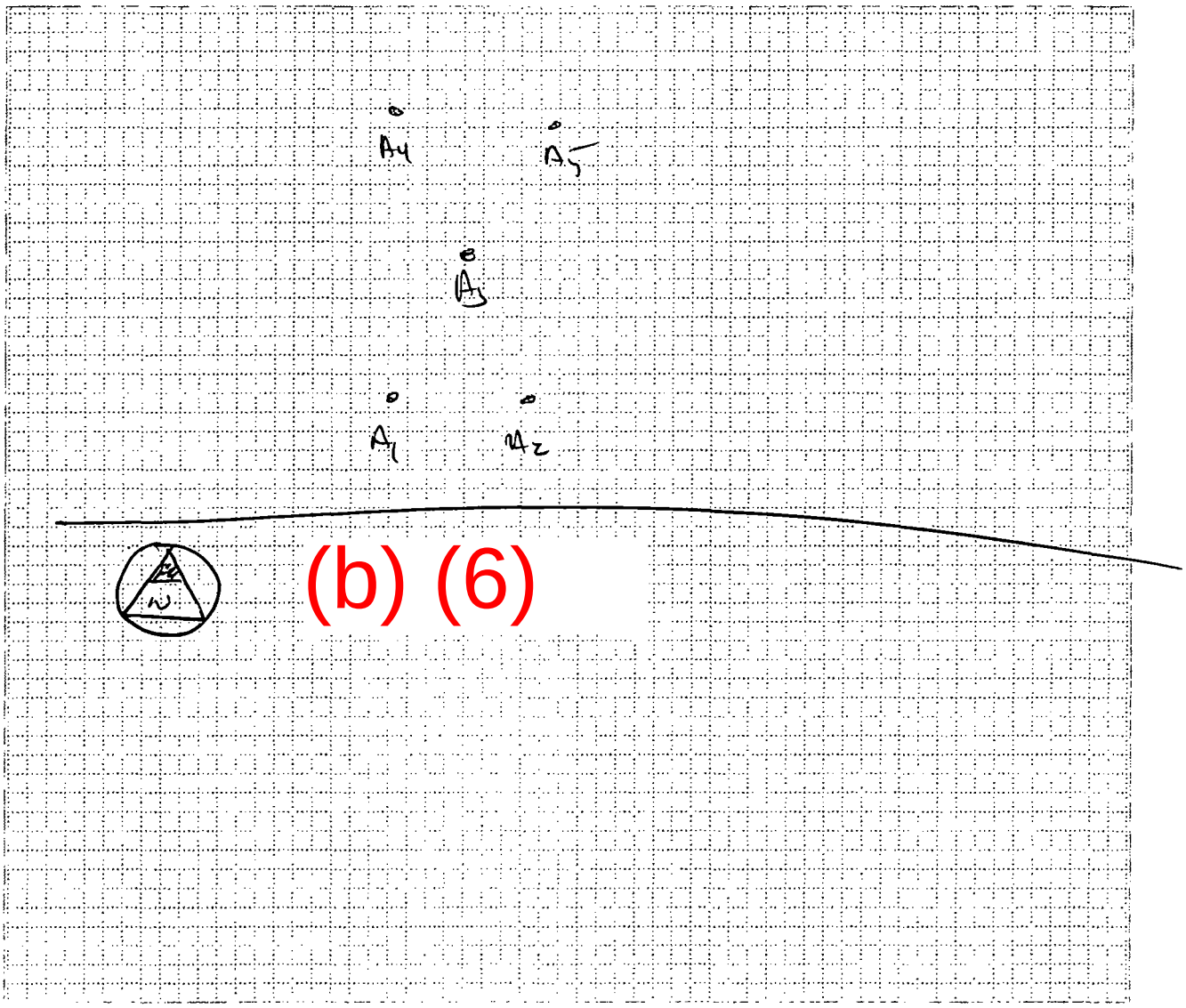
Other pertinent information (weather conditions, etc.):

74° overcast

PROPERTY COMMENTS:

Empty Park

Grid for property sketch



STATION ID: CV1001 **SAMPLE ID:** CV1001A-CS

SAMPLE COLLECTION TIME: 1310

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.54965855 N *Longitude* 86.79922641 W

Media description: Brown silty Clay + Coal

Aliquot #2 *Latitude:* 33.54966345 N *Longitude* 86.79919699 W

Media description: Same A1

Aliquot #3: *Latitude:* ~~Brown silt~~ ~~N Longitude~~ 33.54971130 / 86.79920062

Media description: Brown silty soil

Aliquot #4: *Latitude:* 33.54977596 N *Longitude* 86.79923335 W

Media description: Blue silty Clay ~~w~~

Aliquot #5: *Latitude:* 33.54977253 N *Longitude* 86.79920008 W

Media description: Brown silty soil

STATION ID: **SAMPLE ID:**

SAMPLE COLLECTION TIME:

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

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

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

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

Aliquot #1: *Latitude:* 4/15/13 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: Rm0337

DATE: 4/16/13 ARRIVAL TIME: 830

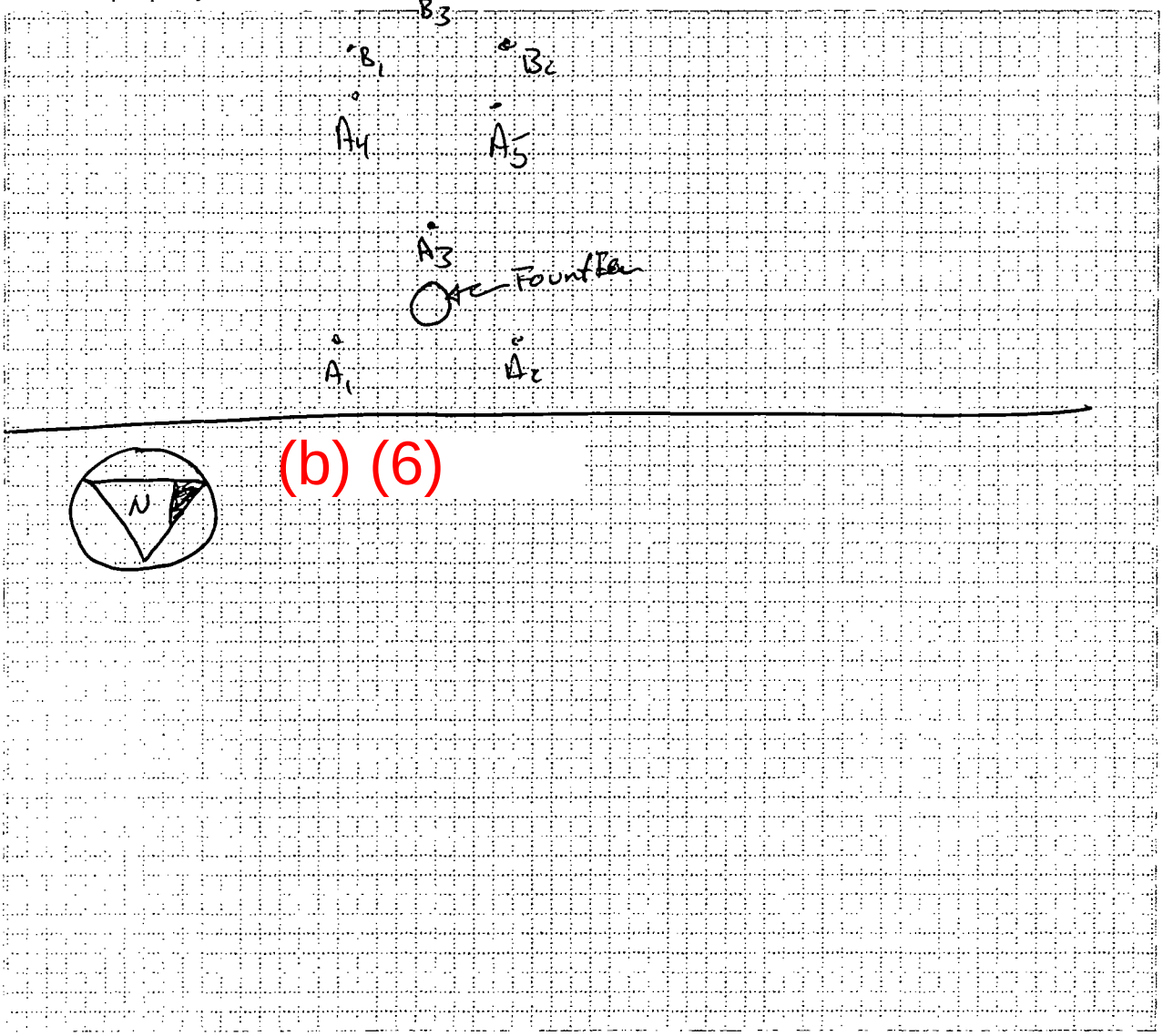
Other pertinent information (weather conditions, etc.):

72° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: Fm0337 SAMPLE ID: Fm0337A-CS

SAMPLE COLLECTION TIME: 845

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56371681 N *Longitude* 86.81386723 W

Media description: Brown silty Clay w/coal

Aliquot #2 *Latitude:* 33.56379570 N *Longitude* 86.81386078 W

Media description: Dark Brown silty clay

Aliquot #3: *Latitude:* 33.56375369 N *Longitude* 86.81391929 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.56371228 N *Longitude* 86.81397752 W

Media description: SAme A2

Aliquot #5: *Latitude:* 33.56379257 N *Longitude* 86.81397158 W

Media description: SAme A2

STATION ID: Fm0337 SAMPLE ID: Fm0337B-CS

SAMPLE COLLECTION TIME: 0900

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: Fm0337B-D-CS

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56377091 N *Longitude* 86.81405381 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.56378960 N *Longitude* 86.81405940 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.56374655 N *Longitude* 86.81414677 W

Media description: SAme B1

Aliquot #4: *Latitude:* 33.56371273 N *Longitude* 86.81419149 W

Media description: SAme B1

Aliquot #5: *Latitude:* 33.56379344 N *Longitude* 86.81421071 W

Media description: SAme B1

ADDRESS: (b) (6)

PROPERTY ID: Rm0342

DATE: 4/16/13

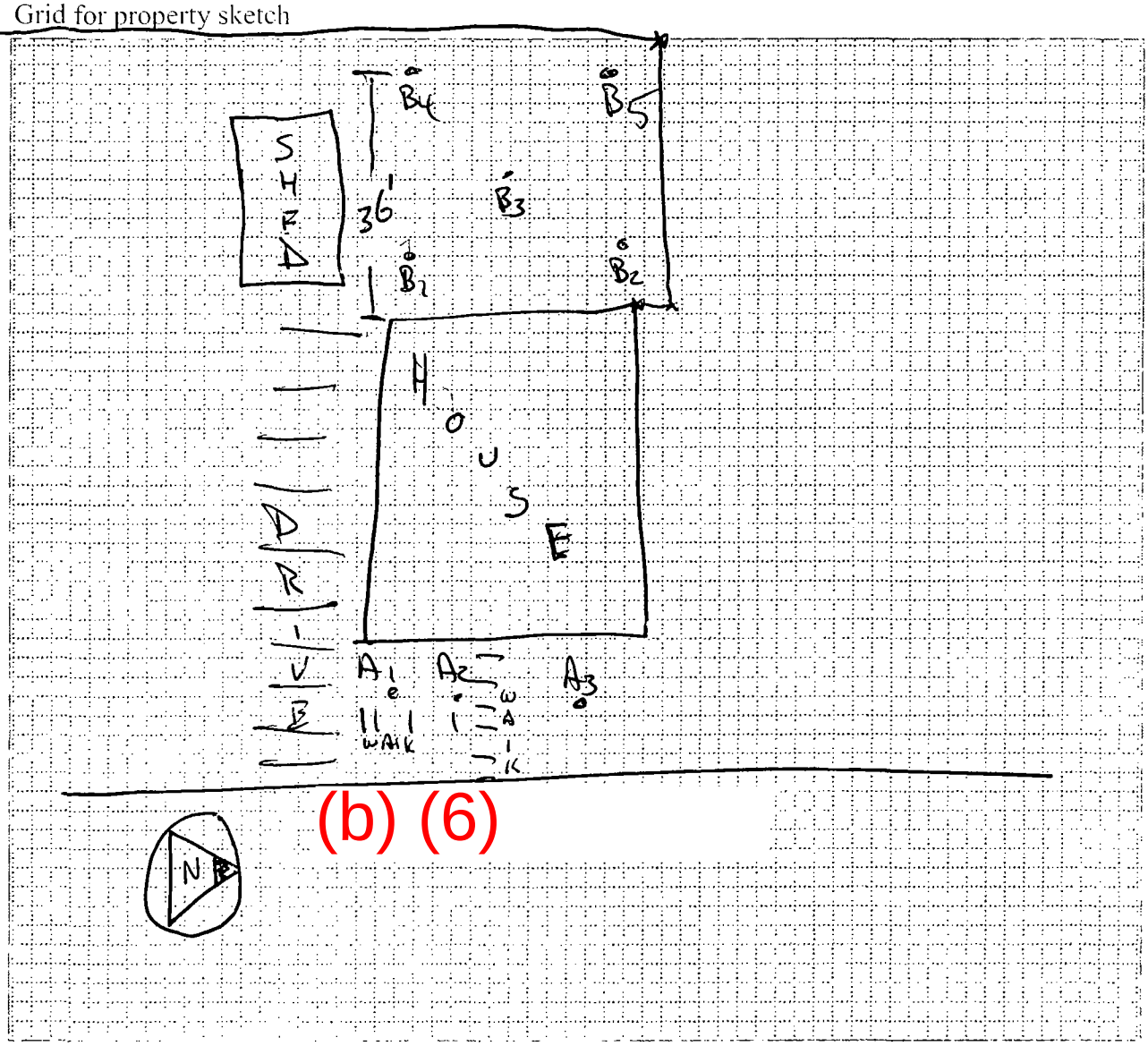
ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

72° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm0342 SAMPLE ID: Fm0342A-CS

SAMPLE COLLECTION TIME: 0910

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

Front yard

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

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

GPS Coordinates: Trimble [4] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.563873734 N *Longitude* 86.81385626 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.563891102 N *Longitude* 86.81385802 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.563918334 N *Longitude* 86.81383933 W

Media description: Same A1

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

Media description: DE

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

Media description: 4/16/13

STATION ID: Fm0342 SAMPLE ID: Fm0342B-CS

SAMPLE COLLECTION TIME: 0920

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

~~DE~~ Empty 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 [4] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.563857279 N *Longitude* 86.81409639 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.563927814 N *Longitude* 86.81408571 W

