

L8000067

REDACTED

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 2 of 2

Inclusive Dates: 3/26/13 - 03/28/2013

List of Sampling Team in logbook: ~

Name	Initials	Organization/Duties
(b)	(6)	<u>OTIE</u> , Team Leader
		<u>OTIE</u>
		<u>OTIE</u>
		<u>OTIE</u>
		<u>OTIE</u>

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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 (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq ¼-acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over ¼-acre in parcel lot size will be divided into ¼-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

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

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

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

Grab sediment samples will be collected in accordance with EPA 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: CV0509

DATE: 3/26/13 ARRIVAL TIME: 1220

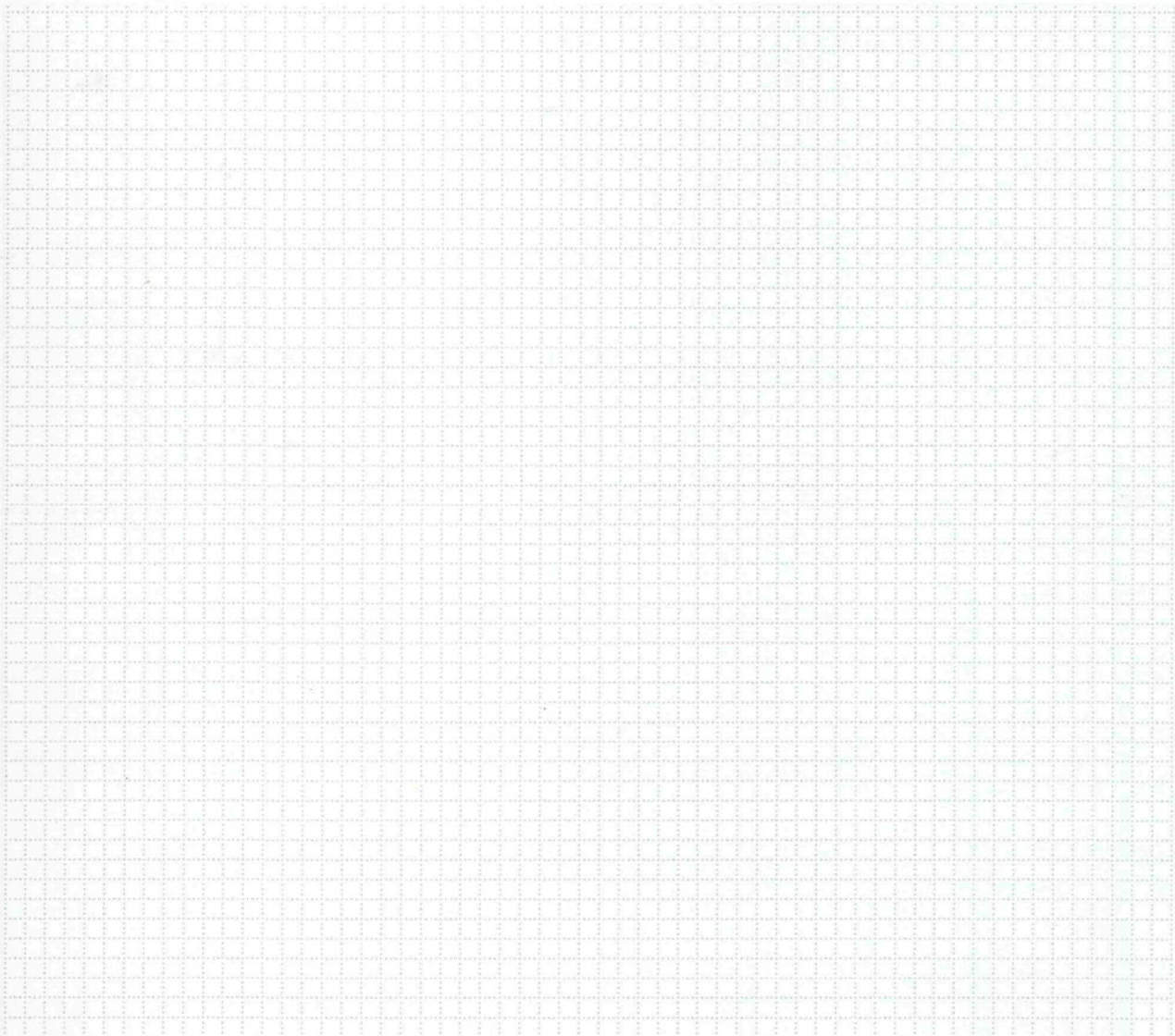
Other pertinent information (weather conditions, etc.):

41°F, cloudy, windy

PROPERTY COMMENTS:

Continuation from Logbook 1 of 2. Pages 6-35
of this logbook all pertain to parcels
associated with the **(b) (6)**

Grid for property sketch



STATION ID: CV0509CC SAMPLE ID: CV0509CC-CS

SAMPLE COLLECTION TIME: 1446

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

Collection: Composite or Grab MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0509CC @

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: <u>Brun/light Brun silty clay</u>
Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>

1448

STATION ID: CV0509DD SAMPLE ID: CV0509DD-CS

SAMPLE COLLECTION TIME: 1458

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

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

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: <u>Brun silty clay</u>
Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: <u>Brun silty clay</u>
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: <u>Brun silty clay</u>
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: <u>tan silty clay w/ coal</u>
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: <u>tan silty clay w/ coal</u>

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Refer to page 6

Buntman
Brown
3/26/13

STATION ID: CV0509EE SAMPLE ID: CV0509EE-CS

SAMPLE COLLECTION TIME: 1510

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? or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Brown/ten silty clay w/ gravel & coal

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: same as previous

STATION ID: CV0509FF SAMPLE ID: CV0509FF-CS

SAMPLE COLLECTION TIME: 1515

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? or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Brown/ten silty clay w/ gravel & coal

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: same as previous

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: same as previous

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Refer to page 6

Brittney Brown

3/26/13

STATION ID: CVO509GG SAMPLE ID: CVO509GG-CS

SAMPLE COLLECTION TIME: 1520

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

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: <u>tan/med brun sandy clay w/ gravel</u>
Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>

STATION ID: CVO509HH SAMPLE ID: CVO509HH-CS

SAMPLE COLLECTION TIME: 1530

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 If yes, indicate Duplicate/split sample station ID: CVO509HH @ 1532

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: <u>Brun/tan silty clay w/ coal</u>
Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>
Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: <u>orange clay</u>
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: <u>Brun/tan silty clay w/ coal</u>
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: <u>same as previous</u>

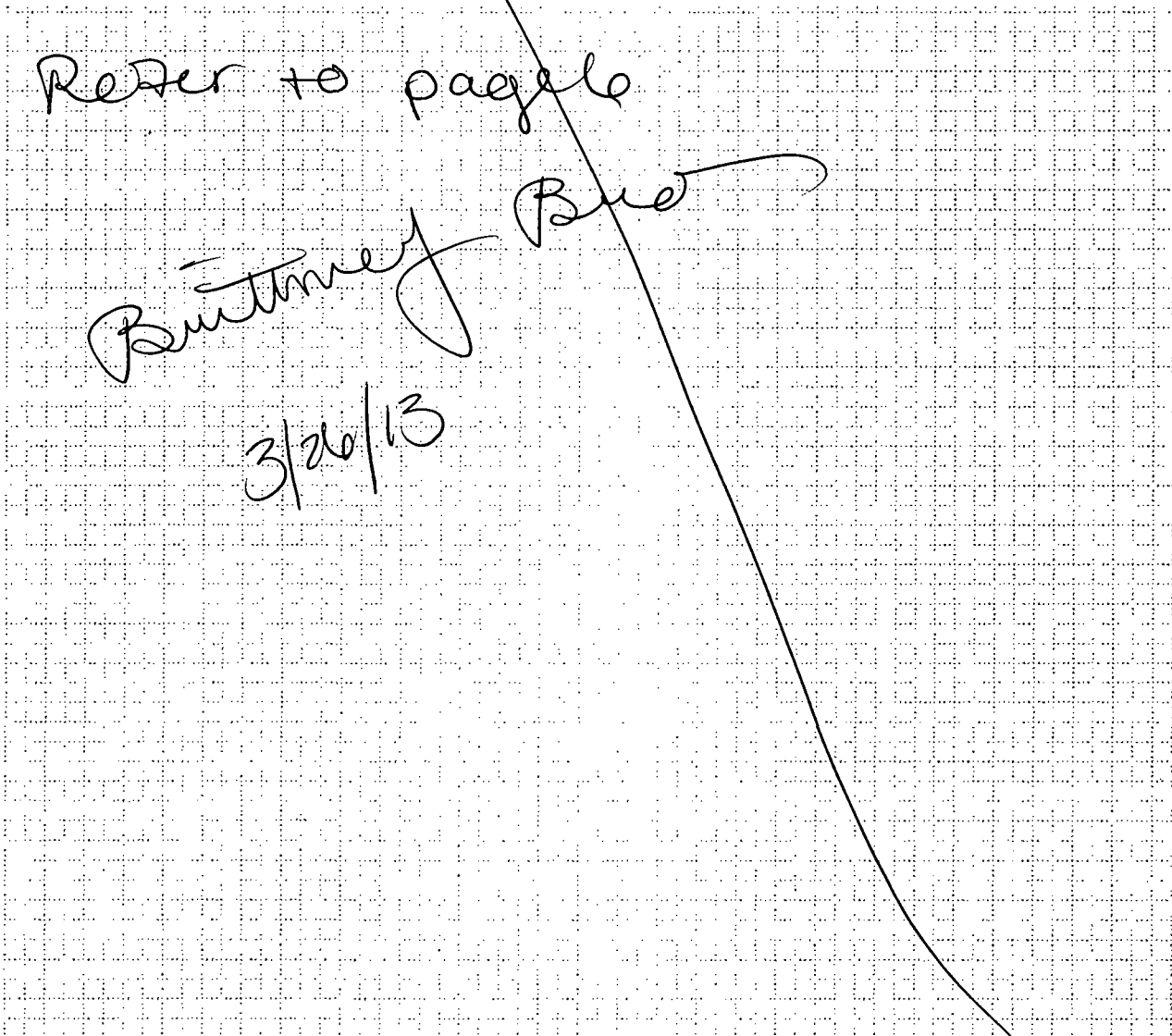
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0509AK

SAMPLE ID: CV0509AK-GS

SAMPLE COLLECTION TIME: 1535

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: Brun silty clay w/ gravel

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

BB 3/26/13

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

STATION ID: CV0509AL

SAMPLE ID: CV0509AL-GS

SAMPLE COLLECTION TIME: 1537

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: Orange + Brun silty clay w/ slag + coal

