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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** 1

Inclusive Dates: 1/28/13 - 1/31/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	AD	AES, Team Leader
	BB	OTIE

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Sampling Procedures and Methodology

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

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

- For residential properties with a total parcel lot size equal to or less than (≤) 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: OV0242

DATE: 1/28/13 ARRIVAL TIME: 1321

Other pertinent information (weather conditions, etc.):

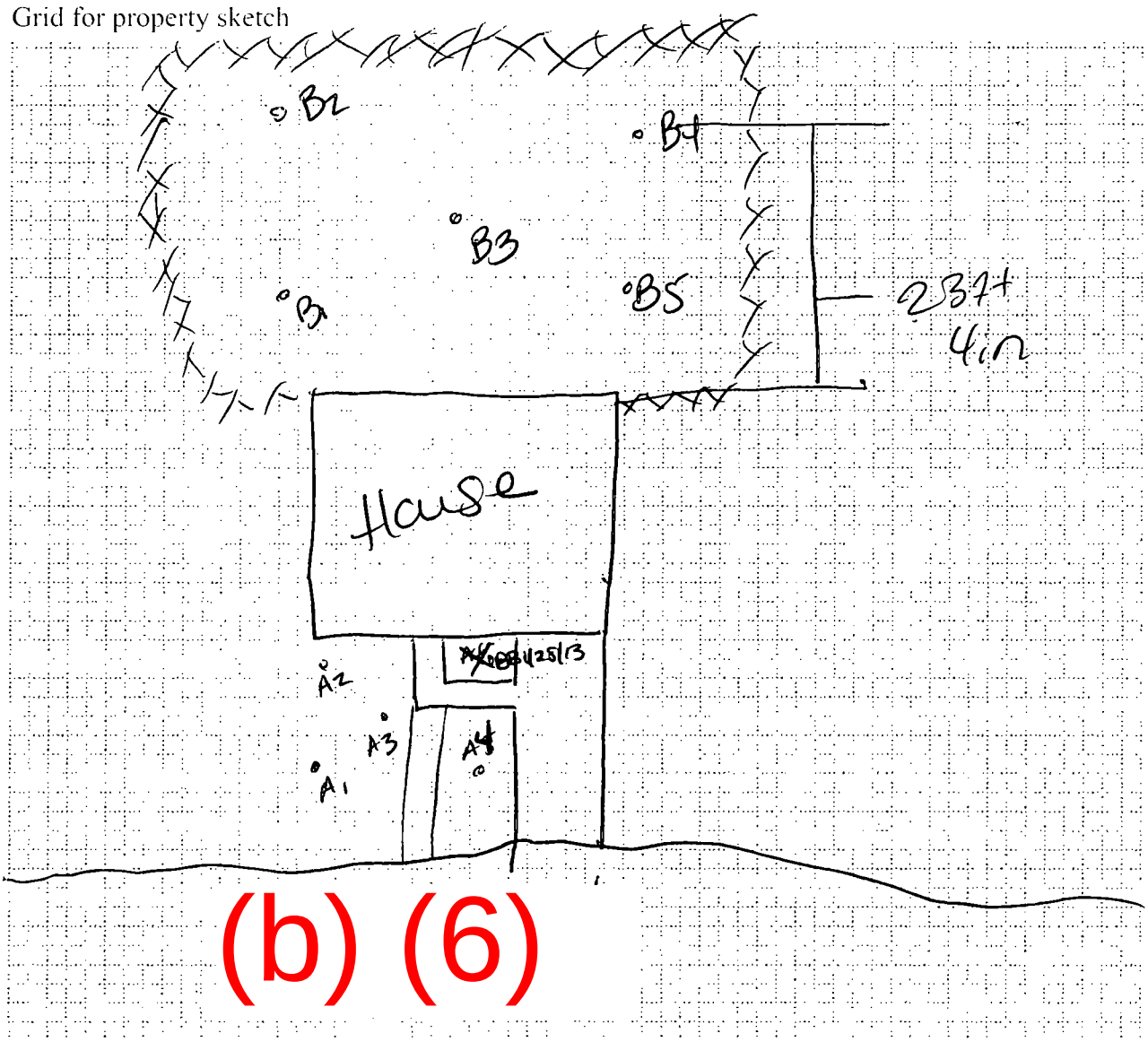
Sunny, 66°F

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0242A SAMPLE ID: CV0242A-CS-SP

SAMPLE COLLECTION TIME: 1338

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: CV0242A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55467504 N *Longitude* 86.80287181 W

Media description: DK brwn silt

Aliquot #2 *Latitude:* 33.55467758 N *Longitude* 86.80291835 W

Media description: DK brwn silt

Aliquot #3: *Latitude:* 33.55470680 N *Longitude* 86.80290609 W

Media description: DK brwn silt

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

~~Media description:~~

Aliquot #4 *Latitude:* 33.55474384 N *Longitude* 86.80287859 W

BB 4/28/13

Media description: DK brwn silt

STATION ID: CV0242B SAMPLE ID: CV0242B-CS-SP

SAMPLE COLLECTION TIME: 1342

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: CV0242B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55470271 N *Longitude* 86.80312833 W

Media description: DK brwn silt

Aliquot #2 *Latitude:* 33.55471684 N *Longitude* 86.80318965 W

Media description: DK brwn silt

Aliquot #3: *Latitude:* 33.55475094 N *Longitude* 86.80315370 W

Media description: DK brwn silt

Aliquot #4: *Latitude:* 33.55477591 N *Longitude* 86.80318005 W

Media description: DK brwn silt

Aliquot #5: *Latitude:* 33.55478163 N *Longitude* 86.80312519 W

Media description: DK brwn silt w/ Coal fragments

ADDRESS: (b) (6) PROPERTY ID: HP0038

DATE: 1/28/13 ARRIVAL TIME: 1421

Other pertinent information (weather conditions, etc.):

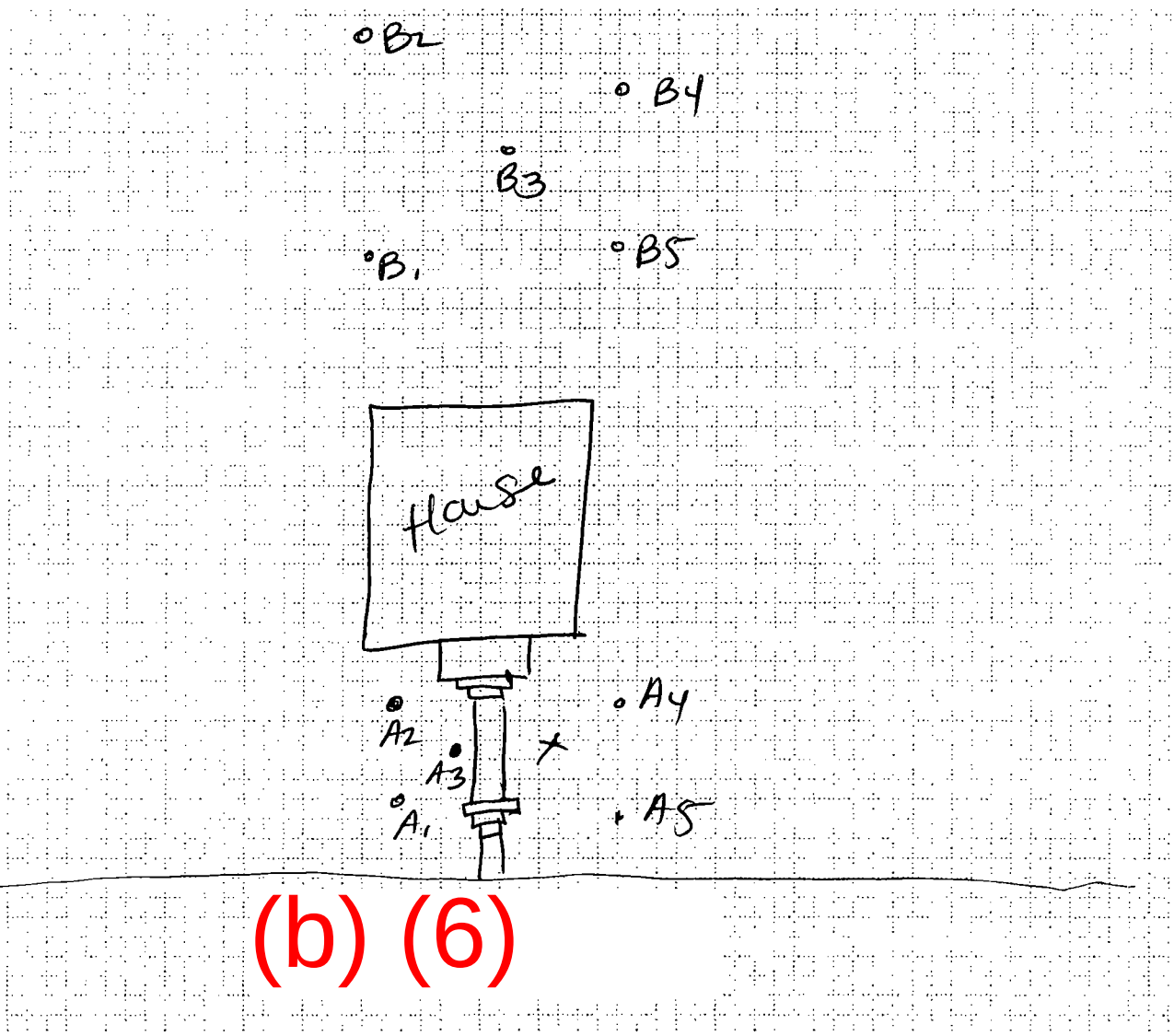
Sunny, 66°F

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: HP0038A **SAMPLE ID:** HP0038A-CS-SP

SAMPLE COLLECTION TIME: 1429

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:** HP0038A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56407553 N *Longitude* 86.79643229 W

Media description: DK brun / brun silt

Aliquot #2 *Latitude:* 33.56405558 N *Longitude* 86.79643378 W

Media description: DK brun / brun silt

Aliquot #3: *Latitude:* 33.56406957 N *Longitude* 86.79645675 W

Media description: DK brun / brun silt

Aliquot #4: *Latitude:* 33.56406403 N *Longitude* 86.79651254 W

Media description: DK brun / brun silt

Aliquot #5: *Latitude:* 33.56408363 N *Longitude* 86.79650815 W

Media description: brun silt w/ piece size gravel

STATION ID: HP0038B **SAMPLE ID:** HP0038B-CS-SP

SAMPLE COLLECTION TIME: 1433

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:** HP0038B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56384142 N *Longitude* 86.79646106 W

Media description: DK brun / brun silt

Aliquot #2 *Latitude:* 33.56374649 N *Longitude* 86.79643937 W

Media description: DK brun / brun silt

Aliquot #3: *Latitude:* 33.56381243 N *Longitude* 86.79649023 W

Media description: DK brun / brun silt

Aliquot #4: *Latitude:* 33.56378177 N *Longitude* 86.79652951 W

Media description: DK brun / brun silt

Aliquot #5: *Latitude:* 33.56384102 N *Longitude* 86.79651060 W

Media description: DK brun / brun silt

ADDRESS: (b) (6) PROPERTY ID: HP0093

DATE: 1/28/13 ARRIVAL TIME: 1447

Other pertinent information (weather conditions, etc.):

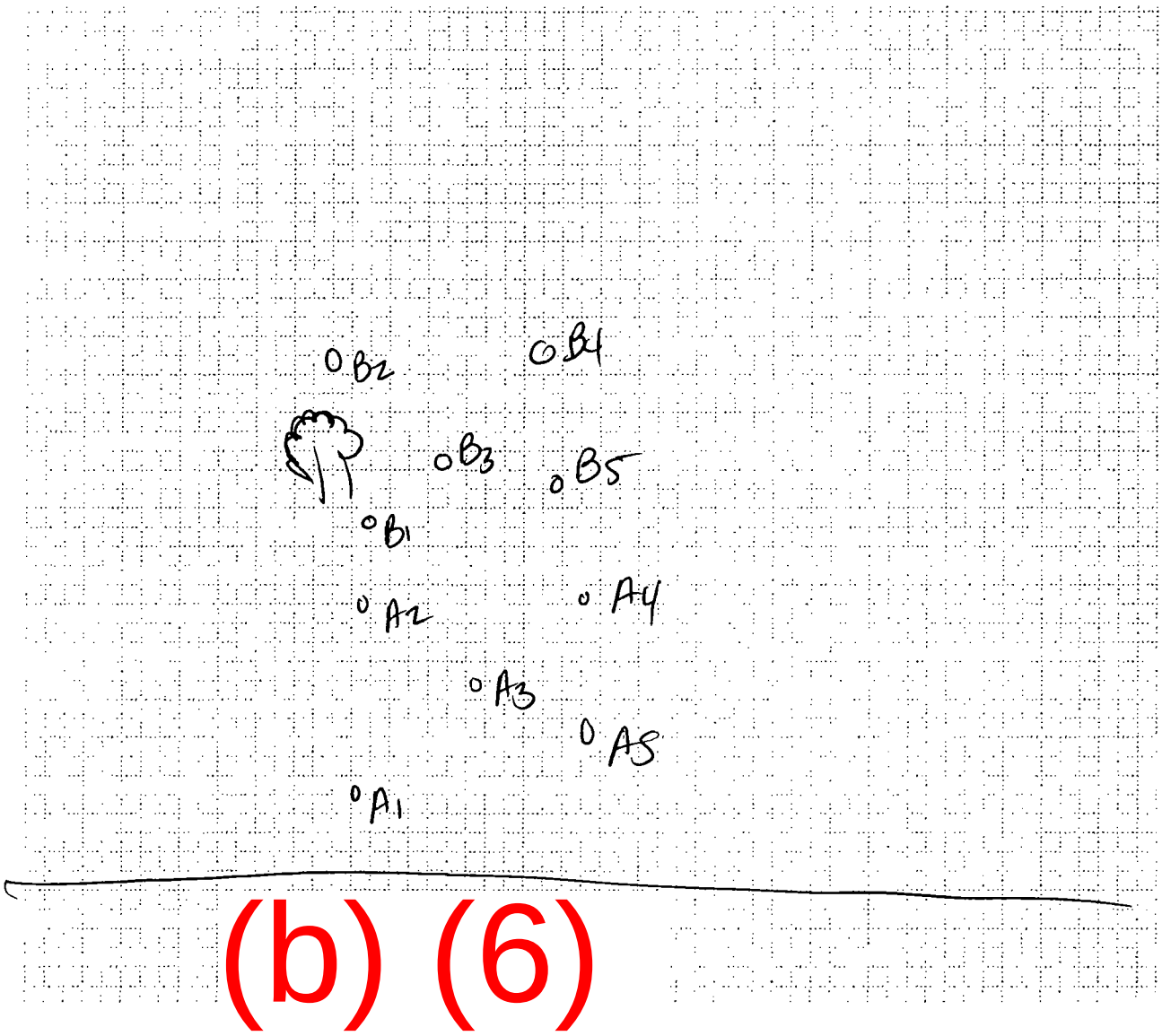
Sunny, 68°F

PROPERTY COMMENTS:

vacant lot

w/ (b) (6) legal team

Grid for property sketch



STATION ID: HP0093A SAMPLE ID: HP0093A-CS-SP

SAMPLE COLLECTION TIME: 1451

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: HP0093A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56489377 N *Longitude* 86.79465935 W