Media description: Dark Brown silty Clay

Aliquot #3: *Latitude:* 33.563908886 N *Longitude* 86.81413699 W

Media description: Dark Brown silty Clay w/Gravel

Aliquot #4: *Latitude:* 33.563936044 N *Longitude* 86.81419591 W

Media description: Dark Brown silty Clay w/Gravel

Aliquot #5: *Latitude:* 33.563921124 N *Longitude* 86.81418528 W

Media description: Dark Brown silty Clay w/Gravel

ADDRESS: (b) (6) PROPERTY ID: Fm 0015

DATE: 4/16/13 ARRIVAL TIME: 0950

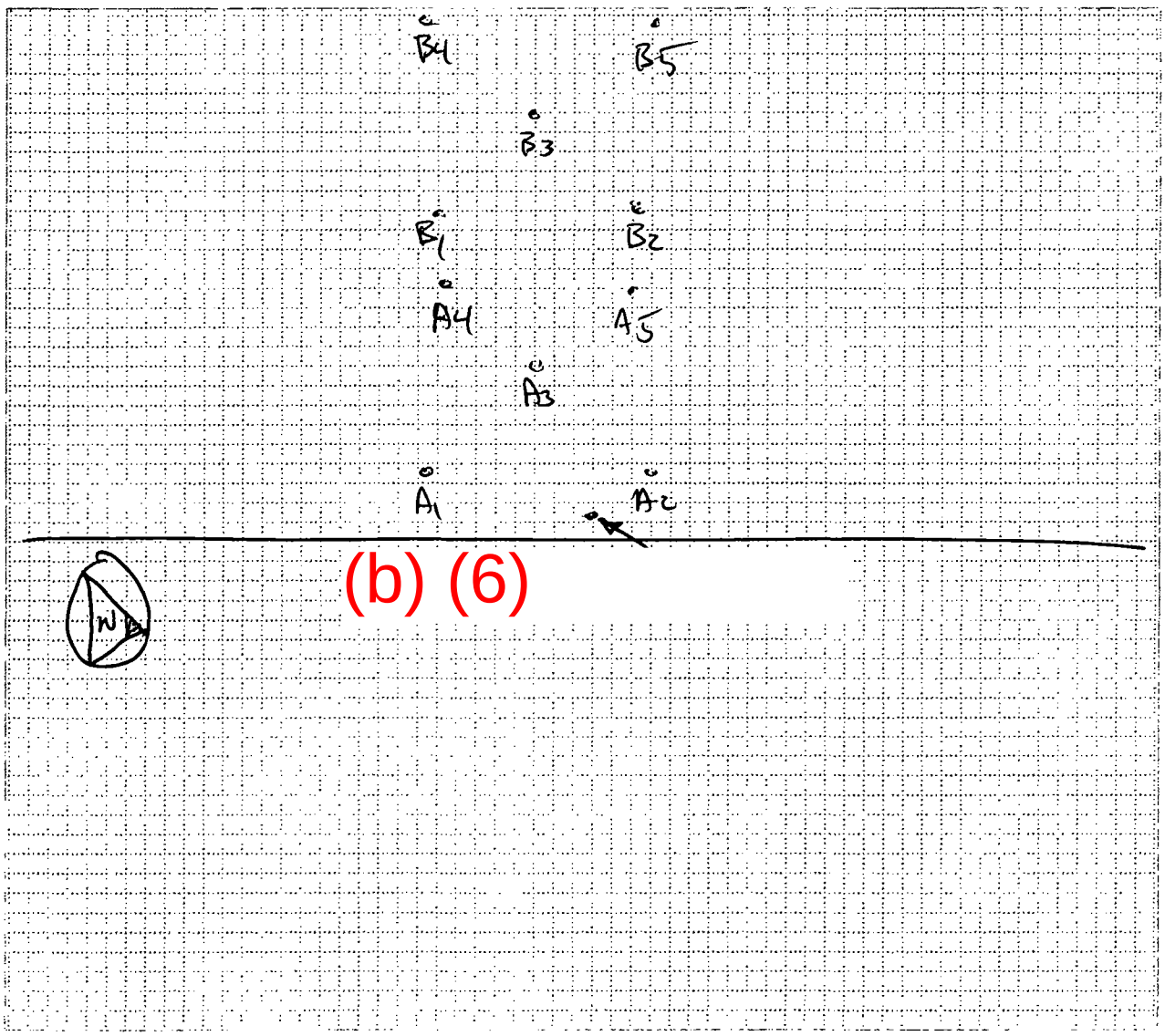
Other pertinent information (weather conditions, etc.):

72° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: FM0015 SAMPLE ID: FM0015A-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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56389419 N *Longitude* 86.81047951 W

Media description: _____

Aliquot #2 *Latitude:* 33.56395568 N *Longitude* 86.81048962 W

Media description: _____

Aliquot #3: *Latitude:* 33.56391826 N *Longitude* 86.81055908 W

Media description: _____

Aliquot #4: *Latitude:* 33.56388603 N *Longitude* 86.81062873 W

Media description: _____

Aliquot #5: *Latitude:* 33.56396907 N *Longitude* 86.81063906 W

Media description: _____

STATION ID: FM0015 SAMPLE ID: FM0015B-CS

SAMPLE COLLECTION TIME: ~~1020~~ 1010

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56390200 N *Longitude* 86.81071483 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.56397316 N *Longitude* 86.81069928 W

Media description: Brown silty Clay

Aliquot #3: *Latitude:* 33.56394620 N *Longitude* 86.81076253 W

Media description: Dark Brown silty Clay

Aliquot #4: *Latitude:* 33.56391474 N *Longitude* 86.81083530 W

Media description: Same B3

Aliquot #5: *Latitude:* 33.56397067 N *Longitude* 86.81082499 W

Media description: Same B3

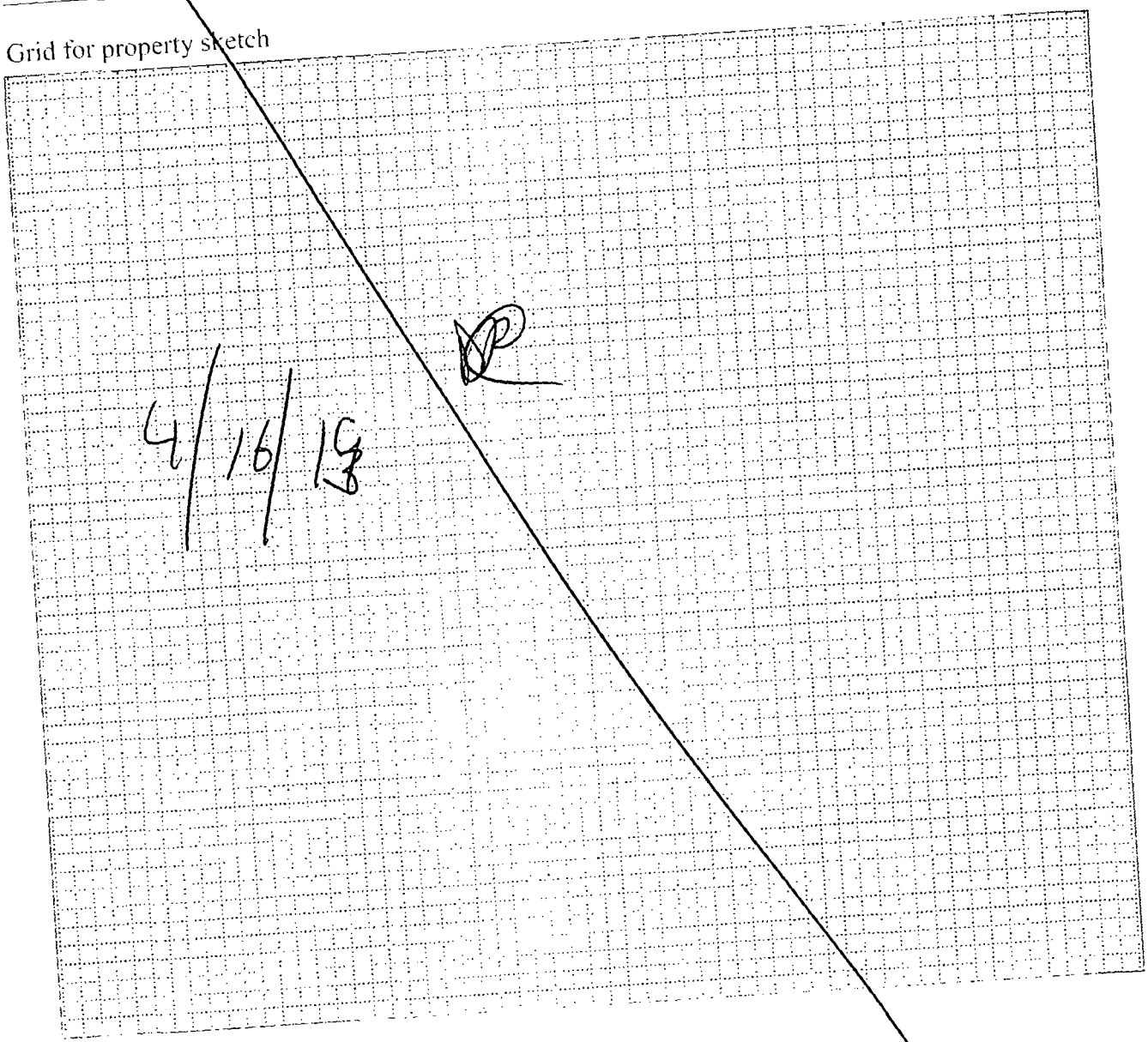
ADDRESS: Cont, PROPERTY ID: Fm0015

DATE: 4/16/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Rm0015 **SAMPLE ID:** Rm0015C-G

SAMPLE COLLECTION TIME: 1020

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 [ ] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56396397 N *Longitude* 86.81041505 W

Media description: Dark Brown silty clay - wet

Aliquot #2 *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #3: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #4: *Latitude:* 4/16/13 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:* 4/16/13 N *Longitude* _____ W

Media description: _____

Aliquot #3: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

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

Media description: _____

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

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: Fm 0013

DATE: 4/16/13 ARRIVAL TIME: 0950

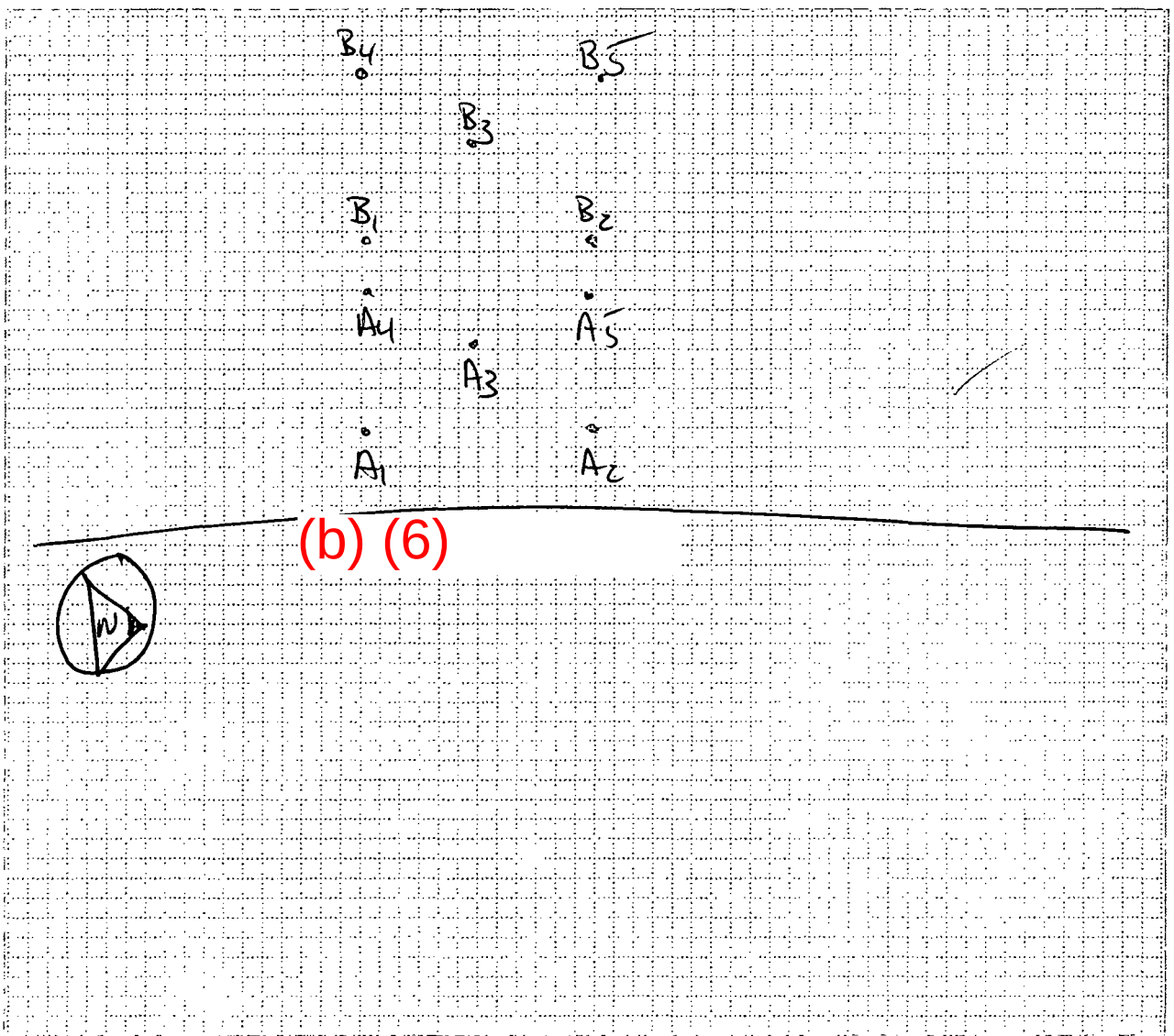
Other pertinent information (weather conditions, etc.):

74° overcast

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: FM0013 SAMPLE ID: FM0013A-CS

SAMPLE COLLECTION TIME: 1040

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56375743 N *Longitude* 86.81050745 W

Media description: Dark Brown Silty Clay - wet

Aliquot #2 *Latitude:* 33.56382371 N *Longitude* 86.81049785 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.56378614 N *Longitude* 86.81055793 W

Media description: Brown silty clay - Dup

Aliquot #4: *Latitude:* 33.56375376 N *Longitude* 86.81063465 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.56380989 N *Longitude* 86.81063480 W

Media description: Brown silty Clay - Dup

STATION ID: FM0013 SAMPLE ID: FM0013B-CS

SAMPLE COLLECTION TIME: 1050

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56376074 N *Longitude* 86.81071268 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.56383577 N *Longitude* 86.81071349 W