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

BB 3/26/13

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

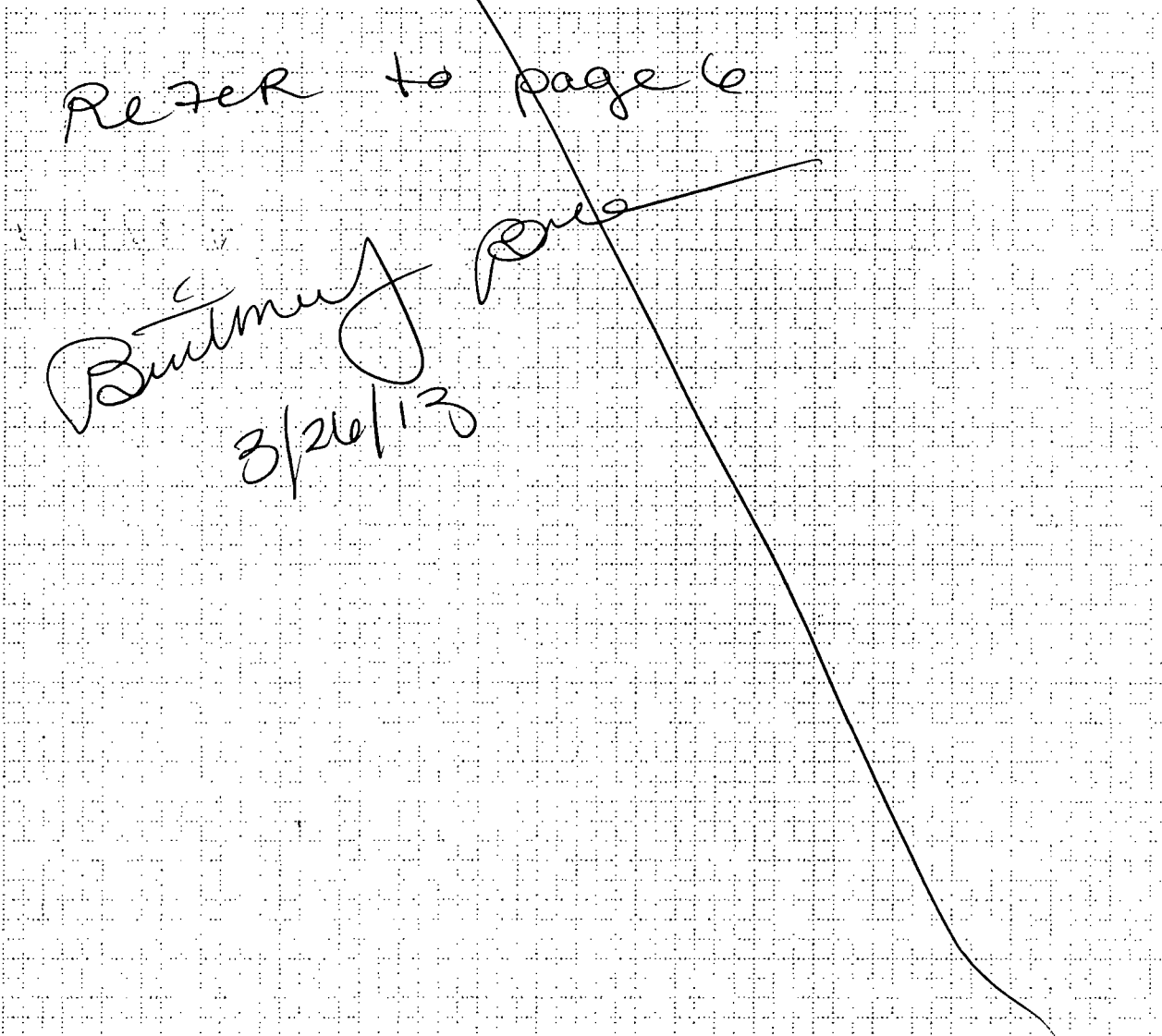
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0509AM

SAMPLE ID: CV0509AM-GS

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: _____

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

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: tan/med brun sandy clay 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: _____

BP 3/26/13

STATION ID: CV0509AN

SAMPLE ID: CV0509AN-GS

SAMPLE COLLECTION TIME: 1540

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? or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: tan/med brun sandy clay 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: _____

BP 3/26/13

ADDRESS: _____ PROPERTY ID: CN0509

DATE: 3/27/13 ARRIVAL TIME: 0800

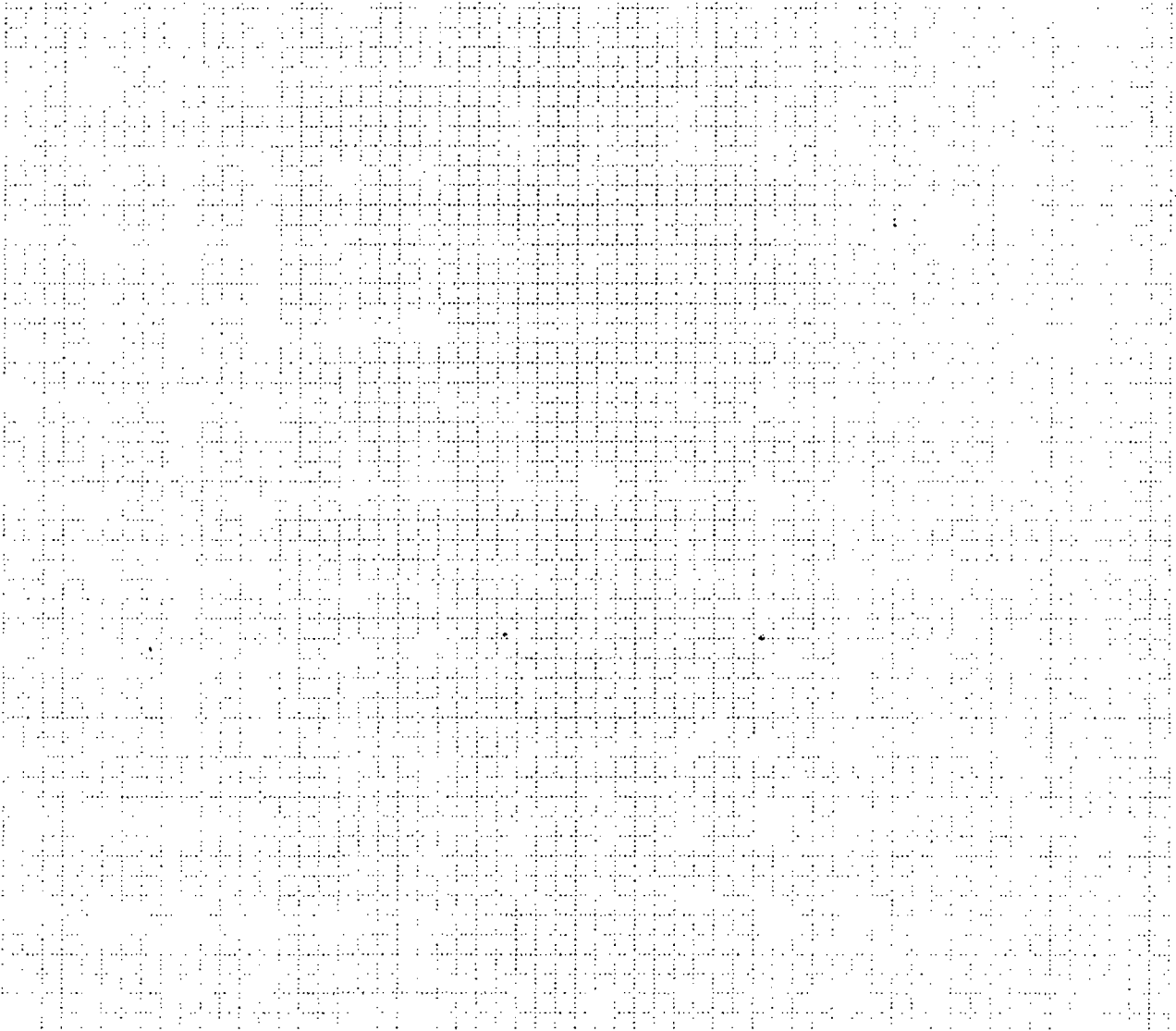
Other pertinent information (weather conditions, etc.):

38°F, sunny

PROPERTY COMMENTS:

(b) (6)

Grid for property sketch



STATION ID: CV0509II SAMPLE ID: CV0509II-CS

SAMPLE COLLECTION TIME: 0825

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: light brown / tan / orange silty clay w/ coal

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: tan silty clay w/ gravel

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: light brown / tan / orange silty clay w/ coal

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: tan silty clay w/ gravel

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: light brown / tan / orange silty clay w/ coal

STATION ID: CV0509AD SAMPLE ID: CV0509AD-GS

SAMPLE COLLECTION TIME: 0826

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: light brown silty clay w/ coal + debris

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: _____

BB 3/27/13

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Refer to page 60

Sumner

Brown

2/24/13

STATION ID: CV0509JU SAMPLE ID: CV0509JU-CS

SAMPLE COLLECTION TIME: 0833

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: light brown silty clay w/ gravel

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: Brown silty clay w/ coal

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: light brown silty clay w/ gravel

STATION ID: CV0509AP SAMPLE ID: CV0509AP-G5

SAMPLE COLLECTION TIME: 0835

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: Brown silty clay w/ tan clay

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____ BB 3/27/13

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

REFER to page 16

Bethany Brown

3/27/13

STATION ID: CV0509KK SAMPLE ID: CV0509KK-CS

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: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____ N Longitude _____ W	Media description: <u>DK brun silty clay w/ rocks + coal</u>
Aliquot #2: Latitude: _____ N Longitude _____ W	Media description: <u>same as previous</u>
Aliquot #3: Latitude: _____ N Longitude _____ W	Media description: <u>same as previous</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: <u>same as previous</u>
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: <u>same as previous</u>

STATION ID: CV0509LL SAMPLE ID: CV0509LL-CS

SAMPLE COLLECTION TIME: 0854

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____ N Longitude _____ W	Media description: <u>light brun silty clay w/ gravel</u>
Aliquot #2: Latitude: _____ N Longitude _____ W	Media description: <u>brun/orange silty clay</u>
Aliquot #3: Latitude: _____ N Longitude _____ W	Media description: <u>light brun silty clay w/ gravel</u>
Aliquot #4: Latitude: _____ N Longitude _____ W	Media description: <u>Brun silty clay w/ yellow clay</u>
Aliquot #5: Latitude: _____ N Longitude _____ W	Media description: <u>same as previous</u>