Media description: Dk brun Silt

Aliquot #2 *Latitude:* 33.56480878 N *Longitude* 86.79465305 W

Media description: DK brun Silt

Aliquot #3: *Latitude:* 33.56484579 N *Longitude* 86.79469917 W

Media description: DK brun Silt

Aliquot #4: *Latitude:* 33.56479994 N *Longitude* 86.79473661 W

Media description: DK brun Silt

Aliquot #5: *Latitude:* 33.56491317 N *Longitude* 86.79472976 W

Media description: DK brun Silt

STATION ID: HP0093B SAMPLE ID: HP0093B-CS-SP

SAMPLE COLLECTION TIME: 1455

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: HP0093B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56471395 N *Longitude* 86.79464838 W

Media description:

Aliquot #2 *Latitude:* 33.56457766 N *Longitude* 86.79465440 W

Media description:

Aliquot #3: *Latitude:* 33.56467472 N *Longitude* 86.79469495 W

Media description:

Aliquot #4: *Latitude:* 33.56459969 N *Longitude* 86.79473800 W

Media description: DK brun silt w/ minor gravel & coal fragments

Aliquot #5: *Latitude:* 33.56472490 N *Longitude* 86.79473971 W

Media description:

ADDRESS: (b) (6) PROPERTY ID: HP0098

DATE: 1/28/12 ARRIVAL TIME: 1530

Other pertinent information (weather conditions, etc.):

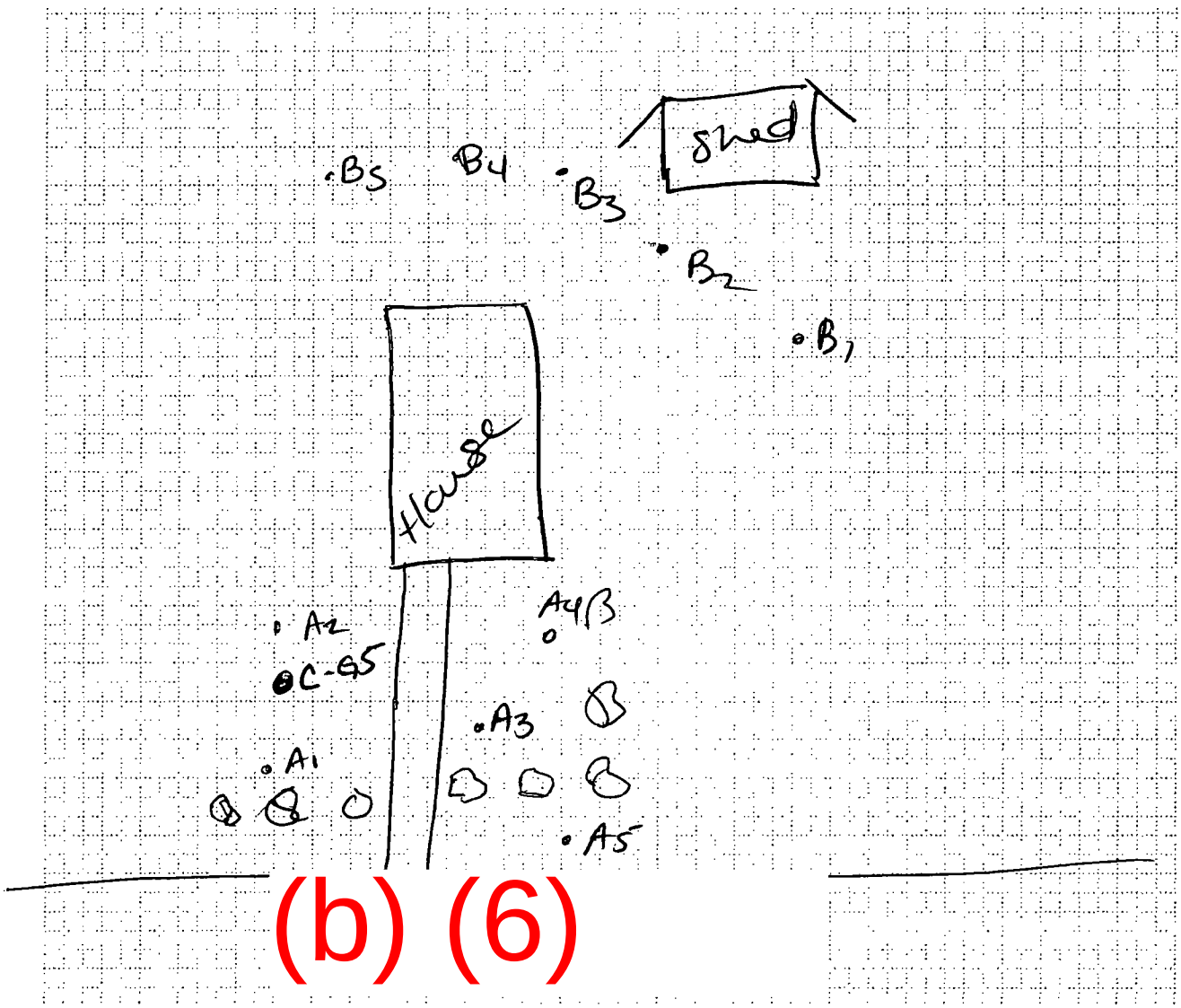
67°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: HP0098A SAMPLE ID: HP0098A-CS-SP

SAMPLE COLLECTION TIME: 1538

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: HP0098A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56502580 N *Longitude* 86.79434562 W

Media description: DK brun/blk silt w/ coal fragments

Aliquot #2 *Latitude:* 33.56505961 N *Longitude* 86.79435318 W

Media description: DK brun/blk silt w/ coal fragments

Aliquot #3: *Latitude:* 33.56505023 N *Longitude* 86.79429097 W

Media description: DK brun/blk silt w/ coal fragments

Aliquot #4: *Latitude:* 33.56506449 N *Longitude* 86.79427643 W

Media description: DK brun/blk silt w/ coal fragments

Aliquot #5: *Latitude:* 33.56500966 N *Longitude* 86.79428412 W

Media description: DK brun silt

STATION ID: HP0098B SAMPLE ID: HP0098B-CS-SP

SAMPLE COLLECTION TIME: 1541

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

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

Field Duplicate or Split: Yes or No *If yes, indicate* Duplicate/split sample station ID: HP0098B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56523617 N *Longitude* 86.79423285 W

Media description: DK brun silt w/ coal fragments

Aliquot #2 *Latitude:* 33.56531700 N *Longitude* 86.79423278 W

Media description: DK brun silt w/ coal fragments

Aliquot #3: *Latitude:* 33.56534747 N *Longitude* 86.79427121 W

Media description: DK brun silt w/ coal fragments

Aliquot #4: *Latitude:* 33.56537052 N *Longitude* 86.79430220 W

Media description: DK brun silt

Aliquot #5: *Latitude:* 33.56536825 N *Longitude* 86.79434551 W

Media description: DK brun silt

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

See page 12
Brittney Brown
4/28/13

STATION ID: HP0098C **SAMPLE ID:** HP0098C-GS-SP

SAMPLE COLLECTION TIME: 1545

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:** HP0098C

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.565073 47 N *Longitude* 86.79434079 W

Media description: DK brun silt w/ gravel

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

SAMPLE COLLECTION TIME: _____

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

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

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

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

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

ADDRESS: (b) (6) PROPERTY ID: CV0012

DATE: 1/29/13 ARRIVAL TIME: 0811

Other pertinent information (weather conditions, etc.):

62°F, Cloudy

PROPERTY COMMENTS:

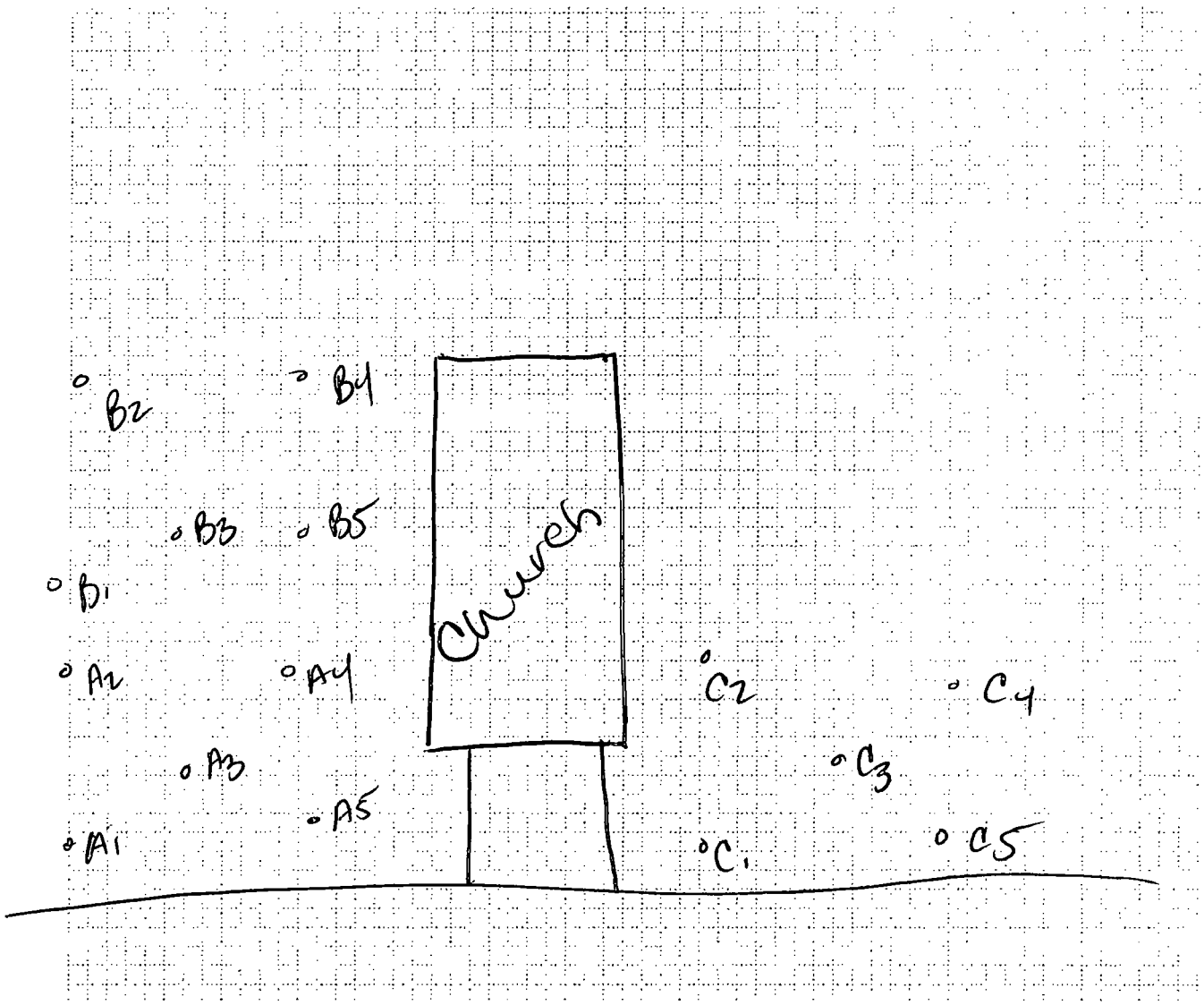
Church Resident

(b) (6) legal team

Sample CV0012D was mostly gravel

+ unable to ~~toca~~ collect sample

Grid for property sketch



STATION ID: CV0012A SAMPLE ID: CV0012A-CS-SP

SAMPLE COLLECTION TIME: 0827

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: CV0012A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55812482 N *Longitude* 86.80746950 W

Media description: brwn silt w/ coal & gravel followed by orange clay

Aliquot #2 *Latitude:* 33.55811867 N *Longitude* 86.80736925 W

Media description: brwn silt w/ coal & gravel followed by orange clay

Aliquot #3: *Latitude:* 33.55801822 N *Longitude* 86.80741986 W

Media description: same as previous

Aliquot #4: *Latitude:* 33.55794730 N *Longitude* 86.80737193 W

Media description: same as previous

Aliquot #5: *Latitude:* 33.55792952 N *Longitude* 86.80746241 W

Media description: same as previous

STATION ID: CV0012B SAMPLE ID: CV0012B-CS-SP

SAMPLE COLLECTION TIME: 0832

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: CV0012B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55812061 N *Longitude* 86.80731505 W

Media description: DK brwn/blk silt w/ coal

Aliquot #2 *Latitude:* 33.55811631 N *Longitude* 86.80721375 W

Media description: Brwn/orange clay w/ coal fragments

Aliquot #3: *Latitude:* 33.55801585 N *Longitude* 86.80727819 W

Media description: DK brwn silt

Aliquot #4: *Latitude:* 33.55794448 N *Longitude* 86.80722584 W

Media description: DK brwn silt w/ coal fragments

Aliquot #5: *Latitude:* 33.55794060 N *Longitude* 86.80731315 W

Media description: DK brwn silt w/ coal fragments

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

See page 16 Brittney Brown 1/29/13

STATION ID: CV0012C SAMPLE ID: CV0012C-CS-SP

SAMPLE COLLECTION TIME: 0845

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: CV0012C

GPS Coordinates: Trimble [ ] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55749288 N *Longitude* 86.80745699 W