Media description: Brown silty Clay

Aliquot #3: *Latitude:* 33.56379016 N *Longitude* 86.81077239 W

Media description: Light Brown silty clay

Aliquot #4: *Latitude:* 33.56376126 N *Longitude* 86.81083159 W

Media description: Light Brown silty clay

Aliquot #5: *Latitude:* 33.56383120 N *Longitude* 86.81083346 W

Media description: Brown silty Clay

ADDRESS: (b) (6) PROPERTY ID: CV1344

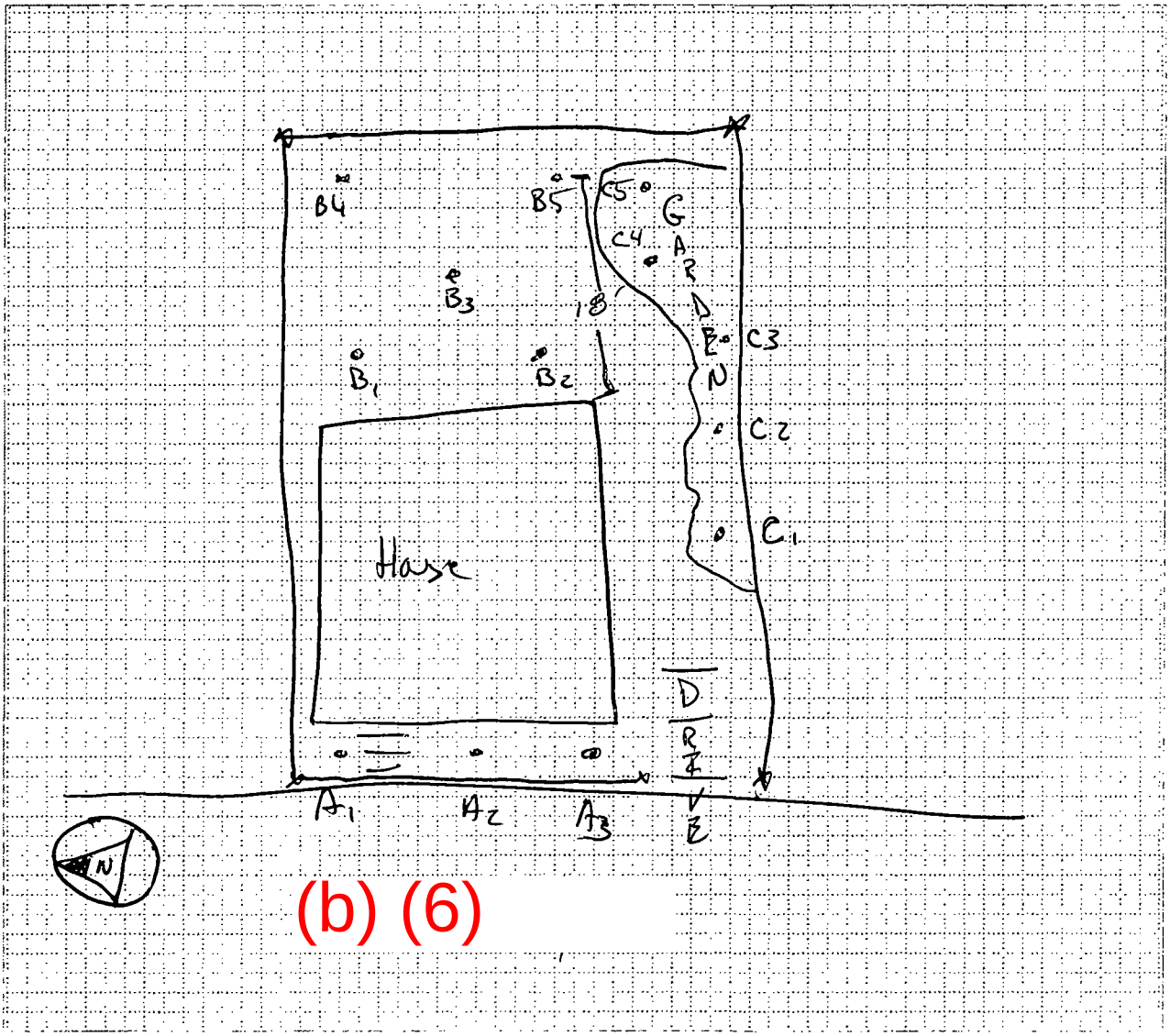
DATE: 4/16/13 ARRIVAL TIME: 1300

Other pertinent information (weather conditions, etc.):

83° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1344 SAMPLE ID: CV1344A-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: CV1344A-D-CS

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55252694 N *Longitude* 86.79903770 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* 33.55249954 N *Longitude* 86.79903815 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55247335 N *Longitude* 86.79903450 W

Media description: Dark Brown silty clay

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

Media description: DA

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

Media description: 4/16/13

STATION ID: CV1344 SAMPLE ID: CV1344B-CS

SAMPLE COLLECTION TIME: 1320

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

Back yard

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

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.53250490 N *Longitude* 86.79883728 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* 33.55246182 N *Longitude* 86.79883746 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.55248038 N *Longitude* 86.79881537 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.55250746 N *Longitude* 86.79879179 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.55246051 N *Longitude* 86.79879613 W

Media description: Same B1

ADDRESS: Conf PROPERTY ID: CV1344

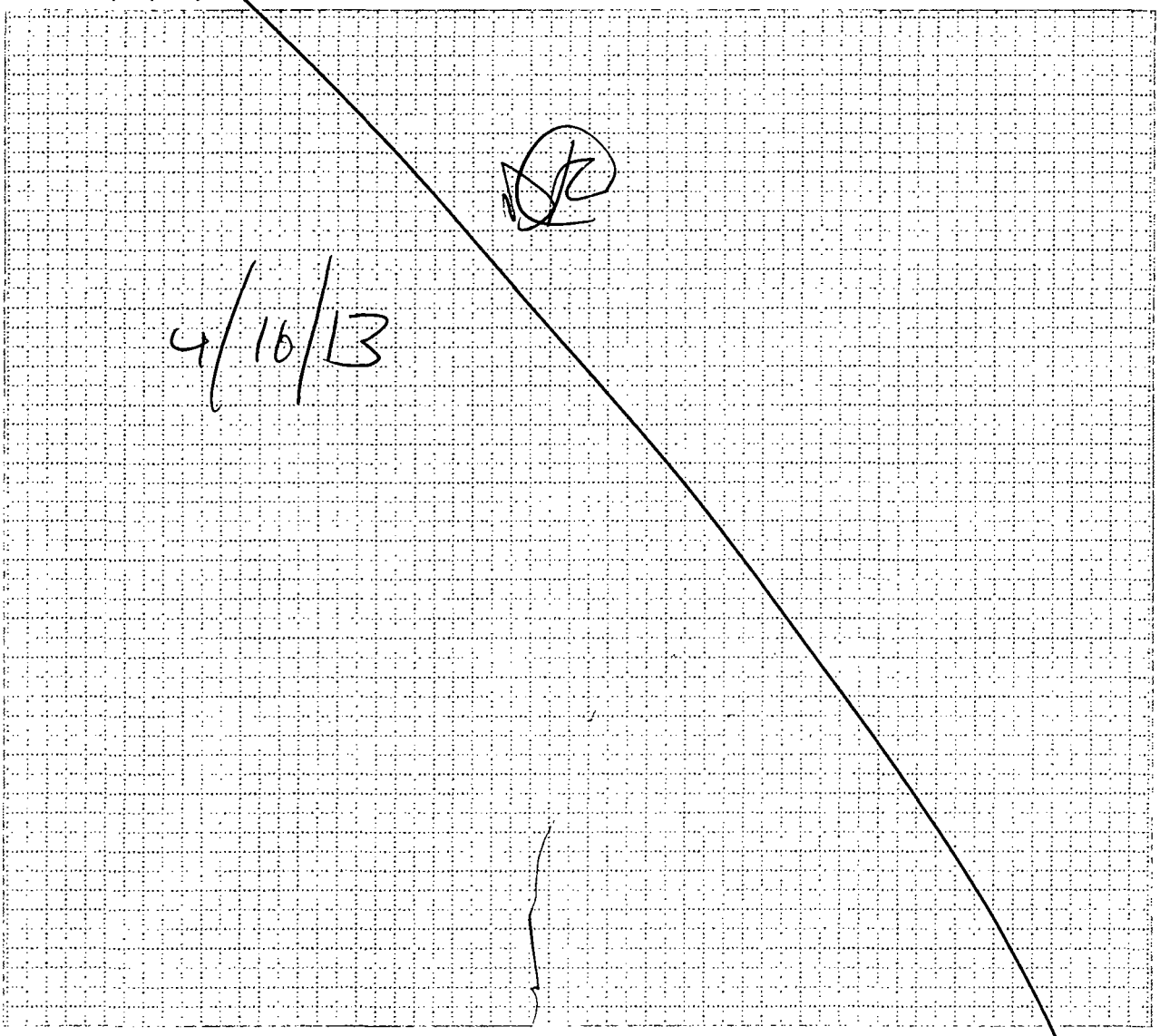
DATE: 4/16/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

94° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1344 **SAMPLE ID:** CV1344C-C5

SAMPLE COLLECTION TIME: 1330

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

Vegetabl garden

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.552 43094 N *Longitude* 86.79893389 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.55243668 N *Longitude* 86.79890914 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.552 43428 N *Longitude* 86.79888523 W

Media description: Same C1

Aliquot #4: *Latitude:* 33.53244 332 N *Longitude* 86.79884594 W

Media description: Same C1

Aliquot #5: *Latitude:* 33.552 43523 N *Longitude* 86.79887582 W

Media description: Same C1

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: _____

4/16/13

ADDRESS: (b) (6) PROPERTY ID: CV1219

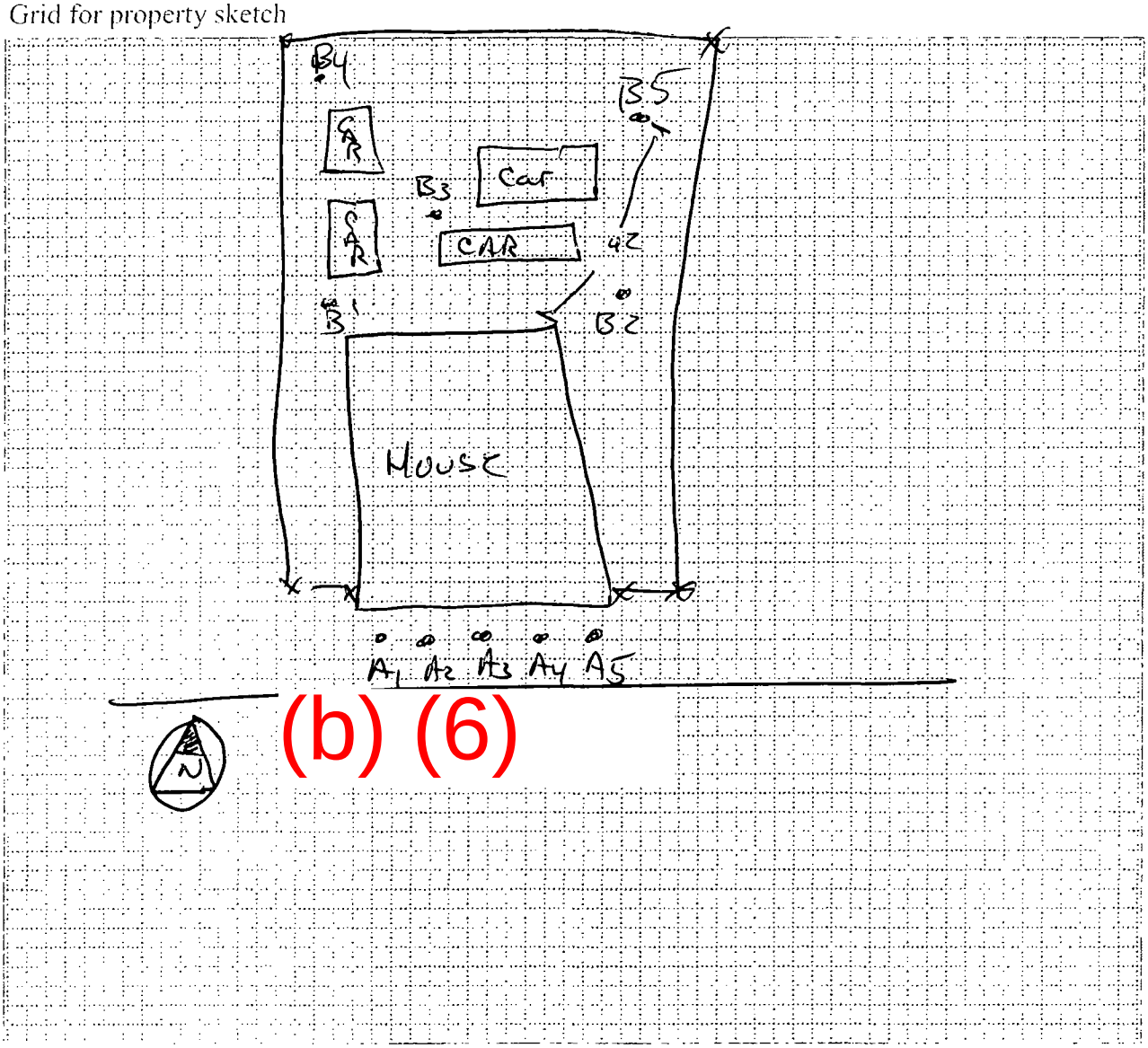
DATE: 4/16/2013 ARRIVAL TIME: 1340

Other pertinent information (weather conditions, etc.):

84° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1219 **SAMPLE ID:** CV1219A-CS

SAMPLE COLLECTION TIME: 1350

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:** CV1219A-CS-D

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.552120 85 N *Longitude* 86.80265102 W

Media description: Black sandy silty clay

Aliquot #2 *Latitude:* 33.55211409 N *Longitude* 86.80263398 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.552111309 N *Longitude* 86.80261702 W

Media description: Same A1

Aliquot #4: *Latitude:* ~~CV1219~~ 33.55210914 N *Longitude* 86.80259512 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.55210857 N *Longitude* 86.80255756 W

Media description: Same A1

STATION ID: CV1219 **SAMPLE ID:** CV1219B-CS

SAMPLE COLLECTION TIME: 1400

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

Back yard.