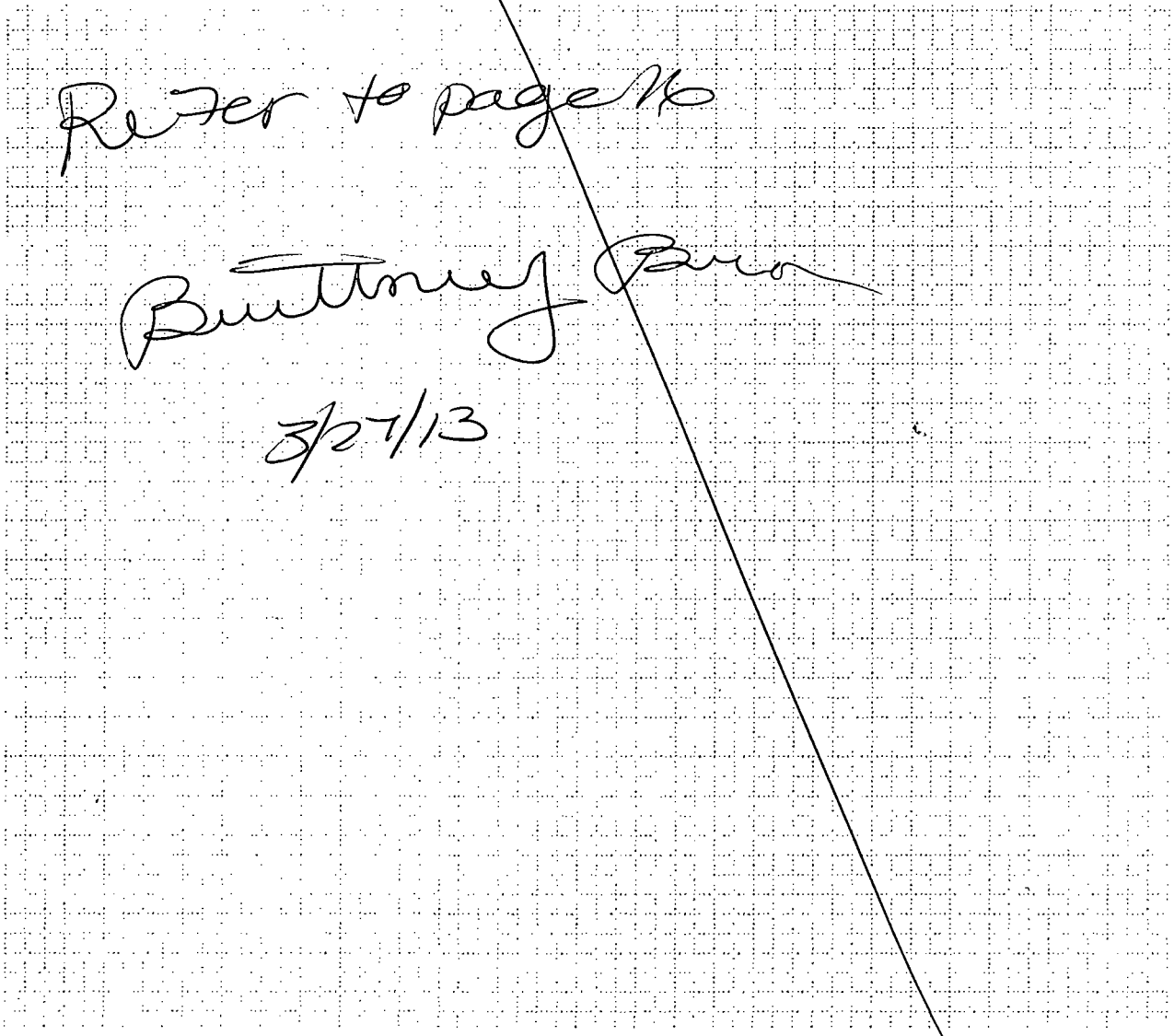
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0509mm

SAMPLE ID: CV0509mm-CS

SAMPLE COLLECTION TIME: 0850

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: tan clay w/ dk brown sandy clay

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: DK brown sandy clay

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: same as previous

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: _____

BB 3/24/13

ADDRESS: _____ PROPERTY ID: CV0284

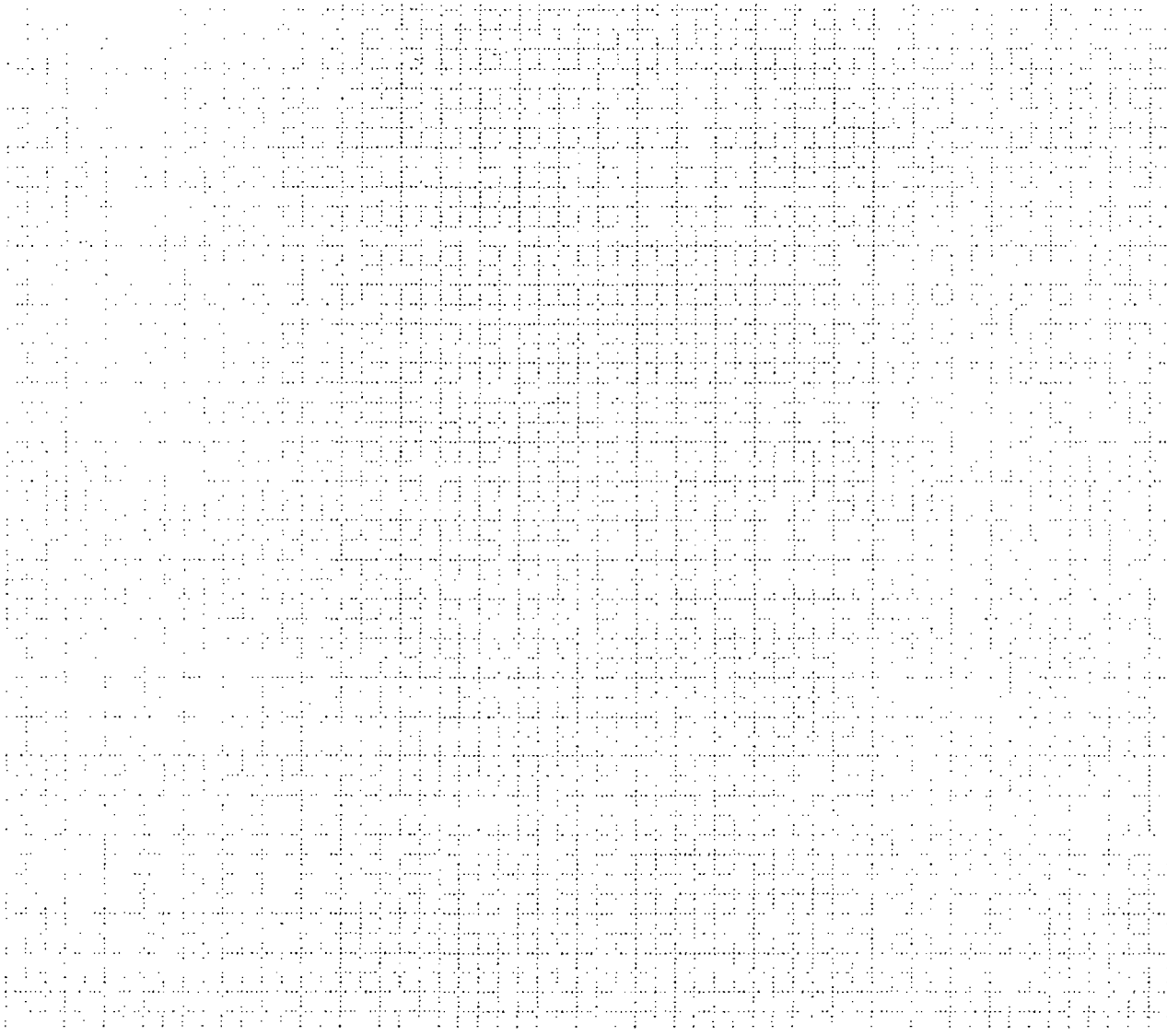
DATE: 3/27/13 ARRIVAL TIME: 0900

Other pertinent information (weather conditions, etc.):

38°F, Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0284A SAMPLE ID: CV0284A-CS

SAMPLE COLLECTION TIME: 0915

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: DK brn silty clay

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: same as previous

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: same as previous

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: _____ AP 3/27/13

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: _____ PROPERTY ID: CV0283

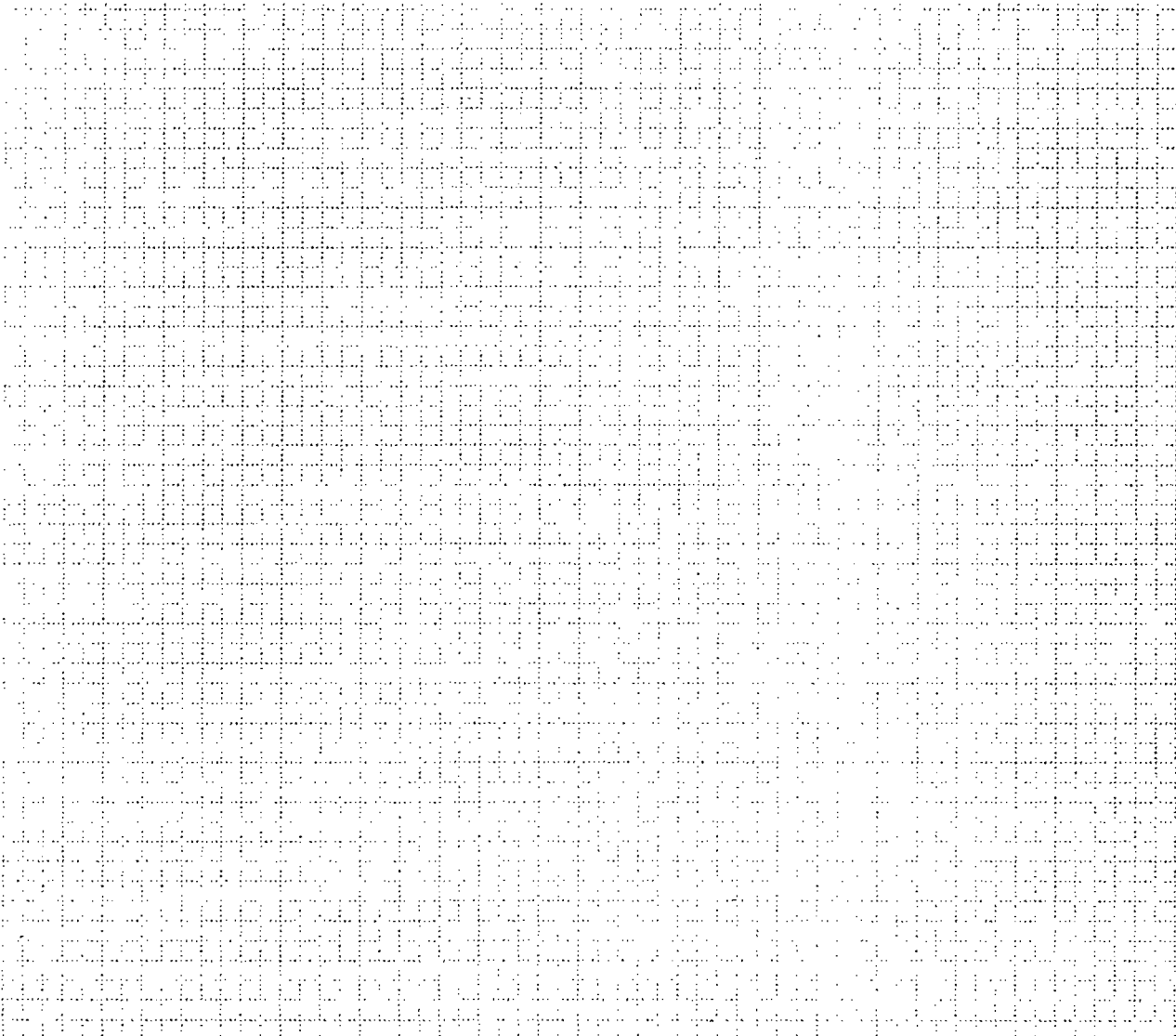
DATE: 3/27/13 ARRIVAL TIME: 0920

Other pertinent information (weather conditions, etc.):

38°F, sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0283A SAMPLE ID: CV0283A-CS

SAMPLE COLLECTION TIME: 0930

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____ N Longitude _____	W
Media description: <u>Brun silty clay</u>	
Aliquot #2: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #3: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #4: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #5: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	

STATION ID: CV0283B SAMPLE ID: CV0283B-CS

SAMPLE COLLECTION TIME: 0935

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 If yes, indicate Duplicate/split sample station ID: CV0283B @

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____ N Longitude _____	W
Media description: <u>Brun silty clay w/ organic debris dump</u>	
Aliquot #2: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #3: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #4: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	
Aliquot #5: Latitude: _____ N Longitude _____	W
Media description: <u>Same as previous</u>	