Media description: Dk brun silt w/ gravel & coal

Aliquot #2 *Latitude:* 33.55748757 N *Longitude* 86.80734135 W

Media description: thin layer of dk brun silt followed by gravel

Aliquot #3: *Latitude:* 33.55739756 N *Longitude* 86.80741000 W

Media description: same as previous

Aliquot #4: *Latitude:* 33.55732339 N *Longitude* 86.80734511 W

Media description: same as previous

Aliquot #5: *Latitude:* 33.55732595 N *Longitude* 86.80748530 W

Media description: same as previous

STATION ID: CV0012D SAMPLE ID: CV0012D-CS-SP

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: CV0012D

GPS Coordinates: Trimble [ ] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55740358 N *Longitude* 86.80728987 W

Media description:

Aliquot #2 *Latitude:* 33.55740656 N *Longitude* 86.80721660 W

Media description:

Aliquot #3: *Latitude:* 33.55731921 N *Longitude* 86.80724207 W

Media description:

Aliquot #4: *Latitude:* 33.55719915 N *Longitude* 86.80720781 W

Media description:

Aliquot #5: *Latitude:* 33.55719394 N *Longitude* 86.80729486 W

Media description:

ADDRESS: (b) (6) PROPERTY ID: CV0521

DATE: 1/29/13 ARRIVAL TIME: 0912

Other pertinent information (weather conditions, etc.):

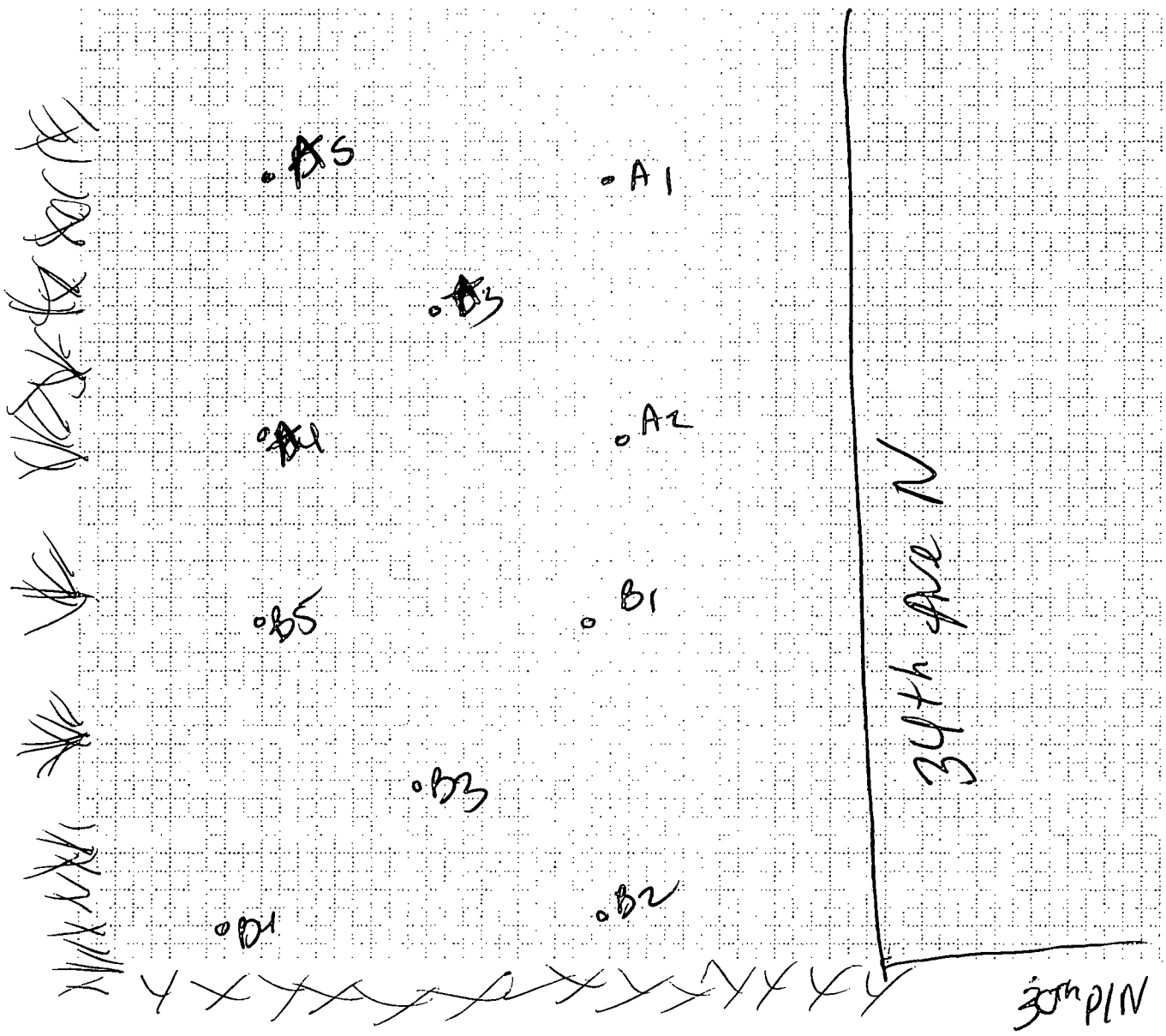
62°F, Cloudy

PROPERTY COMMENTS:

vacant lot

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CVOS21A SAMPLE ID: CVOS21A-CS-SP

SAMPLE COLLECTION TIME: 0922

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: CVOS21A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.5582828 N *Longitude* 86.80720356 W

Media description: DK brun silt w/ gravel & coal fragments

Aliquot #2 *Latitude:* 33.55833151 N *Longitude* 86.80734934 W

Media description: ~~DK~~ brun silt

Aliquot #3: *Latitude:* 33.55837290 N *Longitude* 86.80731544 W

Media description: brun silt

Aliquot #4: *Latitude:* 33.55841728 N *Longitude* 86.80735273 W

Media description: brun silt

Aliquot #5: *Latitude:* 33.55841253 N *Longitude* 86.80720143 W

Media description: brun silt

STATION ID: CVOS21B SAMPLE ID: CVOS21B-CS-SP

SAMPLE COLLECTION TIME: 0929

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: CVOS21B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55832667 N *Longitude* 86.80740662 W

Media description: DK brun silt w/ coal fragments

Aliquot #2 *Latitude:* 33.55833591 N *Longitude* 86.80754692 W

Media description: DK brun silt w/ coal fragments

Aliquot #3: *Latitude:* 33.55838690 N *Longitude* 86.80747344 W

Media description: DK brun silt w/ coal fragments

Aliquot #4: *Latitude:* 33.55842624 N *Longitude* 86.80753127 W

Media description: brun/orange clay w/ gravel

Aliquot #5: *Latitude:* 33.55841844 N *Longitude* 86.80741055 W

Media description: DK brun silt w/ coal fragments

ADDRESS: (b) (6) PROPERTY ID: CVQ523

DATE: 1/29/13 ARRIVAL TIME: 0945

Other pertinent information (weather conditions, etc.):

62°F, Cloudy

PROPERTY COMMENTS:

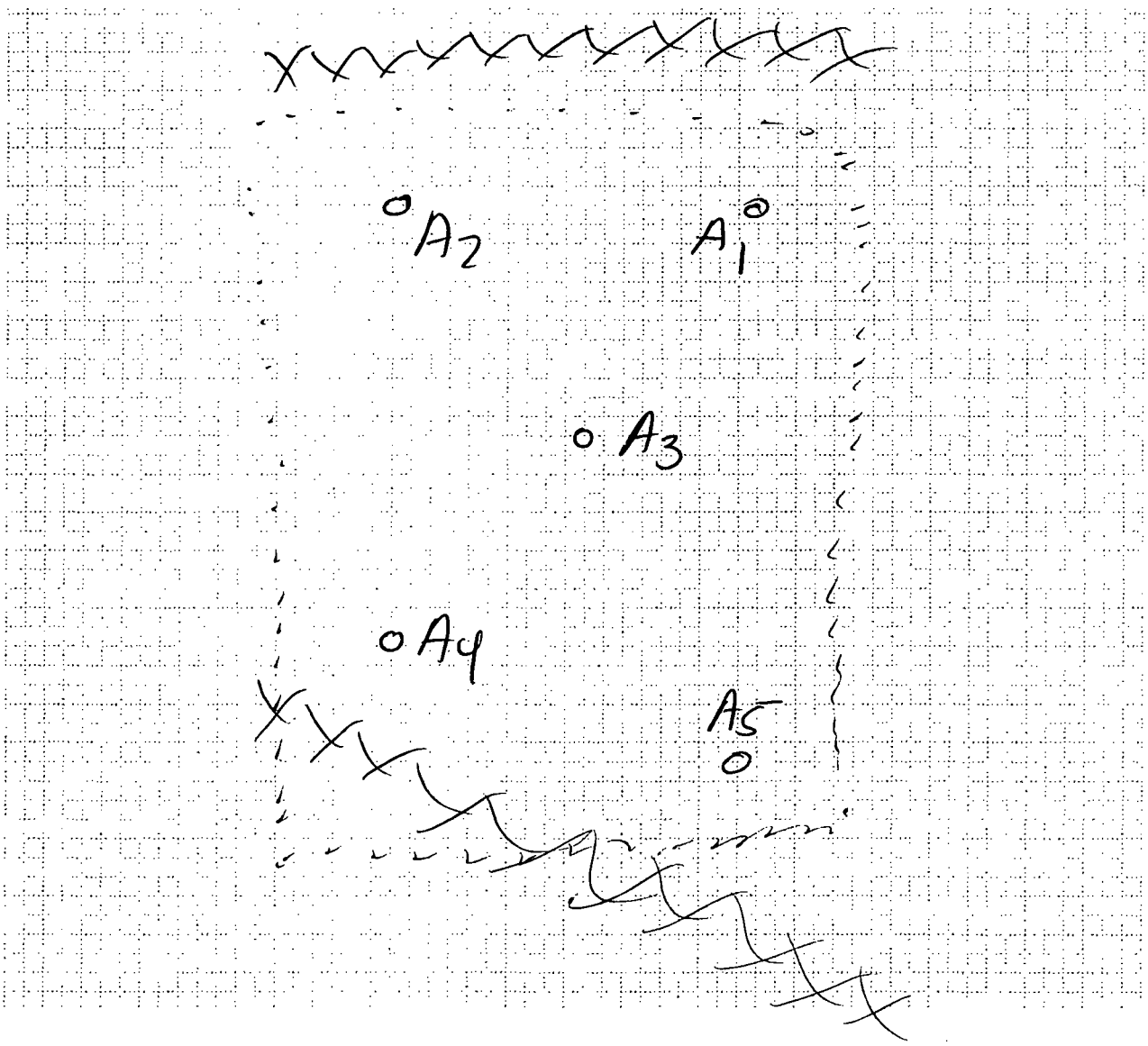
Vacant lot

w/ (b) (6) legal team

Overgrown w/ tall weed

there is a mant of soil in the NE corner

Grid for property sketch



STATION ID: CVOS23A **SAMPLE ID:** CVOS23A-CS-SP

SAMPLE COLLECTION TIME: 0957

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:** CVOS23A

GPS Coordinates: Trimble [✓] Instrument #: 918594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55868147 N *Longitude* 86.80716797 W

Media description: Dk brwn silt w/ broken glass

Aliquot #2 *Latitude:* 33.55877030 N *Longitude* 86.80717889 W

Media description: DK brwn silt w/ broken glass

Aliquot #3: *Latitude:* 33.55870984 N *Longitude* 86.80722955 W

Media description: DK brwn silt

Aliquot #4: *Latitude:* 33.55875112 N *Longitude* 86.80733947 W

Media description: DK brwn silt w/ broken glass

Aliquot #5: *Latitude:* 33.55866822 N *Longitude* 86.80734941 W

Media description: DK brwn silt w/ broken glass

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: CV0317

DATE: 1/29/13 ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

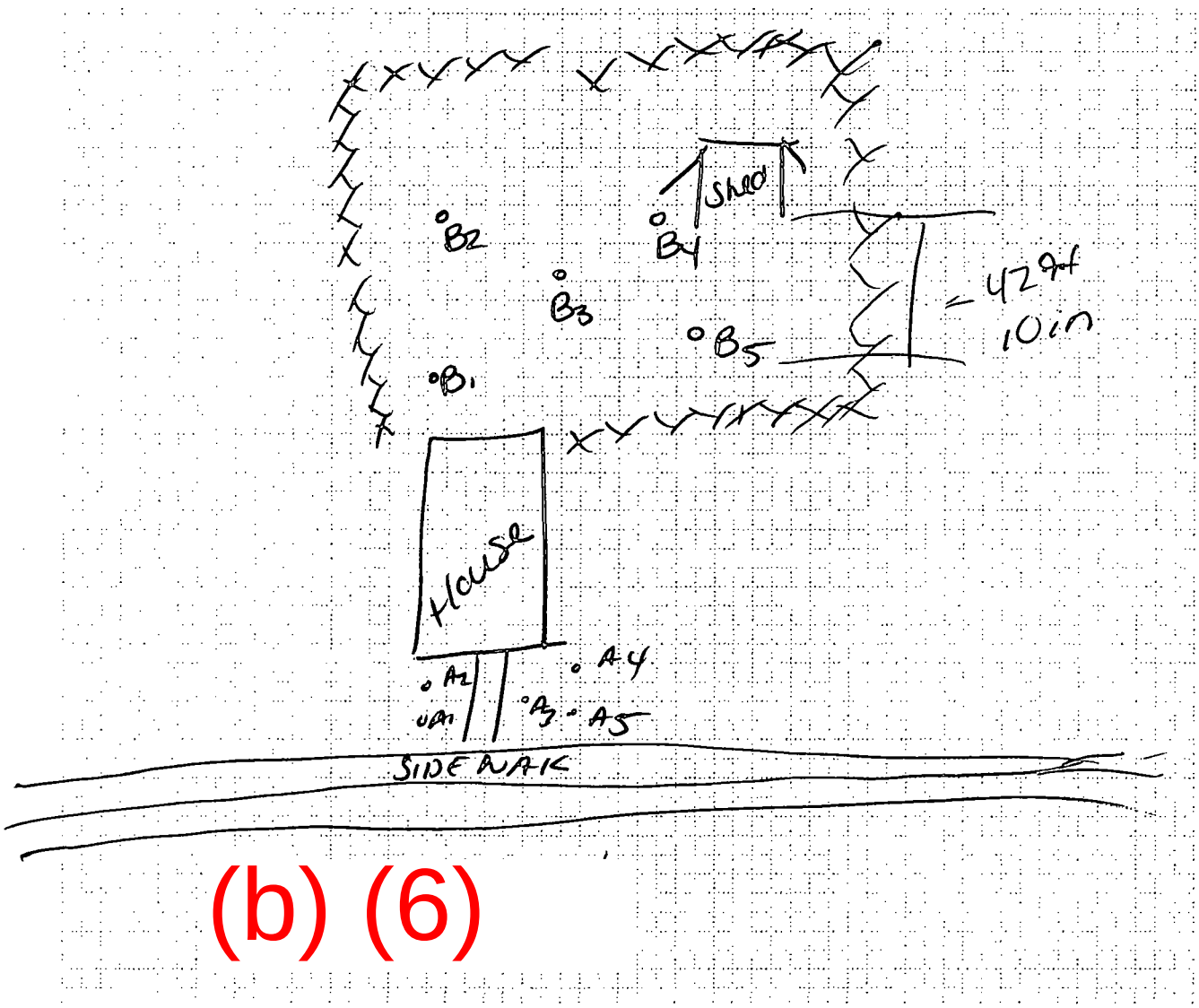
65°F, Cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0317A SAMPLE ID: CV0317A-CS-SP