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.552344 89 N *Longitude* 86.80206143 W

Media description: Black silty clay

Aliquot #2 *Latitude:* 33.55233821 N *Longitude* 86.80257247 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.55236090 N *Longitude* 86.80262237 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.552427 70 N *Longitude* 86.80269198 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.55242726 N *Longitude* 86.80256174 W

Media description: Same D

ADDRESS: (b) (6) PROPERTY ID: CV1217

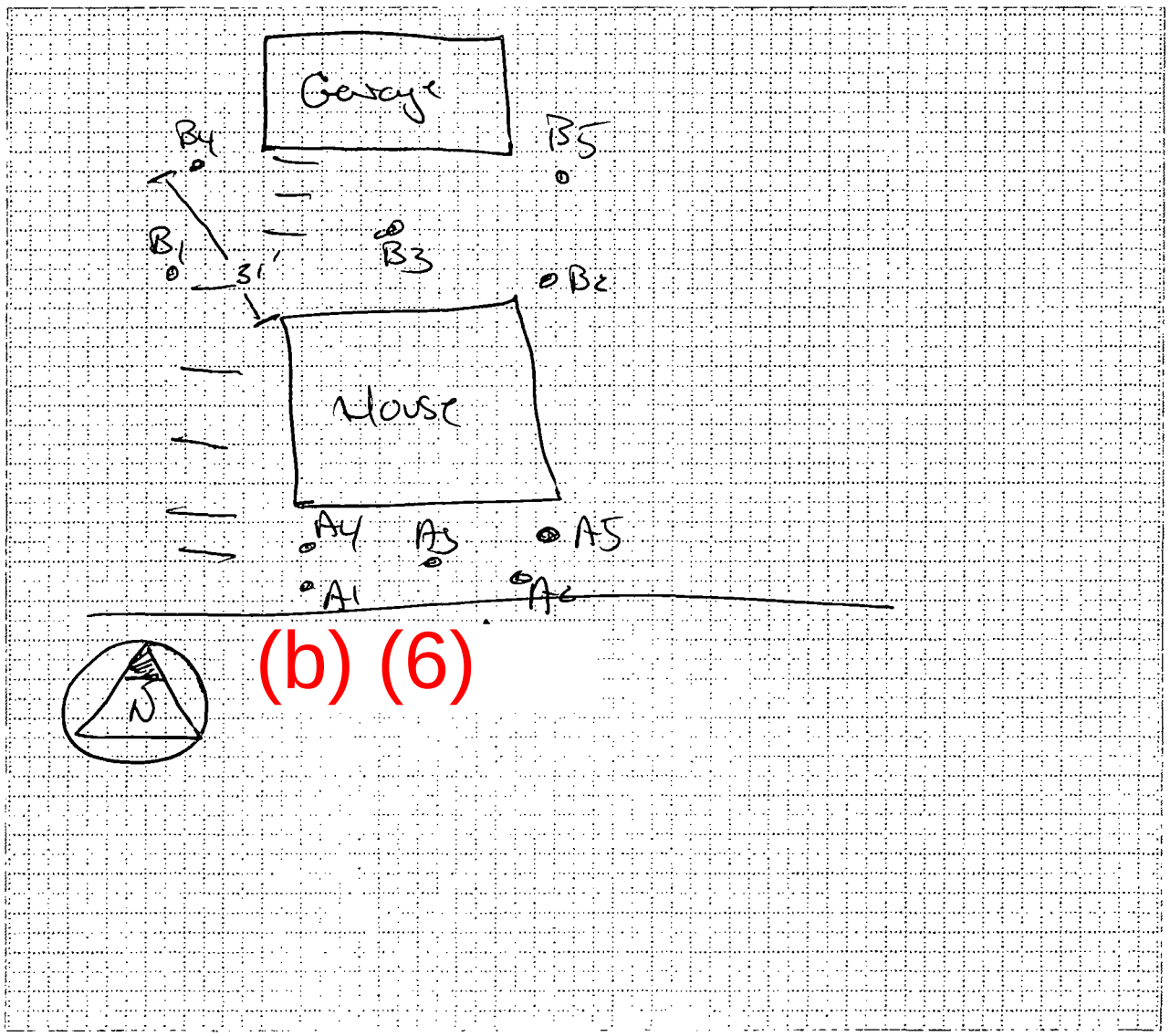
DATE: 4/16/13 ARRIVAL TIME: 1340

Other pertinent information (weather conditions, etc.):

84° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1217 SAMPLE ID: CV1217A-CS

SAMPLE COLLECTION TIME: 1415

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

Frontyard

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55210696 N *Longitude* 86.80281707 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55210942 N *Longitude* 86.80280173 W

Media description: SAME A1

Aliquot #3: *Latitude:* 33.55211763 N *Longitude* 86.80276651 W

Media description: SAME A1

Aliquot #4: *Latitude:* 33.55212796 N *Longitude* 86.80282614 W

Media description: SAMPA1

Aliquot #5: *Latitude:* 33.55213498 N *Longitude* 86.80271354 W

Media description: SAME A1

STATION ID: CV1217 SAMPLE ID: CV1217B-CS

SAMPLE COLLECTION TIME: 1425

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

Back Yard

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

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55229828 N *Longitude* 86.80285238 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55228269 N *Longitude* 86.80272193 W

Media description: Dark Brown silty clay

Aliquot #3: *Latitude:* 33.55233157 N *Longitude* 86.80276531 W

Media description: Black silt

Aliquot #4: *Latitude:* 33.55237064 N *Longitude* 86.80284841 W

Media description: Brown silty clay

Aliquot #5: *Latitude:* 33.55236329 N *Longitude* 86.80271971 W

Media description: Black silt

ADDRESS: (b) (6) PROPERTY ID: CV0689

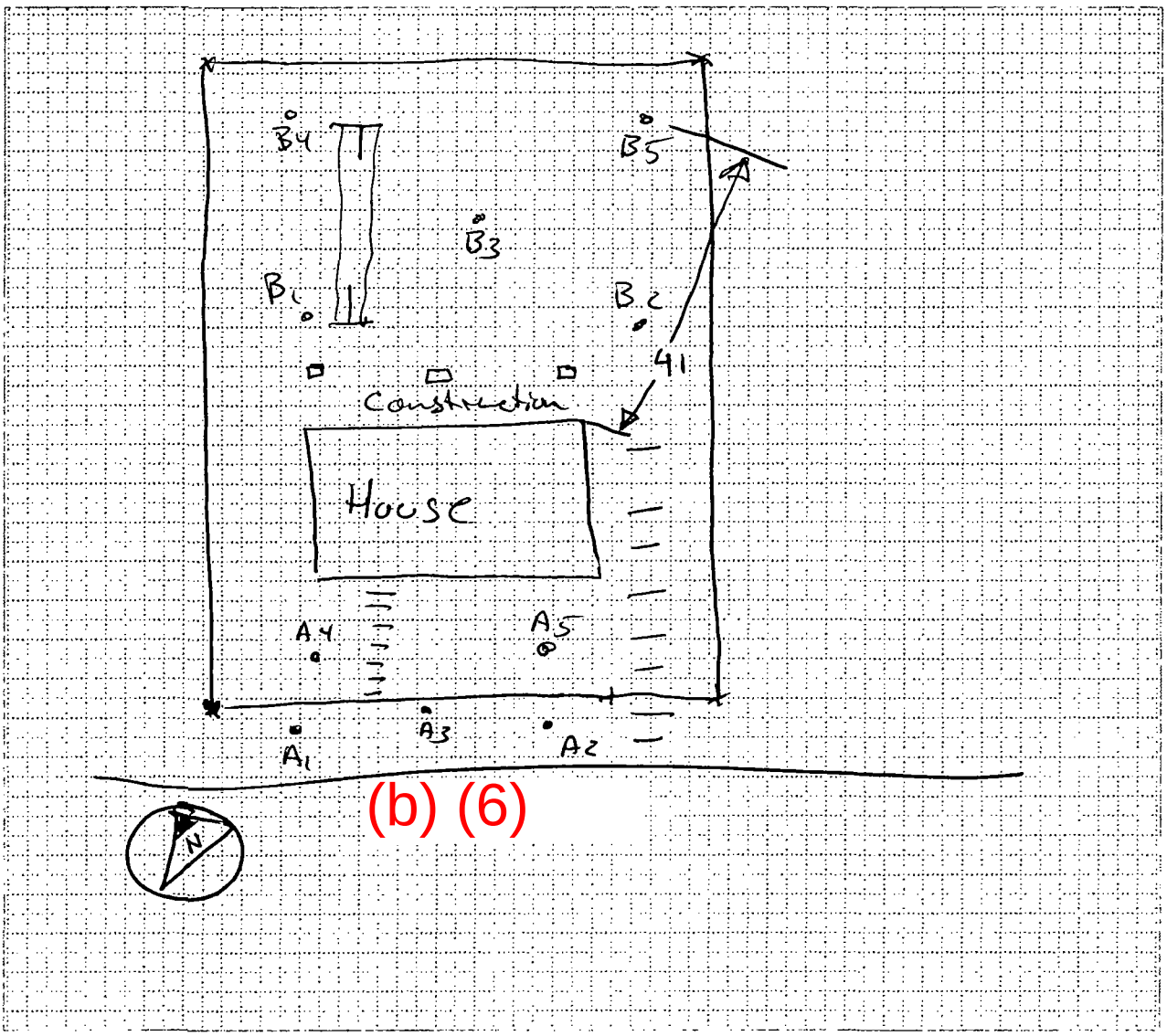
DATE: 4/17/13 ARRIVAL TIME: 0820

Other pertinent information (weather conditions, etc.):

80° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0689 SAMPLE ID: CV0689A-CS

SAMPLE COLLECTION TIME: 0830

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

Front yard

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

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55928 46 N *Longitude* 86.80258628 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55933464 N *Longitude* 86.80254169 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55933685 N *Longitude* 86.80258264 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55932349 N *Longitude* 86.80264151 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.55937813 N *Longitude* 86.80260486 W

Media description: SAme A1

STATION ID: CV0689 SAMPLE ID: CV0689B-CS

SAMPLE COLLECTION TIME: 0840

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: CV0689B-CS-D

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55947114 N *Longitude* 86.80281721 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55953755 N *Longitude* 86.80276527 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.55953845 N *Longitude* 86.80284371 W

Media description: SAme B1

Aliquot #4: *Latitude:* 33.55953103 N *Longitude* 86.80290361 W

Media description: SAme B1

Aliquot #5: *Latitude:* 33.55959209 N *Longitude* 86.80282845 W

Media description: SAme B1

ADDRESS: (b) (6) PROPERTY ID: CV1102

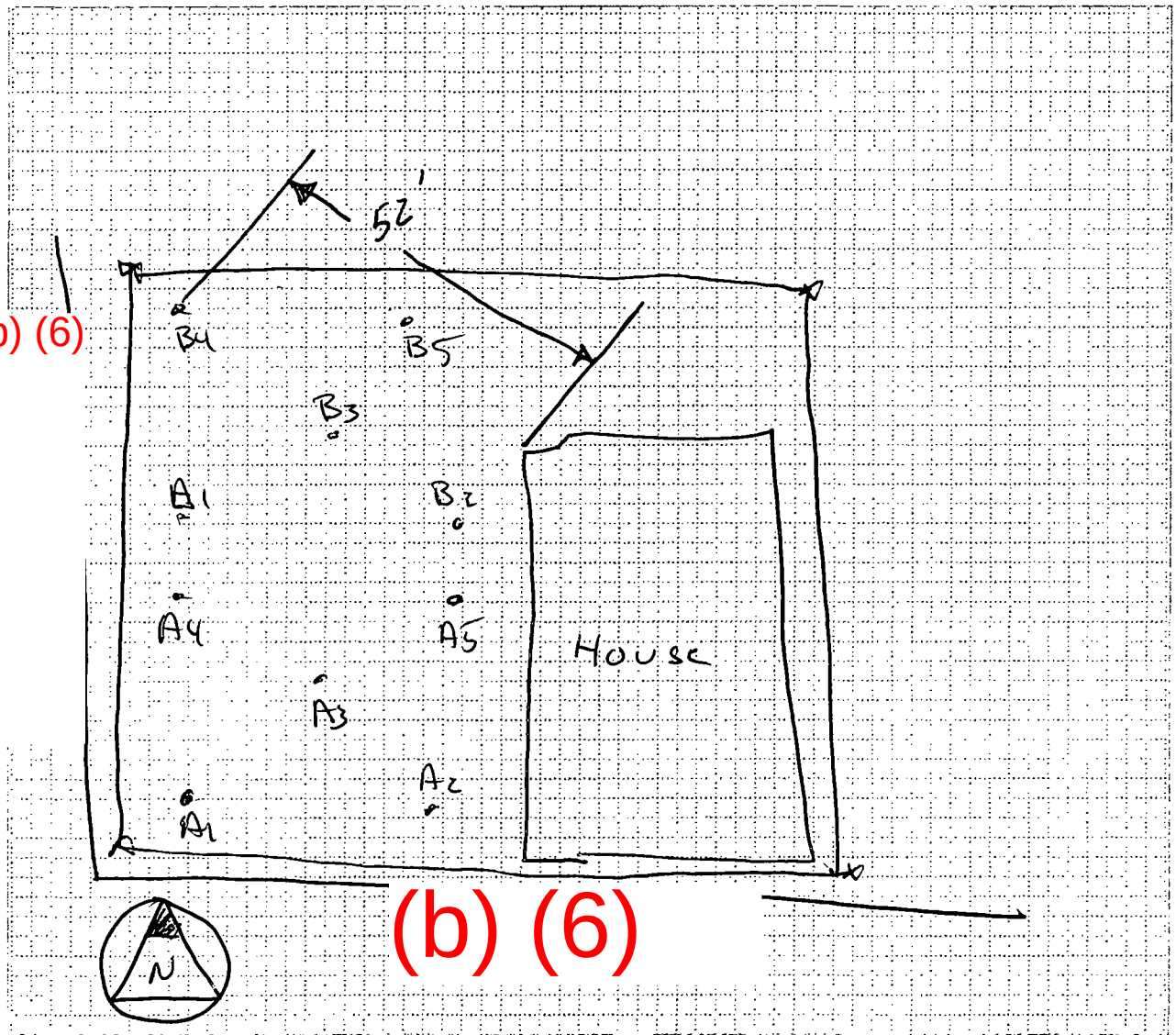
DATE: 4/17/13 ARRIVAL TIME: 0900

Other pertinent information (weather conditions, etc.):

77° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1102 SAMPLE ID: CV1102A-CS

SAMPLE COLLECTION TIME: ~~0900~~ 0910

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

Front Area 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 [Y] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55042181 N *Longitude* 86.79827545 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55041558 N *Longitude* 86.79818311 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55047697 N *Longitude* 86.79823628 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55051491 N *Longitude* 86.79828471 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.55051300 N *Longitude* 86.79819163 W

Media description: SAme A1

STATION ID: CV1102 SAMPLE ID: CV1102B-CS

SAMPLE COLLECTION TIME: 0920

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

Back of Area 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 [Y] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55055730 N *Longitude* 86.79830621 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55055950 N *Longitude* 86.79819654 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.55060761 N *Longitude* 86.79824144 W