0937

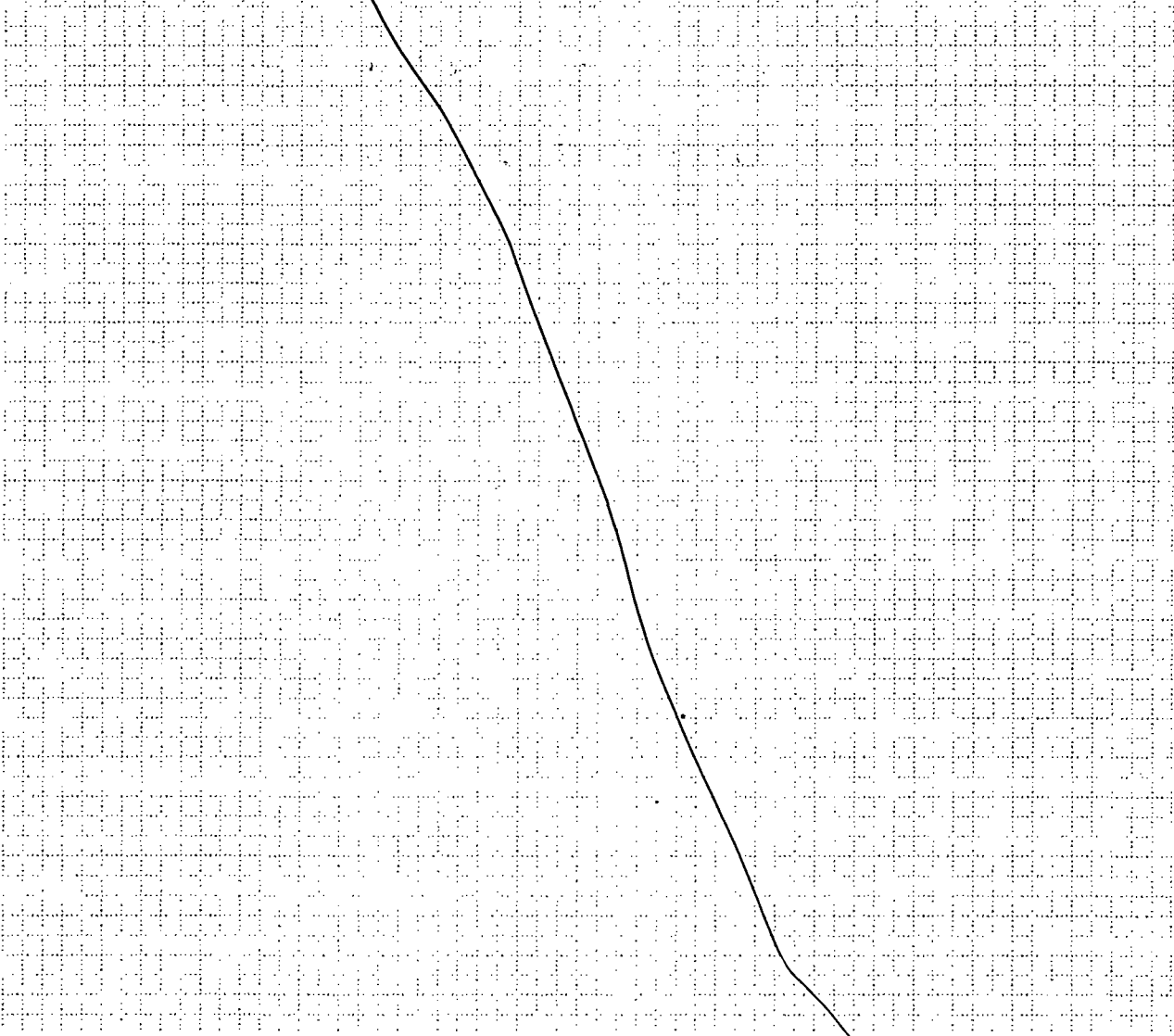
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0283C SAMPLE ID: CV0283C-CS

SAMPLE COLLECTION TIME: 0938

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: med brun clay silt

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: med brun clay silt

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: med brun clay silt

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brun clay silt

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: DK brun clay silt

STATION ID: CV0283D SAMPLE ID: CV0283D-CS

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: _____

BB 3/27/13

ADDRESS: _____ PROPERTY ID: CV0013

DATE: 3/27/13 ARRIVAL TIME: 0940

Other pertinent information (weather conditions, etc.):

39°F, sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0013A SAMPLE ID: CV0013A-CS

SAMPLE COLLECTION TIME: 0945

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____	N Longitude _____	W
Media description: <u>Brun silty clay w/ orange clay</u>		
Aliquot #2: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		

STATION ID: CV0013B SAMPLE ID: CV0013B-CS

SAMPLE COLLECTION TIME: 0955

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: _____	N Longitude _____	W
Media description: <u>Brun silty clay w/ orange clay</u>		
Aliquot #2: Latitude: _____	N Longitude _____	W
Media description: <u>Brun silty clay w/ gravel</u>		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: <u>Same as previous</u>		

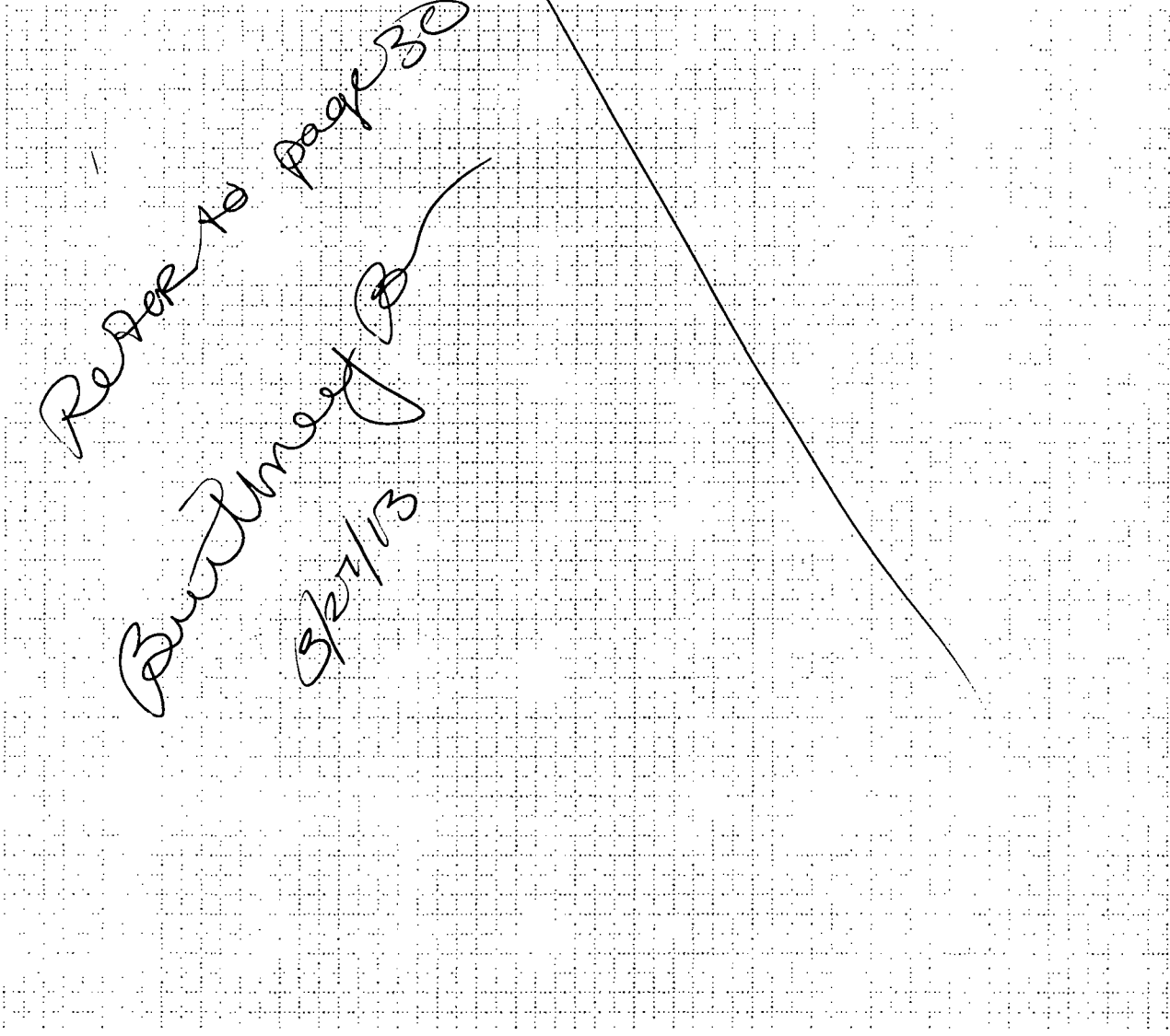
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0013C SAMPLE ID: CV0013C-CS

SAMPLE COLLECTION TIME: 0958

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: CV0013C @ 1000

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

Aliquot #1: Latitude: _____ N Longitude _____ W
Media description: Brown silty clay

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: Brown silty clay

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: DK brown silty clay w/ lots of rocks

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: DK brown silty clay w/ lots of rocks

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: light brown silty clay damp

STATION ID: CV0013AB SAMPLE ID: CV0013AB-GS

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: 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: brown silty clay w/ orange clay & coal

Aliquot #2: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

3/27/13

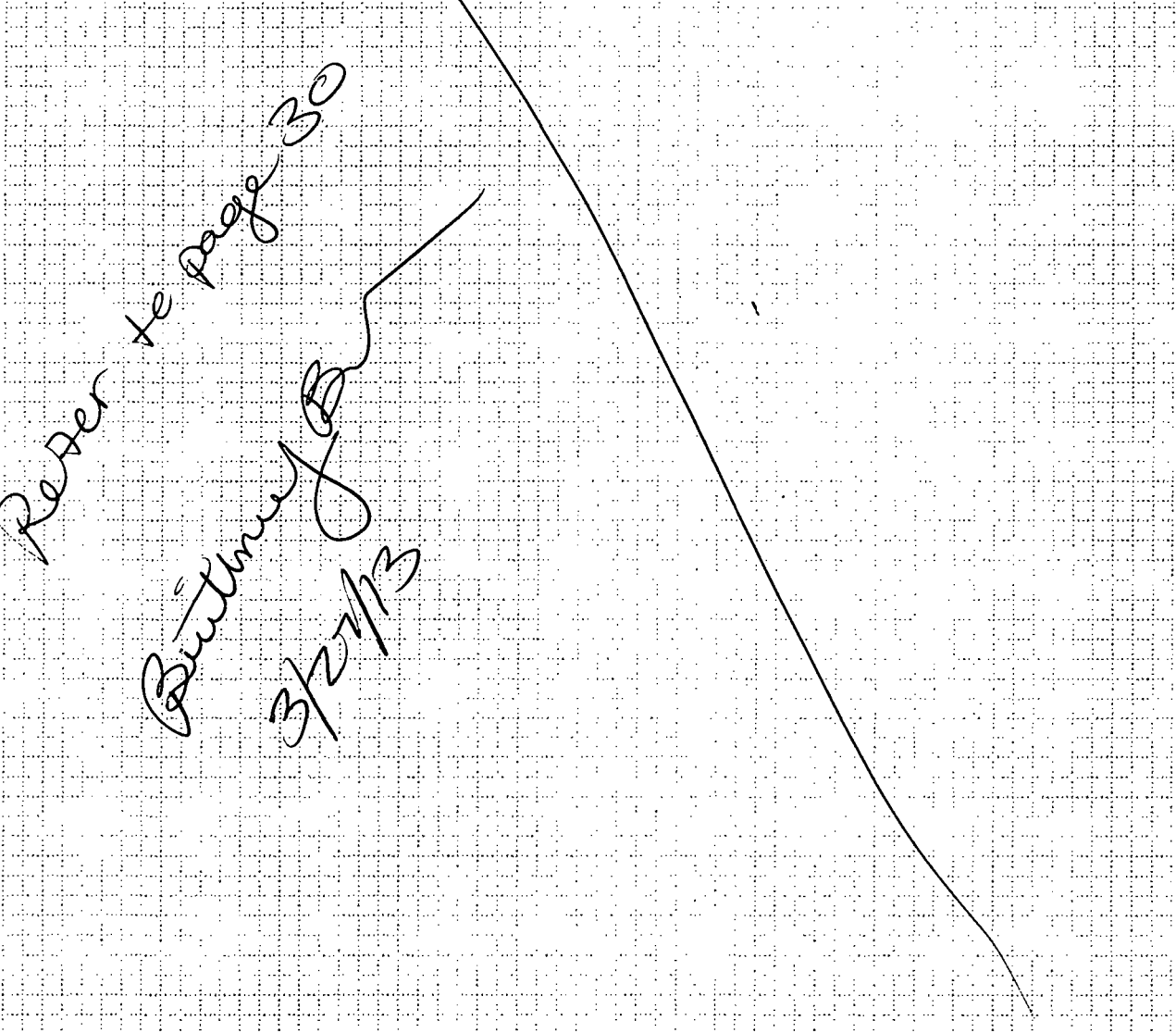
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0013D SAMPLE ID: CV0013D-CS