SAMPLE COLLECTION TIME: 1102

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: CV0317A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.556384469 N *Longitude* 86.808314443 W

Media description: DK brun silt

Aliquot #2 *Latitude:* 33.55642055 N *Longitude* 86.80831752 W

Media description: DK brun silt

Aliquot #3: *Latitude:* 33.55640137 N *Longitude* 86.80825501 W

Media description: DK brun silt

Aliquot #4: *Latitude:* 33.556427165 N *Longitude* 86.80819837 W

Media description: DK brun silt

Aliquot #5: *Latitude:* 33.55638348 N *Longitude* 86.80820465 W

Media description: DK brun silt

STATION ID: CV0317B SAMPLE ID: CV0317B CS-SP

SAMPLE COLLECTION TIME: 1107

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: CV0317B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55656755 N *Longitude* 86.80830345 W

Media description: brun silt w/ gravel & coal fragments

Aliquot #2 *Latitude:* 33.55664782 N *Longitude* 86.80831076 W

Media description: brun silt w/ gravel & coal fragments

Aliquot #3: *Latitude:* 33.55661602 N *Longitude* 86.80827690 W

Media description: brun silt w/ gravel & coal fragments

Aliquot #4: *Latitude:* 33.55664491 N *Longitude* 86.80823107 W

Media description: blk silt w/ gravel

Aliquot #5: *Latitude:* 33.55658079 N *Longitude* 86.80821592 W

Media description: blk silt w/ gravel

ADDRESS: (b) (6)

PROPERTY ID: CN0629

DATE: 1/29/13

ARRIVAL TIME: 1124

Other pertinent information (weather conditions, etc.):

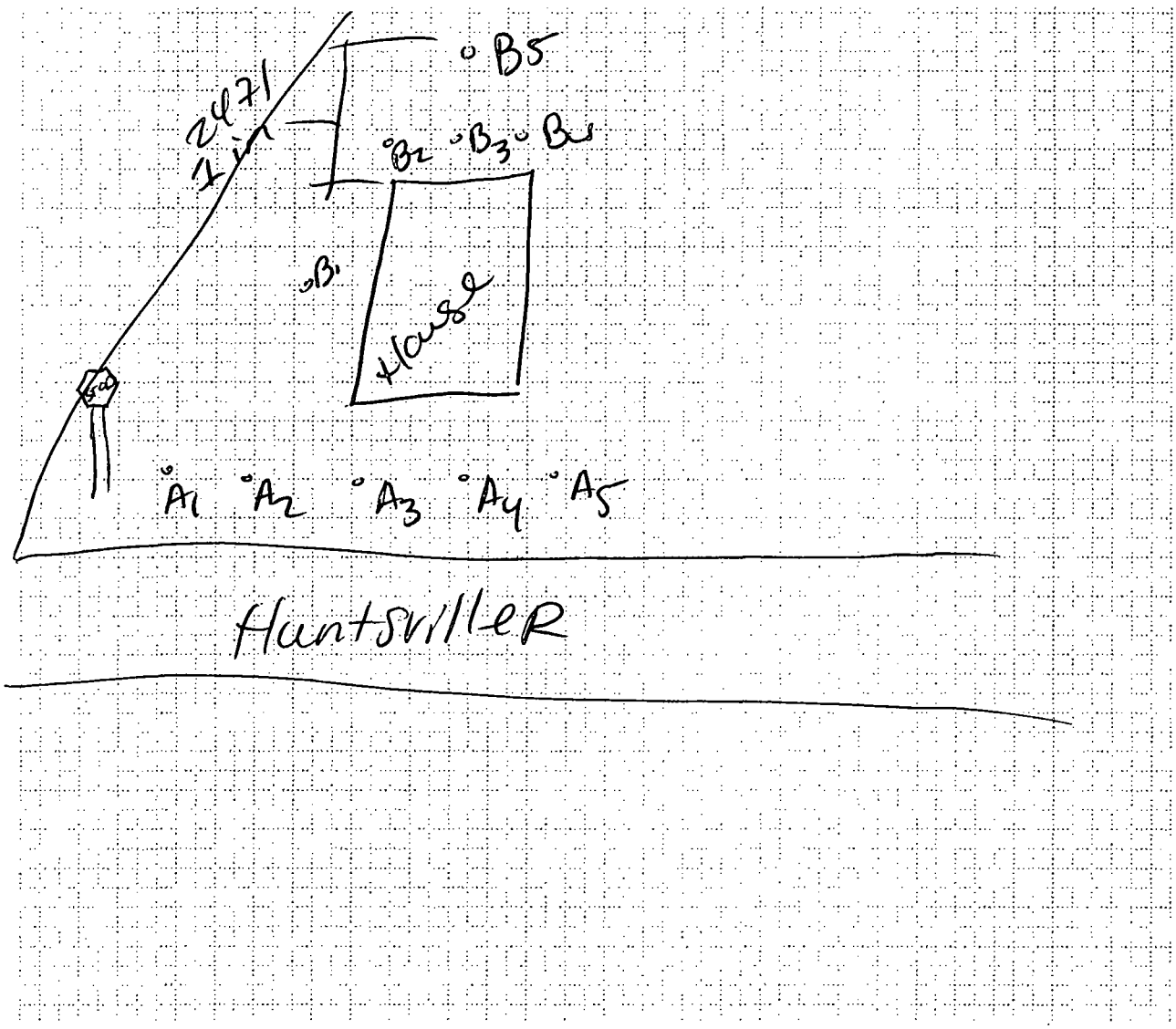
65°F, Cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0629A SAMPLE ID: CV0629A-CS-SP

SAMPLE COLLECTION TIME: 1130

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: CV0629A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55761101 N *Longitude* 86.80295506 W

Media description: DK brun/blk silt

Aliquot #2 *Latitude:* 33.55762800 N *Longitude* 86.80292109 W

Media description: DK brun/blk silt ~~DK brun silt w/ gravel + coal fragments~~ BB 1/29/13

Aliquot #3: *Latitude:* 33.55765987 N *Longitude* 86.80287391 W

Media description: same as previous

Aliquot #4: *Latitude:* 33.55768593 N *Longitude* 86.80283496 W

Media description: same as previous

Aliquot #5: *Latitude:* 33.55770992 N *Longitude* 86.80280401 W

Media description: same as previous

STATION ID: CV0629B SAMPLE ID: CV0629B-CS-SP

SAMPLE COLLECTION TIME: 1134

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: CV0629B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55770561 N *Longitude* 86.80300362 W

Media description: DK brun/blk silt

Aliquot #2 *Latitude:* 33.55780600 N *Longitude* 86.80300537 W

Media description: DK brun silt w/ gravel + coal fragments

Aliquot #3: *Latitude:* 33.55782681 N *Longitude* 86.80298482 W

Media description: same as previous

Aliquot #4: *Latitude:* 33.55784749 N *Longitude* 86.80296839 W

Media description: same as previous

Aliquot #5: *Latitude:* 33.55785241 N *Longitude* 86.80300956 W

Media description: same as previous

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0599

DATE: 1/29/13 BB 1/29/13 ARRIVAL TIME: 1313

Other pertinent information (weather conditions, etc.):

63°F, Cloudy

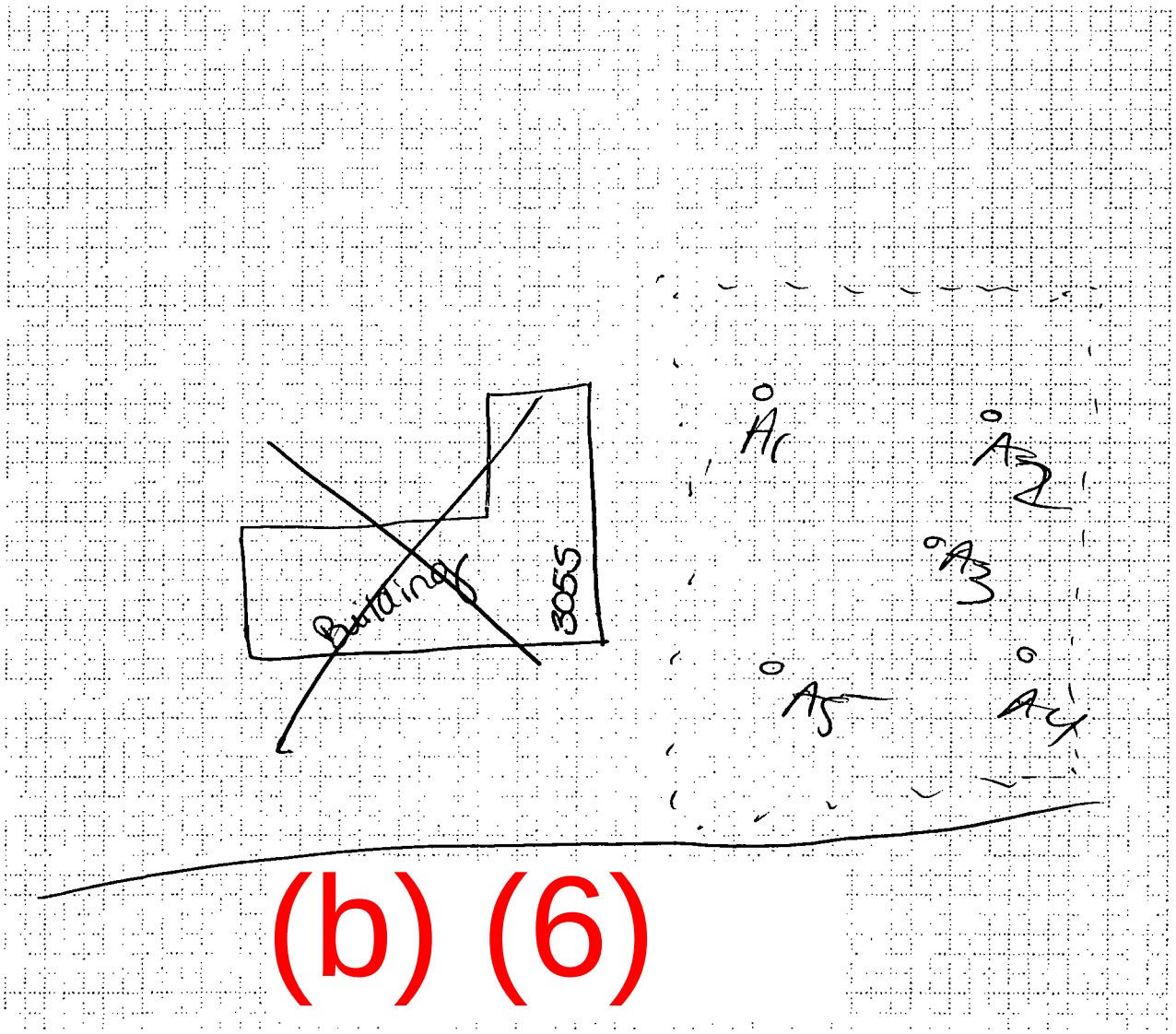
PROPERTY COMMENTS:

BB 1/29/13 ~~Commerical Property B+D Automotive~~

(b) (6) legal team

vacant lot

Grid for property sketch



(b) (6)

STATION ID: CV0599A **SAMPLE ID:** CV0599A-CS-SP

SAMPLE COLLECTION TIME: 1355

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

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

Field Duplicate or Split: *Yes or No* *If yes, indicate* **Duplicate/split sample station ID:** CV0597A

GPS Coordinates: Trimble [ ] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56077463 N *Longitude* 86.80452687 W

Media description: Half inch BLK silt followed by tan/orange clay

Aliquot #2 *Latitude:* 33.56077203 N *Longitude* 86.80475386 W

Media description: Brwn silt 2in followed by tan/orange clay

Aliquot #3: *Latitude:* 33.56081063 N *Longitude* 86.80463949 W

Media description: Half inch BLK silt followed by tan/orange clay

Aliquot #4: *Latitude:* 33.56086707 N *Longitude* 86.80476948 W

Media description: Brwn silty clay w/ coal fragments

Aliquot #5: *Latitude:* 33.56089186 N *Longitude* 86.80457068 W

Media description: Half inch BLK silt followed by tan/orange 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: _____

ADDRESS: (b) (6) PROPERTY ID: CV0598

DATE: 1/29/ ARRIVAL TIME: 1410

Other pertinent information (weather conditions, etc.):