Media description: SAme B1

Aliquot #4: *Latitude:* 33.55067046 N *Longitude* 86.79831478 W

Media description: SAme B1 + slag

Aliquot #5: *Latitude:* 33.55066170 N *Longitude* 86.79819036 W

Media description: SAme B1

ADDRESS (b) (6) PROPERTY ID: CV0117

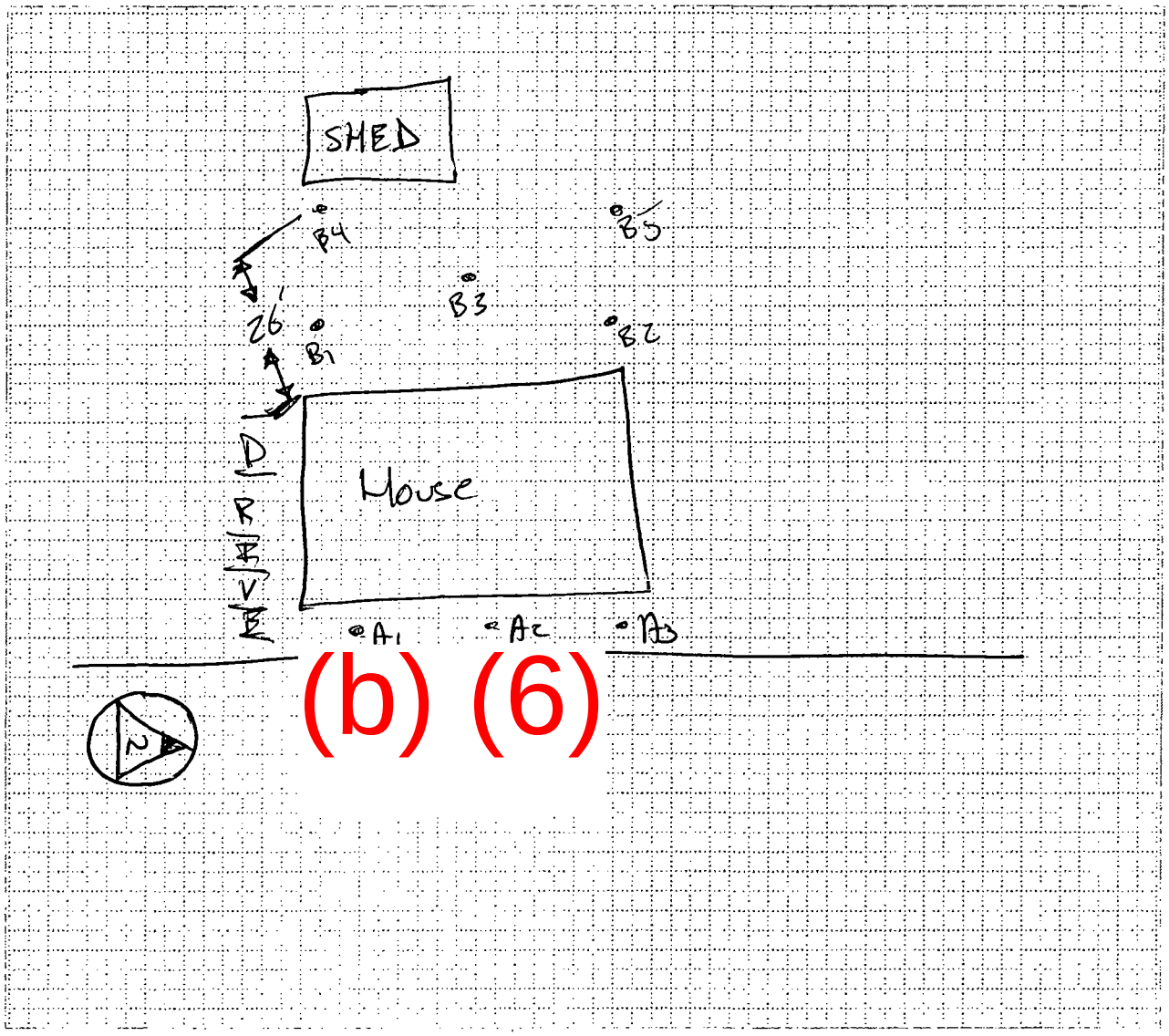
DATE: 4/17/13 ARRIVAL TIME: 1010

Other pertinent information (weather conditions, etc.):

77° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0117 SAMPLE ID: CV0117A-CS

SAMPLE COLLECTION TIME: 1020

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

Front yard

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

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.559777791 N *Longitude* 86.80488008 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.55969604 N *Longitude* 86.80490426 W

Media description: Brown silty Clay

Aliquot #3: *Latitude:* 33.55967628 N *Longitude* 86.80489080 W

Media description: SAme A1

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

Media description: ~~SAme A1~~ (N)

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

Media description: ~~SAme~~ (N) 4/17/13

STATION ID: CV0117 SAMPLE ID: CV0117B-CS

SAMPLE COLLECTION TIME: 1030

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

Back Yard.

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

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55977869 N *Longitude* 86.80467498 W

Media description: Dark Brown silty clay & Coal

Aliquot #2 *Latitude:* 33.55968648 N *Longitude* 86.80467351 W

Media description: Dark Brown & gray sandy Clay

Aliquot #3: *Latitude:* 33.55974635 N *Longitude* 86.80465843 W

Media description: ~~SAme B1~~ (N) Dark Brown silty clay

Aliquot #4: *Latitude:* ~~SAme B2~~ (N) N *Longitude* W

Media description: SAme B2 33.55978426 86.80463811

Aliquot #5: *Latitude:* 33.55968715 N *Longitude* 86.80462689 W

Media description: SAme B3

ADDRESS: (b) (6) PROPERTY ID: CV1115

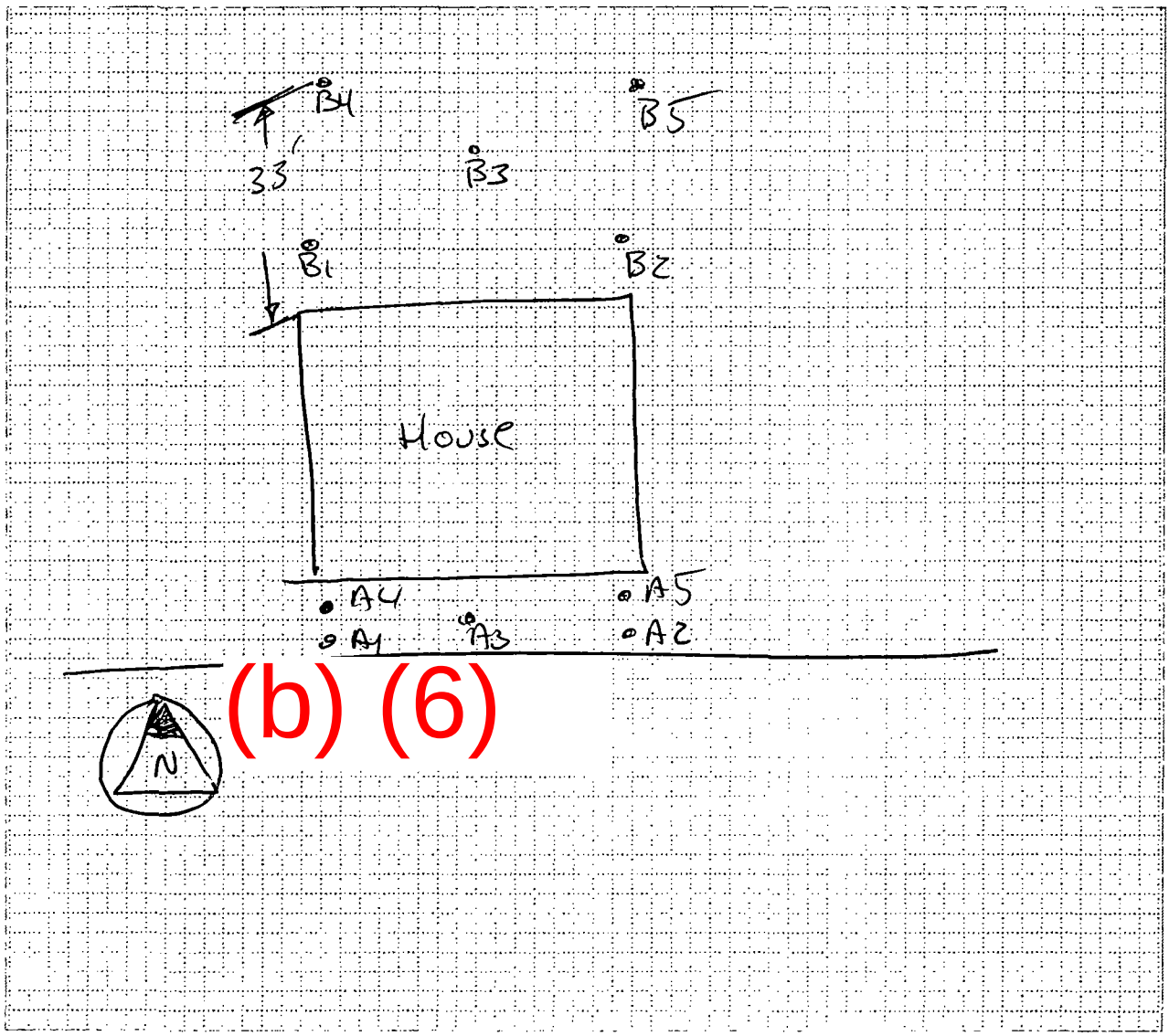
DATE: 4/17/13 ARRIVAL TIME: 1230

Other pertinent information (weather conditions, etc.):

87° Sonny Hot

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1115 SAMPLE ID: CV1115A-CS

SAMPLE COLLECTION TIME: 1240

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: CV1115A-CS-D

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55037590 N *Longitude* 86.79654174 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55037490 N *Longitude* 86.79643374 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55039560 N *Longitude* 86.79648397 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55041118 N *Longitude* 86.79654838 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.55041031 N *Longitude* 86.79643666 W

Media description: SAme A1

STATION ID: CV1115 SAMPLE ID: CV1115B-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: Yes or (No) *If yes, indicate* Duplicate/split sample station ID:

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55056499 N *Longitude* 86.79655015 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55056825 N *Longitude* 86.79645648 W

Media description: Dark Brown silty clay

Aliquot #3: *Latitude:* 33.55060858 N *Longitude* 86.79650207 W

Media description: Brown silty sand.

Aliquot #4: *Latitude:* 33.55063248 N *Longitude* 86.79656989 W

Media description: Brown silty Clay

Aliquot #5: *Latitude:* 33.55064677 N *Longitude* 86.79644592 W

Media description: Black silT

ADDRESS: (b) (6) PROPERTY ID: CV 1178

DATE: 4/17/13 ARRIVAL TIME: 1315

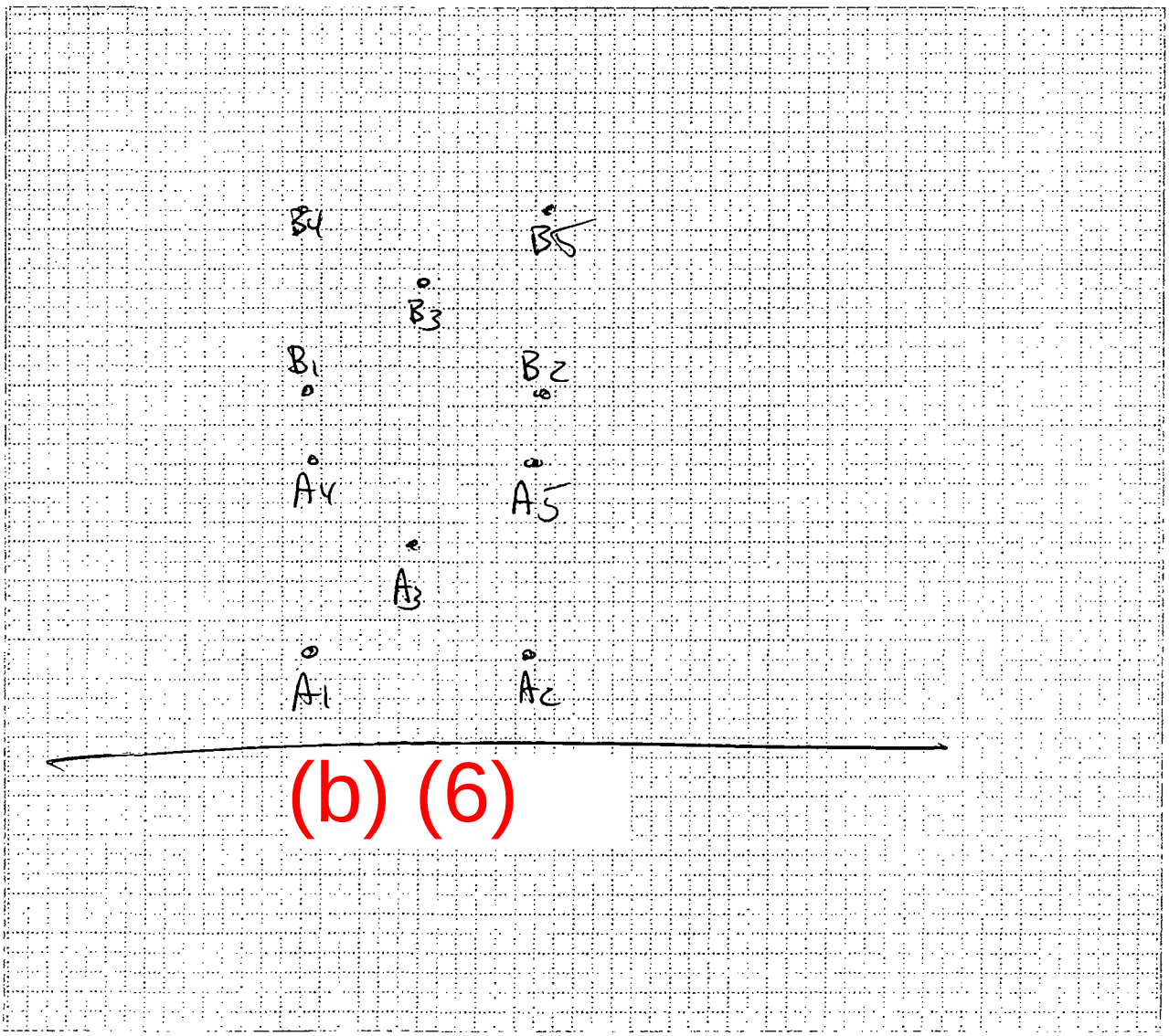
Other pertinent information (weather conditions, etc.):

87° overcast HOT

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1178 **SAMPLE ID:** CV1178A-CS

SAMPLE COLLECTION TIME: 1330

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

Empty Pad

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33,55098809 N *Longitude* 86.79806121 W

Media description: Dark Brown silty ~~soil~~ clay

Aliquot #2 *Latitude:* 33.55113034 N *Longitude* 86.79781263 W

Media description: Dark Brown silty clay

Aliquot #3: *Latitude:* 33.55098370 N *Longitude* 86.79726024 W

Media description: SAme A1

Aliquot #4: *Latitude:* ~~33~~ 33550822 48 N *Longitude* 86.79805649 W

Media description: SAme A1 + Coal

Aliquot #5: *Latitude:* 33,55090270 N *Longitude* 86.79822983 W

Media description: SAme A1 + Coal

STATION ID: CV1178 **SAMPLE ID:** CV1178B-CS

SAMPLE COLLECTION TIME: 1340

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

Empty Pad

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55088916 N *Longitude* 86.79806081 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55087050 N *Longitude* 86.79812861 W

