REDACTED

LBXXXX69

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** 1

Inclusive Dates: 4/8/13 – 4/12/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	[illegible]	OTIE, Team Leader
	ERM	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.

This page intentionally left blank

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

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

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

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

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

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

ADDRESS: (b) (6) PROPERTY ID: CV0583

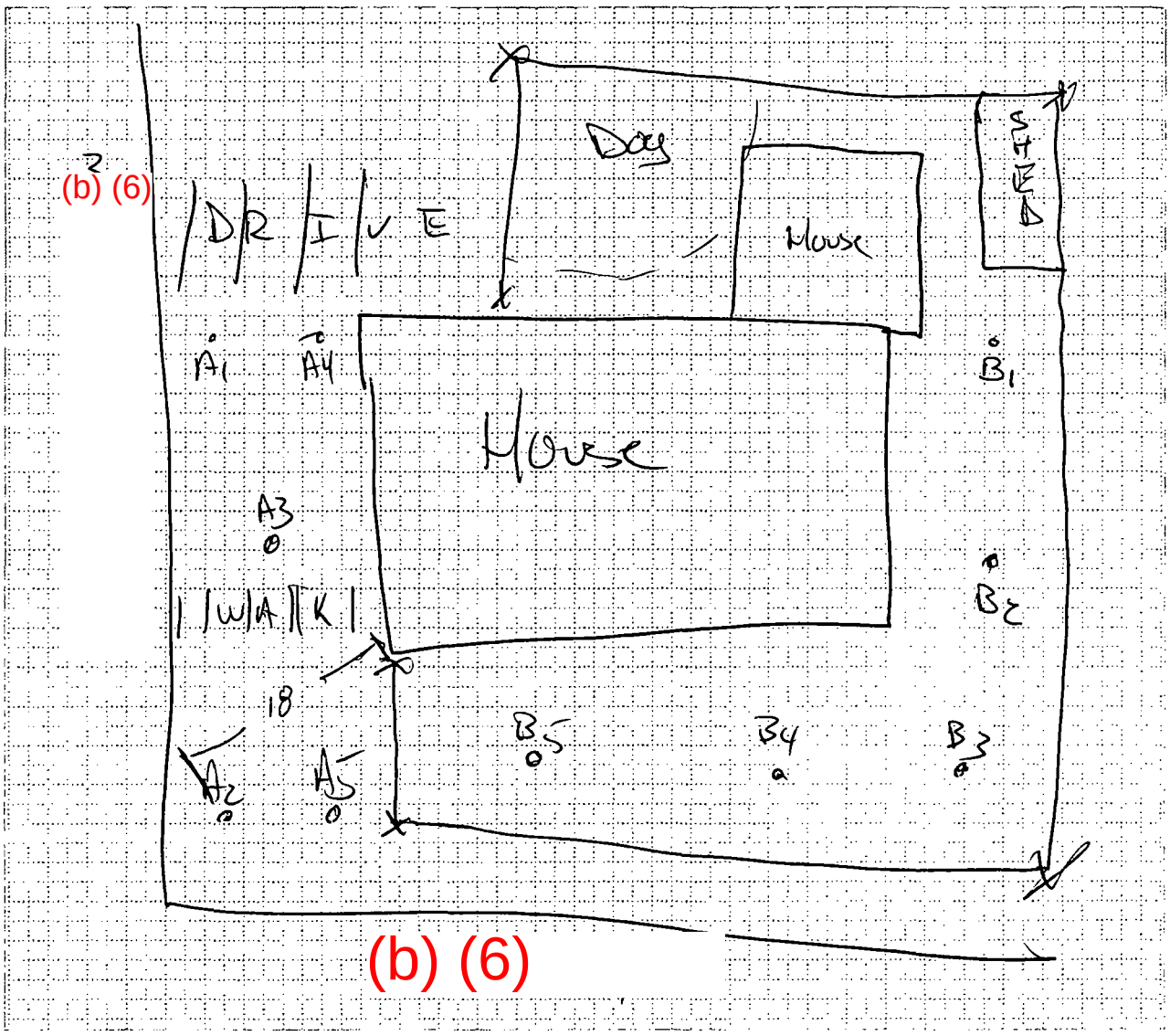
DATE: 4/8/13 ARRIVAL TIME: 1330

Other pertinent information (weather conditions, etc.):

70° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0583 **SAMPLE ID:** CV0583A-CS

SAMPLE COLLECTION TIME: 1340

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:** CV0583A-D

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

Aliquot #1: *Latitude:* 33.56017742 N *Longitude* 86.80374618 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.56016852 N *Longitude* 86.80384843 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.56012677 N *Longitude* 86.80379368 W

Media description: Light Brown silt clay

Aliquot #4: *Latitude:* 33.56010166 N *Longitude* 86.80374263 W

Media description: SAme A3

Aliquot #5: *Latitude:* 33.56010151 N *Longitude* 86.80387289 W

Media description: SAme A1

STATION ID: CV0583 **SAMPLE ID:** CV0583B-CS

SAMPLE COLLECTION TIME: 1350

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:* 33.55995208 N *Longitude* 86.80374163 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55994392 N *Longitude* 86.80378219 W

Media description: SAme B1

Aliquot #3: *Latitude:* 33.55955167 N *Longitude* 86.80385778 W

Media description: SAme B1

Aliquot #4: *Latitude:* 33.55999339 N *Longitude* 86.80385928 W

Media description: SAme B1

Aliquot #5: *Latitude:* 33.56003237 N *Longitude* 86.80386075 W

Media description: SAme B1

ADDRESS: (b) (6) PROPERTY ID: CV0222

DATE: 4/8/13 ARRIVAL TIME: 1420

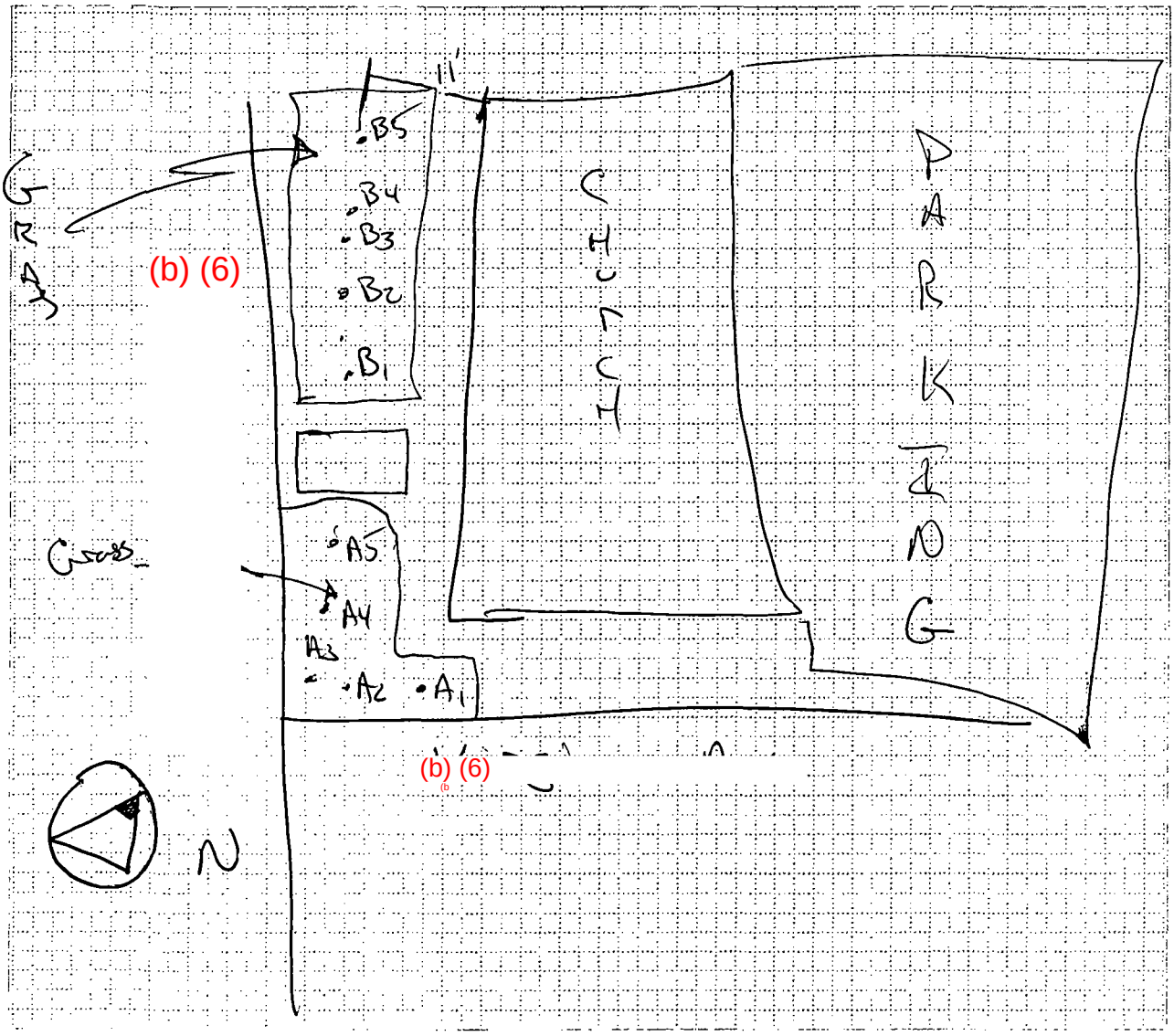
Other pertinent information (weather conditions, etc.):

70° overcast

PROPERTY COMMENTS:

Church most area is made up of Drive & Parking

Grid for property sketch



STATION ID: CV0722 **SAMPLE ID:** CV0722A-CS

SAMPLE COLLECTION TIME: 1425

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

SIDE Yard Area

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

Field Duplicate or Split: *Yes or* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* CV0722a 33.55785569 N *Longitude* 86.80111822 W

Media description: Brown silty Clay

Aliquot #2 *Latitude:* 33.55783638 N *Longitude* 86.80113816 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55780373 N *Longitude* 86.80118177 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55782537 N *Longitude* 86.80121635 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.55784191 N *Longitude* 86.80124209 W

Media description: SAme A1

STATION ID: CV0722 **SAMPLE ID:** CV0722B-CS

SAMPLE COLLECTION TIME: 1435

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

SIDE Yard Area

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

Field Duplicate or Split: *Yes or* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* 33.55788815 N *Longitude* 86.80130498 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55791561 N *Longitude* 86.80133713 W

Media description: SAme B2

Aliquot #3: *Latitude:* 33.55794127 N *Longitude* 86.80136692 W

Media description: Dark Brown Silty

Aliquot #4: *Latitude:* 33.55798565 N *Longitude* 86.80141386 W

Media description: Brown silty Clay w/ coal Frag

Aliquot #5: *Latitude:* 33.55803124 N *Longitude* 86.80148081 W

Media description: Dark Brown silty Clay

ADDRESS: (b) (6) PROPERTY ID: FM0252

DATE: 4/9/13 ARRIVAL TIME: 0815

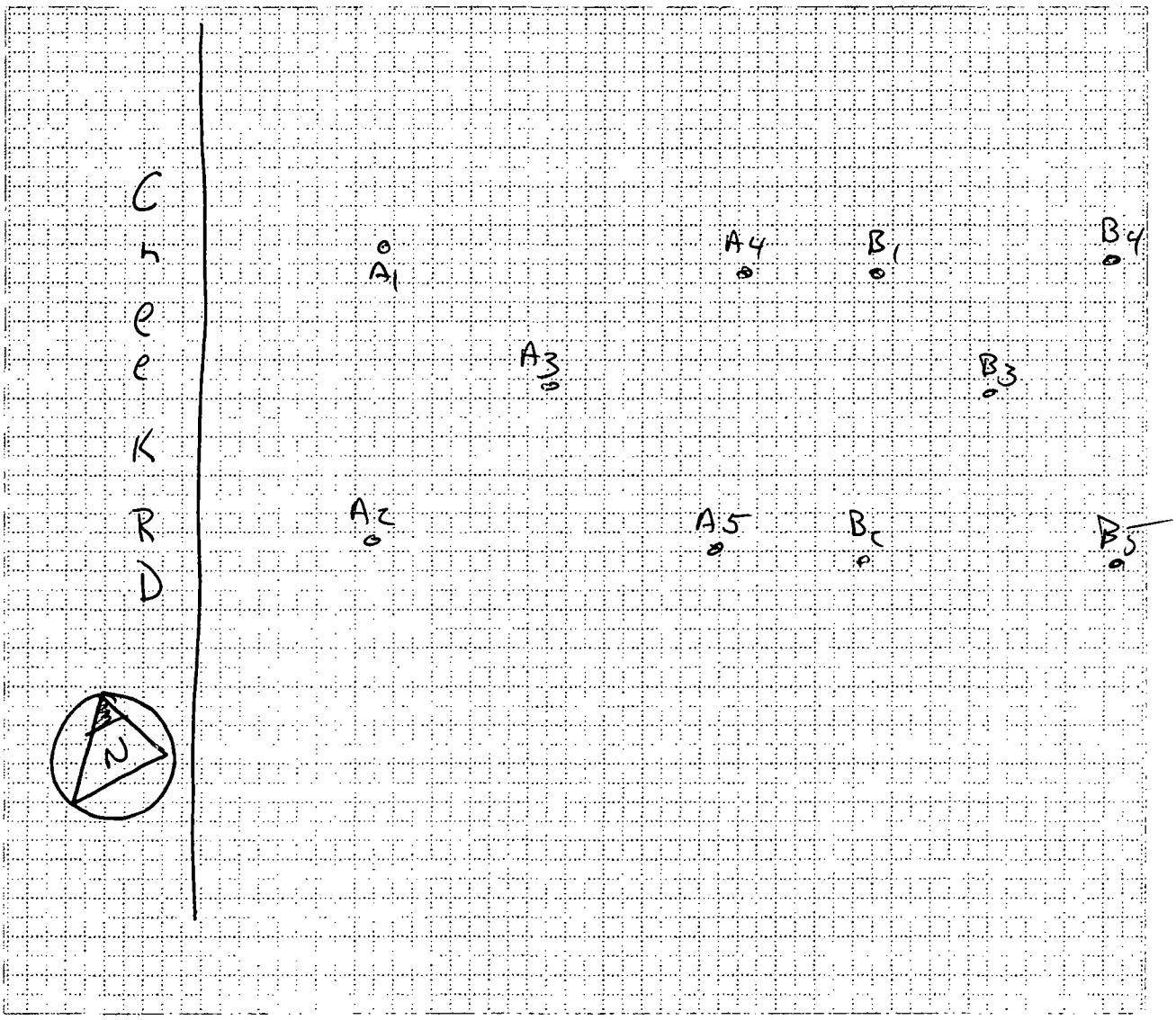
Other pertinent information (weather conditions, etc.):

73° sunny

PROPERTY COMMENTS:

empty side Parcel

Grid for property sketch



STATION ID: Fm0252 **SAMPLE ID:** Fm0252A-CS

SAMPLE COLLECTION TIME: 0840

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

empty side 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:* 33.57017026 N *Longitude* 86.80735698 W

Media description: Brown silty clay w/ coal fragment

Aliquot #2 *Latitude:* 33.57008572 N *Longitude* 86.80740376 W

Media description: Brown silty clay w/coal fragment

Aliquot #3: *Latitude:* 33.57011271 N *Longitude* 86.80734733 W

Media description: Dark Brown clay soil

Aliquot #4: *Latitude:* 33.57014423 N *Longitude* 86.80725317 W

Media description: Black silt soil

Aliquot #5: *Latitude:* 33.57008507 N *Longitude* 86.80727889 W

Media description: Black silt soil

STATION ID: Fm0252 **SAMPLE ID:** Fm0252B-CS

SAMPLE COLLECTION TIME: 0850

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

empty side Parcel

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

Field Duplicate or Split: *Yes or* N *If yes, indicate* **Duplicate/split sample station ID:** Fm0252B-CS-D