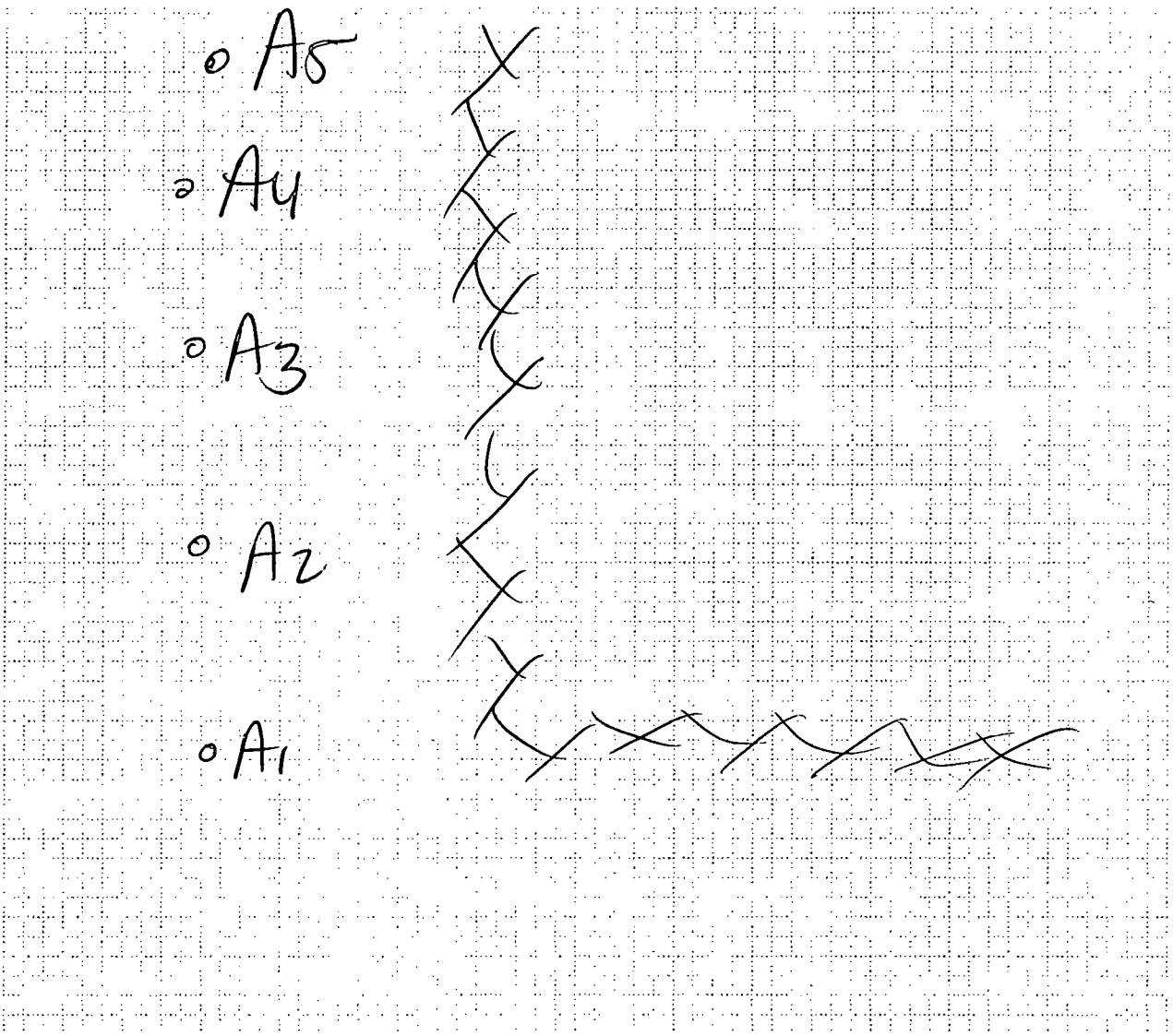
68°F Partially cloudy

PROPERTY COMMENTS:

Side Yard of B+D Automotive

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0598A SAMPLE ID: CV0598A-CS-SP

SAMPLE COLLECTION TIME: 1420

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: CV0598A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55716087 N *Longitude* 86.80771123 W

Media description: brun clay silt

Aliquot #2 *Latitude:* 33.55715370 N *Longitude* 86.80785085 W

Media description: brun clay silt

Aliquot #3: *Latitude:* 33.55714010 N *Longitude* 86.80796518 W

Media description: brun clay silt

Aliquot #4: *Latitude:* 33.55712910 N *Longitude* 86.80808777 W

Media description: brun clay silt

Aliquot #5: *Latitude:* 33.55714216 N *Longitude* 86.80821595 W

Media description: brun clay silt

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

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

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

(b) (6)

ADDRESS: _____ PROPERTY ID: CV 0687

DATE: 1/29/13 ARRIVAL TIME: ~~1445~~ 1434

BB 1/29/13

Other pertinent information (weather conditions, etc.):

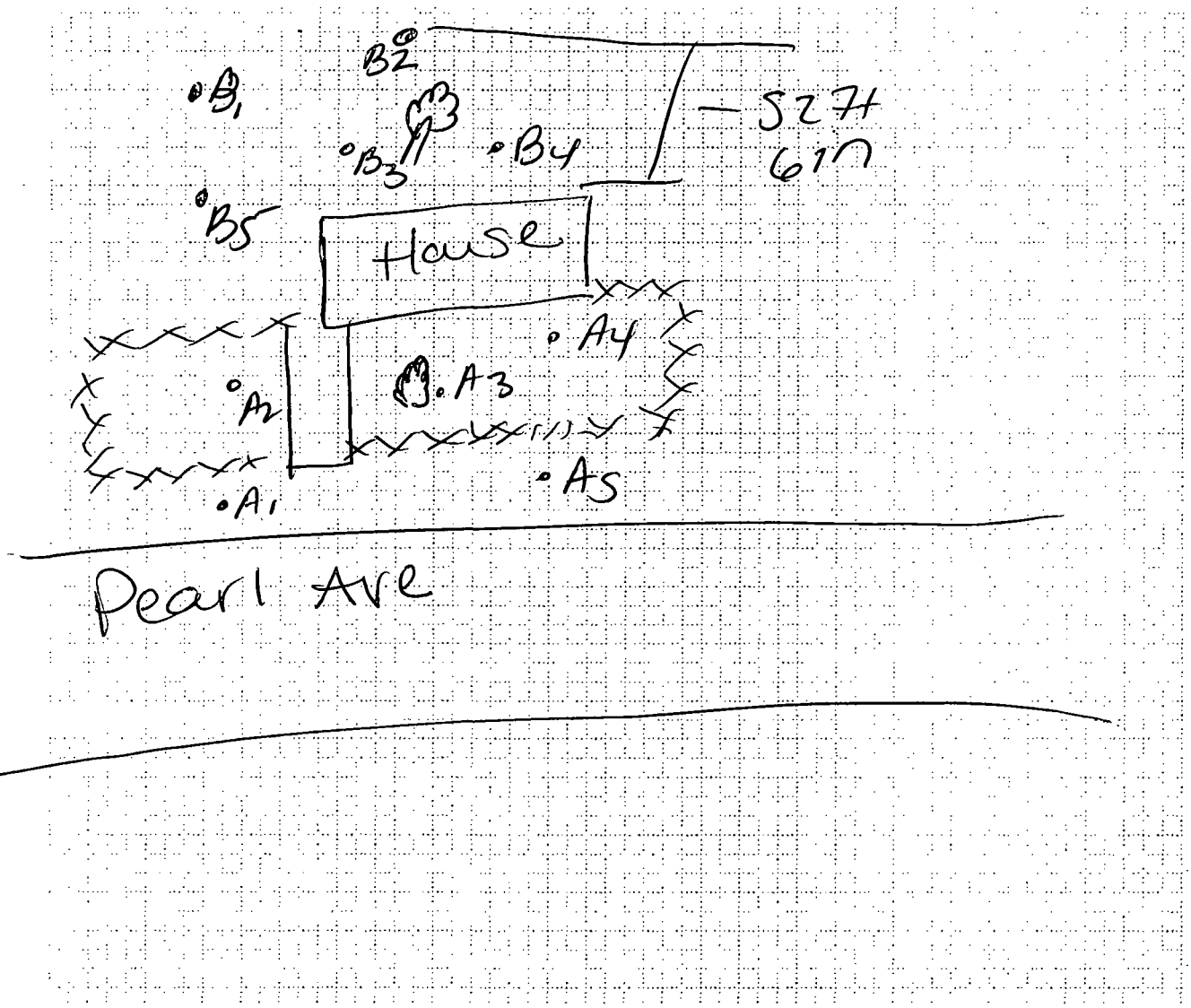
68°F, Partially Cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0687A SAMPLE ID: CV0687A-CS-SP

SAMPLE COLLECTION TIME: ~~1445~~ 1451 6/4/2013

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: CV0687A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55925690 N *Longitude* 86.80302670 W

Media description: DK brun silt w/ small gravel

Aliquot #2 *Latitude:* 33.55932528 N *Longitude* 86.80299696 W

Media description: brun silty clay

Aliquot #3: *Latitude:* 33.55928518 N *Longitude* 86.80298286 W

Media description: brun silty clay

Aliquot #4: *Latitude:* 33.55924837 N *Longitude* 86.80294884 W

Media description: DK brun silt

Aliquot #5: *Latitude:* 33.55921801 N *Longitude* 86.80299724 W

Media description: DK brun silt w/ small gravel

STATION ID: CV0687B SAMPLE ID: CV0687B-CS-SP

SAMPLE COLLECTION TIME: ~~1451~~ 1445 6/4/2013

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: CV0687B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55907764 N *Longitude* 86.80284429 W

Media description: DK brun silt dry

Aliquot #2 *Latitude:* 33.55914100 N *Longitude* 86.80287913 W

Media description: DK brun silt dry

Aliquot #3: *Latitude:* 33.55916018 N *Longitude* 86.80282665 W

Media description: DK brun silt dry

Aliquot #4: *Latitude:* 33.55920788 N *Longitude* 86.80282812 W

Media description: DK brun silt dry

Aliquot #5: *Latitude:* 33.55916078 N *Longitude* 86.80276563 W

Media description: DK brun silt dry

ADDRESS: (b) (6)

PROPERTY ID: FM0292

DATE: 1/29/13

ARRIVAL TIME: 1525

Other pertinent information (weather conditions, etc.):

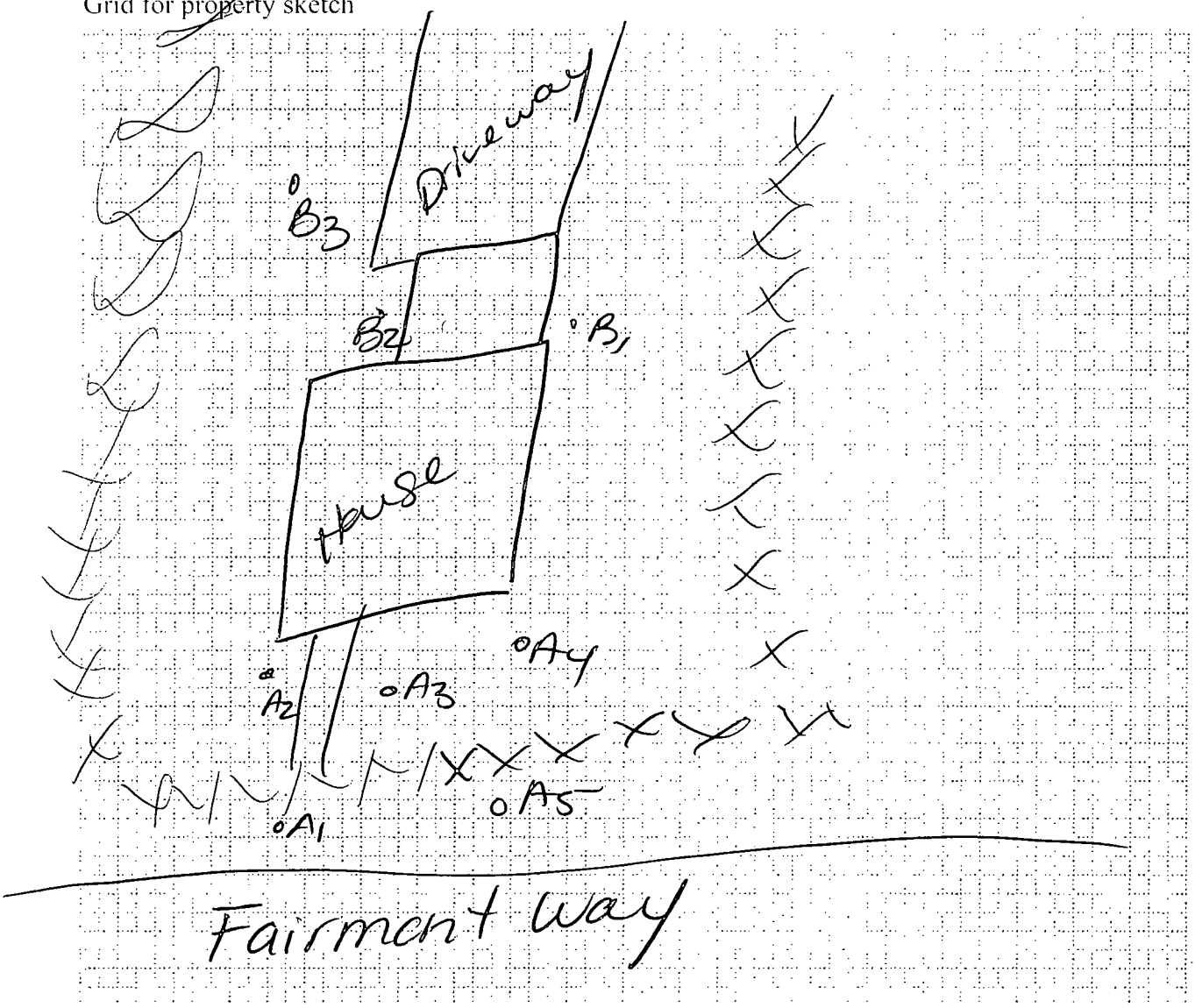
67°F, Partially cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: FM0292A **SAMPLE ID:** FM0292A-CS-SP

SAMPLE COLLECTION TIME: 1536

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:** FM0292A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56591490 N *Longitude* 86.81256345 W

Media description: Brun/tan silty clay w/ gravel

Aliquot #2 *Latitude:* 33.56589963 N *Longitude* 86.81250911 W

Media description: Brun/tan silty clay

Aliquot #3: *Latitude:* 33.56587202 N *Longitude* 86.81252933 W

Media description: Brun/tan silty clay

Aliquot #4: *Latitude:* 33.56583763 N *Longitude* 86.81251130 W

Media description: DK brun silt

Aliquot #5: *Latitude:* 33.56584447 N *Longitude* 86.81256587 W

Media description: DK brun silt

STATION ID: FM0292B **SAMPLE ID:** FM0292B-CS-SP

SAMPLE COLLECTION TIME: 1539

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:** FM0292B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.56582297 N *Longitude* 86.81228465 W

Media description: DK brun silt

Aliquot #2 *Latitude:* 33.56584903 N *Longitude* 86.81224148 W

Media description: DK brun silt

Aliquot #3: *Latitude:* 33.56588904 N *Longitude* 86.81216884 W

Media description: Brun silt followed by tan clay

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

Media description:

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

Media description:

ADDRESS: (b) (6) PROPERTY ID: CV0312

DATE: 1/31/13 ARRIVAL TIME: 0838

Other pertinent information (weather conditions, etc.):