Media description: Brown & Orange silty clay

Aliquot #3: *Latitude:* 33.55082753 N *Longitude* 86.79810405 W

Media description: Dark Brown silty clay

Aliquot #4: *Latitude:* 33.55080270 N *Longitude* 86.79806561 W

Media description: SAme B3

Aliquot #5: *Latitude:* 33.55078703 N *Longitude* 86.79813129 W

Media description: Black silt

ADDRESS: (b) (6) PROPERTY ID: CV1321

DATE: 4/17/13 ARRIVAL TIME: 1410

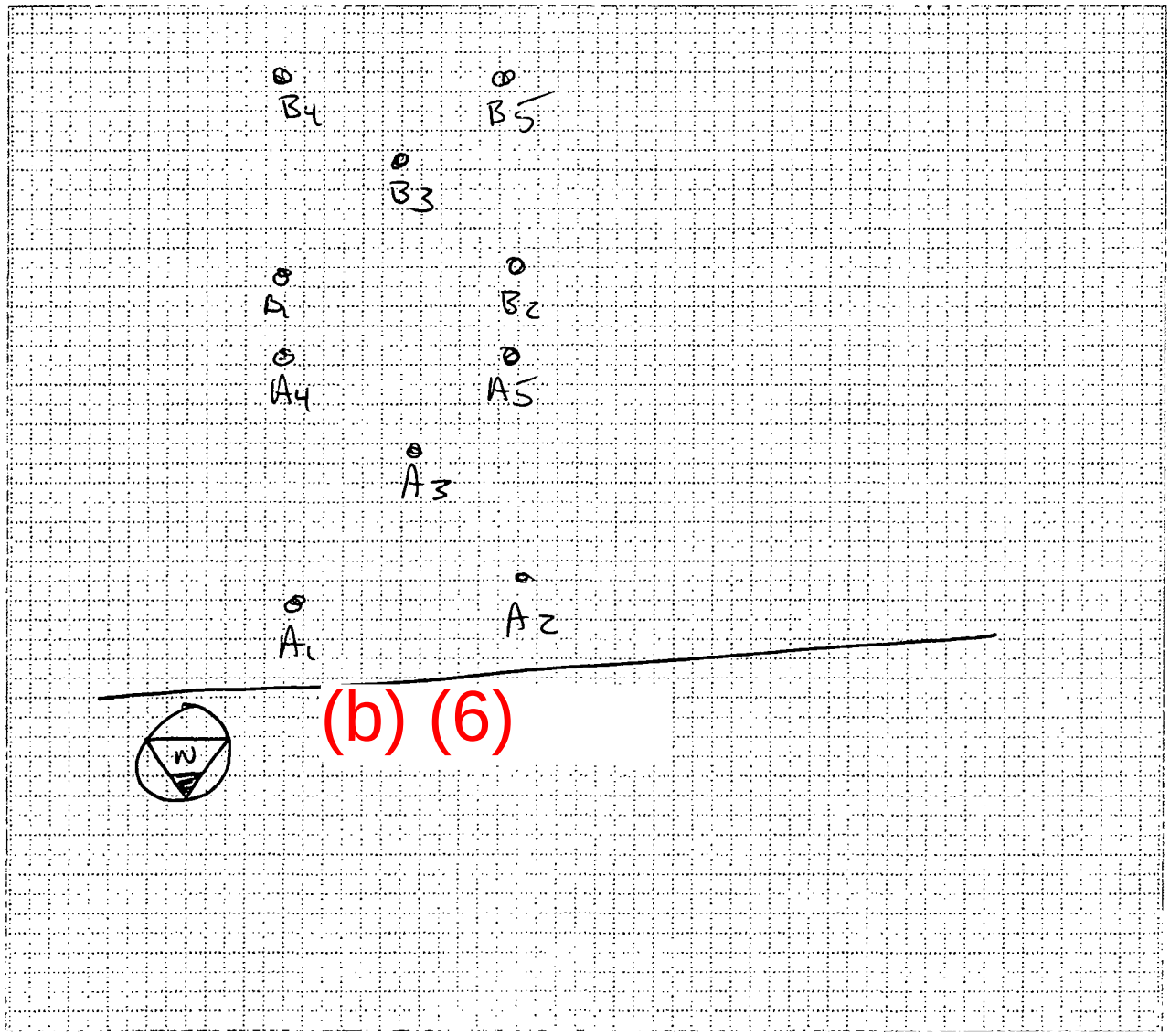
Other pertinent information (weather conditions, etc.):

80° sunny HOT

PROPERTY COMMENTS:

Empty Pool

Grid for property sketch



STATION ID: CV1371 SAMPLE ID: CV1371A-CS

SAMPLE COLLECTION TIME: 1420

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 [ ] ~~Instrument~~ #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55172777 N *Longitude* 86.79626417 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55173596 N *Longitude* 86.79633766 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55168632 N *Longitude* 86.79629655 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.55164509 N *Longitude* 86.79626933 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.55165467 N *Longitude* 86.79634715 W

Media description: Same A1

STATION ID: CV1371 SAMPLE ID: CV1371B-CS

SAMPLE COLLECTION TIME: 1430

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 [ ] ~~Instrument~~ #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* ~~33.55171~~ 33.55161805 N *Longitude* 86.79626952 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55162231 N *Longitude* 86.79635042 W

Media description: Dark Brown silty clay + coal & slag

Aliquot #3: *Latitude:* 33.55156578 N *Longitude* 86.79631177 W

Media description: SAme B2

Aliquot #4: *Latitude:* 33.55149486 N *Longitude* 86.79628707 W

Media description: SAme B1

Aliquot #5: *Latitude:* 33.55150196 N *Longitude* 86.79636012 W

Media description: SAme B1

ADDRESS: (b) (6) PROPERTY ID: CV1264

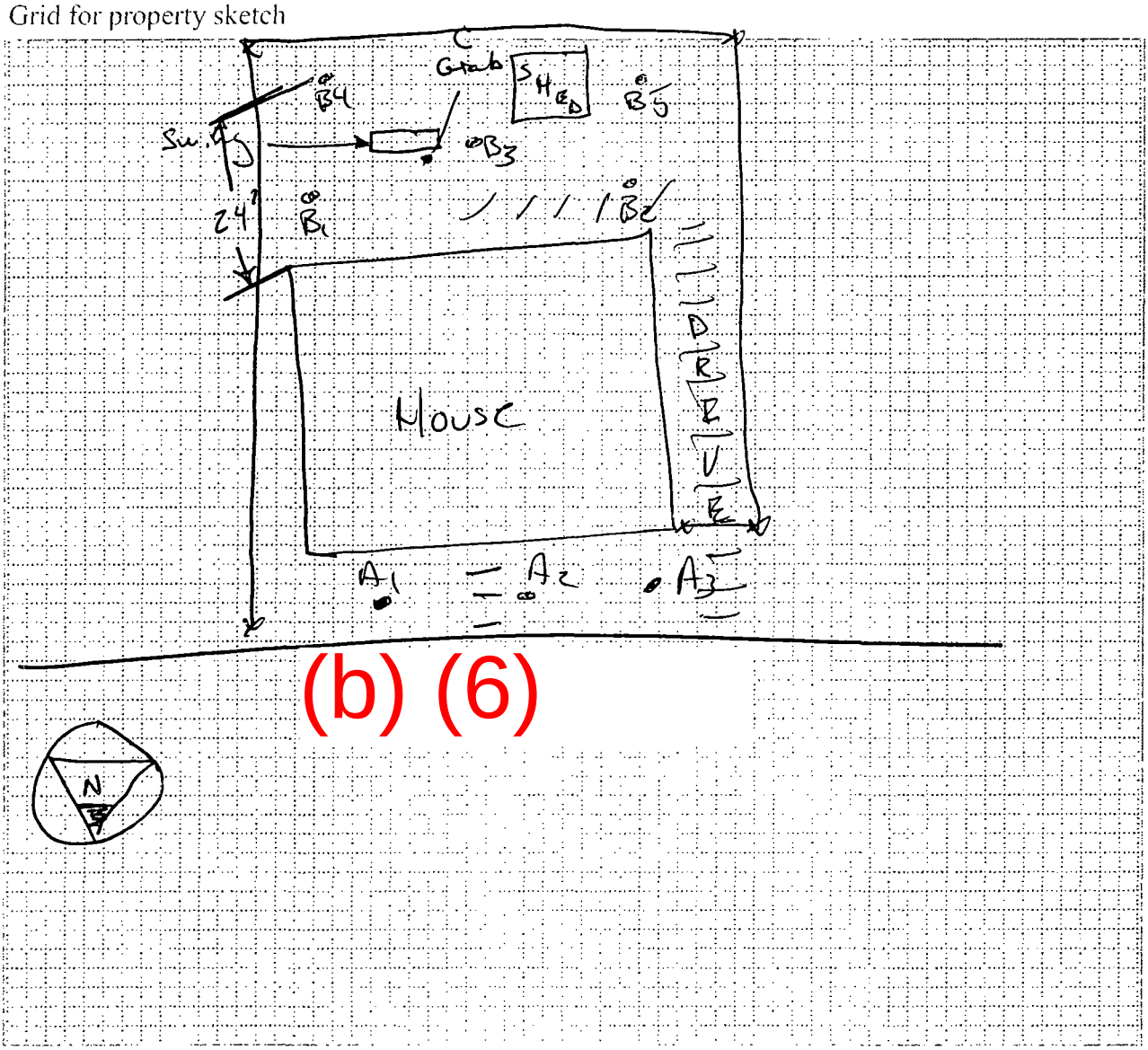
DATE: 4/17/13 ARRIVAL TIME: 1410

Other pertinent information (weather conditions, etc.):

87° sunny Hot

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1264 **SAMPLE ID:** CV1264A-CS

SAMPLE COLLECTION TIME: 1450

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

Front Yard.

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.551 76961 N *Longitude* 86.79642667 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.551 78529 N *Longitude* 86.79646229 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.551 74876 N *Longitude* 86.796532 32 W

Media description: Same A1

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

Media description: (N/A)

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

Media description: 4/17/13

STATION ID: CV1264 **SAMPLE ID:** CV1264B-CS

SAMPLE COLLECTION TIME: 1500

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

Back Yard.

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55156831 N *Longitude* 86.79643578 W

Media description: Dark Brown Silty Clay

Aliquot #2 *Latitude:* 33.55157476 N *Longitude* 86.79654827 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.5513944 N *Longitude* 86.79651375 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.55149060 N *Longitude* 86.79644968 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.55151101 N *Longitude* 86.79655562 W

Media description: Same B1 + Slag

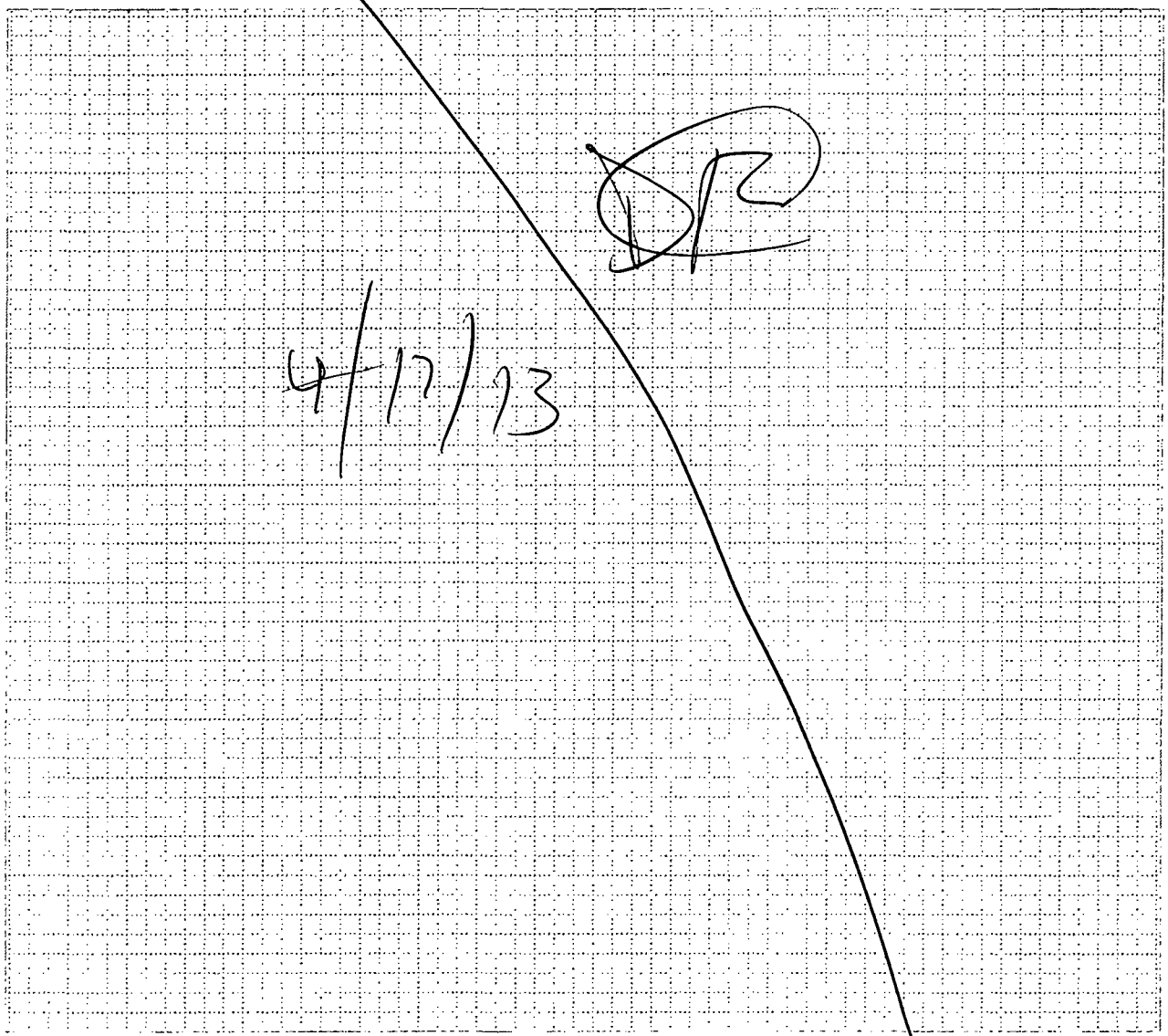
ADDRESS: Cont PROPERTY ID: CV1264

DATE: 4/17/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CU1264 **SAMPLE ID:** CU1264A-CS

SAMPLE COLLECTION TIME: 1510

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

Grab @ Play set

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55154487 N *Longitude* 86.79649548 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #3: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

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

Media description: 4/17/2013

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:* 4/17/2013 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: CV1176

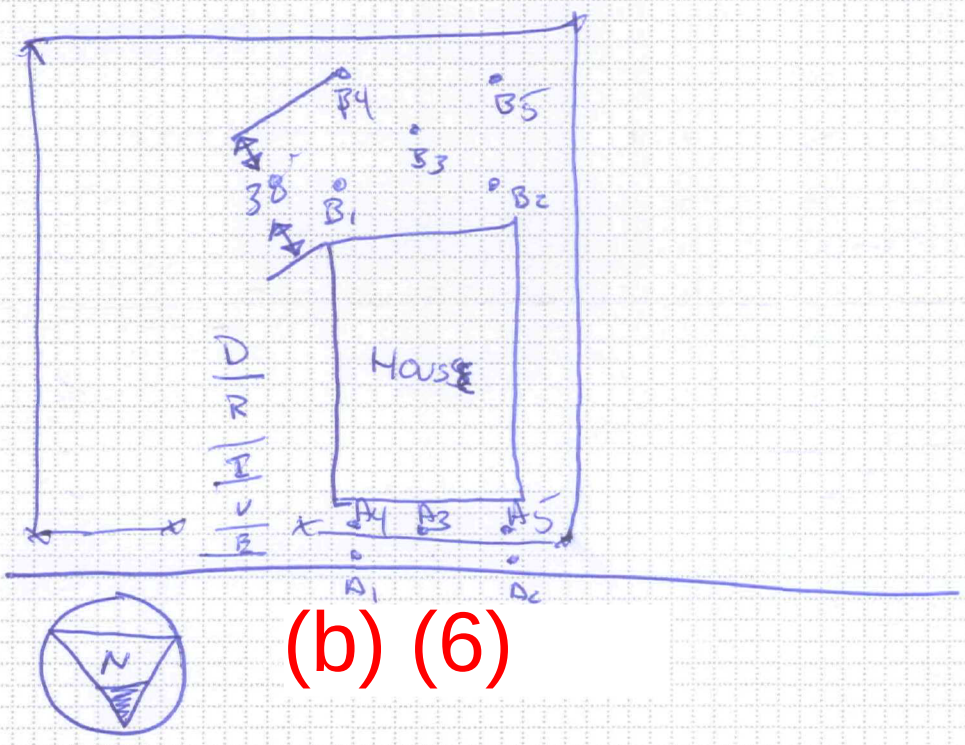
DATE: 4/18/13 ARRIVAL TIME: 0920

Other pertinent information (weather conditions, etc.):

75° sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV1176 **SAMPLE ID:** CV1176A-CS

SAMPLE COLLECTION TIME: 930

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:** CV1176A-CS-D

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55106270 N *Longitude* 86.79822236 W

Media description: Brown silty clay w/ coal

Aliquot #2 *Latitude:* 33.55106107 N *Longitude* 86.79829707 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55104031 N *Longitude* 86.79827217 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55102633 N *Longitude* 86.79823133 W

Media description: SAme A1 + Slag

Aliquot #5: *Latitude:* 33.55104054 N *Longitude* 86.79831182 W

Media description: SAme A1

STATION ID: CV1176 **SAMPLE ID:** CV1176B-CS

SAMPLE COLLECTION TIME: 0940

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

Back yard

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55084217 N *Longitude* 86.79822240 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* 33.55083485 N *Longitude* 86.79829433 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.55079305 N *Longitude* 86.79826205 W

Media description: SAme B1

Aliquot #4: *Latitude:* 33.55075703 N *Longitude* 86.79822760 W

Media description: SAme B1

Aliquot #5: *Latitude:* 33.55074597 N *Longitude* 86.79829700 W

Media description: SAme B1

ADDRESS: (b) (6) PROPERTY ID: CV0909

DATE: 4/18/13 ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

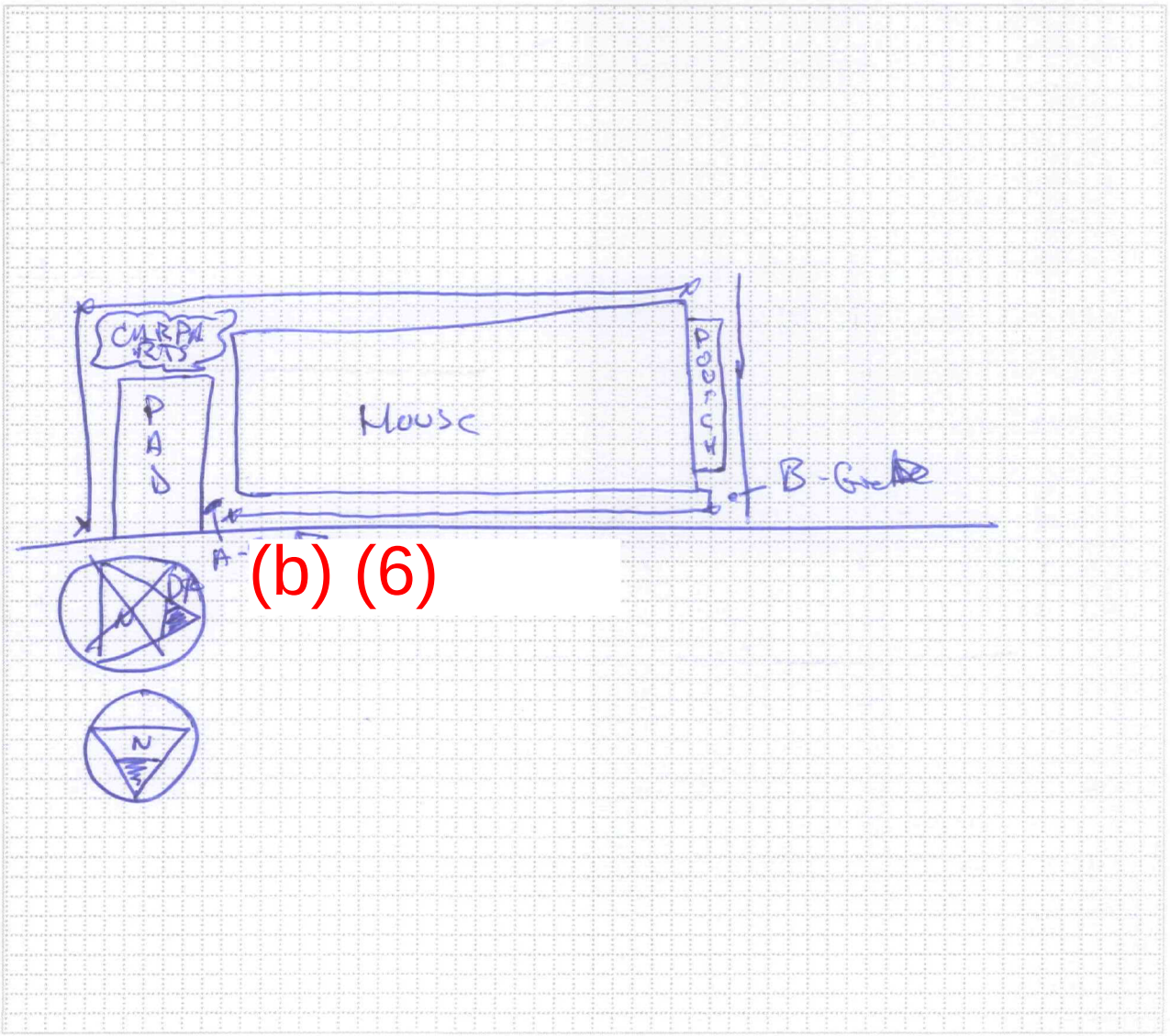
78° Sunny

PROPERTY COMMENTS:

Property is covered by House & concrete

Pulled two grabs because of Drip lines

Grid for property sketch



STATION ID: CV0909 **SAMPLE ID:** CV0909A-G

SAMPLE COLLECTION TIME: 1010

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

Grab @ Back 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:** _____

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.5540645 8 N *Longitude* 86.7988334 6 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #3: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #4: *Latitude:* 4/18/13 N *Longitude* _____ W

Media description: _____

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

Media description: _____

STATION ID: CV0909 **SAMPLE ID:** CV0909B-G

SAMPLE COLLECTION TIME: 1020

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

Front area of Parcel

Collection: Composite or (Grab) **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.5540804 2 N *Longitude* 86.7990413 2 W

Media description: Dark Brown Silty Clay

Aliquot #2 *Latitude:* _____ N *Longitude* _____ W

Media description: _____

Aliquot #3: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

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

Media description: 4/18/13

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

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: CV1321

DATE: 4/18/13 ARRIVAL TIME: 1210

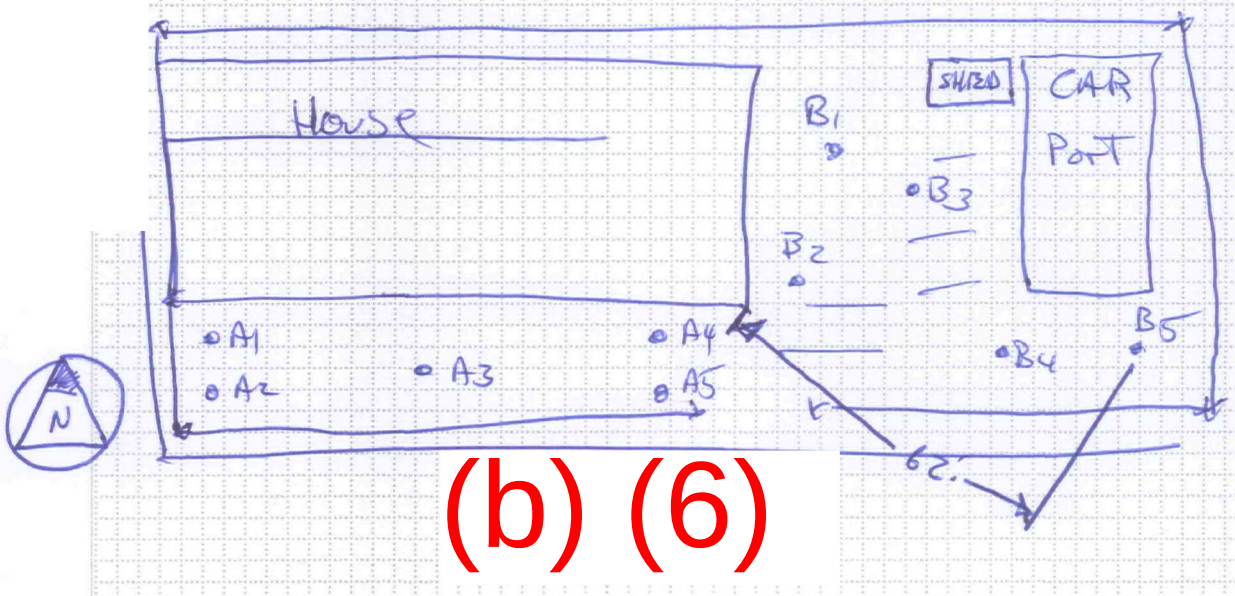
Other pertinent information (weather conditions, etc.):

85° sunny

PROPERTY COMMENTS:

Grid for property sketch

(b) (6)



(b) (6)

STATION ID: CV1321 **SAMPLE ID:** CV1321A-CS

SAMPLE COLLECTION TIME: 1220

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

SIDE yard

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55086745 N *Longitude* 86.80046012 W
Media description: Brown Silty Clay

Aliquot #2 *Latitude:* 33.55084640 N *Longitude* 86.80045990 W
Media description: Same A1

Aliquot #3: *Latitude:* 33.55085224 N *Longitude* 86.80038588 W
Media description: Same A1

Aliquot #4: *Latitude:* 33.55086049 N *Longitude* 86.80031628 W
Media description: Same A1

Aliquot #5: *Latitude:* 33.55083908 N *Longitude* 86.80031665 W
Media description: Same A1

CV1321B-CS

STATION ID: CV1321 **SAMPLE ID:** ~~CV1321B-CS~~

SAMPLE COLLECTION TIME: ~~1240~~ 1230

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

Backyard

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

Field Duplicate or Split: (Yes) or No ***If yes, indicate*** **Duplicate/split sample station ID:** CV1321B-CS-D

GPS Coordinates: Trimble [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55094590 N *Longitude* 86.80025933 W
Media description: Dark Brown Silty Clay + coal

Aliquot #2 *Latitude:* 33.55084922 N *Longitude* 86.80025633 W
Media description: Dark Brown Silty clay

Aliquot #3: *Latitude:* 33.55091864 N *Longitude* 86.80018869 W
Media description: Same B2

Aliquot #4: *Latitude:* 33.55084646 N *Longitude* 86.80014746 W
Media description: Dark Brown Silty Clay + Coal

Aliquot #5: *Latitude:* 33.55086482 N *Longitude* 86.80006502 W
Media description: Same B2

ADDRESS: (b) (6) PROPERTY ID: CU1087

DATE: 4/18/13 ARRIVAL TIME: 1250

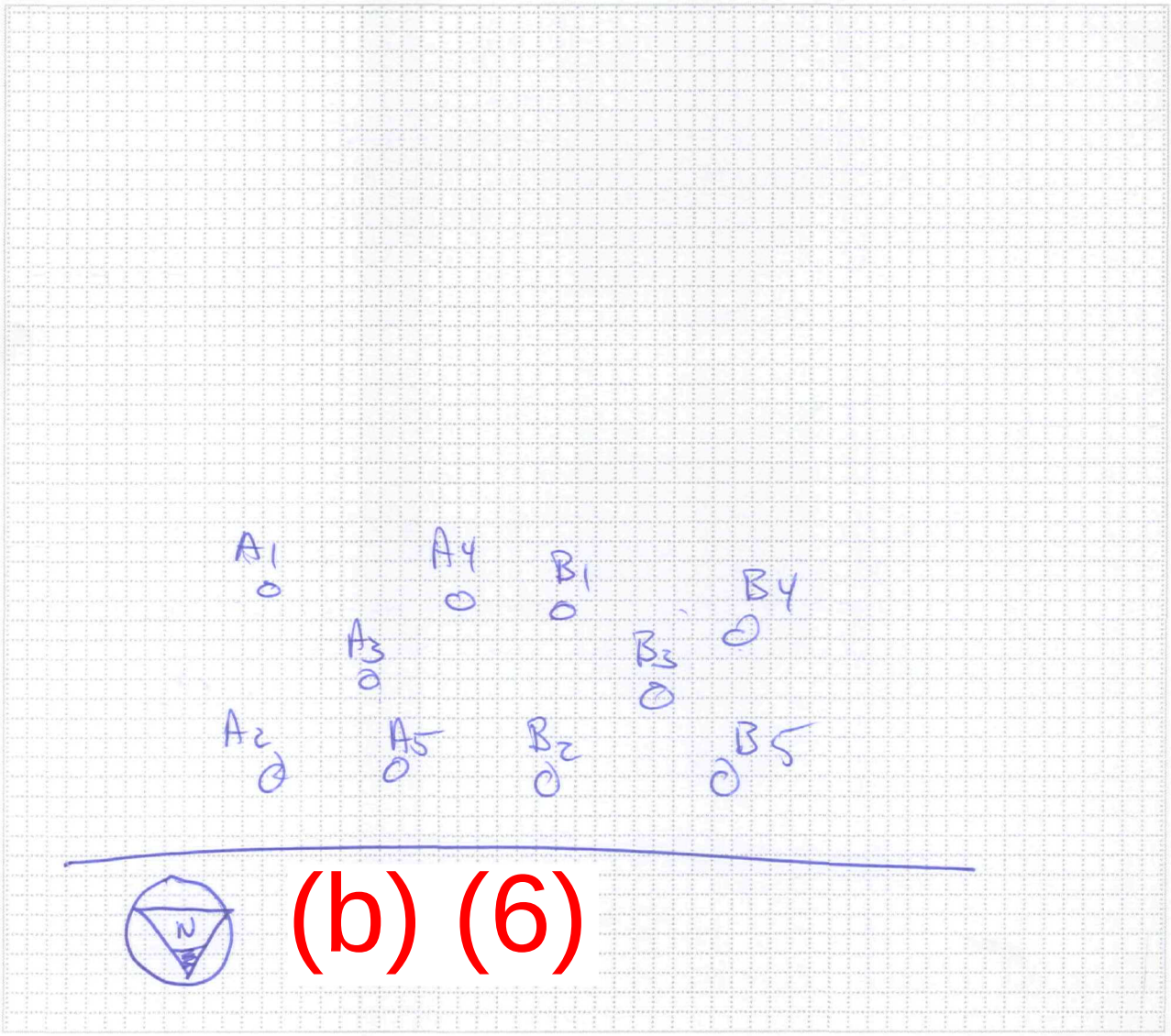
Other pertinent information (weather conditions, etc.):

85° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1087 SAMPLE ID: CV1087A-CS

SAMPLE COLLECTION TIME: 1310

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55002468 N *Longitude* 86.79957683 W

Media description: Brown Silty Clay w/ coal

Aliquot #2 *Latitude:* ~~Dark Brown~~ N *Longitude* 33.55010319 86.79958327 W

Media description: Dark Brown & Orange clay + Coal

Aliquot #3: *Latitude:* 33.55003925 N *Longitude* 86.79962086 W

Media description: SAme A1

Aliquot #4: *Latitude:* ~~Dark Brown~~ 33.55001259 N *Longitude* 86.79966970 W

Media description: Dark Brown + Orange Clay + Coal

Aliquot #5: *Latitude:* 33.55010484 N *Longitude* 86.79967089 W

Media description: SAme A1

STATION ID: CV1087 SAMPLE ID: CV1087B-CS

SAMPLE COLLECTION TIME: 1320

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55001310 N *Longitude* 86.79971946 W

Media description: Dark Brown Silty Clay + Coal

Aliquot #2 *Latitude:* 33.55010393 N *Longitude* 86.79972949 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.55006239 N *Longitude* 86.79976426 W

Media description: Dark Brown Tan & Orange clay + coal

Aliquot #4: *Latitude:* 33.55002425 N *Longitude* 86.79981318 W

Media description: SAme B3

Aliquot #5: *Latitude:* 33.55010711 N *Longitude* 86.79981970 W

Media description: SAme B3

ADDRESS: (b) (6) PROPERTY ID: CV0998

DATE: 4/18/13 ARRIVAL TIME: 1340

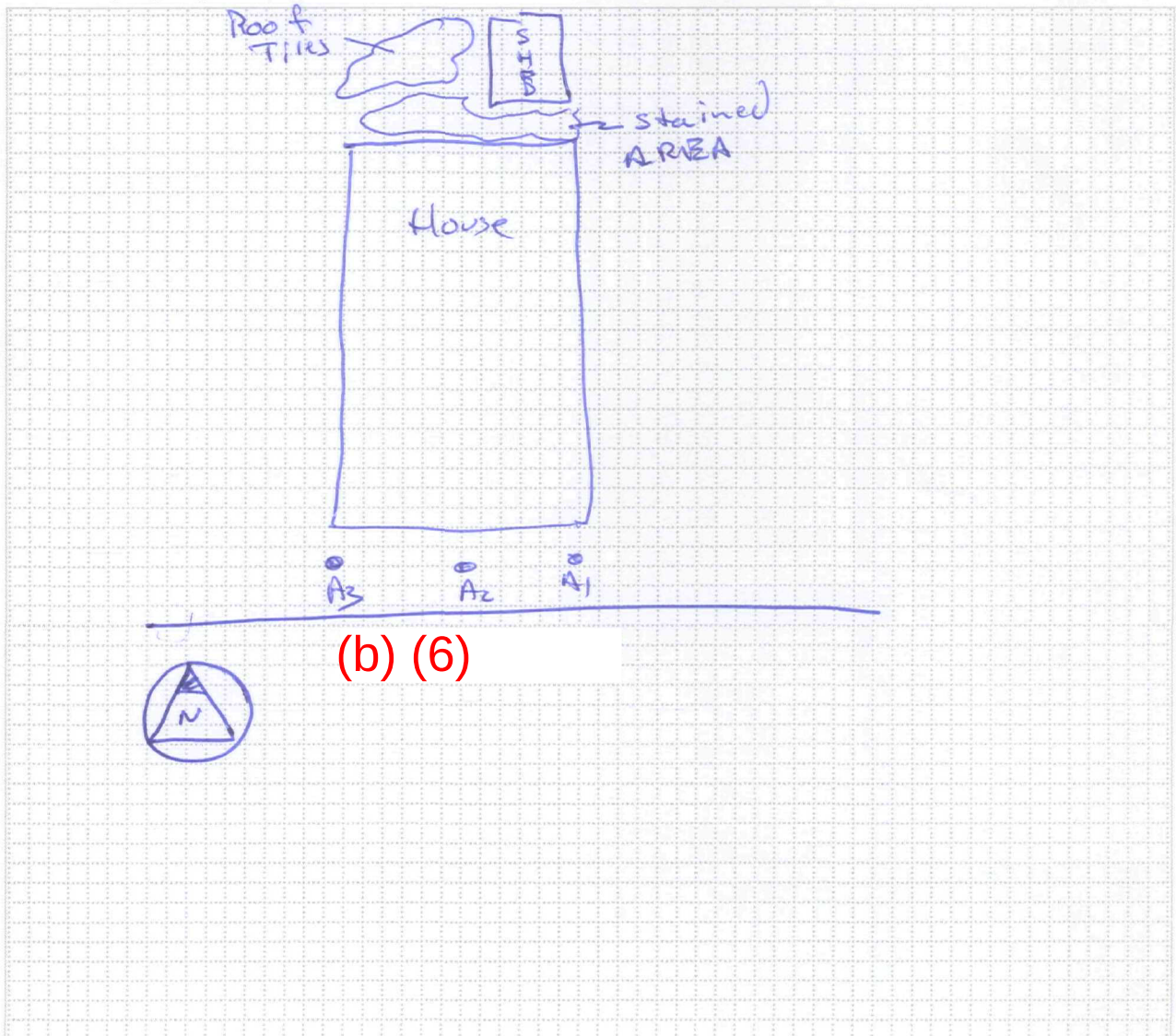
Other pertinent information (weather conditions, etc.):

84° sunny

PROPERTY COMMENTS:

Backyard Heavy staining

Grid for property sketch



STATION ID: CV0998 **SAMPLE ID:** CV0998A-CS

SAMPLE COLLECTION TIME: 1350

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

Front yard

Collection: (Composite) or Grab **MS/MSD?** Y or (N)

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

GPS Coordinates: Trimble [ ] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.54962857 N *Longitude* 86.79953162 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.54961227 N *Longitude* 86.79958070 W

Media description: Brown & Orange - silty clay

Aliquot #3: *Latitude:* 33.54961236 N *Longitude* 86.79962972 W

Media description: Stone A1

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

Media description: DP

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

Media description: 4/18/13

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: DP

Aliquot #2 *Latitude:* 4/18/13 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: CV1197

DATE: 4/18/13 ARRIVAL TIME: 1416

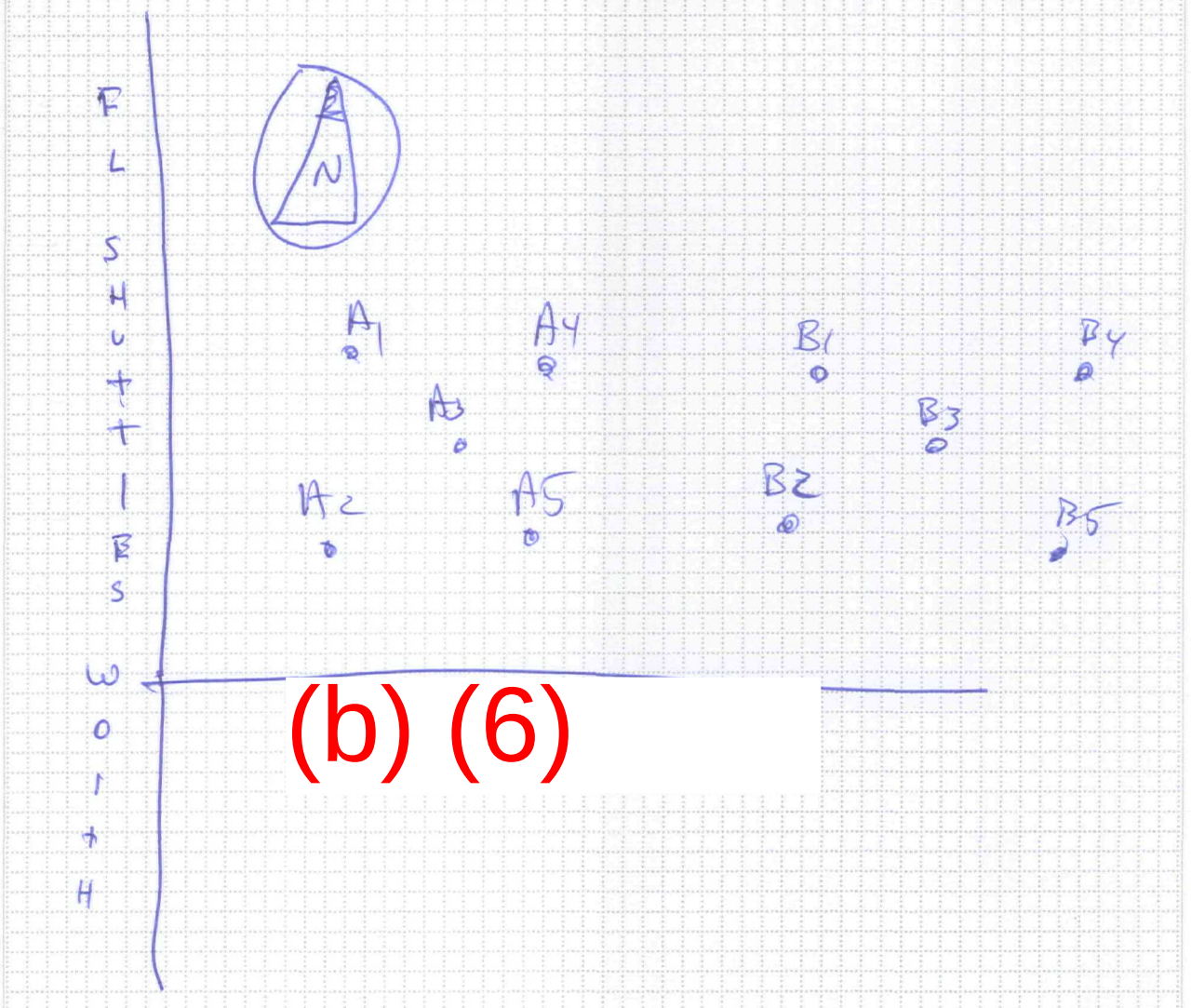
Other pertinent information (weather conditions, etc.):

83° sunny

PROPERTY COMMENTS:

Empty lot

Grid for property sketch



STATION ID: CV1197 **SAMPLE ID:** CV1197A-CS

SAMPLE COLLECTION TIME: 1420

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55229062 N *Longitude* 86.80522029 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* 33.55238028 N *Longitude* 86.80517109 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55230984 N *Longitude* 86.8051423 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.55237660 N *Longitude* 86.80507668 W

Media description: Brown silty clay + coal

Aliquot #5: *Latitude:* 33.55227155 N *Longitude* 86.80507493 W

Media description: Same A4 + coal

STATION ID: CV1197 **SAMPLE ID:** CV1197B-CS

SAMPLE COLLECTION TIME: 1430

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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55236556 N *Longitude* 86.80498151 W

Media description: Dark Brown silty clay with coal & slag

Aliquot #2 *Latitude:* 33.55223798 N *Longitude* 86.80499828 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.55228427 N *Longitude* 86.80492258 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.55235860 N *Longitude* 86.80487230 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.55221253 N *Longitude* 86.80484318 W

Media description: Brown silty clay with coal & slag

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

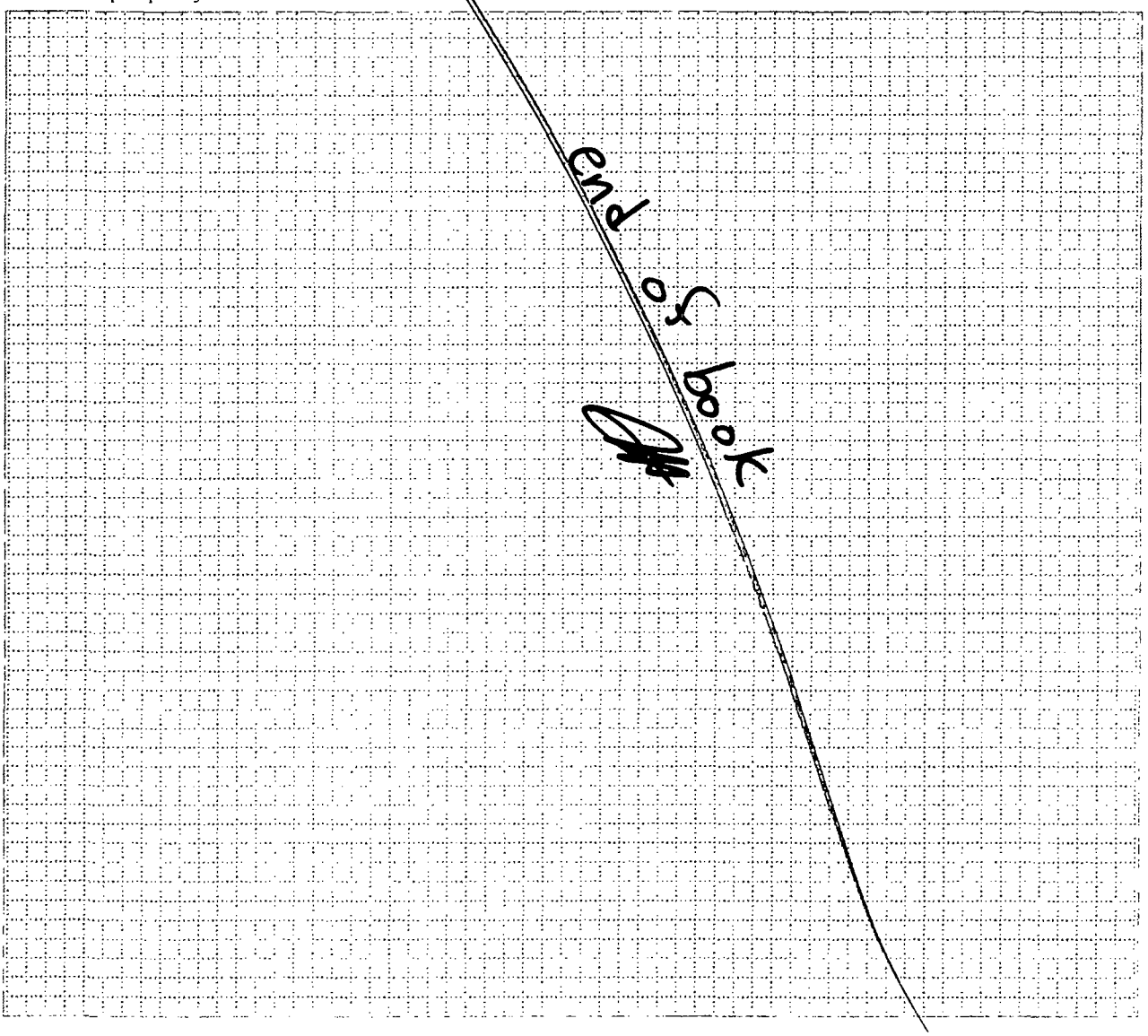
_____

_____

_____

_____

Grid for property sketch



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