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

Aliquot #1: *Latitude:* 33.57013638 N *Longitude* 86.80721273 W

Media description: Brown silty clay w/ coal

Aliquot #2 *Latitude:* 33.57008360 N *Longitude* 86.80722154 W

Media description: Dark Brown silty clay w/coal

Aliquot #3: *Latitude:* 33.57011122 N *Longitude* 86.80715594 W

Media description: same Bz

Aliquot #4: *Latitude:* 33.57012649 N *Longitude* 86.80705340 W

Media description: same Bz

Aliquot #5: *Latitude:* 33.57007351 N *Longitude* 86.80706371 W

Media description: same Bz + garbage

ADDRESS: (b) (6) PROPERTY ID: Fm0249

DATE: 4/9/13 ARRIVAL TIME: 0815

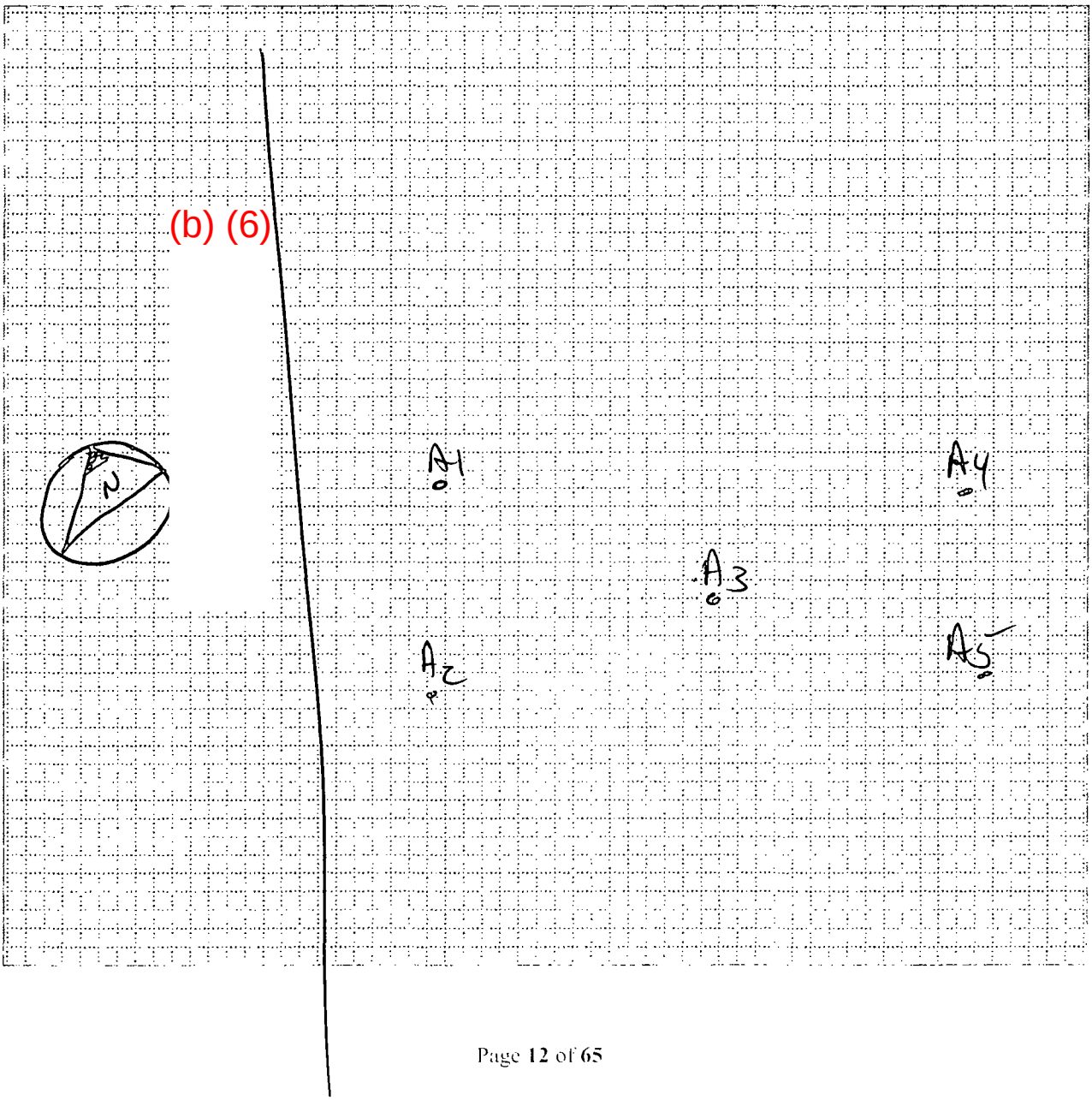
Other pertinent information (weather conditions, etc.):

73° sunny

PROPERTY COMMENTS:

empty Parcel

Grid for property sketch



STATION ID: Fm0249 SAMPLE ID: Fm0249

SAMPLE COLLECTION TIME: 0910

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:* 33.56992900 N *Longitude* 86.80753665 W

Media description: Light Brown silty Clay

Aliquot #2 *Latitude:* 33.56989434 N *Longitude* 86.80753912 W

Media description: Stone Ag

Aliquot #3: *Latitude:* 33.56989730 N *Longitude* 86.80744211 W

Media description: Brown silty soil

Aliquot #4: *Latitude:* 33.56991570 N *Longitude* 86.80729420 W

Media description: Dark Brown silty Clay

Aliquot #5: *Latitude:* 33.5698780 N *Longitude* 86.80731528 W

Media description: Dark Brown silty Clay

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:

4/9/13

ADDRESS: (b) (6) PROPERTY ID: Rm0147

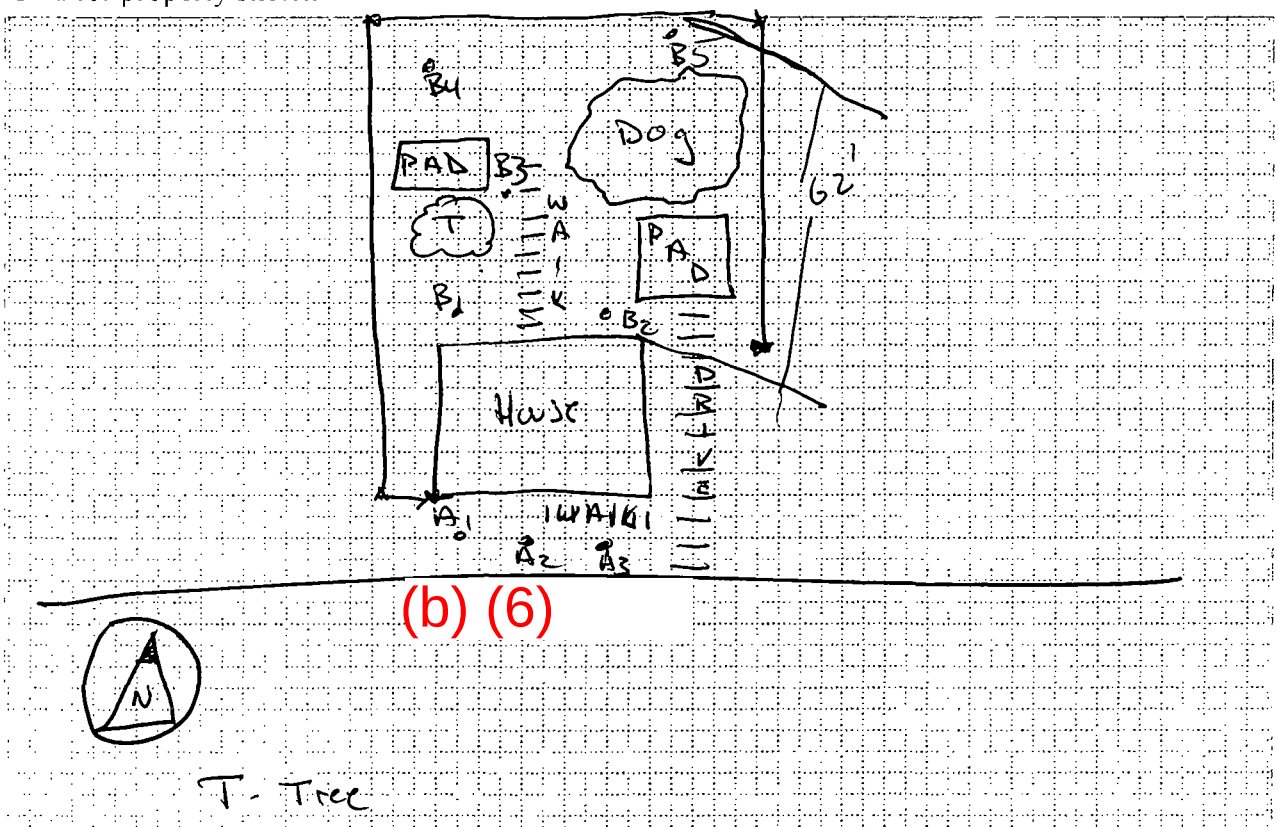
DATE: 4/9/13 ARRIVAL TIME: 0920

Other pertinent information (weather conditions, etc.):

73° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm 0147 SAMPLE ID: Fm0147A-CS

SAMPLE COLLECTION TIME: 0930

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

Front

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: 33.56817417 N Longitude 86.80951007 W

Media description: Brown silty clay

Aliquot #2 Latitude: 33.56817397 N Longitude 86.80948374 W

Media description: Same A1

Aliquot #3: Latitude: 33.56817456 N Longitude 86.80944419 W

Media description: Same A1

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

Media description:

Aliquot #5: Latitude: N Longitude W

Media description: 4/9/13

STATION ID: Fm0147 SAMPLE ID: Fm0147B-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: -33.56836758 N Longitude 86.80950178 W

Media description: Dark Brown silty sand

Aliquot #2 Latitude: 33.56836390 N Longitude 86.80943461 W

Media description: Dark Brown sand silty clay - wet

Aliquot #3: Latitude: 33.56845875 N Longitude 86.80949617 W

Media description: Same B2

Aliquot #4: Latitude: 33.56857149 N Longitude 86.80952567 W

Media description: Dark Brown sandy clay

Aliquot #5: Latitude: 33.56859714 N Longitude 86.80946930 W

Media description: Dark Brown sandy clay w/ coal

ADDRESS: (b) (6) PROPERTY ID: Fm0062

DATE: 4/9/13 ARRIVAL TIME: 1010

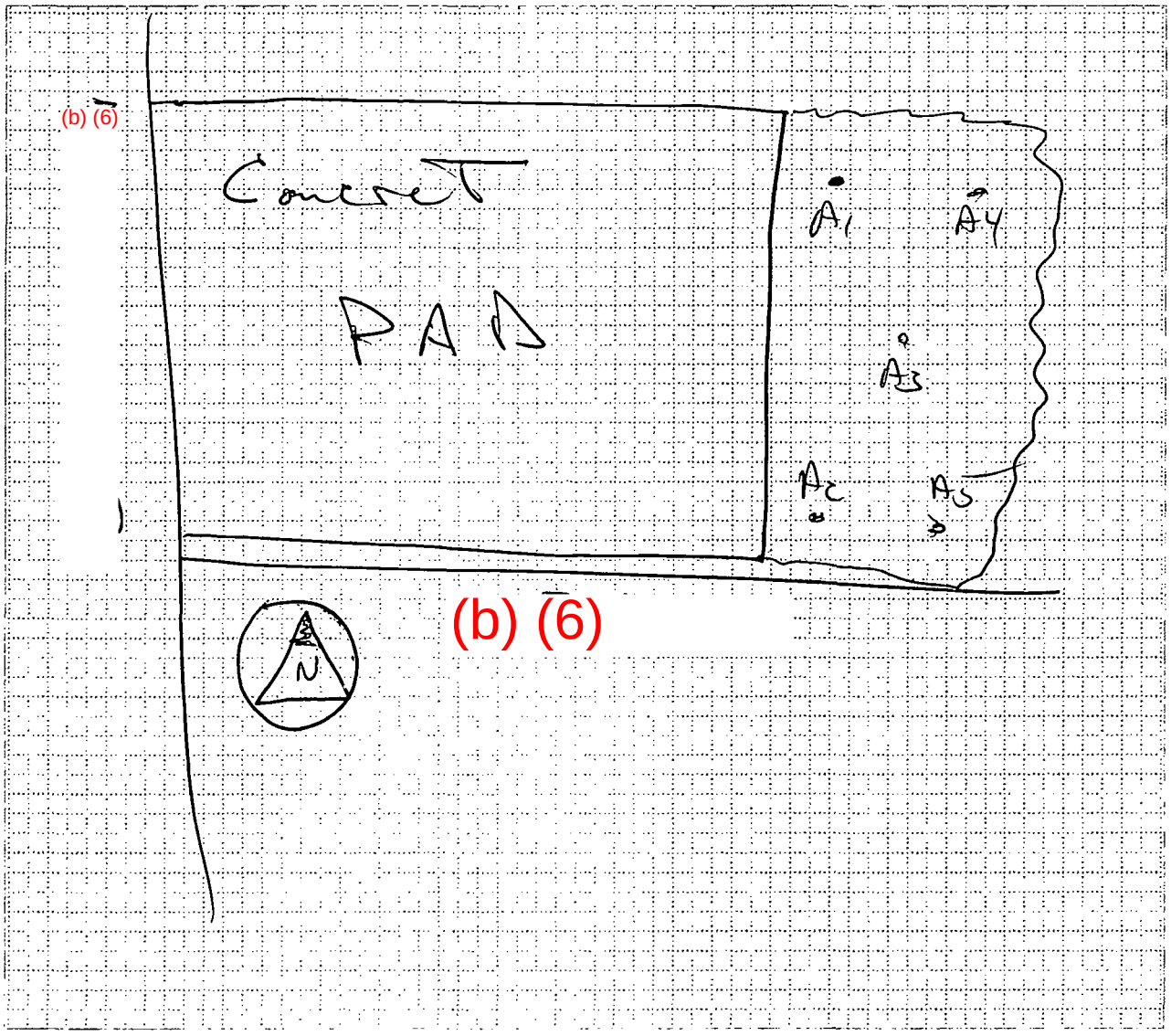
Other pertinent information (weather conditions, etc.):

73° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: Fm0062 **SAMPLE ID:** Fm0062

SAMPLE COLLECTION TIME: 1020

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

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

Aliquot #1: *Latitude:* 33.56466289 N *Longitude* 86.81121195 W

Media description: Brown silty Sand + Trash

Aliquot #2 *Latitude:* 33.56456624 N *Longitude* 86.81121782 W

Media description: Light Brown silt soil + Trash & gravel

Aliquot #3: *Latitude:* 33.56461938 N *Longitude* 86.81181199 W

Media description: Brown silty Sand + Trash

Aliquot #4: *Latitude:* 33.56467124 N *Longitude* 86.81114859 W

Media description: Brown silty clay + Trash

Aliquot #5: *Latitude:* 33.56456075 N *Longitude* 86.81115723 W

Media description: Light Brown silty clay + Trash

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:

4/9/13

ADDRESS: (b) (6) PROPERTY ID: Fm 0357

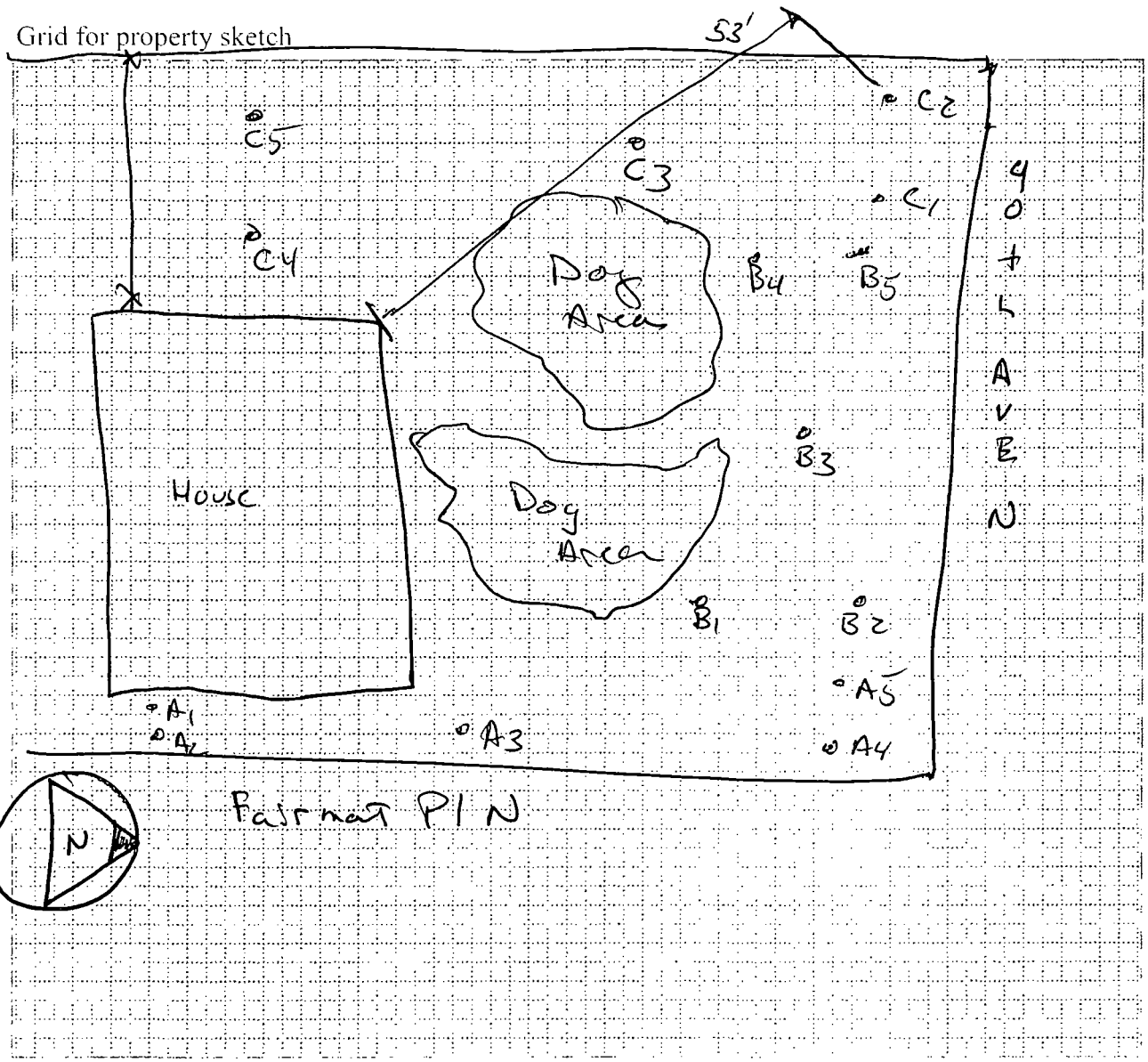
DATE: 4/9/13 ARRIVAL TIME: 1215

Other pertinent information (weather conditions, etc.):

84° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm0351 **SAMPLE ID:** Fm0351A-CS

SAMPLE COLLECTION TIME: 1235

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:* 33.56279145 N *Longitude* 86.8139496 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.56278924 N *Longitude* 86.81388794 W

Media description: A1 Same

Aliquot #3: *Latitude:* 33.56285124 N *Longitude* 86.81388297 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.56293543 N *Longitude* 86.81391676 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.56294102 N *Longitude* 86.81388765 W

Media description: Same A1

STATION ID: Fm0351 **SAMPLE ID:** Fm0351B-CS

SAMPLE COLLECTION TIME: 1245

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

SRDE 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:** ~~Fm0351B-CS-D~~

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

Aliquot #1: *Latitude:* 33.56290707 N *Longitude* 86.81398033 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.56296306 N *Longitude* 86.81398608 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.56293670 N *Longitude* 86.81408742 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.56294288 N *Longitude* 86.81415107 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.56297470 N *Longitude* 86.81415595 W

Media description: Same B1

ADDRESS: SAme PROPERTY ID: Em 0351

DATE: 4/9/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

4/9/13

STATION ID: Fm 0351 **SAMPLE ID:** Fm0351C-CS

SAMPLE COLLECTION TIME: 1255

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:**

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

Aliquot #1: *Latitude:* 33.56297328 N *Longitude* 86.81421431 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.56296875 N *Longitude* 86.81427513 W

Media description: Dark Brown silty clay

Aliquot #3: *Latitude:* 33.56290803 N *Longitude* 86.81425318 W

Media description: Dark Brown silty clay

Aliquot #4: *Latitude:* 33.56281129 N *Longitude* 86.81418969 W

Media description: Dark Brown silty clay

Aliquot #5: *Latitude:* 33.56280767 N *Longitude* 86.81424927 W

Media description: Dark Brown silty clay

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: 4/9/13

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: CV1160

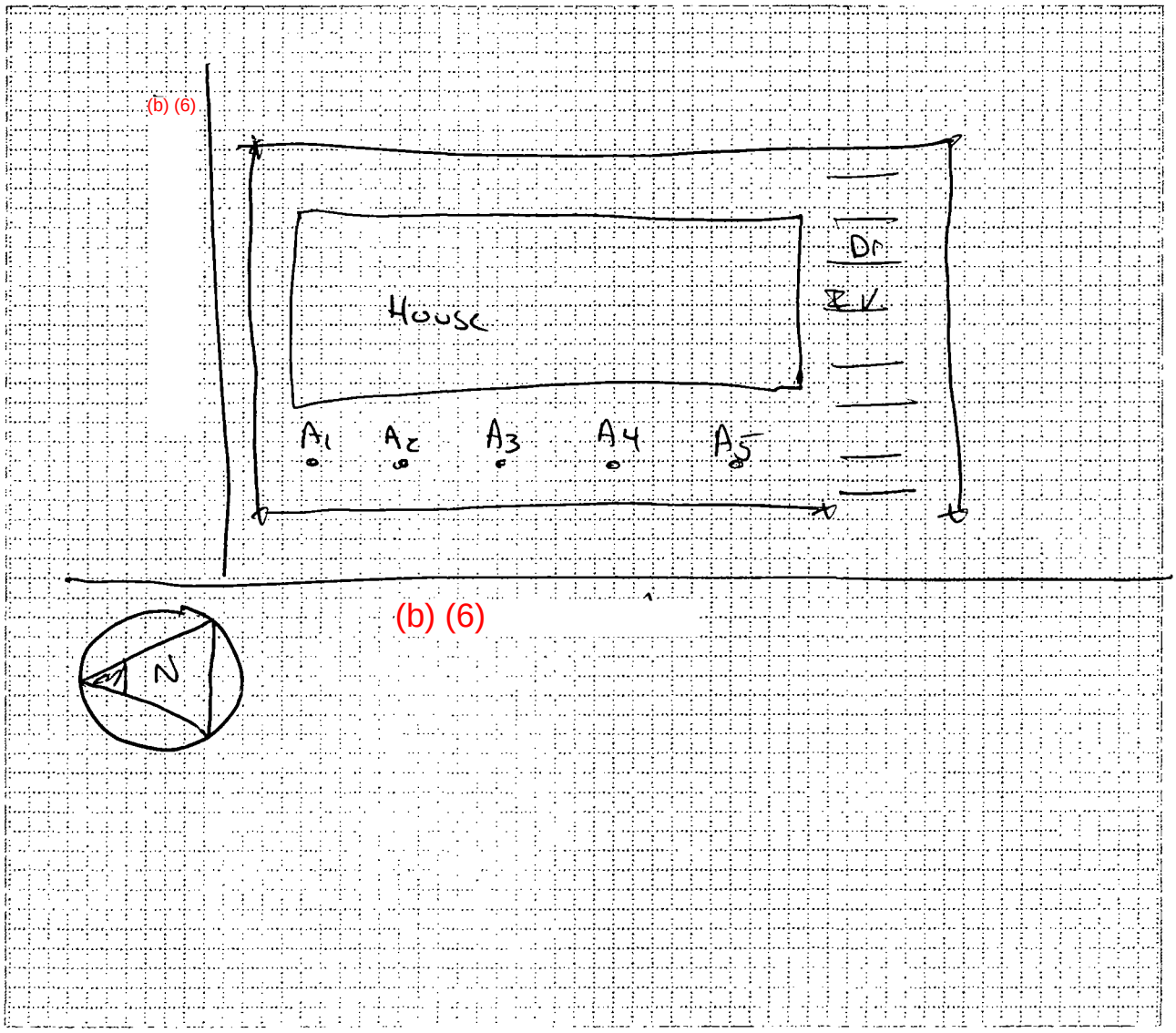
DATE: 4/9/13 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

84° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1160 **SAMPLE ID:** CV1160A-CS

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:** CV1160A-CS-D

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

Aliquot #1: *Latitude:* 33.55059751 N *Longitude* 86.80050997 W

Media description: Dark Brown Silty Clay

Aliquot #2 *Latitude:* 33.55064159 N *Longitude* 86.80050663 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55067000 N *Longitude* 86.80051392 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55071292 N *Longitude* 86.80050975 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.55074827 N *Longitude* 86.80050645 W

Media description: SAme A1

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: _____

4/9/13

ADDRESS: (b) (6) PROPERTY ID: CV1100

DATE: 4/9/13 ARRIVAL TIME: 1415

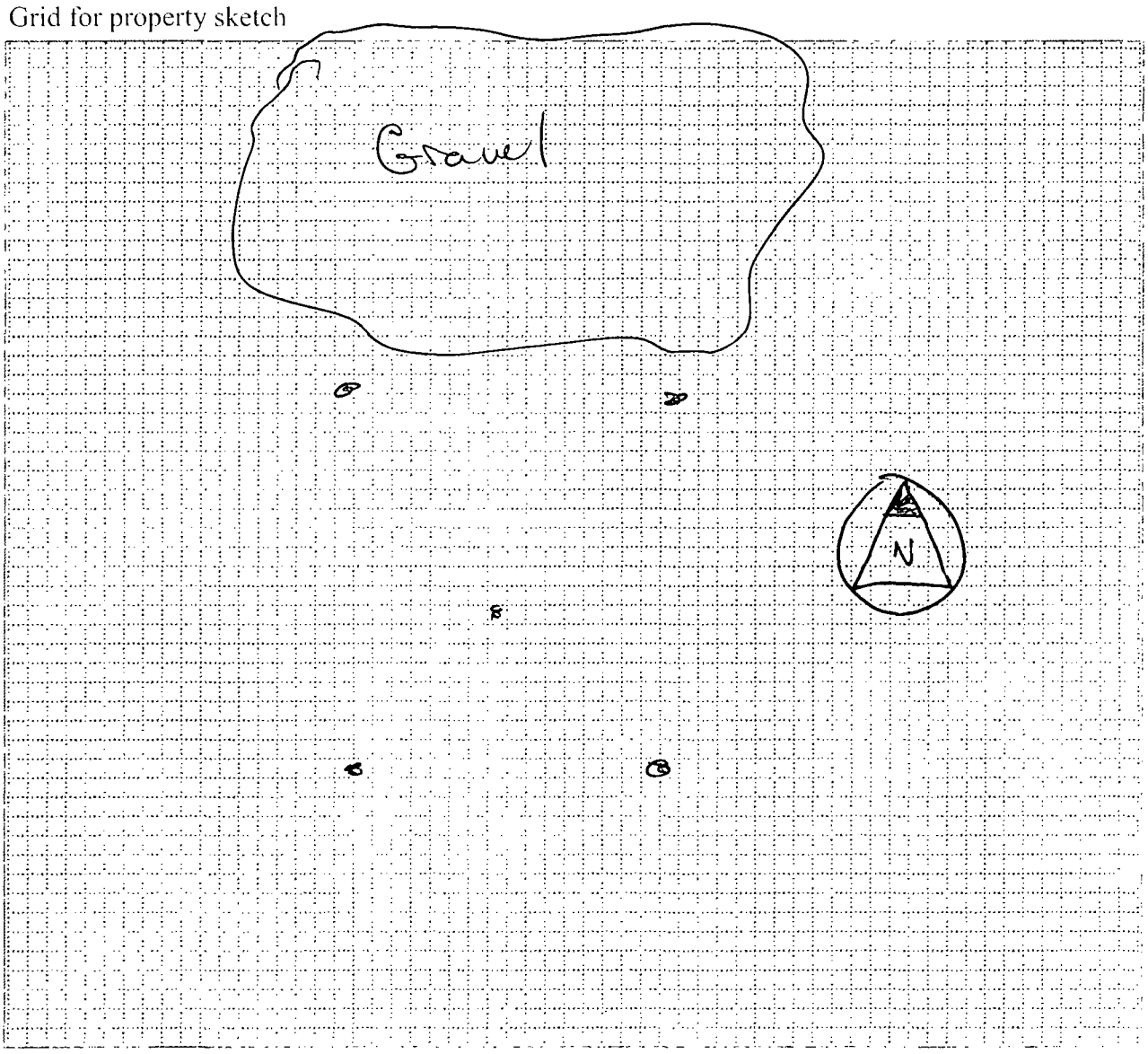
Other pertinent information (weather conditions, etc.):

84° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1100 **SAMPLE ID:** CV1100A-CS

SAMPLE COLLECTION TIME: 1420

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

empty

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:* 33.55001457 N *Longitude* 86.79846 61 W

Media description: Brown Sandy Silt

Aliquot #2 *Latitude:* 33.55002686 N *Longitude* 86.79852759 W

Media description: Red Clay w/ coal

Aliquot #3: *Latitude:* 33.54994315 N *Longitude* 86.79851215 W

Media description: Dark Brown Silty Clay

Aliquot #4: *Latitude:* 33.54987111 N *Longitude* 86.79849199 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.54988099 N *Longitude* 86.79854034 W

Media description: Same A1

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 DP **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:* 4/9/14 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: CV1099