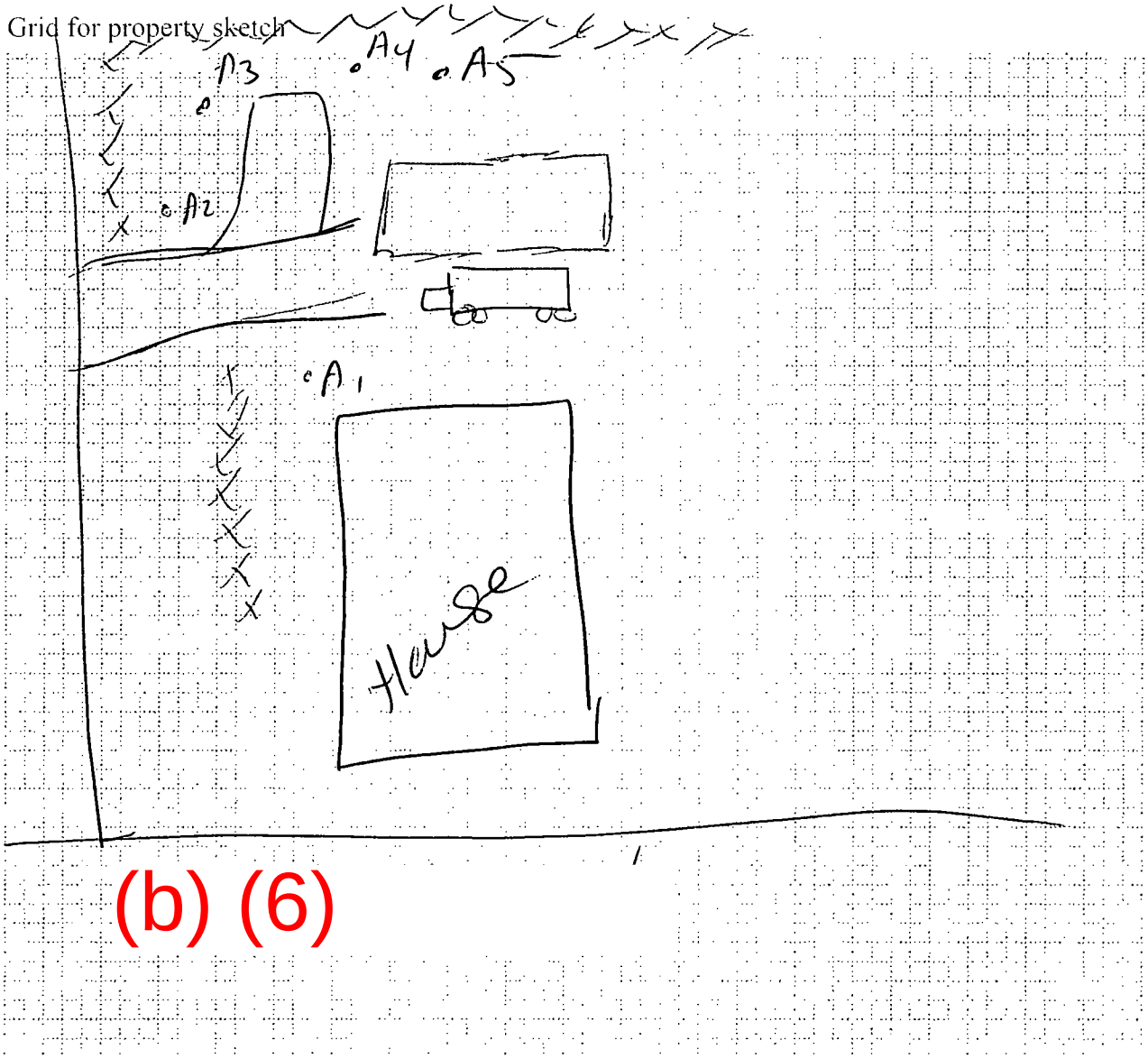
37°F, ~~cloudy~~/sunny

PROPERTY COMMENTS: BB 1/31/13

Resident Home

w/ (b) (6) legal attorney team

Grid for property sketch



STATION ID: CV0312A **SAMPLE ID:** CV0312A-CS-SP

SAMPLE COLLECTION TIME: 0846

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:** CV0312A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55498253 N *Longitude* 86.79629674 W

Media description: DK brwn silt

Aliquot #2 *Latitude:* 33.55492513 N *Longitude* 86.79630102 W

Media description: DK brwn silt

Aliquot #3: *Latitude:* 33.55486729 N *Longitude* 86.79631984 W

Media description: DK brwn silt w/ coal fragments

Aliquot #4: *Latitude:* 33.55485620 N *Longitude* 86.79634749 W

Media description: DK brwn silt w/ coal fragments

Aliquot #5: *Latitude:* 33.55486250 N *Longitude* 86.79641774 W

Media description: DK brwn silt w/ coal fragments

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: CVOSS1

DATE: 1/31/13 ARRIVAL TIME: 0908

Other pertinent information (weather conditions, etc.):

37°F, Sunny

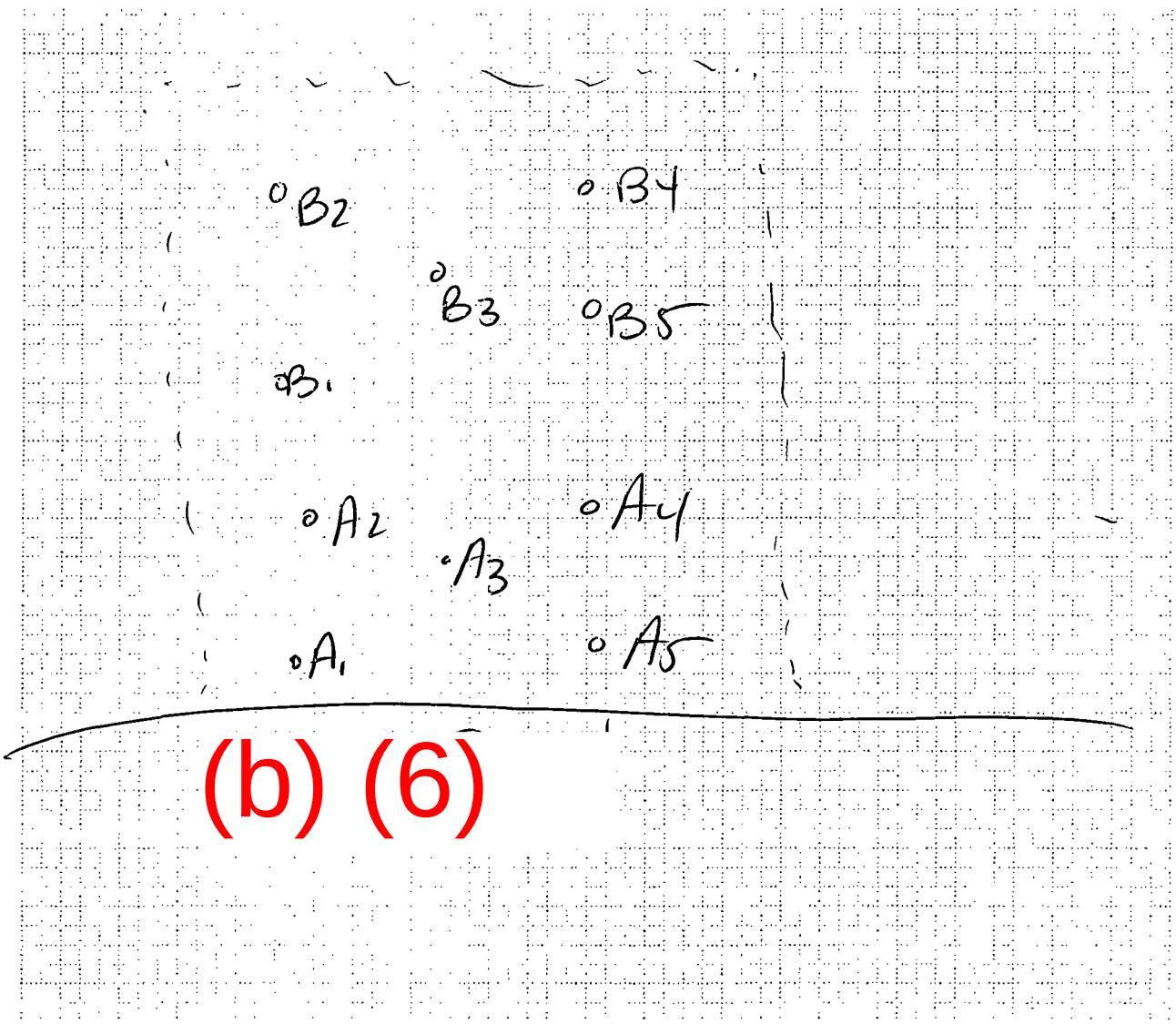
PROPERTY COMMENTS:

Vacant lot

(b) (6) legal team

(b) (6) (b) (6)

Grid for property sketch



STATION ID: CVOSSIA **SAMPLE ID:** CVOSSIA-CS-SP

SAMPLE COLLECTION TIME: 0920

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:** CVOSSIA

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55595192 N *Longitude* 86.79849879 W

Media description: Blk silt w/coal fragments moist

Aliquot #2 *Latitude:* 33.55594744 N *Longitude* 86.79859123 W

Media description: Blk silt moist

Aliquot #3: *Latitude:* 33.55597445 N *Longitude* 86.79855320 W

Media description: Brun silt w/gravel moist

Aliquot #4: *Latitude:* 33.55600774 N *Longitude* 86.79860431 W

Media description: Brun silt w/gravel moist

Aliquot #5: *Latitude:* 33.55598882 N *Longitude* 86.79848291 W

Media description: Brun silt w/gravel moist

STATION ID: CVOSSIB **SAMPLE ID:** CVOSSIB-CS-SP

SAMPLE COLLECTION TIME: 0928

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:** CVOSSIB

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55594339 N *Longitude* 86.79866475 W

Media description: tan silty clay w/coal fragment wet

Aliquot #2 *Latitude:* 33.55594874 N *Longitude* 86.79879940 W

Media description: Blk silt wet

Aliquot #3: *Latitude:* 33.55598931 N *Longitude* 86.79872144 W

Media description: Blk silt wet

Aliquot #4: *Latitude:* 33.55599299 N *Longitude* 86.79881312 W

Media description: Blk silt wet

Aliquot #5: *Latitude:* 33.55601171 N *Longitude* 86.79867542 W

Media description: Drun Brun silt very wet

ADDRESS: (b) (6) PROPERTY ID: CV0062

DATE: 1/31/13 ARRIVAL TIME: 0943

Other pertinent information (weather conditions, etc.):

40°F, Sunny

PROPERTY COMMENTS:

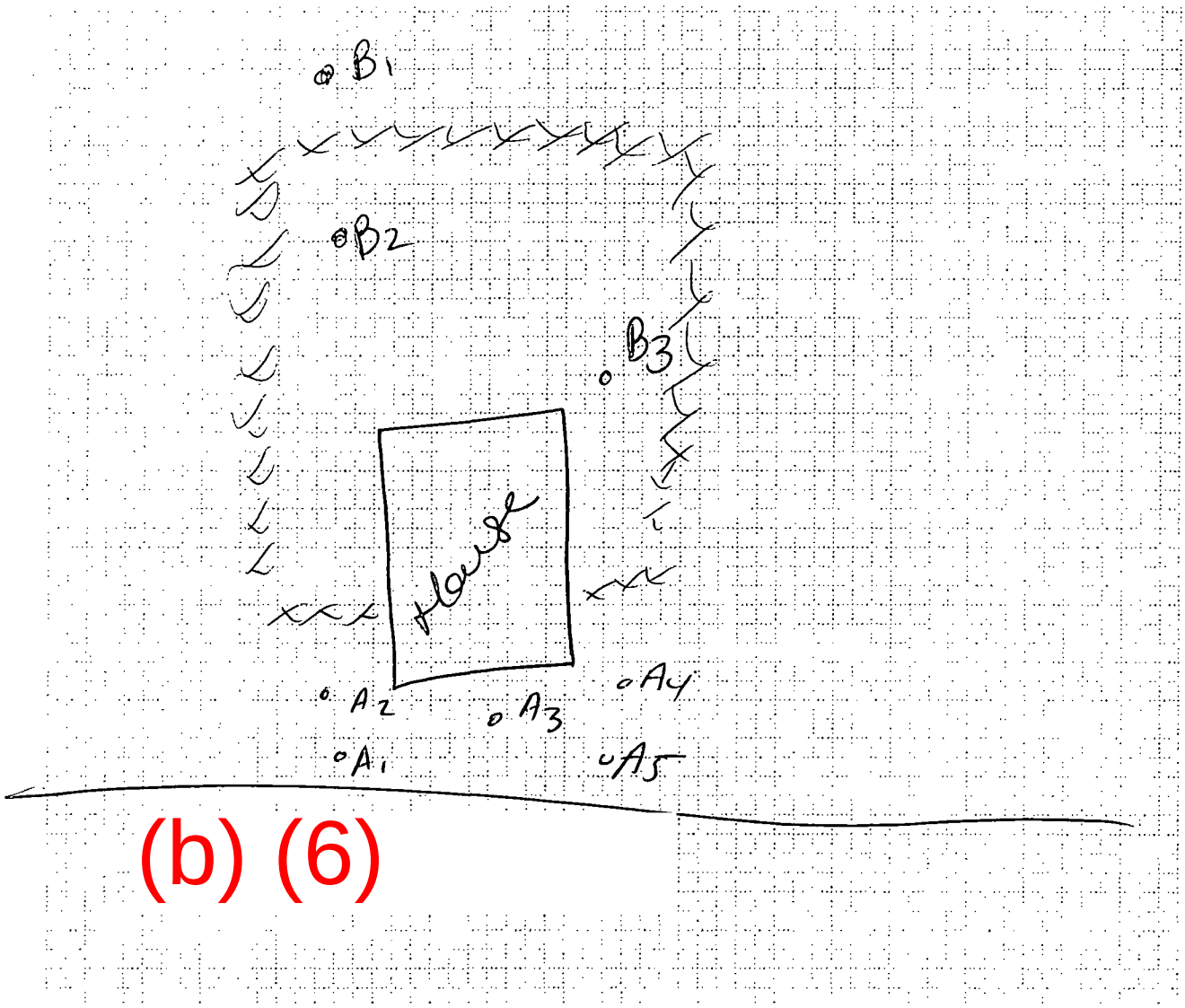
Resident Home

(b) (6) legal team

~~could not sample back yard~~

~~due to gravel~~ BB 1/31/13

Grid for property sketch



(b) (6)