SAMPLE COLLECTION TIME: 1007

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N
Aliquot #1: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ orange clay</u>		
Aliquot #2: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ orange clay</u>		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty ^{clay} w/ gravel damp</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ gravel damp</u>		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ gravel damp</u>		

STATION ID: CV0013E SAMPLE ID: CV0013E-CS

SAMPLE COLLECTION TIME: 1015

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/> Instrument #: _____		Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N
Aliquot #1: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty w/ tan clay</u>		
Aliquot #2: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty w/ tan clay</u>		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: <u>tan clay</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ rocks</u>		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: <u>Brown silty clay w/ rocks</u>		

(b) (6)

ADDRESS: _____

PROPERTY ID: CV1036

DATE: 3/27/13

ARRIVAL TIME: 1220

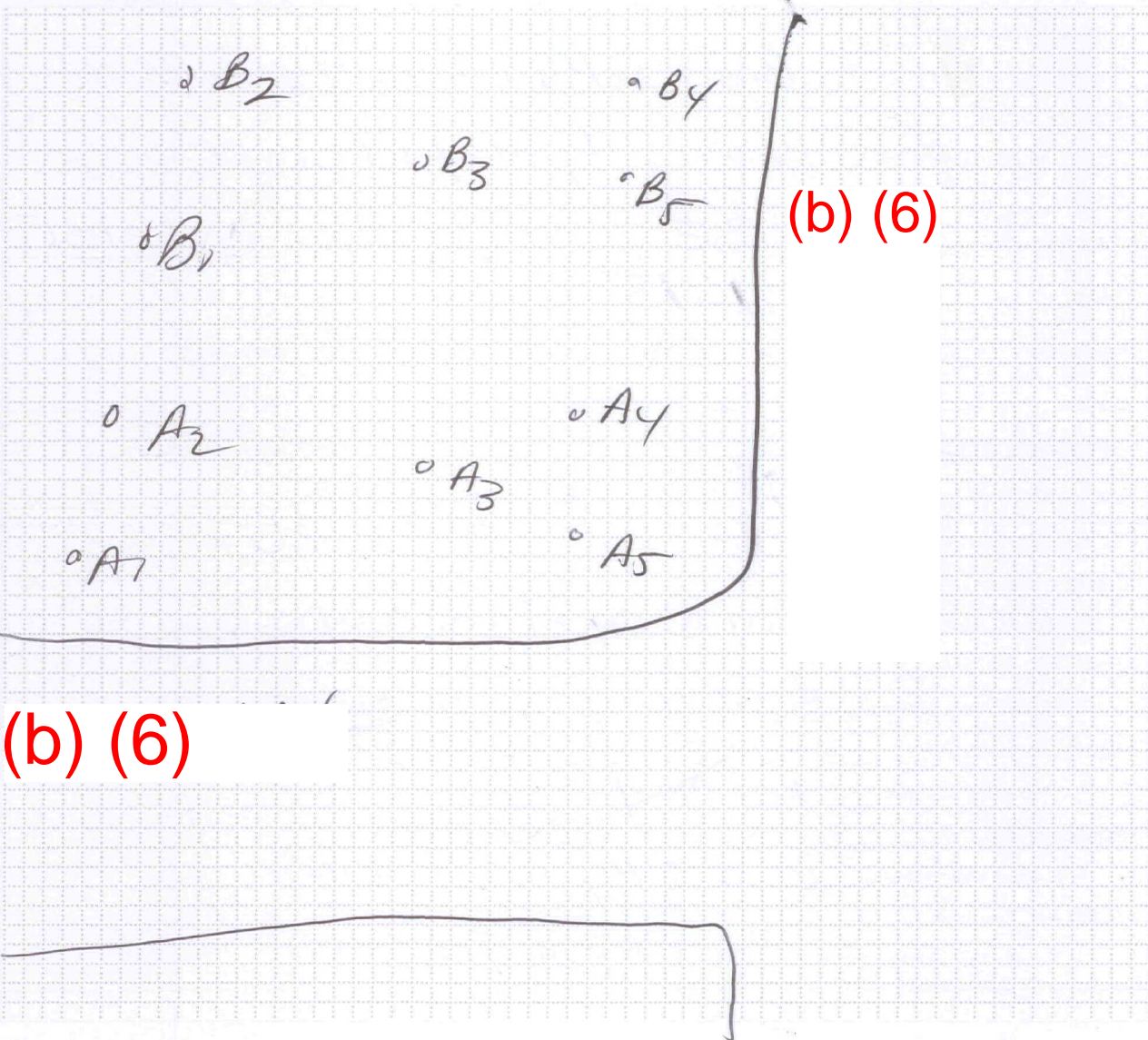
Other pertinent information (weather conditions, etc.):

46°F, sunny

PROPERTY COMMENTS:

City vacant lot

Grid for property sketch



(b) (6)

STATION ID: CV1036A

SAMPLE ID: CV1036A-CS

SAMPLE COLLECTION TIME: 1238

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

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55041699</u>	N Longitude	<u>86.80454807</u>	W
Media description: <u>Brown/OK brown silty clay w/ gravel</u>			
Aliquot #2: Latitude: <u>33.55027024</u>	N Longitude	<u>86.80454418</u>	W
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55032452</u>	N Longitude	<u>86.80467326</u>	W
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55028089</u>	N Longitude	<u>86.80478961</u>	W
Media description: <u>light brown silt w/ coal + debris</u>			
Aliquot #5: Latitude: <u>33.55041130</u>	N Longitude	<u>86.80478271</u>	W
Media description: <u>same as above</u>			

STATION ID: CV1036B

SAMPLE ID: CV1036B-CS

SAMPLE COLLECTION TIME: 1240

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

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55024254</u>	N Longitude	<u>86.80155460</u>	W
Media description: <u>Brown light brown silty clay w/ gravel</u>			
Aliquot #2: Latitude: <u>33.55011644</u>	N Longitude	<u>86.80455884</u>	W
Media description: <u>same as above</u>			
Aliquot #3: Latitude: <u>33.55015400</u>	N Longitude	<u>86.80470034</u>	W
Media description: <u>same as above</u>			
Aliquot #4: Latitude: <u>33.55014135</u>	N Longitude	<u>86.80479037</u>	W
Media description: <u>same as above</u>			
Aliquot #5: Latitude: <u>33.55026019</u>	N Longitude	<u>86.80479157</u>	W
Media description: <u>same as above</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

0V1040

DATE:

3/27/13

ARRIVAL TIME:

1220

Other pertinent information (weather conditions, etc.):

46°F, sunny

PROPERTY COMMENTS:

City vacant lot

Grid for property sketch

° A2

° A4

° A3

° A1

° A5

(b) (6)

STATION ID: CV1040A SAMPLE ID: CV1040A-CS

SAMPLE COLLECTION TIME: 1255

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.55039150</u> N Longitude <u>86.80425414</u> W	Media description: <u>DK brown silty clay w/ coal</u>
Aliquot #2: Latitude: <u>33.55012796</u> N Longitude <u>86.80423535</u> W	Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55028468</u> N Longitude <u>86.80427212</u> W	Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55012793</u> N Longitude <u>86.80430322</u> W	Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55038774</u> N Longitude <u>86.80430229</u> W	Media description: <u>same as above</u>

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

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

GP 3/27/13

(b) (6)

ADDRESS:

PROPERTY ID:

CV1042

DATE:

3/27/

ARRIVAL TIME:

1220

Other pertinent information (weather conditions, etc.):

46°F, Sunny

PROPERTY COMMENTS:

City Vacant lot

Grid for property sketch

Handwritten grid points on graph paper:

- Row 1: A₁, A₂, A₃, A₄, A₅
- Row 2: B₁, B₂, B₃, B₄, B₅
- Row 3: C₁, C₂, C₃, C₄, C₅

(b) (6)

STATION ID: CV1042A SAMPLE ID: CV1042A-CS

SAMPLE COLLECTION TIME: 1312

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? [<input checked="" type="checkbox"/>] or N
Aliquot #1: Latitude: <u>33.55039023</u> N Longitude <u>86.80392367</u> W Media description: <u>DK brun silty clay</u>
Aliquot #2: Latitude: <u>33.55036674</u> N Longitude <u>86.80392662</u> W Media description: <u>Brun silty clay w/ gravel</u>
Aliquot #3: Latitude: <u>33.55036188</u> N Longitude <u>86.80404706</u> W Media description: <u>DK brun silty clay</u>
Aliquot #4: Latitude: <u>33.55035242</u> N Longitude <u>86.80422358</u> W Media description: <u>Brun silty clay w/ gravel</u>
Aliquot #5: Latitude: <u>33.55039782</u> N Longitude <u>86.80422582</u> W Media description: <u>DK brun silty clay</u>

STATION ID: CV1042B SAMPLE ID: CV1042B-CS

SAMPLE COLLECTION TIME: 1318

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? [<input checked="" type="checkbox"/>] or N
Aliquot #1: Latitude: <u>33.55031257</u> N Longitude <u>86.80393077</u> W Media description: <u>DK brun silty clay w/ gravel</u>
Aliquot #2: Latitude: <u>33.55024768</u> N Longitude <u>86.80393810</u> W Media description: <u>same as above</u>
Aliquot #3: Latitude: <u>33.55028904</u> N Longitude <u>86.80405333</u> W Media description: <u>same as above</u>
Aliquot #4: Latitude: <u>33.55028006</u> N Longitude <u>86.80421680</u> W Media description: <u>same as above</u>
Aliquot #5: Latitude: <u>33.55033067</u> N Longitude <u>86.80422276</u> W Media description: <u>same as above</u>

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Refer to page 210

Brentney Bree

3/27/13

STATION ID: CV1042C SAMPLE ID: CV1042C-C5

SAMPLE COLLECTION TIME: 1325

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? or N

Aliquot #1: Latitude: 33.55022643 N Longitude 86.80394755 W
Media description: DK brwn silty clay w/ coal

Aliquot #2: Latitude: 33.55072873 N Longitude 86.80396576 W
Media description: _____

Aliquot #3: Latitude: 33.55016602 N Longitude 86.80406138 W
Media description: _____