DATE: 4/9/13 ARRIVAL TIME: 1415

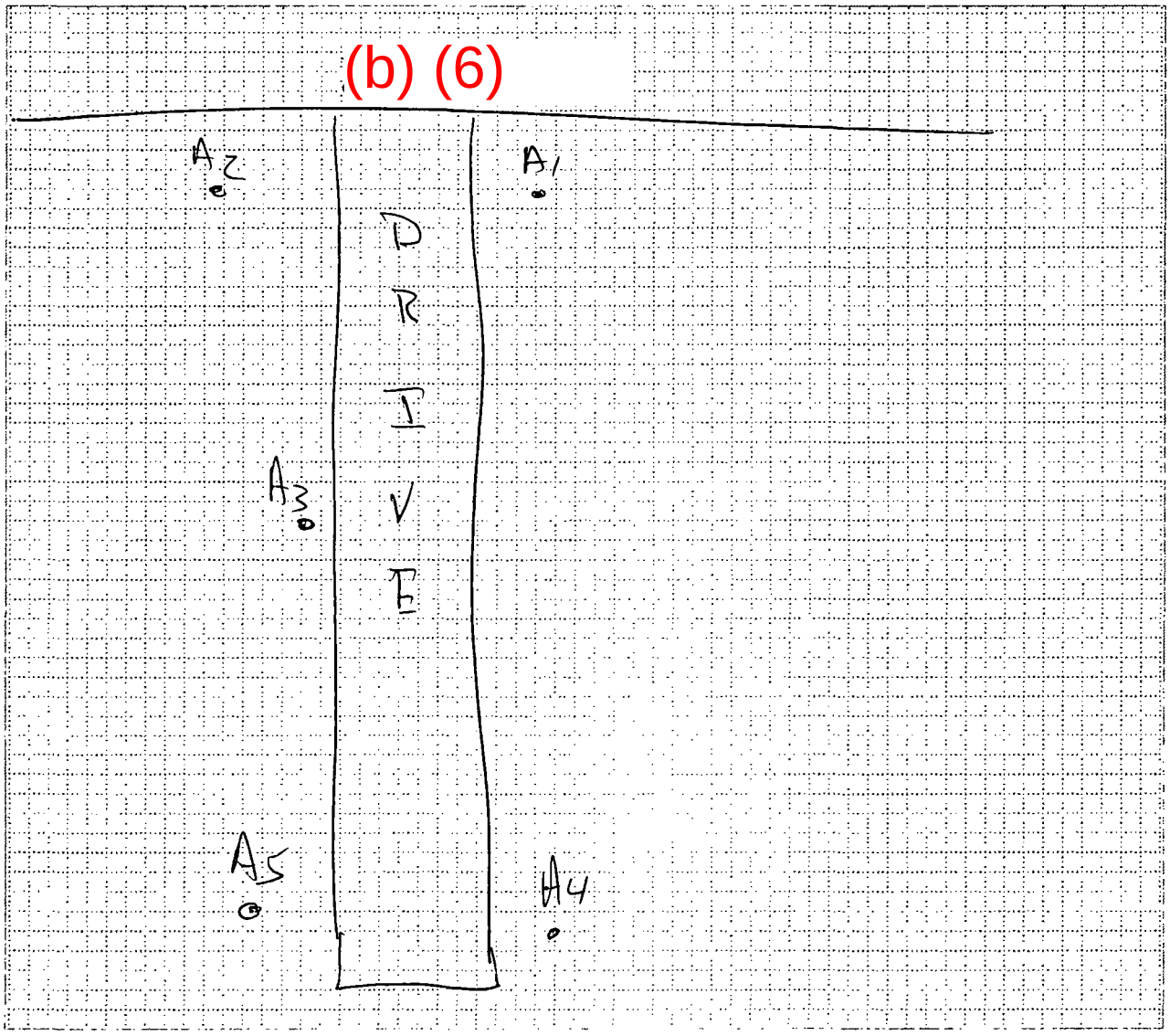
Other pertinent information (weather conditions, etc.):

84° sunny

PROPERTY COMMENTS:

empty Parcel

Grid for property sketch



STATION ID: CV1099 **SAMPLE ID:** CV1099A-CS

SAMPLE COLLECTION TIME: 1440

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:* 33.55009764 N *Longitude* 86.79859309 W

Media description: Dark Brown sandy Clay

Aliquot #2 *Latitude:* 33.55011339 N *Longitude* 86.79865346 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55003472 N *Longitude* 86.79863243 W

Media description: Light Brown sandy s.It

Aliquot #4: *Latitude:* 33.54990532 N *Longitude* 86.79860934 W

Media description: SAme A1

Aliquot #5: *Latitude:* 33.54991378 N *Longitude* 86.79867480 W

Media description: SAme A1

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: 4/9/13

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: CV1090

DATE: 4/10/13 ARRIVAL TIME: 0820

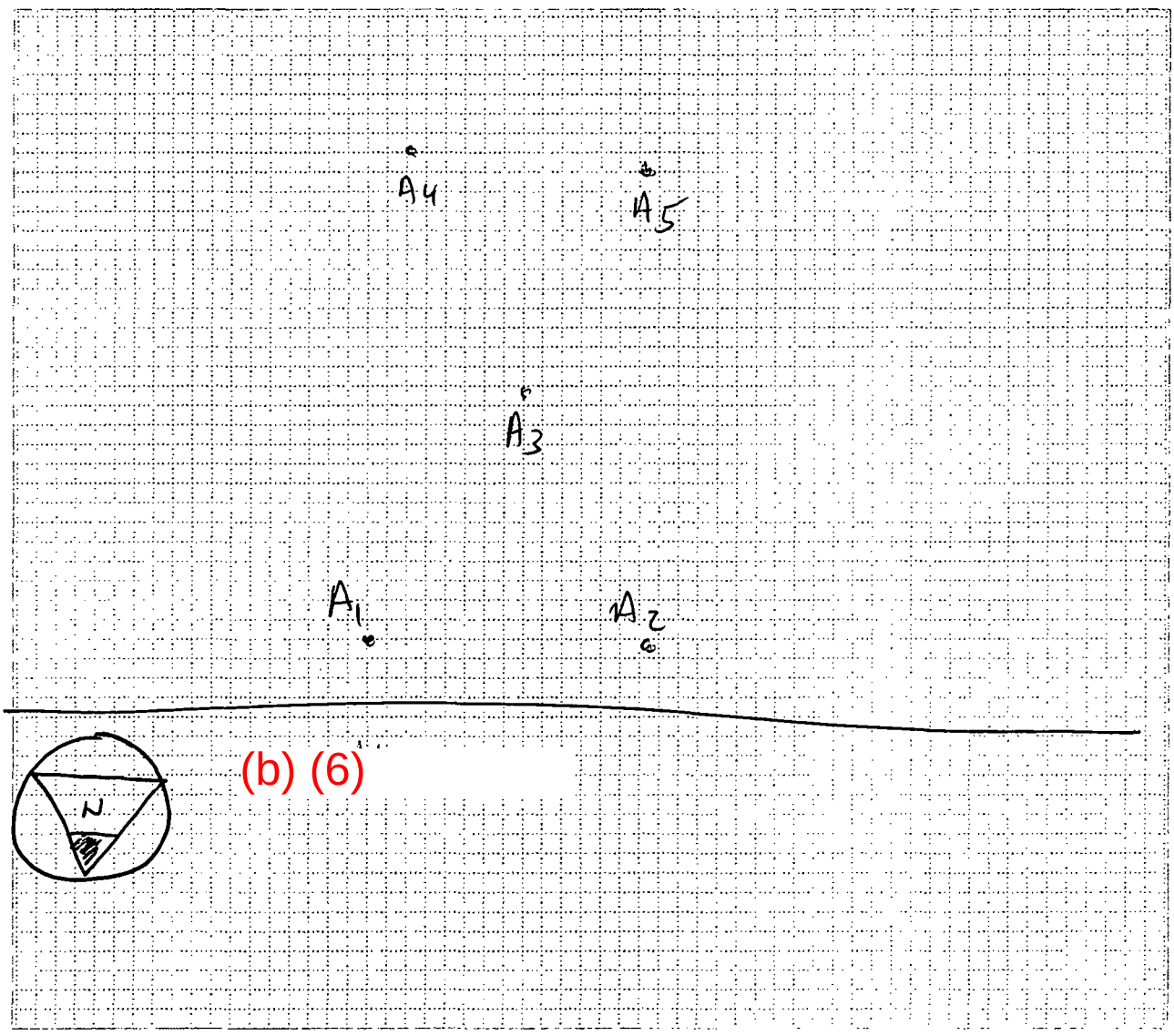
Other pertinent information (weather conditions, etc.):

77° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV 1090 **SAMPLE ID:** CV1090A-CS

SAMPLE COLLECTION TIME: 840

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

Empty Pond

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

Field Duplicate or Split: Yes or No *If yes, indicate* **Duplicate/split sample station ID:** CV1090A-CS-D

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

Aliquot #1: *Latitude:* 33.55002684 N *Longitude* 86.79919014 W

Media description: Dark Brown Silty Soil

Aliquot #2 *Latitude:* 33.55003445 N *Longitude* 86.79924644 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.54994375 N *Longitude* 86.79922260 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.54989359 N *Longitude* 86.79918940 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.54989029 N *Longitude* 86.79923605 W

Media description: Same A1

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 #: DK Logged? Y or N

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

Media description: 4/10/13

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: CV 1091

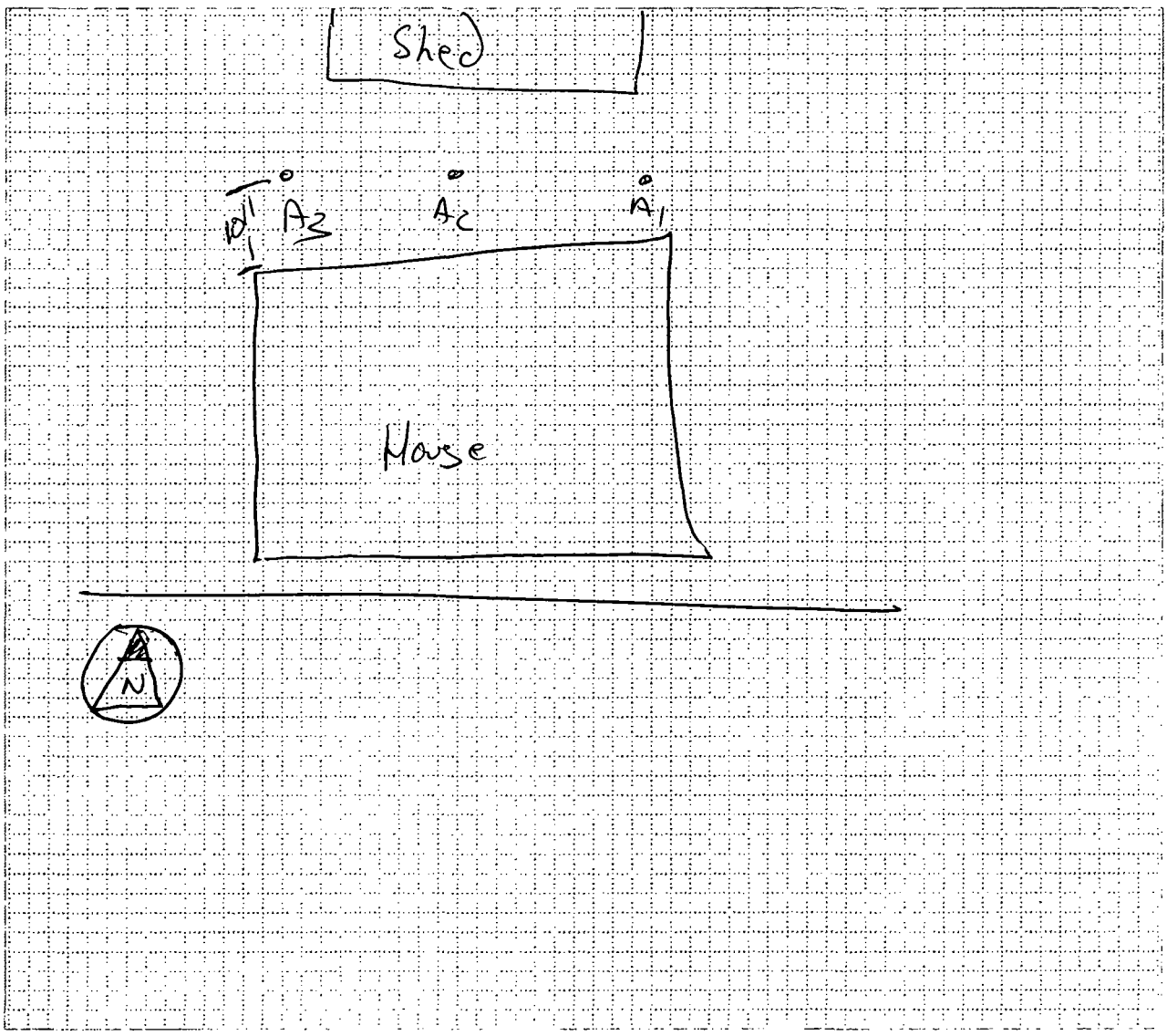
DATE: 4/10/13 ARRIVAL TIME: 0820

Other pertinent information (weather conditions, etc.):

80° sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1091 **SAMPLE ID:** CV1091

SAMPLE COLLECTION TIME: 0900

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

Back of House in 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:* 33.55038765 N *Longitude* 86.79917398 W

Media description: Dark Brown silty clay w/coal

Aliquot #2 *Latitude:* 33.55038803 N *Longitude* 86.79921858 W

Media description: Dark Brown sandy clay w/coal

Aliquot #3: *Latitude:* 33.55039188 N *Longitude* 86.79926982 W

Media description: Dark Brown sandy clay w/coal

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

Media description: _____

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

Media description: _____

4/10/13

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: _____

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: _____

4/10/13

ADDRESS: (b) (6) PROPERTY ID: CV1088

DATE: 4/10/13 ARRIVAL TIME: 0820

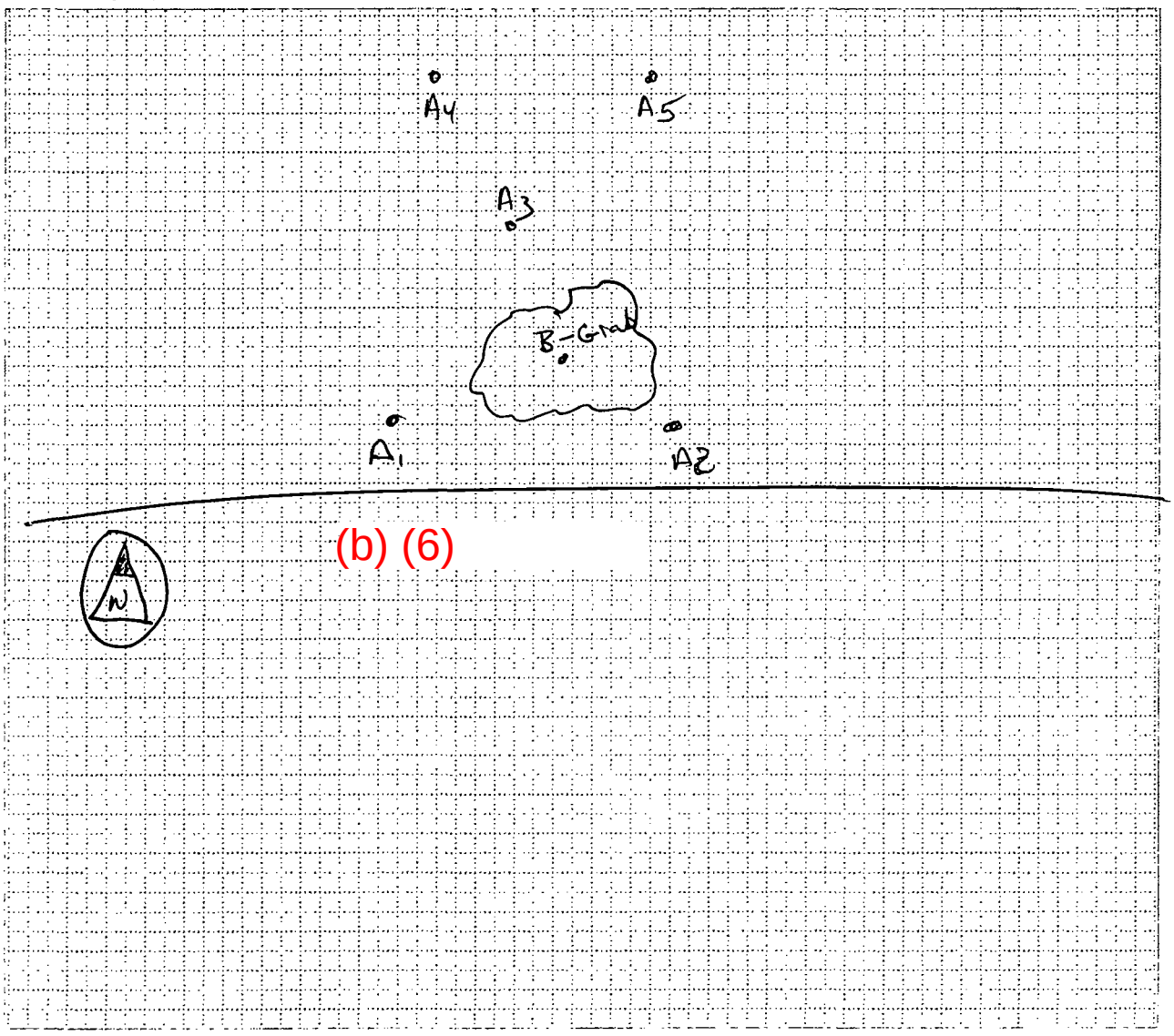
Other pertinent information (weather conditions, etc.):

80° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1088 SAMPLE ID: CV1088A-CS

SAMPLE COLLECTION TIME: 0920

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:* 33.55024190 N *Longitude* 86.79943658 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55021615 N *Longitude* 86.79937391 W

Media description: SAme A1

Aliquot #3: *Latitude:* 33.55028216 N *Longitude* 86.79940693 W

Media description: SAme A1

Aliquot #4: *Latitude:* 33.55035865 N *Longitude* 86.79943401 W

Media description: SAme At + Coal

Aliquot #5: *Latitude:* 33.55034021 N *Longitude* 86.79933429 W

Media description: Brown Silty sand.