STATION ID: CV0062A **SAMPLE ID:** CV0062A-CS-SP

SAMPLE COLLECTION TIME: 0950

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

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

Field Duplicate or Split: (Yes) or No *If yes, indicate* **Duplicate/split sample station ID:** CV0062A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55415323 N *Longitude* 86.80288069 W

Media description: DK brwn silt moist

Aliquot #2 *Latitude:* 33.55417412 N *Longitude* 86.80287896 W

Media description: DK brwn silt moist

Aliquot #3: *Latitude:* 33.55416860 N *Longitude* 86.80284686 W

Media description: DK brwn silt moist

Aliquot #4: *Latitude:* 33.55417838 N *Longitude* 86.80281603 W

Media description: DK brwn silt moist

Aliquot #5: *Latitude:* 33.55414849 N *Longitude* 86.80281453 W

Media description: DK brwn silt moist

STATION ID: CV0062B **SAMPLE ID:** CV0062B-CS-SP

SAMPLE COLLECTION TIME: 1008

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:** CV0062B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55447741 N *Longitude* 86.80285368 W

Media description: DK silt brwn w/ tan/orange clay + gravel

Aliquot #2 *Latitude:* 33.55442639 N *Longitude* 86.80287475 W

Media description: DK brwn silt moist

Aliquot #3: *Latitude:* 33.55437945 N *Longitude* 86.80281275 W

Media description: DK blk silt w/ gravel + coal moist

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

Media description:

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

Media description:

* CV0062B 3-point was sampled *

ADDRESS: (b) (6) PROPERTY ID: CV0285

DATE: 1/31/13 ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

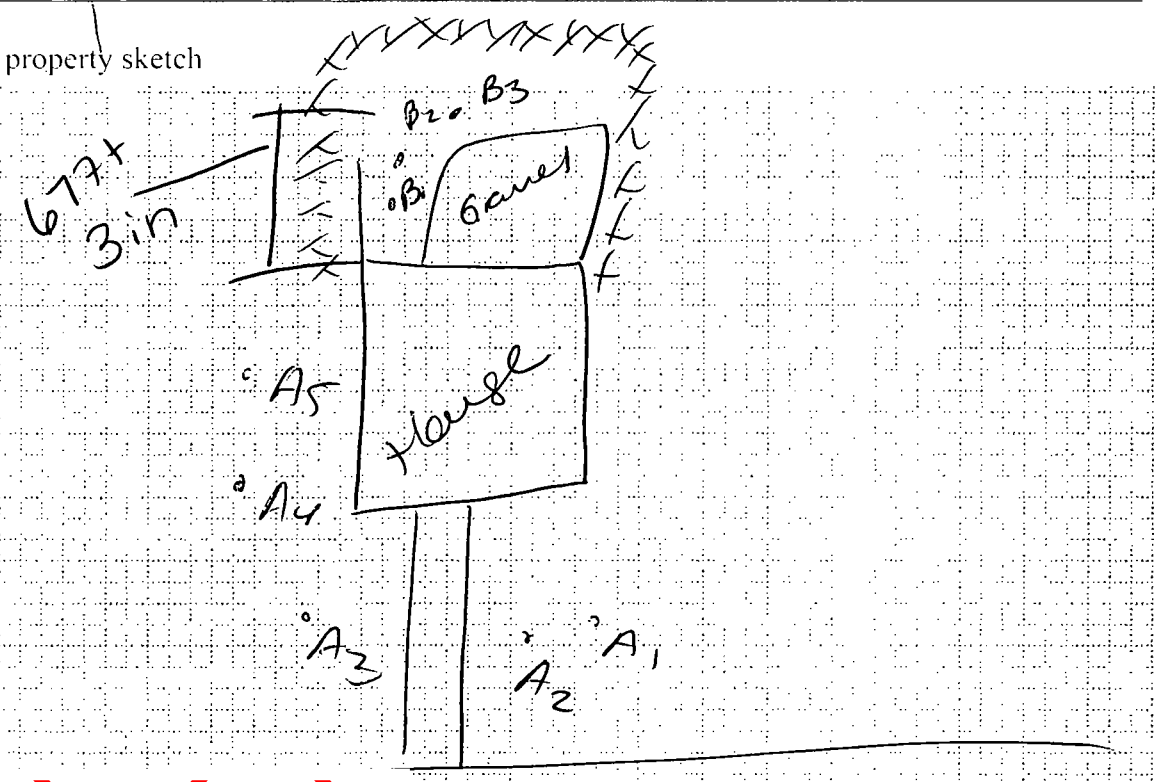
47°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: CV028SA SAMPLE ID: CV028SA-CS-SP

SAMPLE COLLECTION TIME: 1055

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

Front + Side YARD

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

Field Duplicate or Split: Yes or No *If yes, indicate* Duplicate/split sample station ID: CV028SA

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55557704 N *Longitude* 86.80370077 W

Media description: DK brun/blk silt

Aliquot #2 *Latitude:* 33.55559322 N *Longitude* 86.80374371 W

Media description: DK brun/blk silt

Aliquot #3: *Latitude:* 33.55559462 N *Longitude* 86.80382291 W

Media description: DK brun/blk silt

Aliquot #4: *Latitude:* 33.55564018 N *Longitude* 86.80383066 W

Media description: DK brun/blk silt

Aliquot #5: *Latitude:* 33.55570073 N *Longitude* 86.80381787 W

Media description: DK brun/blk silt

STATION ID: CV028SB SAMPLE ID: CV028SB-CS-SP

SAMPLE COLLECTION TIME: 1105

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: CV028SB

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55586259 N *Longitude* 86.80375037 W

Media description: DK brun/blk silt

Aliquot #2 *Latitude:* 33.55589289 N *Longitude* 86.80373372 W

Media description: DK brun/blk silt

Aliquot #3: *Latitude:* 33.55593262 N *Longitude* 86.80371429 W

Media description: DK brun/blk silt

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

Media description: _____

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

Media description: _____

ADDRES (b) (6) PROPERTY ID: CV04161

DATE: 1/31/13 ARRIVAL TIME: 1112

Other pertinent information (weather conditions, etc.):

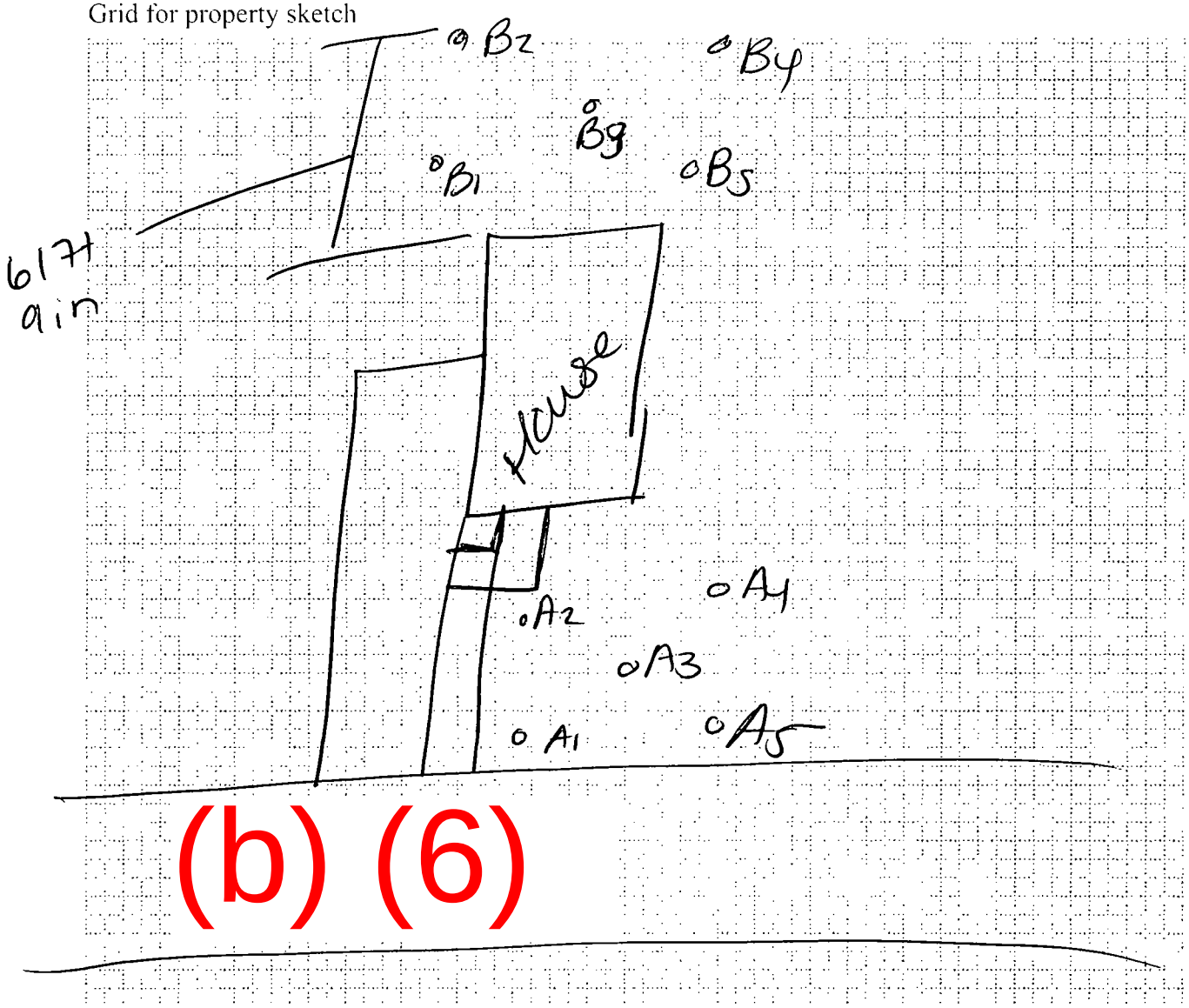
46°F, sunny

PROPERTY COMMENTS:

46°F, Sunny; Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0461A SAMPLE ID: CV0461A-CS-SP

SAMPLE COLLECTION TIME: 1125

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: CV0461A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55626925 N *Longitude* 86.80062479 W

Media description: DK brun silt

Aliquot #2 *Latitude:* 33.55625409 N *Longitude* 86.80065653 W

Media description: DK brun silt

Aliquot #3: *Latitude:* 33.55629865 N *Longitude* 86.80064990 W

Media description: DK brun silt

Aliquot #4: *Latitude:* 33.55633328 N *Longitude* 86.80067095 W

Media description: DK brun silt w/ small coal fragments

Aliquot #5: *Latitude:* 33.55633670 N *Longitude* 86.80062459 W

Media description: DK brun silt

STATION ID: CV0461B SAMPLE ID: CV0461B-CS-SP

SAMPLE COLLECTION TIME: 1131

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: CV0461B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55622961 N *Longitude* 86.80084619 W

Media description: DK brun silt moist

Aliquot #2 *Latitude:* 33.55624668 N *Longitude* 86.80101057 W

Media description: DK brun silt moist

Aliquot #3: *Latitude:* 33.55628122 N *Longitude* 86.80091315 W

Media description: ~~DK brun silt w/~~ tan/orange clay moist

Aliquot #4: *Latitude:* 33.55630109 N *Longitude* 86.80101942 W

Media description: DK brun silt w/ coal fragment

Aliquot #5: *Latitude:* 33.55630885 N *Longitude* 86.80084647 W

Media description: DK brun silt

ADDRESS: (b) (6) PROPERTY ID: OV0481

DATE: 1/31/13 ARRIVAL TIME: 1232

Other pertinent information (weather conditions, etc.):

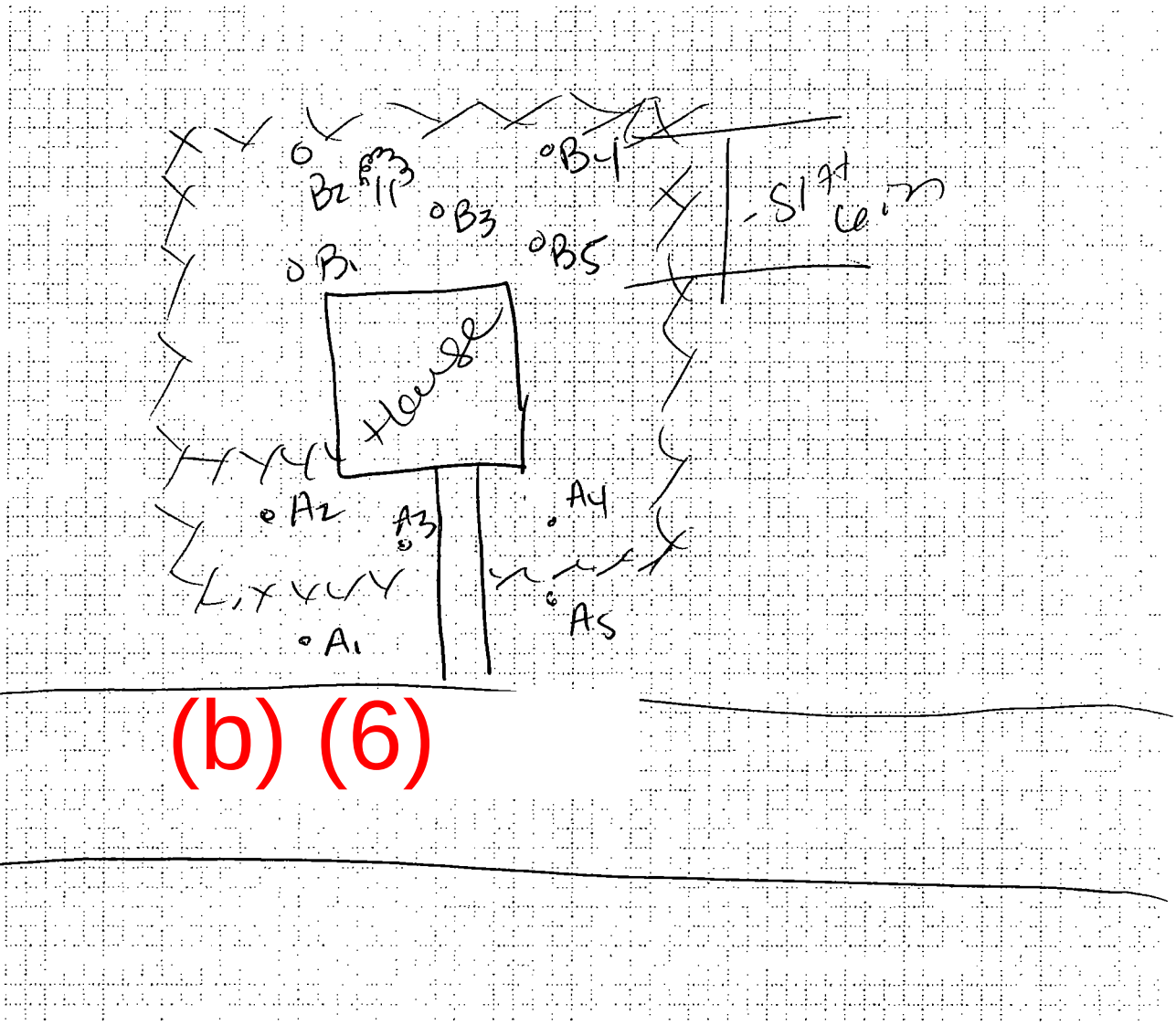
50°F, sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: CV0481A **SAMPLE ID:** CV0481A-CS-SP