Aliquot #4: Latitude: 33.55012515 N Longitude 86.80421303 W
Media description: _____

Aliquot #5: Latitude: 33.55028659 N Longitude 86.80422239 W
Media description: light brwn/tan clay w/ gravel

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: _____

BBB 3/27/13

(b) (6)

ADDRESS _____ PROPERTY ID: CV1049

DATE: 3/27/13 ARRIVAL TIME: 1400

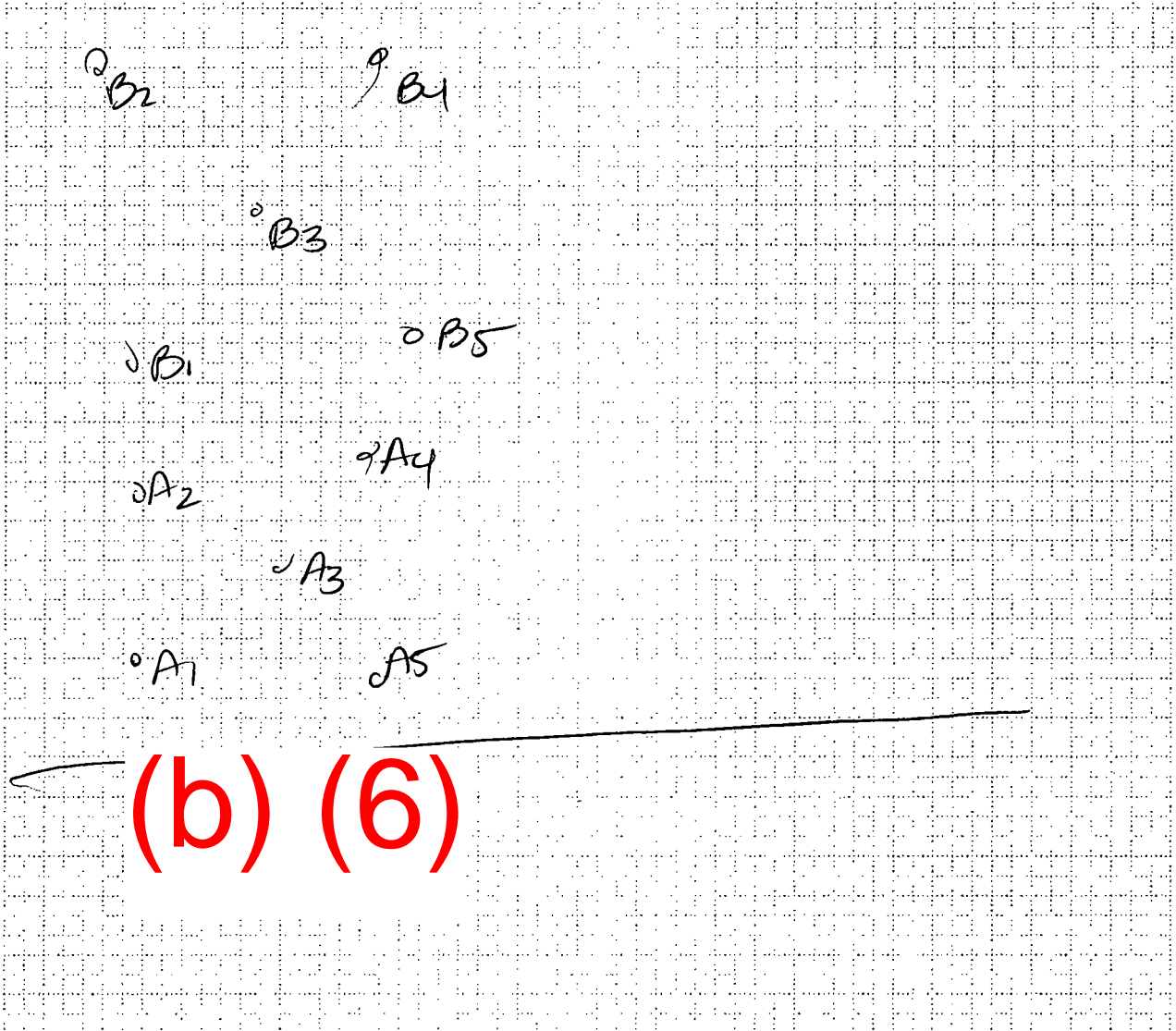
Other pertinent information (weather conditions, etc.):

53°F, sunny

PROPERTY COMMENTS:

City vacant lot

Grid for property sketch



(b) (6)

STATION ID: CV1049A

SAMPLE ID: CV1049A-CS

SAMPLE COLLECTION TIME: 1410

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 #: 018594 Logged? or N

Aliquot #1: Latitude: 33.55053822 N Longitude: 86.80337610 W
Media description: Dk brn silty clay w/ gravel & coal damp

Aliquot #2: Latitude: 33.55068592 N Longitude: 86.80337692 W
Media description:

Aliquot #3: Latitude: 33.55089831 N Longitude: 86.80330864 W
Media description:

Aliquot #4: Latitude: 33.55064986 N Longitude: 86.80323911 W
Media description:

Aliquot #5: Latitude: 33.55053744 N Longitude: 86.80324884 W
Media description:

STATION ID: CV1049B

SAMPLE ID: CV1049B-CS

SAMPLE COLLECTION TIME: 1415

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 #: 018594 Logged? or N

Aliquot #1: Latitude: 33.55068802 N Longitude: 86.80339637 W
Media description: Dk brn/orange silty clay damp

Aliquot #2: Latitude: 33.55080787 N Longitude: 86.80340006 W
Media description: Dk brn silty clay w/ gravel damp

Aliquot #3: Latitude: 33.55073964 N Longitude: 86.80328637 W
Media description: same as above

Aliquot #4: Latitude: 33.55080365 N Longitude: 86.80323606 W
Media description: same as above

Aliquot #5: Latitude: 33.55068148 N Longitude: 86.80323575 W
Media description: same as above

(b) (6)

ADDRESS:

PROPERTY ID:

CW1050

DATE:

3/27/13

ARRIVAL TIME:

1400

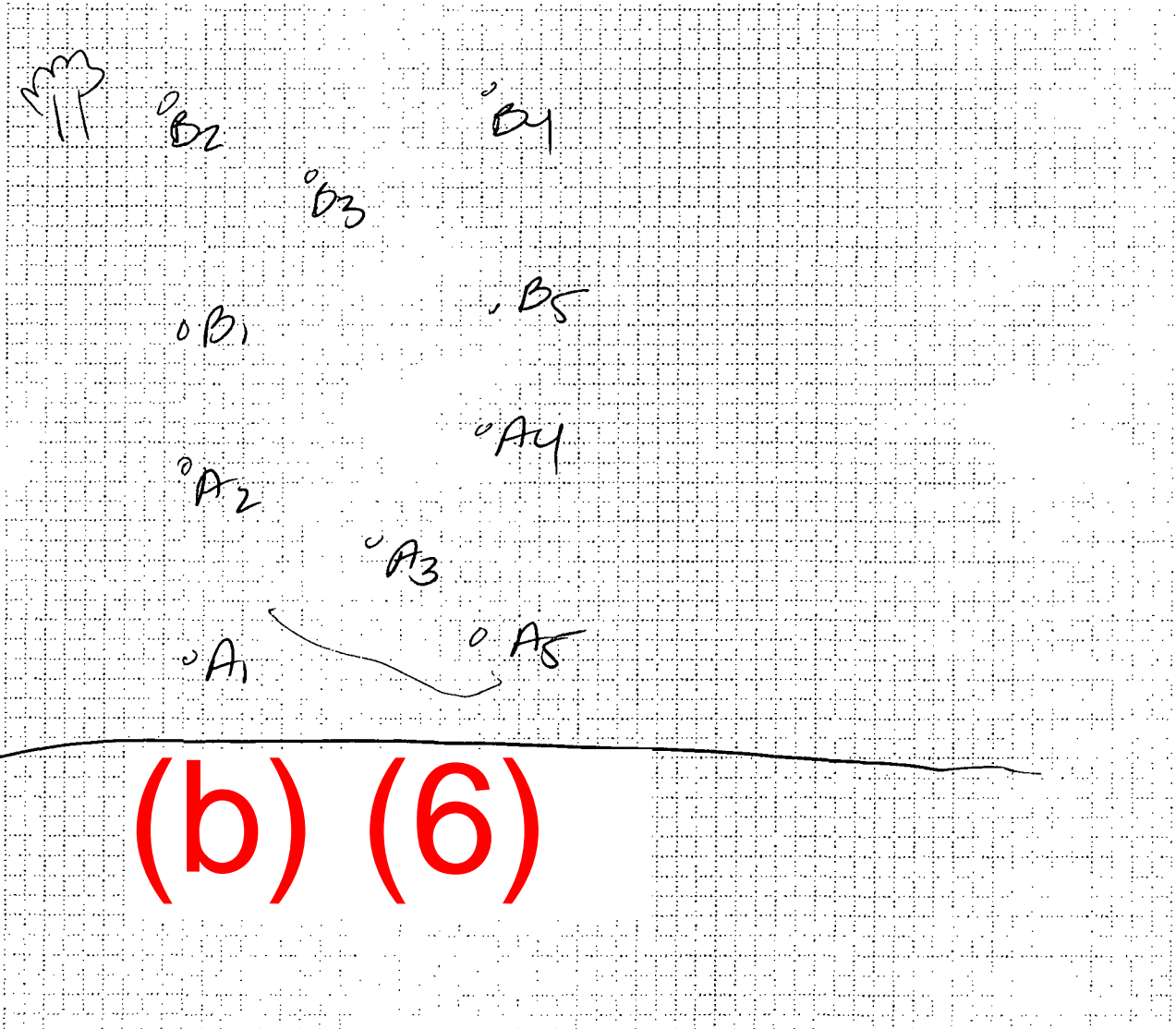
Other pertinent information (weather conditions, etc.):

53°F, sunny

PROPERTY COMMENTS:

City vacant lot

Grid for property sketch



(b) (6)

STATION ID: CV1050A SAMPLE ID: CV1050A-CS

SAMPLE COLLECTION TIME: 1430

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

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

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.55053088</u>	N Longitude: <u>86.80319828</u>	W	
	Media description: <u>DK silt w/ coal</u>			
Aliquot #2:	Latitude: <u>33.55065056</u>	N Longitude: <u>86.80319545</u>	W	
	Media description: <u>Brown/tan silty clay w/ coal</u>			
Aliquot #3:	Latitude: <u>33.55099621</u>	N Longitude: <u>86.80314894</u>	W	
	Media description: <u>Same as above</u>			
Aliquot #4:	Latitude: <u>33.55064396</u>	N Longitude: <u>86.80310703</u>	W	
	Media description: <u>Same as above</u>			
Aliquot #5:	Latitude: <u>33.55053103</u>	N Longitude: <u>86.80311575</u>	W	
	Media description: <u>tan sandy silt w/ gravel</u>			

STATION ID: CV1050B SAMPLE ID: CV1050B-CS

SAMPLE COLLECTION TIME: 1435

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

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

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

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/>	or N
Aliquot #1:	Latitude: <u>33.55068852</u>	N Longitude: <u>86.80319787</u>	W	
	Media description: <u>light brown sandy silt w/ gravel</u>			
Aliquot #2:	Latitude: <u>33.55080240</u>	N Longitude: <u>86.80319438</u>	W	
	Media description: <u>DK brown silty clay w/ coal</u>			
Aliquot #3:	Latitude: <u>33.55073626</u>	N Longitude: <u>86.80314526</u>	W	
	Media description: <u>same as above</u>			
Aliquot #4:	Latitude: <u>33.55079464</u>	N Longitude: <u>86.80310275</u>	W	
	Media description: <u>Same as above</u>			
Aliquot #5:	Latitude: <u>33.55068600</u>	N Longitude: <u>86.80310372</u>	W	
	Media description: <u>Same as above</u>			