STATION ID: CV1088 SAMPLE ID: CV1088B-~~CS~~ G

SAMPLE COLLECTION TIME: 0930

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

Grab

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:* 33.55024904 N *Longitude* 86.79937939 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: 4/10/13

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

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: CV1086

DATE: 4/10/13 ARRIVAL TIME: 0820

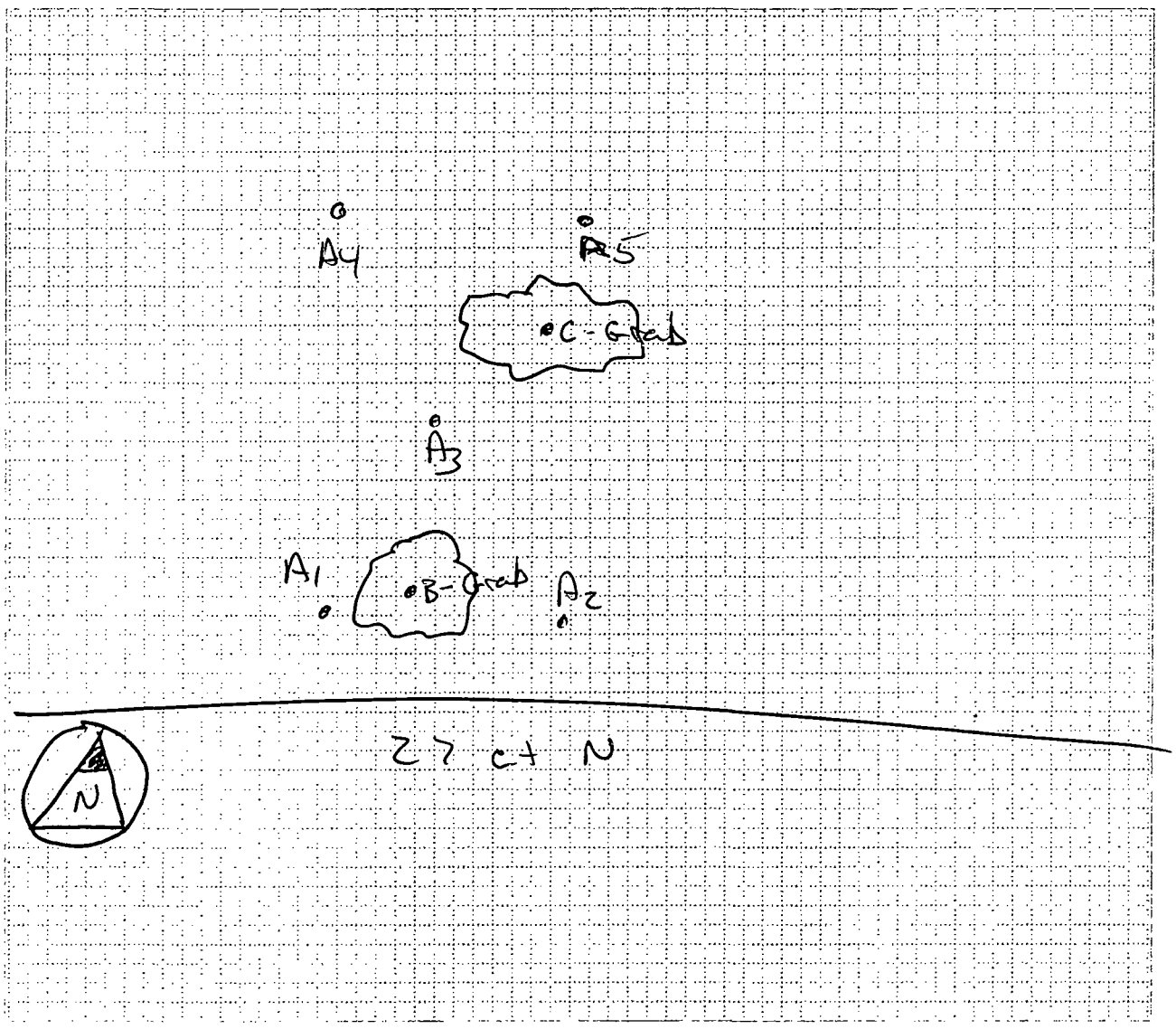
Other pertinent information (weather conditions, etc.):

80° Sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: CV1086 SAMPLE ID: CV1086 A-CS

SAMPLE COLLECTION TIME: 0950

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:* 33.55025596 N *Longitude* 86.79958427 W

Media description: Dark Brown silty soil

Aliquot #2 *Latitude:* 33.55023265 N *Longitude* 86.7995095 W

Media description: same A1

Aliquot #3: *Latitude:* 33.55031073 N *Longitude* 86.79956048 W

Media description: same A1

Aliquot #4: *Latitude:* 33.55038314 N *Longitude* 86.79959511 W

Media description: same A1

Aliquot #5: *Latitude:* 33.55038241 N *Longitude* 86.7995214 W

Media description: same A1

STATION ID: CV1086 SAMPLE ID: CV1086 B-G

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:* 33.55023960 N *Longitude* 86.79955251 W

Media description: Dark Brown silty sandy clay

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

Media description: _____

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

Media description: _____

Aliquot #4: *Latitude:* 4/10/13 N *Longitude* _____ W

Media description: _____

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

Media description: _____

ADDRESS: Cont PROPERTY ID: CV1086

DATE: 4/10/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

4/10/13

STATION ID: CV1086 **SAMPLE ID:** CV1086C-G

SAMPLE COLLECTION TIME: 1010

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

Empty Pavel

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:* 33.55032341 N *Longitude* 86.79951408 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: 4/10/13

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: 4/10/13

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: _____

Property was already sampled.
Samples cancelled.-

ADDRESS: (b) (6) PROPERTY ID: CV0951

DATE: 4/10/13 ARRIVAL TIME: 1250

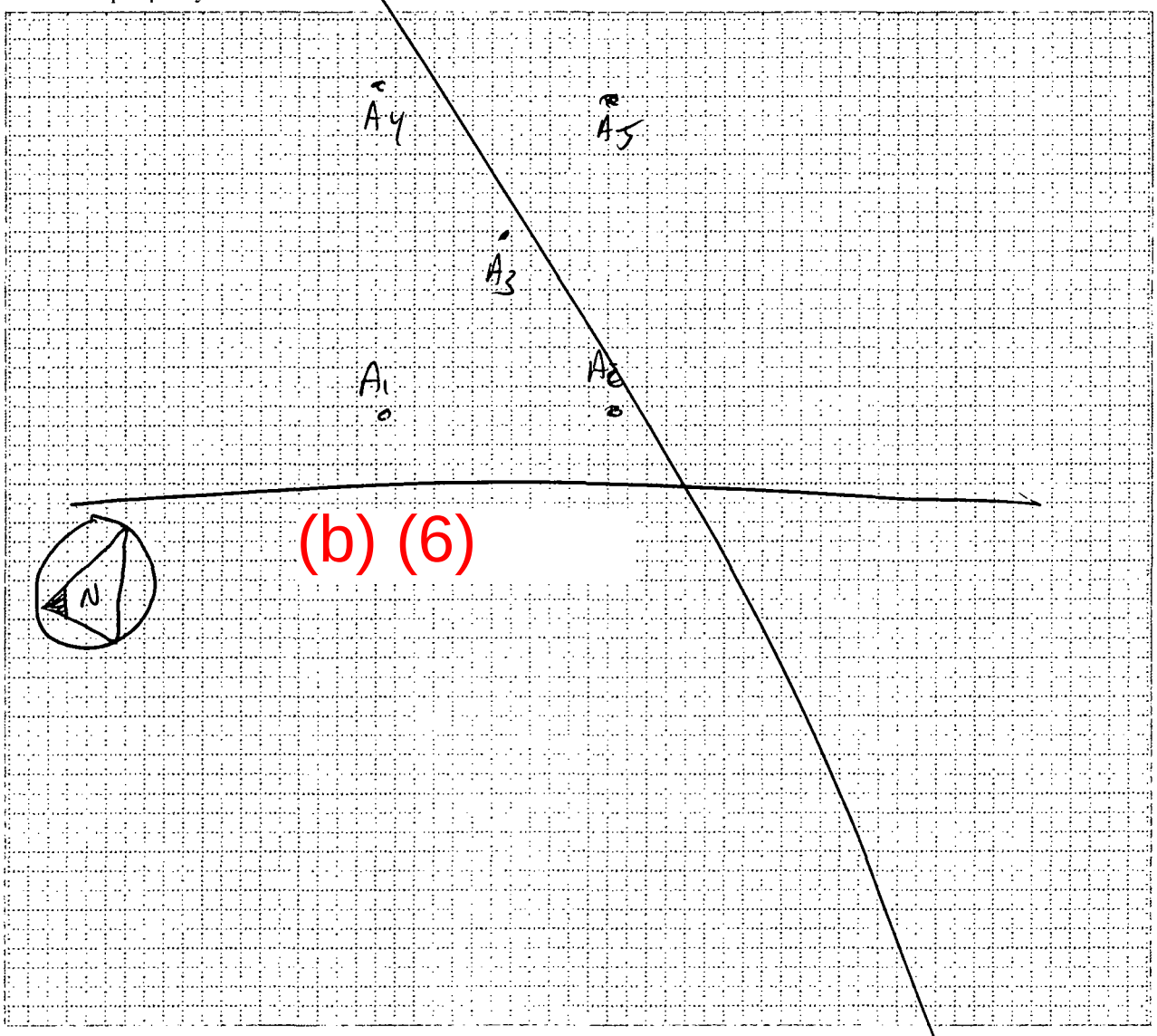
Other pertinent information (weather conditions, etc.):

85° sunny

PROPERTY COMMENTS:

empty lot

Grid for property sketch



Samples cancelled

STATION ID: CV0951 **SAMPLE ID:** CV0951A-CS

SAMPLE COLLECTION TIME: 1300

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

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:** CV0951A-CS-D

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

Aliquot #1: *Latitude:* 33.55818058 N *Longitude* 86.79460721 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.55817686 N *Longitude* 86.79466565 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55807322 N *Longitude* 86.79466547 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.55797175 N *Longitude* 86.79462719 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.55798784 N *Longitude* 86.79468281 W

Media description: Same A1

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:* 4/9/13 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: CV1357

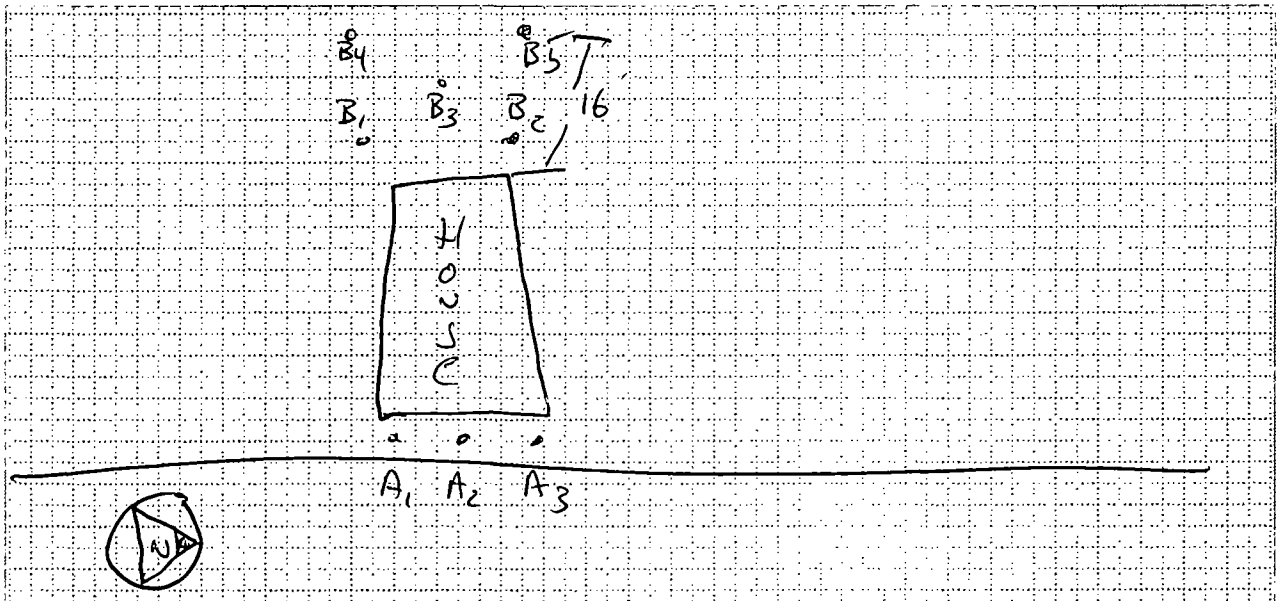
DATE: 4/10/13 ARRIVAL TIME: 1315

Other pertinent information (weather conditions, etc.):

85° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1357 **SAMPLE ID:** CV1357A-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:**

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

Aliquot #1: *Latitude:* 33.55232924 N *Longitude* 86.79845988 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55235313 N *Longitude* 86.79845490 W

Media description:

Aliquot #3: *Latitude:* 33.55238427 N *Longitude* 86.79845428 W

Media description:

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

Media description:

Aliquot #5: *Latitude:* 4/10/13 N *Longitude* W

Media description:

STATION ID: CV1357 **SAMPLE ID:** CV1357B-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 [✓] Instrument #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55231861 N *Longitude* 86.79888884 W

Media description: Dark Brown silt

Aliquot #2 *Latitude:* 33.55238232 N *Longitude* 86.79868899 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.55231861 N *Longitude* 86.79886884 W