SAMPLE COLLECTION TIME: 1250

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

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

Field Duplicate or Split: Yes or No *If yes, indicate* **Duplicate/split sample station ID:** CV0481A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* ~~33.55787000~~ 33.55785830 N *Longitude* ~~86.80037468~~ 86.80044207 W

Media description: Brun silty clay

Aliquot #2 *Latitude:* 33.55787000 N *Longitude* 86.80037468 W

Media description: DK brun clay silt

Aliquot #3: *Latitude:* 33.55783723 N *Longitude* 86.80040534 W

Media description: DK brun clay silt

Aliquot #4: *Latitude:* 33.55782360 N *Longitude* 86.80036343 W

Media description: DK brun clay silt

Aliquot #5: *Latitude:* 33.55781364 N *Longitude* 86.80044000 W

Media description: Brun silty clay

STATION ID: CV0481B **SAMPLE ID:** CV0481B-CS-SP

SAMPLE COLLECTION TIME: 1256

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:** CV0481B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55788258 N *Longitude* 86.80020255 W

Media description: DK brun silt

Aliquot #2 *Latitude:* 33.55789682 N *Longitude* 86.80006820 W

Media description: DK brun silt

Aliquot #3: *Latitude:* 33.55786498 N *Longitude* 86.80013868 W

Media description: DK brun silt

Aliquot #4: *Latitude:* 33.55784287 N *Longitude* 86.80007410 W

Media description: reddish brun silty clay

Aliquot #5: *Latitude:* 33.55782627 N *Longitude* 86.80019052 W

Media description: DK brun silt

ADDRES (b) (6) PROPERTY ID: CV0395

DATE: 1/31/13 ARRIVAL TIME: 1312

Other pertinent information (weather conditions, etc.):

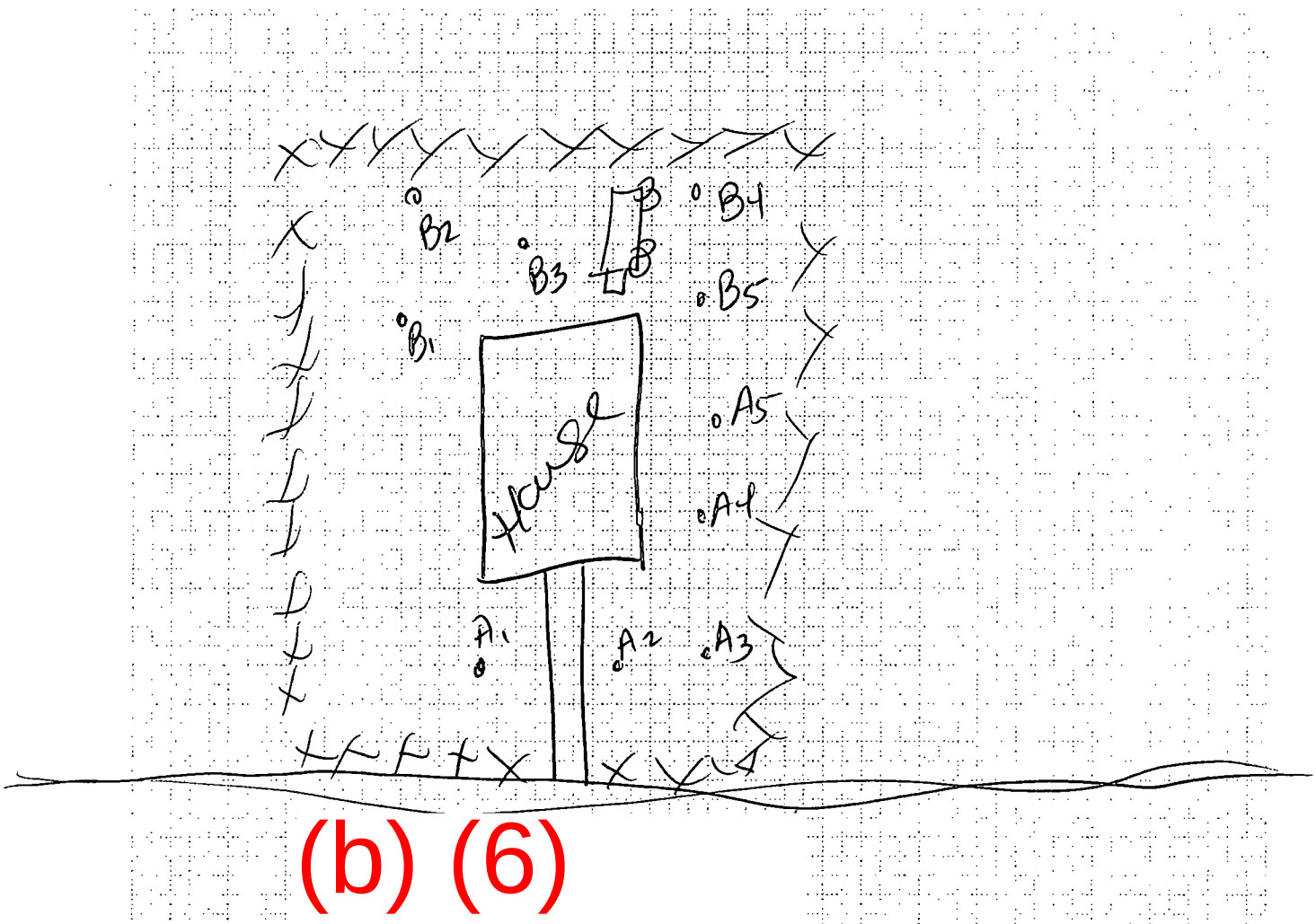
50°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV039SA SAMPLE ID: CV039SA-CS-SP

SAMPLE COLLECTION TIME: 1324

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: CV039SA

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55735888 N *Longitude* 86.79959100 W

Media description: DK brun Clay Silt

Aliquot #2 *Latitude:* 33.55741091 N *Longitude* 86.79958157 W

Media description: DK brun clay silt

Aliquot #3: *Latitude:* 33.55749974 N *Longitude* 86.79957482 W

Media description: DK brun clay silt

Aliquot #4: *Latitude:* 33.55750891 N *Longitude* 86.79964814 W

Media description: DK brun clay silt

Aliquot #5: *Latitude:* 33.55751468 N *Longitude* 86.79973092 W

Media description: DK brun clay silt

STATION ID: CV039SB SAMPLE ID: CV039SB-CS-SP

SAMPLE COLLECTION TIME: 1327

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: CV039SB

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55736262 N *Longitude* 86.79982256 W

Media description: Brun silty clay

Aliquot #2 *Latitude:* 33.55736593 N *Longitude* 86.79994053 W

Media description: DK brun silt

Aliquot #3: *Latitude:* 33.55741654 N *Longitude* 86.79986384 W

Media description: DK brun silt

Aliquot #4: *Latitude:* 33.55748926 N *Longitude* 86.79993556 W

Media description: DK brun silt

Aliquot #5: *Latitude:* 33.55750416 N *Longitude* 86.79981313 W

Media description: Brun silty clay

ADDRESS: (b) (6)

DATE: 1/31/13

PROPERTY ID: CVOS74

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

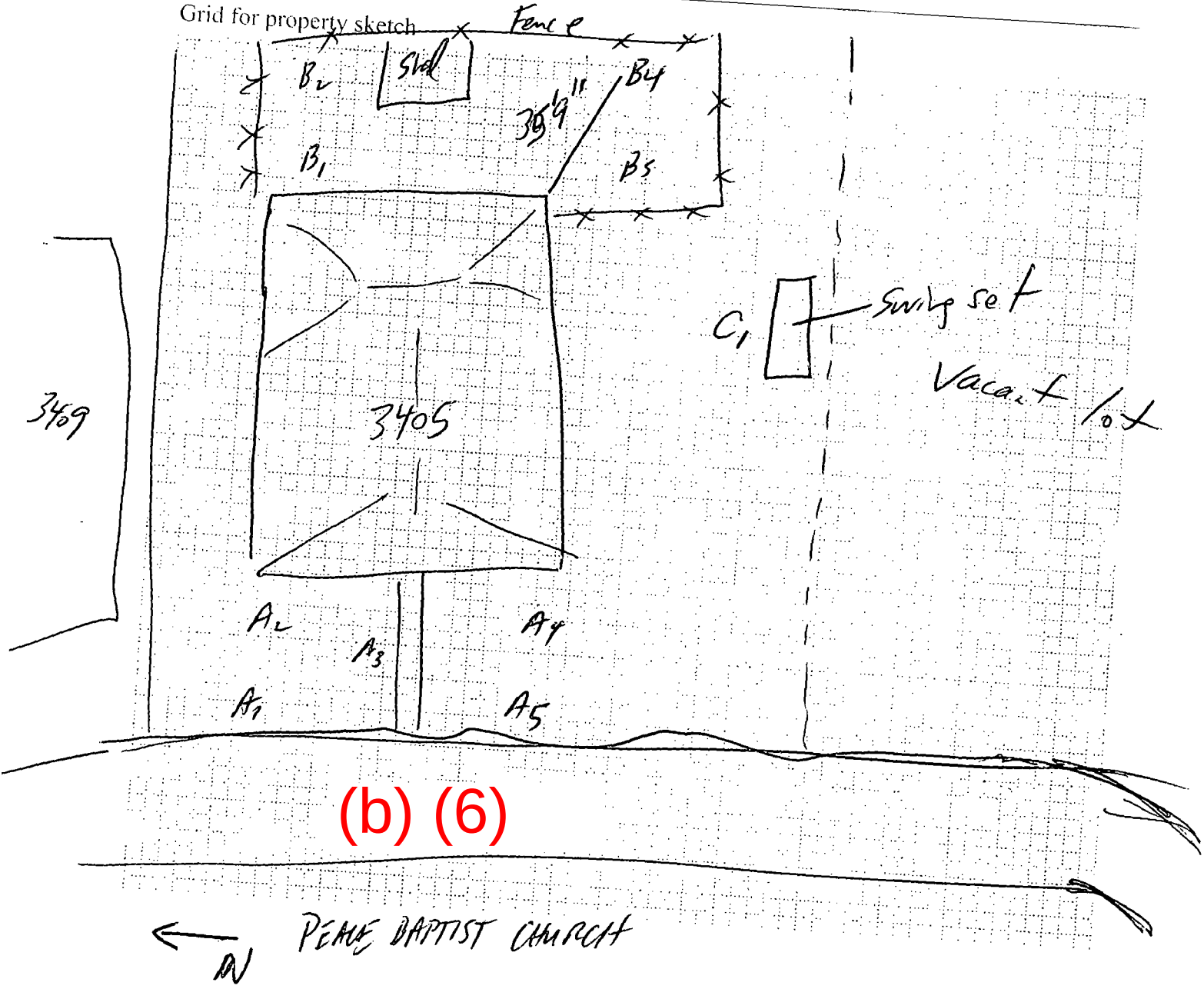
50° F, Sunny

PROPERTY COMMENTS:

w/ (b) (6) legal attorney team

Resident @ home.

Grid for property sketch



NTS

STATION ID: CV0574A SAMPLE ID: CV0574A-CS-SP

SAMPLE COLLECTION TIME: 1429

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: CV0574A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55962006 N *Longitude* 86.79857560 W

Media description: dk brwn clayey silt moist

Aliquot #2 *Latitude:* 33.55961978 N *Longitude* 86.79853564 W

Media description: same as above

Aliquot #3: *Latitude:* 33.55961721 N *Longitude* 86.79853108 W

Media description: same as above

Aliquot #4: *Latitude:* 33.55959107 N *Longitude* 86.79849909 W

Media description: same as above

Aliquot #5: *Latitude:* 33.55957189 N *Longitude* 86.79852614 W

Media description: same as above

STATION ID: CV0574B SAMPLE ID: CV0574B-CS-SP

SAMPLE COLLECTION TIME: 1432

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: CV0574B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55977479 N *Longitude* 86.79840792 W

Media description: blk silt moist

Aliquot #2 *Latitude:* 33.55981545 N *Longitude* 86.79836613 W

Media description: same as above

Aliquot #3: *Latitude:* 33.55975111 N *Longitude* 86.79835316 W

Media description: same as above w/ sm. coal fragments

Aliquot #4: *Latitude:* 33.55975738 N *Longitude* 86.79827745 W

Media description: blk silt moist

Aliquot #5: *Latitude:* 33.55973345 N *Longitude* 86.79830228 W

Media description: blk silt moist

ADDRESS: See previous **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

See page 50

STATION ID: CV0574C- **SAMPLE ID:** CV0574C-GS-SP

SAMPLE COLLECTION TIME: 1442

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:** CV0574C

GPS Coordinates: Trimble [ ] Instrument #: 018594 Logged? Y or N

Aliquot #1: *Latitude:* 33.55964964 N *Longitude* 86.79831182 W

Media description: blk silt wet

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

Media description:

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

Media description:

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

Media description:

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

Media description:

STATION ID: **SAMPLE ID:**

SAMPLE COLLECTION TIME:

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

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

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

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

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

Media description:

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

Media description:

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

Media description:

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

Media description:

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

Media description:

ADDRESS: (b) (6)

ROPERTY ID: FM0312

DATE: 1/31/13

ARRIVAL TIME: 1513

Other pertinent information (weather conditions, etc.):

53°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Property determined by D. Fraley to

Grid for property sketch

be outside of study area.

STATION ID: FM0312A **SAMPLE ID:** FM0312A-CS-SP

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:** FM0312A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

STATION ID: FM0312B **SAMPLE ID:** FM0312B-CS-SP

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:** FM0312B

GPS Coordinates: Trimble [✓] Instrument #: 018594 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: _____

Nothing Follows

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.