(b) (6)

ADDRESS: _____ PROPERTY ID: 0V1047

DATE: 3/27/13 ARRIVAL TIME: 1400

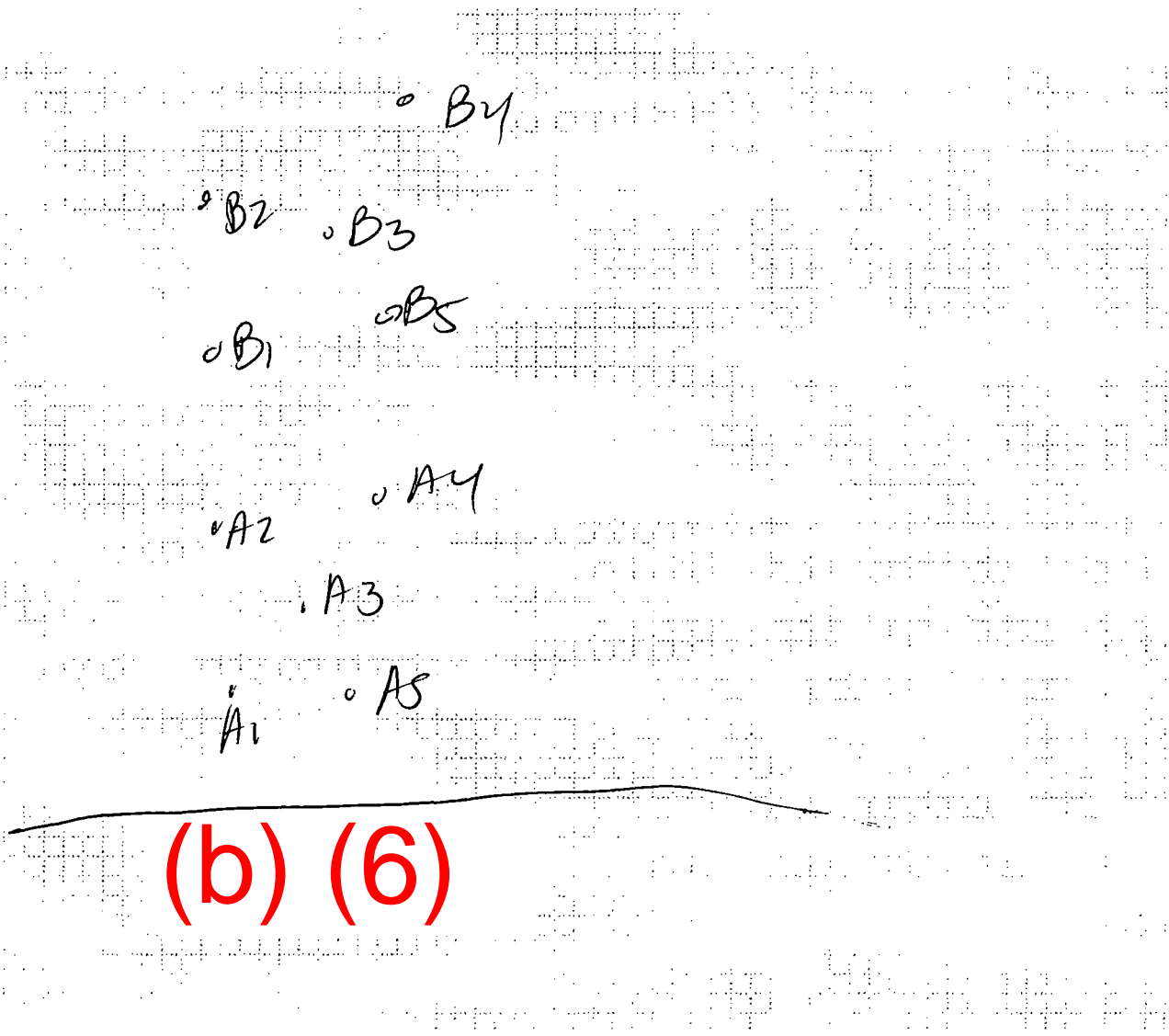
Other pertinent information (weather conditions, etc.):

53°F, sunny

PROPERTY COMMENTS:

City Vacant lot

Grid for property sketch



(b) (6)

STATION ID: CV1047A SAMPLE ID: CV1047A-CS

SAMPLE COLLECTION TIME: 1450

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55053342</u> N Longitude <u>86.80352008</u> W Media description: <u>Brown sandy clay w/ gravel</u>
Aliquot #2: Latitude: <u>33.55065267</u> N Longitude <u>86.80353421</u> W Media description: _____
Aliquot #3: Latitude: <u>33.55059368</u> N Longitude <u>86.80346073</u> W Media description: _____
Aliquot #4: Latitude: <u>33.55064688</u> N Longitude <u>86.80342391</u> W Media description: _____
Aliquot #5: Latitude: <u>33.55052500</u> N Longitude <u>86.80341614</u> W Media description: _____

STATION ID: CV1047B SAMPLE ID: CV1047B-CS

SAMPLE COLLECTION TIME: 1459

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>018594</u> Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55068821</u> N Longitude <u>86.80353107</u> W Media description: <u>33. Die brown silty clay w/ coal</u>
Aliquot #2: Latitude: <u>33.55077805</u> N Longitude <u>86.80355139</u> W Media description: _____
Aliquot #3: Latitude: <u>33.55073005</u> N Longitude <u>86.80348931</u> W Media description: _____
Aliquot #4: Latitude: <u>33.55079361</u> N Longitude <u>86.80342444</u> W Media description: _____
Aliquot #5: Latitude: <u>33.55068819</u> N Longitude <u>86.80342029</u> W Media description: _____

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

PROPERTY ID: CV1119

DATE: 3/28/13

ARRIVAL TIME: 0815

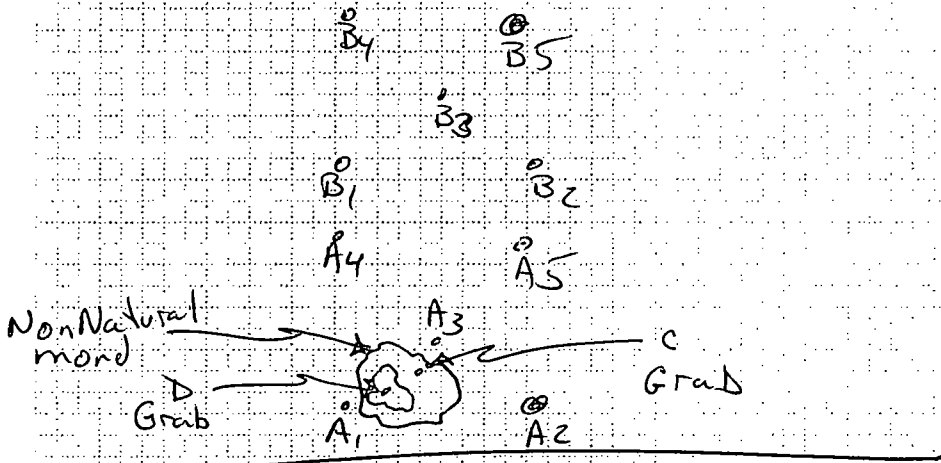
Other pertinent information (weather conditions, etc.):

43° sunny cool

PROPERTY COMMENTS:

empty City Parcel

Grid for property sketch



(b) (6)



STATION ID: CV1119 SAMPLE ID: CV1119A-CS

SAMPLE COLLECTION TIME: 915 ~~950~~ DR

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

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55137752</u> N Longitude <u>86.80449180</u> W	Media description: <u>Medium Brown silty clay</u>
Aliquot #2: Latitude: <u>33.55136381</u> N Longitude <u>86.80440500</u> W	Media description: <u>Dark Brown sandy clay w/ slag & coal</u>
Aliquot #3: Latitude: <u>33.55143880</u> N Longitude <u>86.80444323</u> W	Media description: <u>SAME A2</u>
Aliquot #4: Latitude: <u>33.55145996</u> N Longitude <u>86.80449039</u> W	Media description: <u>SAME A2</u>
Aliquot #5: Latitude: <u>33.55146527</u> N Longitude <u>86.80440177</u> W	Media description: <u>SAME A2</u>

STATION ID: CV1119 SAMPLE ID: CV1119B-CS

SAMPLE COLLECTION TIME: 925

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

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55149980</u> N Longitude <u>86.80448457</u> W	Media description: <u>Dark Brown clay/sand w/ coal & gravel</u>
Aliquot #2: Latitude: <u>33.55150004</u> N Longitude <u>86.80440702</u> W	Media description: <u>SAME B1</u>
Aliquot #3: Latitude: <u>33.55154541</u> N Longitude <u>86.80443947</u> W	Media description: <u>SAME B1</u>
Aliquot #4: Latitude: <u>33.55158665</u> N Longitude <u>86.80448269</u> W	Media description: <u>SAME B1</u>
Aliquot #5: Latitude: <u>33.55159303</u> N Longitude <u>86.80440755</u> W	Media description: <u>SAME B1</u>