Media description: Same B2

Aliquot #4: *Latitude:* 33.55235638 N *Longitude* 86.79870886 W

Media description: Dark Brown silt clay

Aliquot #5: *Latitude:* 33.55231108 N *Longitude* 86.79873985 W

Media description: Dark Brown silt clay

ADDRESS: (b) (6) PROPERTY ID: CV0822

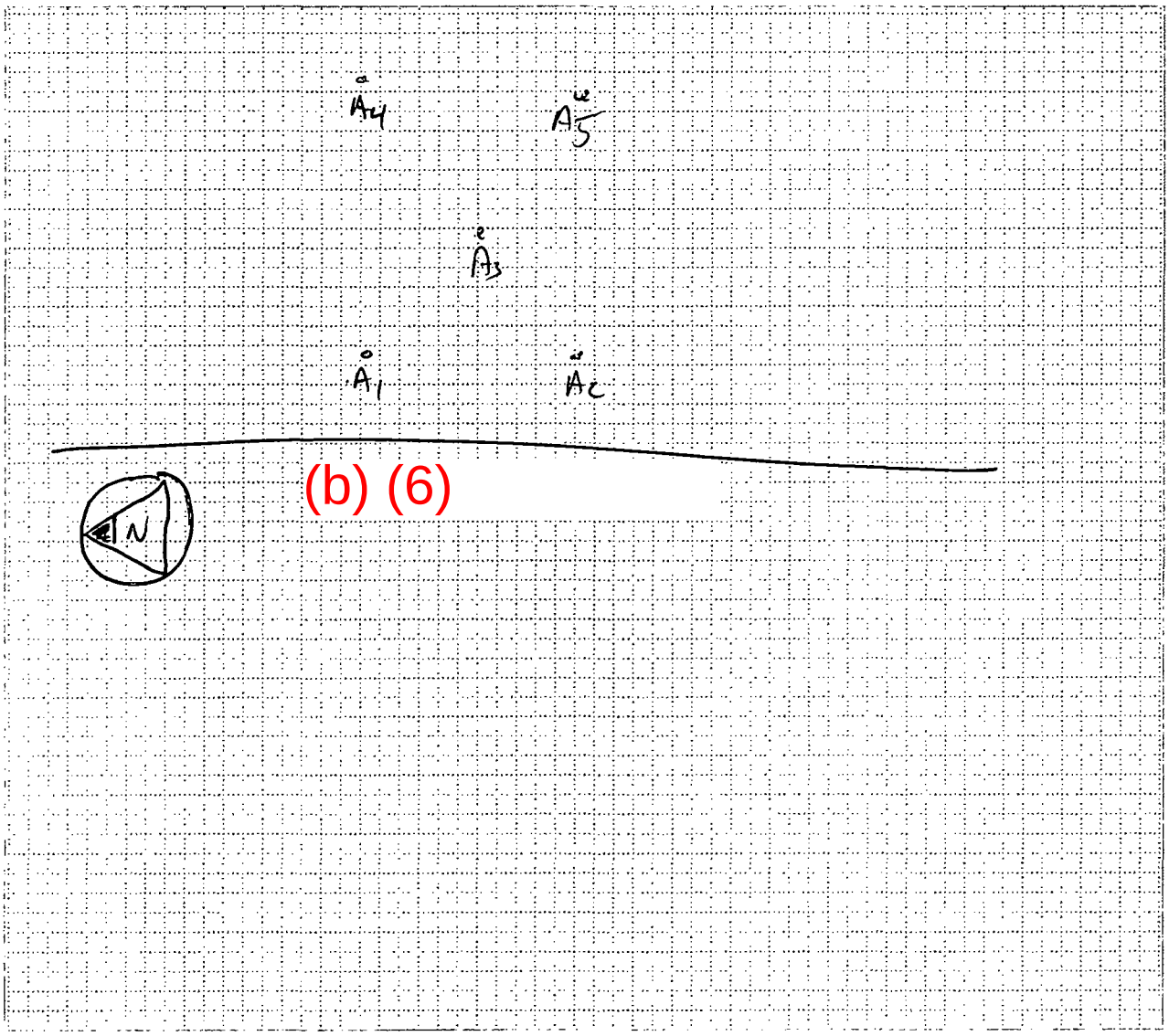
DATE: 4/10/13 ARRIVAL TIME: 1400

Other pertinent information (weather conditions, etc.):

85° Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0877 **SAMPLE ID:** CV0877A-S

SAMPLE COLLECTION TIME: 1450

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

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

Aliquot #1: *Latitude:* 33.553353274 N *Longitude* 86.80043111 W

Media description: Dark Brown silt w/coal

Aliquot #2 *Latitude:* 33.553495502 N *Longitude* 86.80043118 W

Media description: SAme. A1

Aliquot #3: *Latitude:* 33.55330200 N *Longitude* 86.80034508 W

Media description: Brown silty soil

Aliquot #4: *Latitude:* 33.55353072 N *Longitude* 86.80027256 W

Media description: SAme A3

Aliquot #5: *Latitude:* 33.55348352 N *Longitude* 86.80026145 W

Media description: SAme A3

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: 4/10/13

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: HP-0040

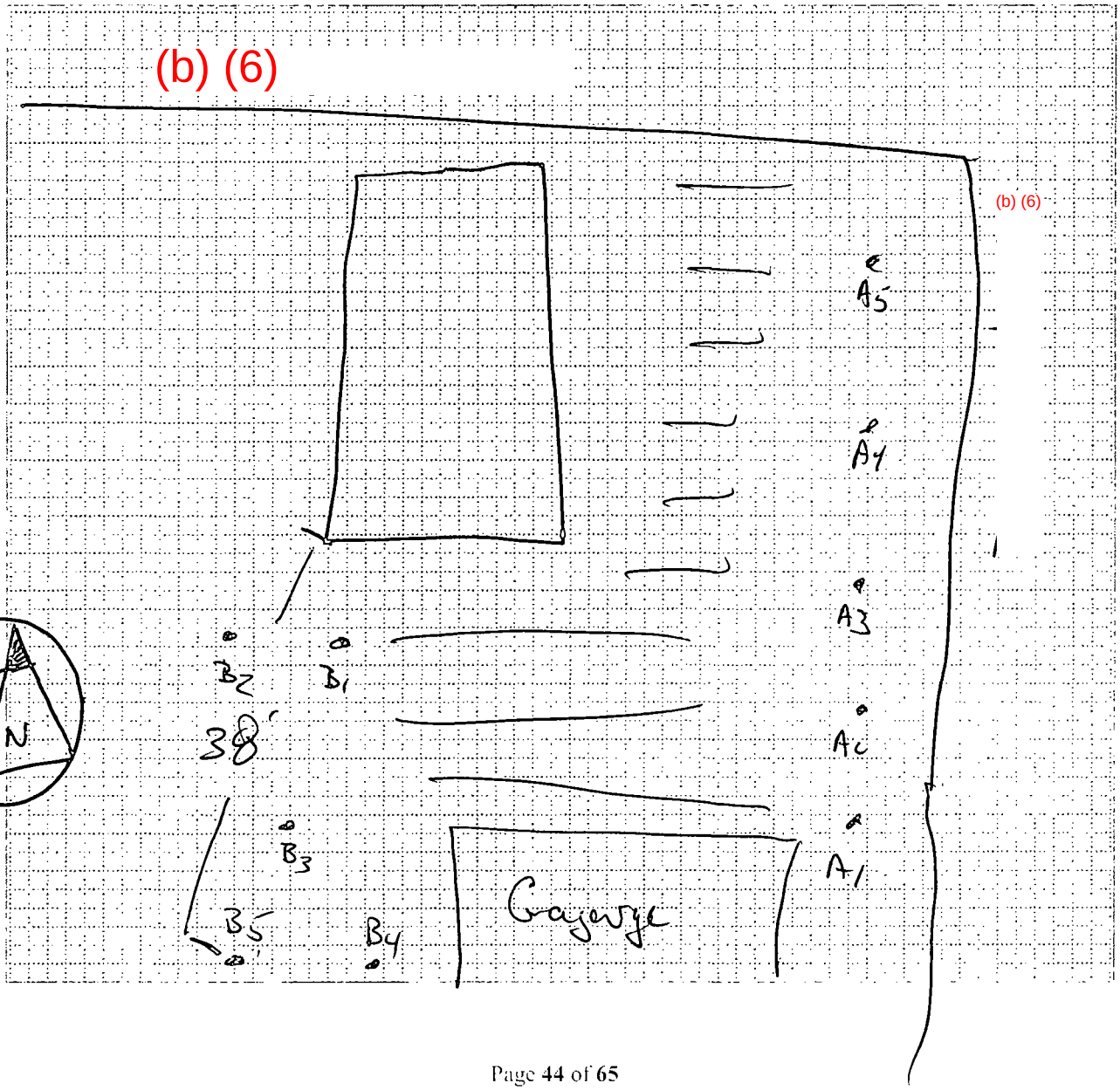
DATE: 4/10/13 ARRIVAL TIME: 0830

Other pertinent information (weather conditions, etc.):

72° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0040 **SAMPLE ID:** HP0040A-CS

SAMPLE COLLECTION TIME: 0850

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:** HP0040A-CS-D

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

Aliquot #1: *Latitude:* 33.56386016 N *Longitude* 86.56386016 W

Media description: Brown silty clay + coal

Aliquot #2 *Latitude:* 33.56389852 N *Longitude* 86.79623096 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.56395528 N *Longitude* 86.79622231 W

Media description: Gray silty sand

Aliquot #4: *Latitude:* 33.56400417 N *Longitude* 86.79622085 W

Media description: Brown silty clay w/coal

Aliquot #5: *Latitude:* 33.56405863 N *Longitude* 86.79622037 W

Media description: Same A5

STATION ID: HP0040 **SAMPLE ID:** HP0040B-CS

SAMPLE COLLECTION TIME: 0900

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:* 33.56398202 N *Longitude* 86.79633451 W

Media description: Brown sandy silt

Aliquot #2 *Latitude:* 33.56388457 N *Longitude* 86.79637944 W

Media description: Same B2

Aliquot #3: *Latitude:* 33.56382022 N *Longitude* 86.79637617 W

Media description: Brown sand silty clay

Aliquot #4: *Latitude:* 33.56377310 N *Longitude* 86.79636086 W

Media description: Dark Brown sandy silty clay

Aliquot #5: *Latitude:* 33.56377496 N *Longitude* 86.79638817 W

Media description: Same B4 + Coal

ADDRESS: (b) (6) PROPERTY ID: CV0993

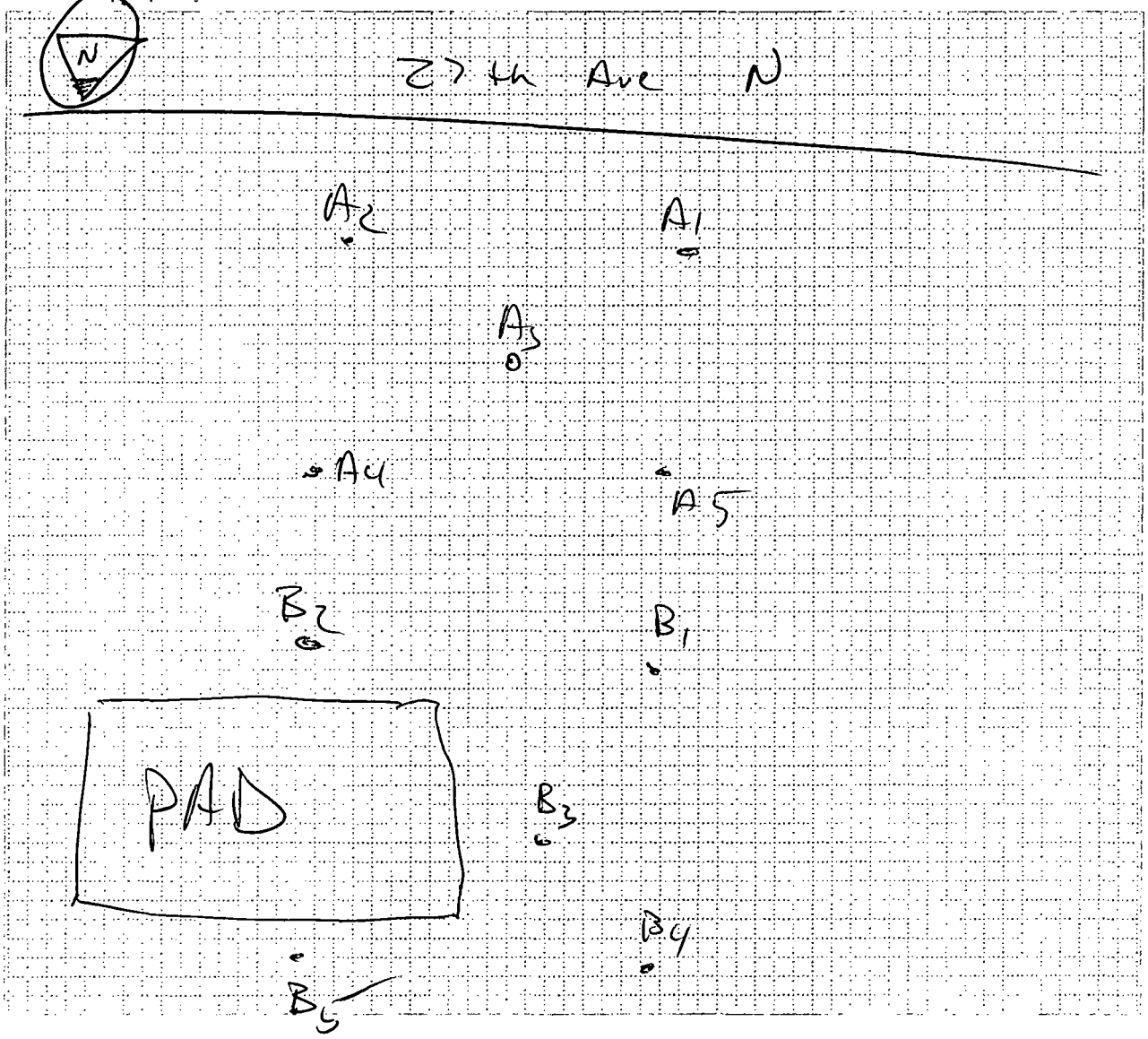
DATE: 4/11/13 ARRIVAL TIME: 0925

Other pertinent information (weather conditions, etc.):

72° Overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0993 SAMPLE ID: CV0993A-CS

SAMPLE COLLECTION TIME: 0930

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:* 33.54970181 N *Longitude* 86.80081581 W

Media description: Brown silty sandy clay

Aliquot #2 *Latitude:* 33.54969959 N *Longitude* 86.80072609 W

Media description: Dark Brown silty clay trace

Aliquot #3: *Latitude:* 33.54976061 N *Longitude* 86.80074819 W

Media description: ~~Light Brown sandy sil~~ same as 1

Aliquot #4: *Latitude:* 33.54981107 N *Longitude* 86.80081361 W

Media description: light Brown sandy silty clay

Aliquot #5: *Latitude:* 33.54980824 N *Longitude* 86.80071325 W

Media description: Brown silt soil

STATION ID: CV0993 SAMPLE ID: CV0993B-CS

SAMPLE COLLECTION TIME: 0940

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

empty Paver

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:* 33.54984363 N *Longitude* 86.80081661 W

Media description: Brown silty clay

Aliquot #2 *Latitude:* 33.54983678 N *Longitude* 86.80071462 W

Media description: Light Brown silty clay

Aliquot #3: *Latitude:* 33.54988571 N *Longitude* 86.80078225 W

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

Aliquot #4: *Latitude:* 33.54992620 N *Longitude* 86.80081339 W

Media description: Light Brown sandy silty clay

Aliquot #5: *Latitude:* 33.54993084 N *Longitude* 86.80070521 W

Media description: Dark Brown sandy silty clay

ADDRESS: (b) (6) PROPERTY ID: CV 0992

DATE: 4/4/13 ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

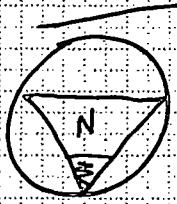
72° overcast

PROPERTY COMMENTS:

Empty lot

Grid for property sketch

(b) (6)



4/4/13

STATION ID: CV099Z **SAMPLE ID:** CV099Z A-CS

SAMPLE COLLECTION TIME: _____

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:* _____ 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:* 4/11/13 N *Longitude* _____ W

Media description: _____

STATION ID: CV099Z **SAMPLE ID:** CV099Z B-CS

SAMPLE COLLECTION TIME: _____

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:* _____ 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: CV1290

DATE: 4/11/13 ARRIVAL TIME: 1015

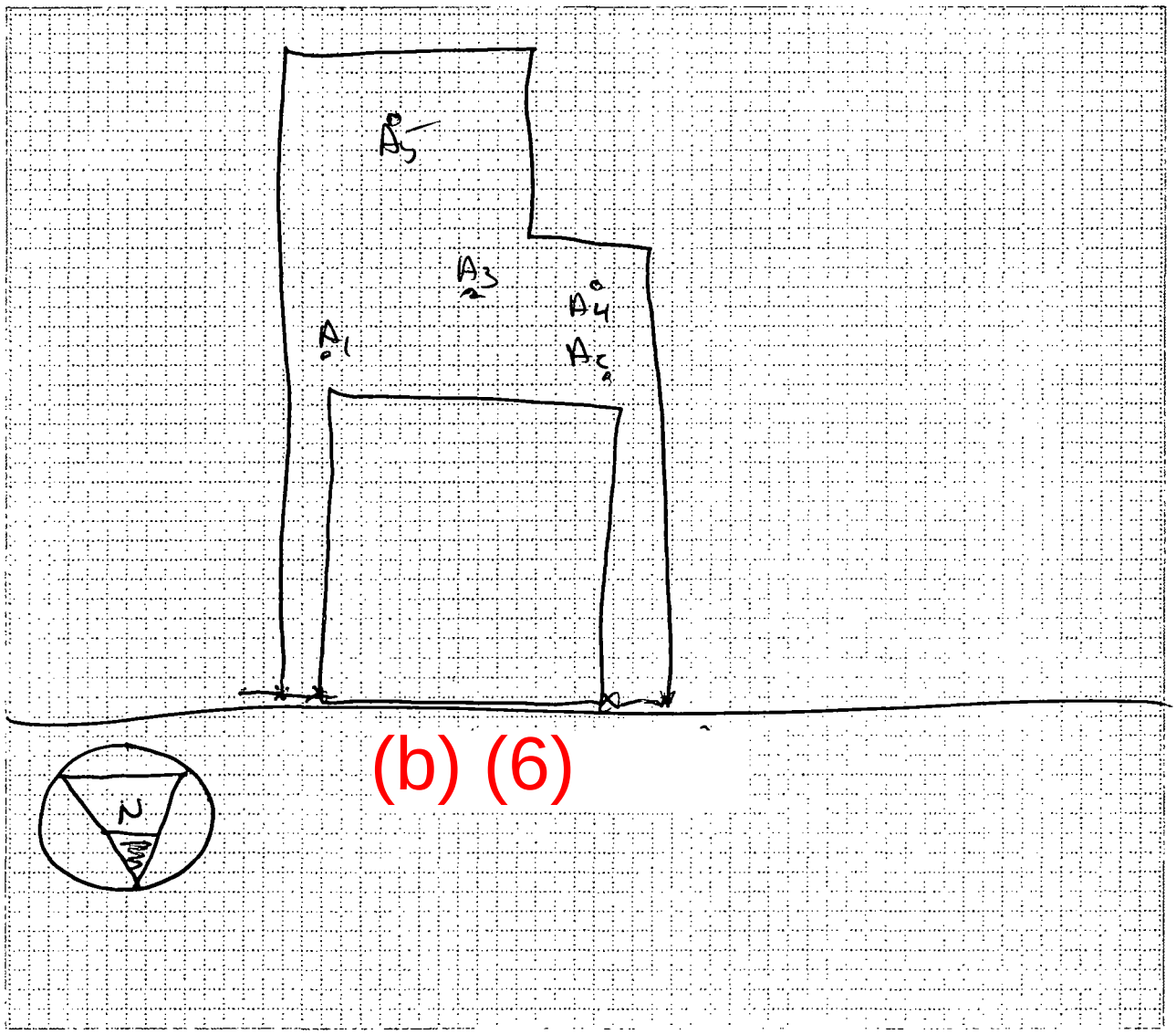
Other pertinent information (weather conditions, etc.):

72° Overcast

PROPERTY COMMENTS:

House is close to street No front yard

Grid for property sketch



STATION ID: CV1290 **SAMPLE ID:** CV1290A-CS

SAMPLE COLLECTION TIME: 1030

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:**

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

Aliquot #1: *Latitude:* 33.55237309 N *Longitude* 86.79659196 W

Media description: Black silty soil

Aliquot #2 *Latitude:* 33.55240266 N *Longitude* 86.79669751 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55235184 N *Longitude* 86.79665003 W

Media description: Same A1

Aliquot #4: *Latitude:* 33.55226116 N *Longitude* 86.79661600 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.5523445 N *Longitude* 86.79671011 W

Media description: Same A1

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: 4/11/13

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: CV1216

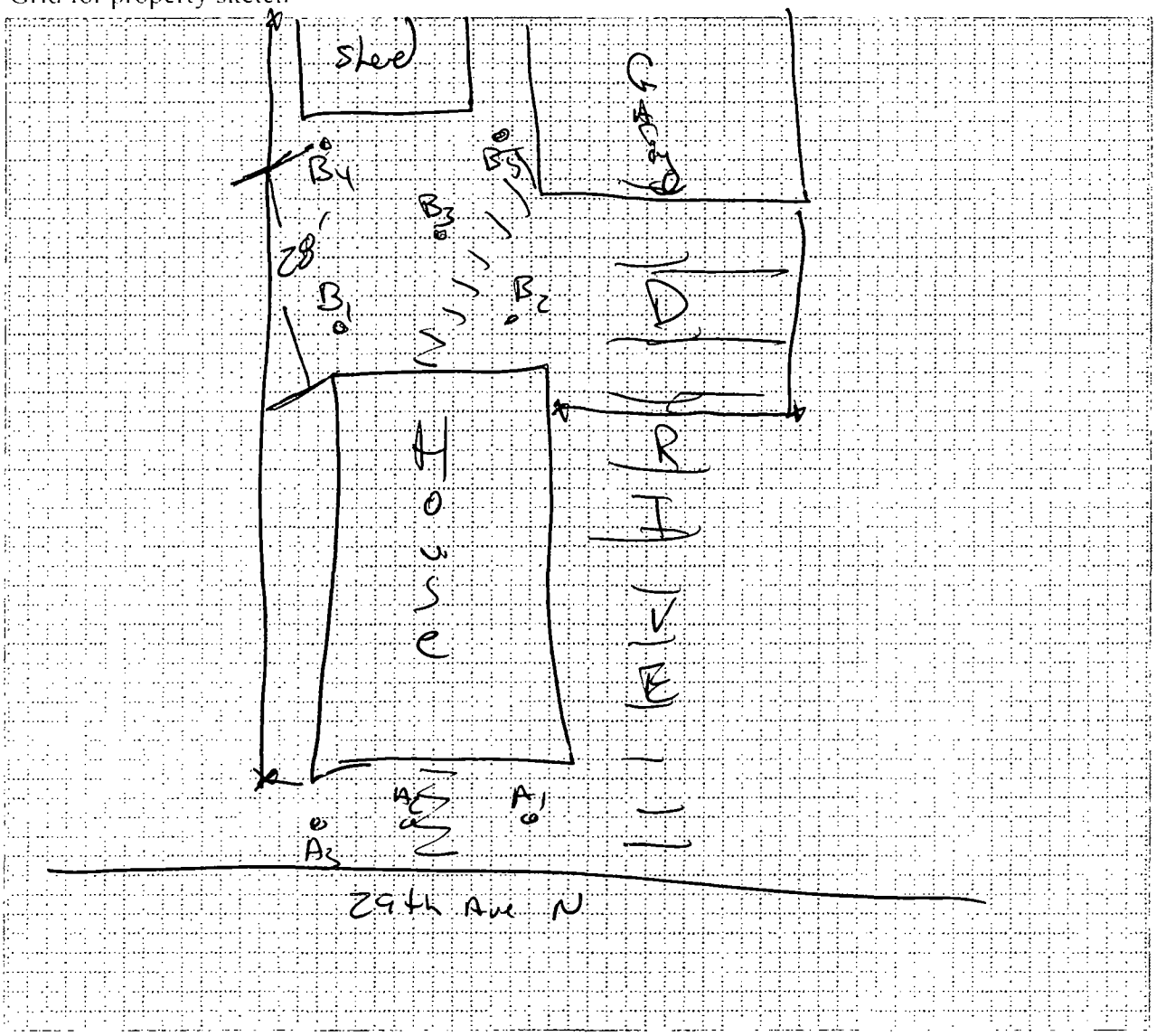
DATE: 4/11/13 ARRIVAL TIME: ~~1300~~ 1300

Other pertinent information (weather conditions, etc.):

75° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1216 SAMPLE ID: CV1216A-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:

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

Aliquot #1: *Latitude:* 33.55212683 N *Longitude* 86.80294200 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55211923 N *Longitude* 86.80298961 W

Media description: Stone A1

Aliquot #3: *Latitude:* 33.55212188 N *Longitude* 86.80302830 W

Media description: Stone A1

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

~~Media description:~~

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

Media description: 4/11/13

STATION ID: CV1216 SAMPLE ID: CV1216B-CS

SAMPLE COLLECTION TIME: 1320

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:

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

Aliquot #1: *Latitude:* 33.55234188 N *Longitude* 86.80300919 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55234833 N *Longitude* 86.80291341 W

Media description: Stone B2

Aliquot #3: *Latitude:* 33.55235805 N *Longitude* 86.80295641 W

Media description: Dark Brown silt

Aliquot #4: *Latitude:* 33.55241828 N *Longitude* 86.80302225 W

Media description: Stone B3

Aliquot #5: *Latitude:* 33.55240695 N *Longitude* 86.80296233 W

Media description: Brown silty Clay

ADDRESS: (b) (6) PROPERTY ID: CV1335

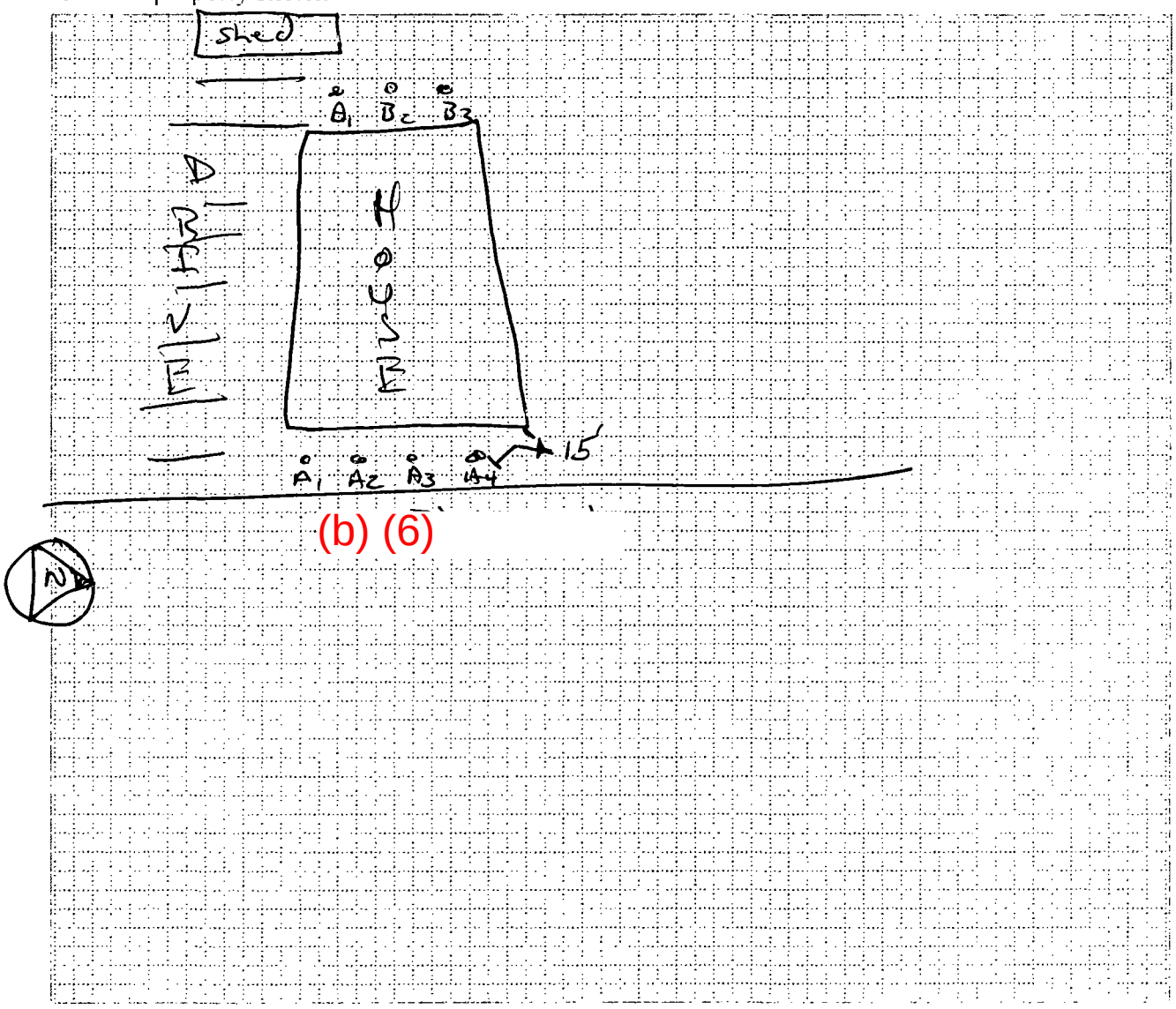
DATE: 4/11/13 ARRIVAL TIME: 1330

Other pertinent information (weather conditions, etc.):

75° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1335 **SAMPLE ID:** CV1335A-CS

SAMPLE COLLECTION TIME: 1340

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:* 33.55186854 N *Longitude* 86.79940616 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55188641 N *Longitude* 86.79941625 W

Media description: S Area A1

Aliquot #3: *Latitude:* 33.55191500 N *Longitude* 86.79941503 W

Media description: S Area A1

Aliquot #4: *Latitude:* 33.55193908 N *Longitude* 86.79918912 W

Media description: S Area A1

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

Media description: 4/11/13

STATION ID: CV1335 **SAMPLE ID:** CV1335B-CS

SAMPLE COLLECTION TIME: 1350

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:* 33.55186323 N *Longitude* 86.79919058 W

Media description: Dark Brown silty clay w/ Coal

Aliquot #2 *Latitude:* 33.55189973 N *Longitude* 86.79919250 W

Media description: S Area B1

Aliquot #3: *Latitude:* 33.55190502 N *Longitude* 86.79919275 W

Media description: S Area B1

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

Media description:

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

Media description: 4/11/13

ADDRESS: (b) (6) PROPERTY ID: CV1350

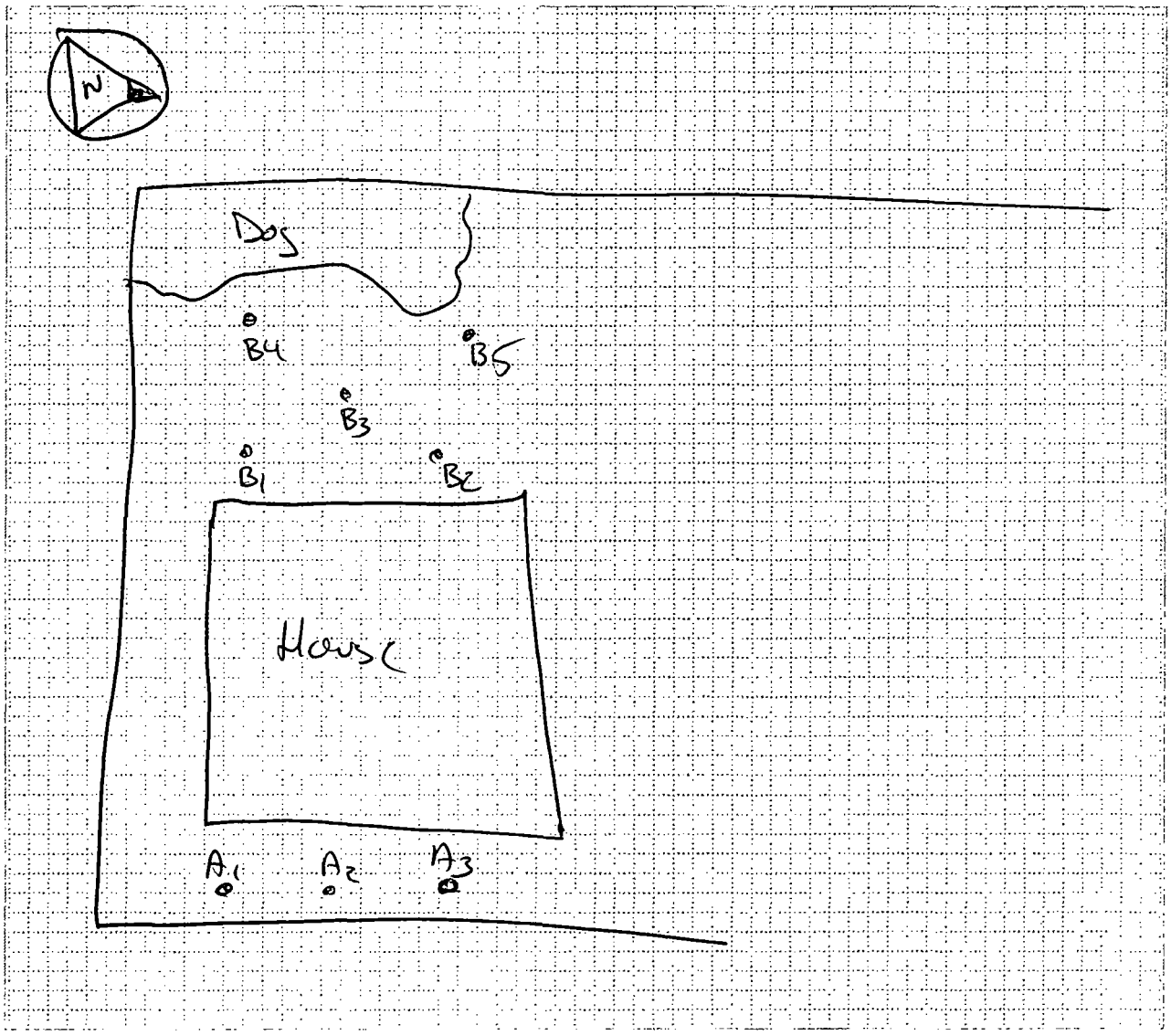
DATE: 4/11/13 ARRIVAL TIME: 1400

Other pertinent information (weather conditions, etc.):

75° Overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1350 **SAMPLE ID:** CV1350A-CS

SAMPLE COLLECTION TIME: 1400

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:* 33.55144339 N *Longitude* 86.79844349 W

Media description: Brown silty soil with coal

Aliquot #2 *Latitude:* 33.55148947 N *Longitude* 86.79844170 W

Media description: A1 Same

Aliquot #3: *Latitude:* 33.55152649 N *Longitude* 86.79844691 W

Media description: Same A1

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

Media description:

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

Media description: 4/11/13

STATION ID: CV1350 **SAMPLE ID:** CV1350B-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:**

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

Aliquot #1: *Latitude:* 33.55147541 N *Longitude* 86.79862446 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55151600 N *Longitude* 86.79862329 W

Media description: Same B2

Aliquot #3: *Latitude:* ~~Light Brown sand silty~~ 33.55149939 N *Longitude* W

Media description: light Brown sandy silt 86.79866267

Aliquot #4: *Latitude:* 33.55148929 N *Longitude* 86.79868828 W

Media description: Same B3

Aliquot #5: *Latitude:* 33.55152463 N *Longitude* 86.79869227 W

Media description: Brown sandy silt

ADDRESS: (b) (6) PROPERTY ID: CV-1117

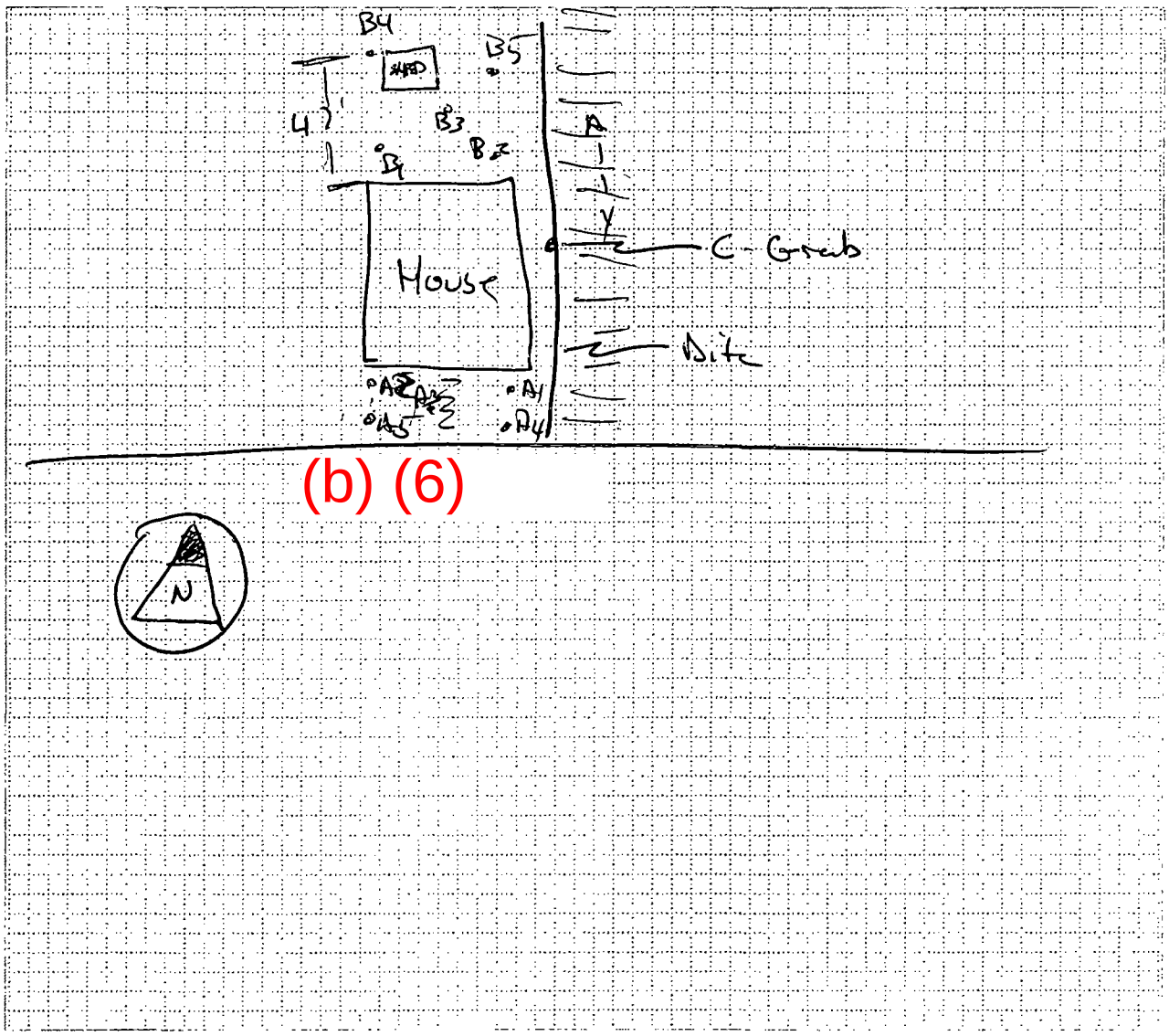
DATE: 4/11/13 ARRIVAL TIME: 1440

Other pertinent information (weather conditions, etc.):

75° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV1117 **SAMPLE ID:** CV1117A-CS

SAMPLE COLLECTION TIME: 1450

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* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* 33.55039544 N *Longitude* 86.79628875 W

Media description: Brown silty clay w/Coal

Aliquot #2 *Latitude:* 33.55040753 N *Longitude* 86.79639669 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55038317 N *Longitude* 86.79633455 W

Media description: Brown silty clay

Aliquot #4: *Latitude:* 33.55036771 N *Longitude* 86.79628337 W

Media description: Same A3

Aliquot #5: *Latitude:* 33.55036768 N *Longitude* 86.79638775 W

Media description: Same A3

STATION ID: CV1117 **SAMPLE ID:** CV1117B-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* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* ~~33.55~~ 33.55056149 N *Longitude* 86.79639687 W

Media description: Dark Brown silty Clay

Aliquot #2 *Latitude:* 33.55056521 N *Longitude* 86.79628426 W

Media description: Same B,

Aliquot #3: *Latitude:* 33.55060840 N *Longitude* 86.79632666 W

Media description: Same B, + Coal

Aliquot #4: *Latitude:* 33.55064279 N *Longitude* 86.79634225 W

Media description: Same B, + Coal

Aliquot #5: *Latitude:* 33.55064330 N *Longitude* 86.79627357 W

Media description: Same B,

ADDRESS: SAme PROPERTY ID: CV 1117

DATE: 4/11/13 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

4/11/13

STATION ID: CV1117 **SAMPLE ID:** CV1117

SAMPLE COLLECTION TIME: 1510

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

Grab Sample side Ditch

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:* 33.5054600 N *Longitude* 86.7962500 W

Media description: Black 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: 4/11/13

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

Media description: _____

STATION ID: _____ **SAMPLE ID:** _____

SAMPLE COLLECTION TIME: _____

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

_____

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

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

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

Aliquot #1: *Latitude:* _____ N *Longitude* _____ W

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: CV0695

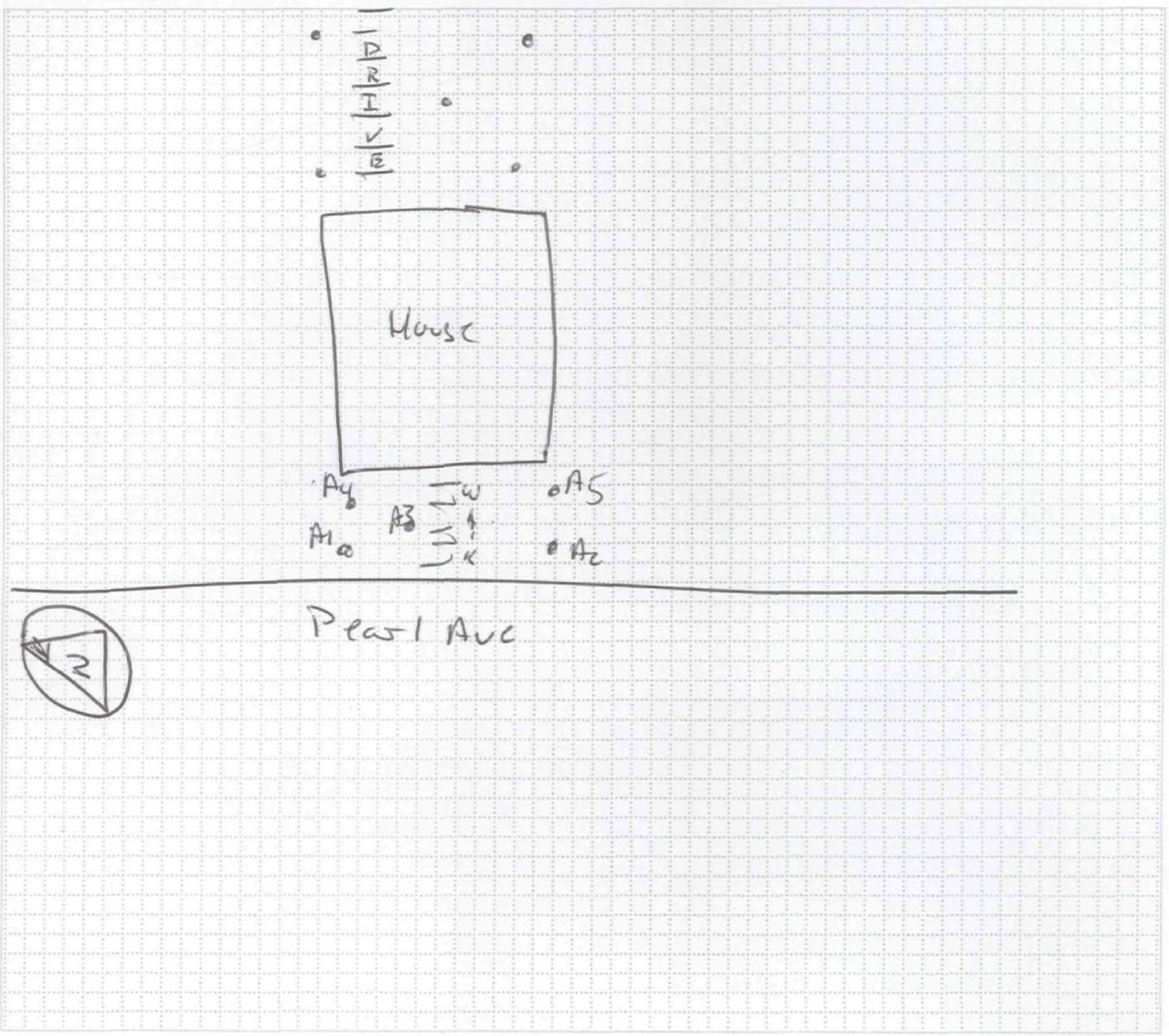
DATE: 4/12/13 ARRIVAL TIME: 0815

Other pertinent information (weather conditions, etc.):

50° Sunny Cool

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0695 **SAMPLE ID:** CV0695A-CS

SAMPLE COLLECTION TIME: 0840

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* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* 33.55948958 N *Longitude* 86.80219176 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55941252 N *Longitude* 86.80226334 W

Media description: Same A1

Aliquot #3: *Latitude:* 33.55945063 N *Longitude* 86.80219134 W

Media description: Same A1 + Coal

Aliquot #4: *Latitude:* 33.55945947 N *Longitude* 86.80216509 W

Media description: Same A1

Aliquot #5: *Latitude:* 33.5589715 N *Longitude* 86.80223005 W

Media description: Brown & Red silty clay

STATION ID: CV0695 **SAMPLE ID:** CV0695B-CS

SAMPLE COLLECTION TIME: 0850

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* N *If yes, indicate* **Duplicate/split sample station ID:**

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

Aliquot #1: *Latitude:* 33.55931734 N *Longitude* 86.80199094 W

Media description: Dark Brown silty clay

Aliquot #2 *Latitude:* 33.55926017 N *Longitude* 86.80203569 W

Media description: Same B1

Aliquot #3: *Latitude:* 33.55926612 N *Longitude* 86.80195727 W

Media description: Same B1

Aliquot #4: *Latitude:* 33.55927175 N *Longitude* 86.80188887 W

Media description: Same B1

Aliquot #5: *Latitude:* 33.55919390 N *Longitude* 86.80194656 W

Media description: Same B1

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

End of Book 1A

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