ADDRESS: same

PROPERTY ID: CV1119

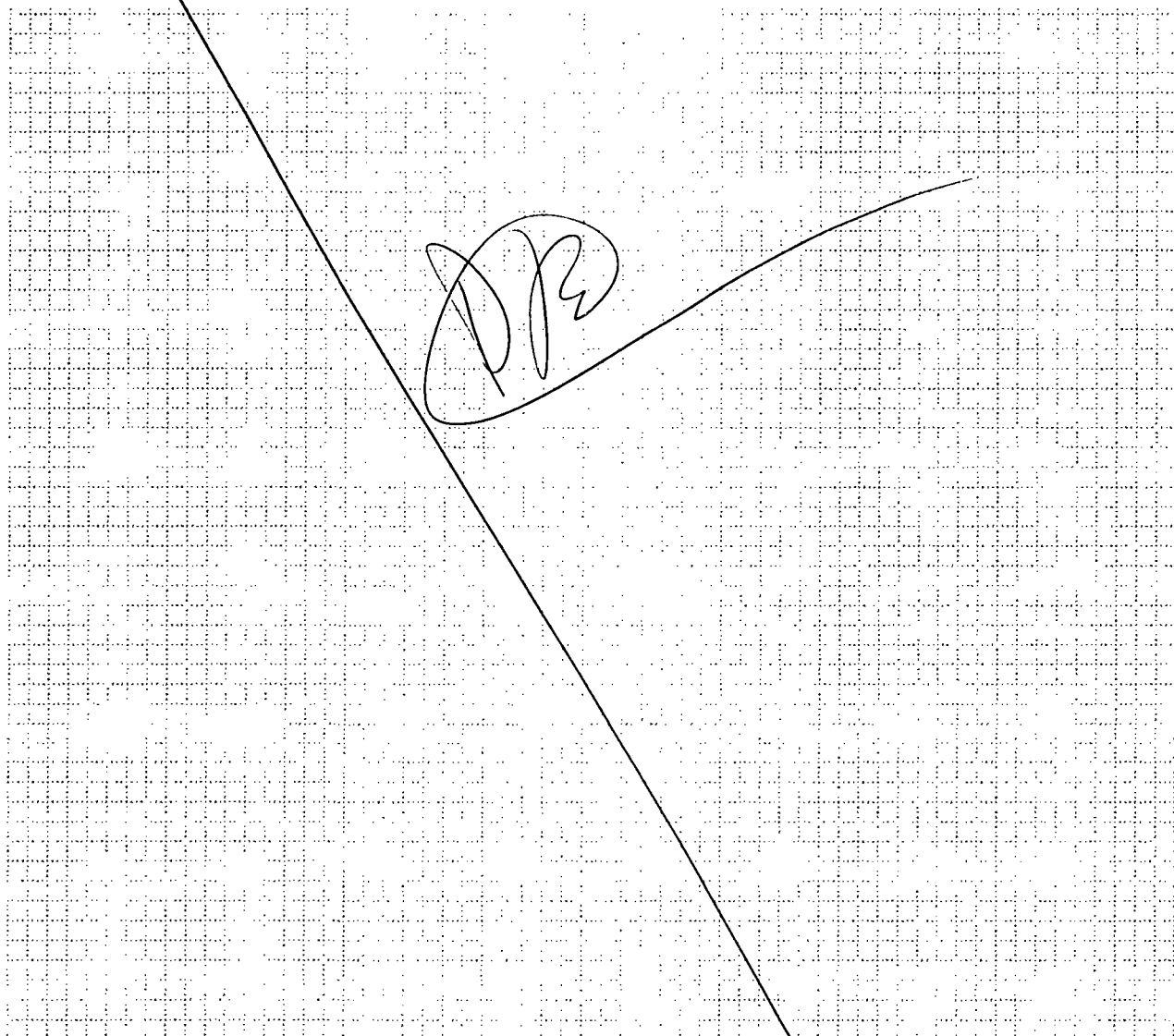
DATE: 3/28/13

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV 1119 SAMPLE ID: CV 1119C - G

SAMPLE COLLECTION TIME: 935

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

empty Parcel on Non Natural mound

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV 1119C - G - D

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55140605</u> N Longitude: <u>86.80443502</u> W	
Media description: <u>Dark Brown silty clay w/ coal & gravel</u>	
Aliquot #2: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #3: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #4: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #5: Latitude: _____ N Longitude: _____ W	
Media description: _____	

STATION ID: CV 1119 SAMPLE ID: CV 1119D - G

SAMPLE COLLECTION TIME: 940

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

empty Parcel on Non Natural mound.

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.55139409</u> N Longitude: <u>86.80444594</u> W	
Media description: <u>Black sandy silt</u>	
Aliquot #2: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #3: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #4: Latitude: _____ N Longitude: _____ W	
Media description: _____	
Aliquot #5: Latitude: _____ N Longitude: _____ W	
Media description: _____	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV 1120

DATE: 3/28/13 ARRIVAL TIME: 815

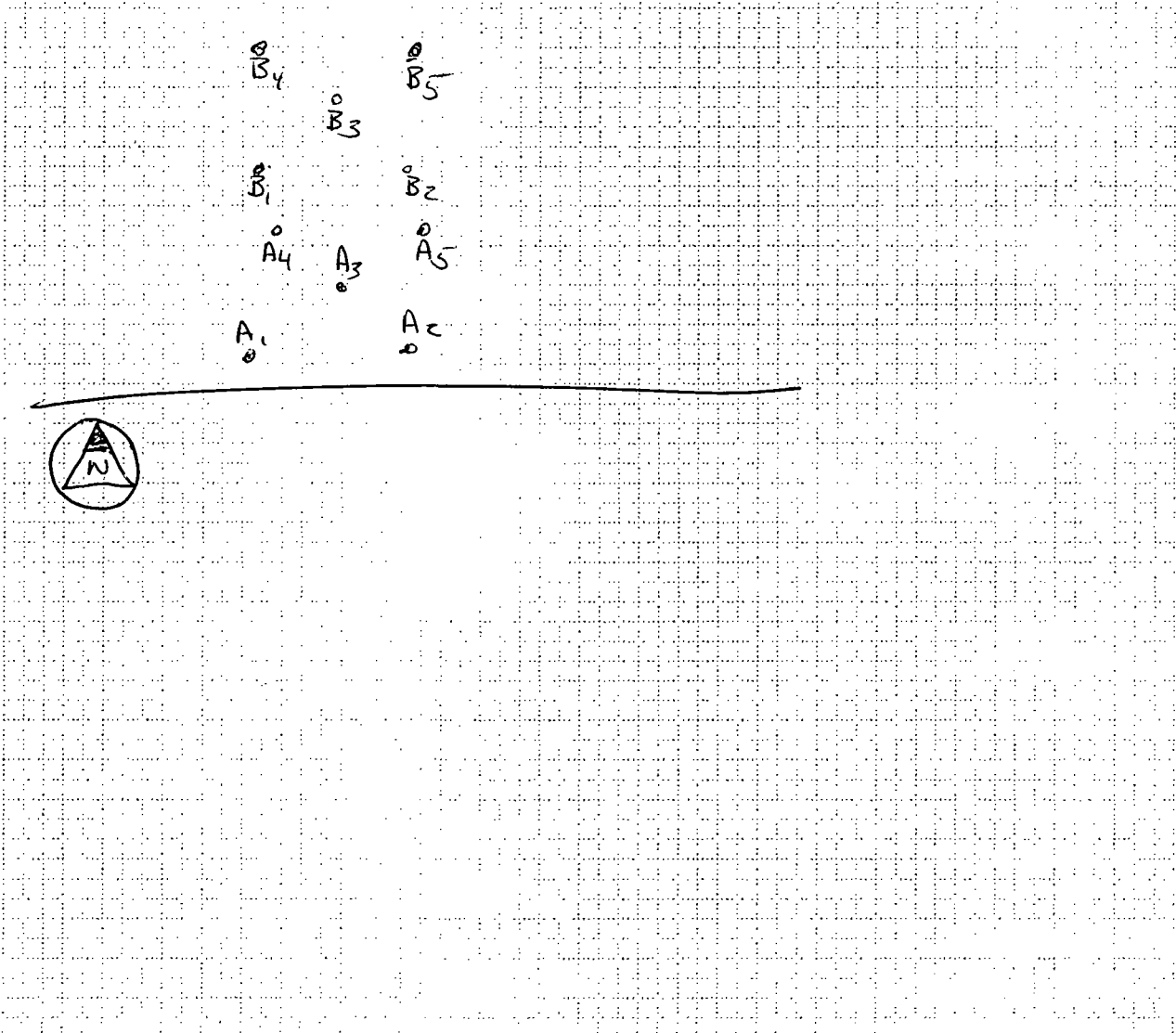
Other pertinent information (weather conditions, etc.):

~~empty city~~ 45° sunny cool

PROPERTY COMMENTS:

empty city parcel

Grid for property sketch



STATION ID: CV1120 SAMPLE ID: CV1120A-CS

SAMPLE COLLECTION TIME: 955

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N			
Aliquot #1: Latitude: <u>33,55136011</u>	N Longitude: <u>86,80433293</u>	W	
Media description: <u>Redish Brown Clay</u>			
Aliquot #2 Latitude: <u>33,55135691</u>	N Longitude: <u>86,80424935</u>	W	
Media description: <u>Medium Brown sandy clay with gravel</u>			
Aliquot #3: Latitude: <u>CV11 33,55142794</u>	N Longitude: <u>86,80428792</u>	W	
Media description: <u>TAN sandy clay w/coal</u>			
Aliquot #4: Latitude: <u>33,55145912</u>	N Longitude: <u>86,80434064</u>	W	
Media description: <u>same A3</u>			
Aliquot #5: Latitude: <u>33,55145238</u>	N Longitude: <u>86,80424701</u>	W	
Media description: <u>to TAN & Redish clay</u>			

STATION ID: CV1120 SAMPLE ID: CV1120B-CS

SAMPLE COLLECTION TIME: 1005

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

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N			
Aliquot #1: Latitude: <u>33,55149754</u>	N Longitude: <u>86,80434504</u>	W	
Media description: <u>TAN clay sand</u>			
Aliquot #2 Latitude: <u>33,55147789</u>	N Longitude: <u>86,80424330</u>	W	
Media description: <u>Red & Brown sandy clay</u>			
Aliquot #3: Latitude: <u>33,55152000</u>	N Longitude: <u>86,80428165</u>	W	
Media description: <u>Dark Brown sandy clay</u>			
Aliquot #4: Latitude: <u>33,55158911</u>	N Longitude: <u>86,80435478</u>	W	
Media description: <u>Dark Brown sandy clay w/ gravel</u>			
Aliquot #5: Latitude: <u>33,55158384</u>	N Longitude: <u>86,80424614</u>	W	
Media description: <u>SAME BY</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

CV 1122

DATE:

3/28/13

ARRIVAL TIME:

1030

Other pertinent information (weather conditions, etc.):

56° sunny cool

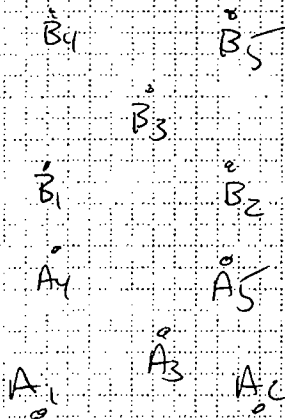
PROPERTY COMMENTS:

empty City Parcel

Grid for property sketch



(b) (6)



STATION ID: CV1122 SAMPLE ID: CV1122A-CS

SAMPLE COLLECTION TIME: 1050

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

empty city Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.55135320</u>	N Longitude <u>86.80420054</u>	W
	Media description:	<u>Red/brn and tan clay damp</u>	
Aliquot #2:	Latitude: <u>33.55135118</u>	N Longitude <u>86.80409693</u>	W
	Media description:	<u>Dk brn sandy silt damp</u>	
Aliquot #3:	Latitude: <u>33.55139609</u>	N Longitude <u>86.80413813</u>	W
	Media description:	<u>Red/brn clay with sand + gravel damp</u>	
Aliquot #4:	Latitude: <u>33.55143159</u>	N Longitude <u>86.80420449</u>	W
	Media description:	<u>Tan sandy clay damp</u>	
Aliquot #5:	Latitude: <u>33.55142437</u>	N Longitude <u>86.80409513</u>	W
	Media description:	<u>Dk brn sandy clay damp</u>	

STATION ID: CV1122 SAMPLE ID: CV1122B-CS

SAMPLE COLLECTION TIME: 1100

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

empty city Parcel

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>CV1122B1</u>	N Longitude <u>86.80419955</u>	W
	Media description:	<u>33.55147205 Dark Brown clay w/sand & gravel</u>	
Aliquot #2:	Latitude: <u>33.55146932</u>	N Longitude <u>86.80409576</u>	W
	Media description:	<u>TAN & orange sandy clay / coal</u>	
Aliquot #3:	Latitude: <u>33.55151620</u>	N Longitude <u>86.80414315</u>	W
	Media description:	<u>TAN & orange sandy clay</u>	
Aliquot #4:	Latitude: <u>33.55155821</u>	N Longitude <u>86.80419361</u>	W
	Media description:	<u>Dark Brown clay silt w/ gravel</u>	
Aliquot #5:	Latitude: <u>33.55155405</u>	N Longitude <u>86.80409047</u>	W
	Media description:	<u>SAME BY</u>	

ADDRESS: _____ PROPERTY ID: CV1124

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

End of Logbook
N. Stubb
03/28/13

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