LB000105

United States Environmental Protection Agency
Region 4

OTIE
Oneida Total Integrated Enterprises

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FIELD SAMPLING LOGBOOK

Book 1 **of** ____

Inclusive Dates: 9/3/2014 -

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
		,Team Leader
Nairimer Barrios-Cartagena	NB	OTIE, sampler
Ryan Stubbs	RS	OTIE/Sampler
Jeremy Partlap	JP	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.

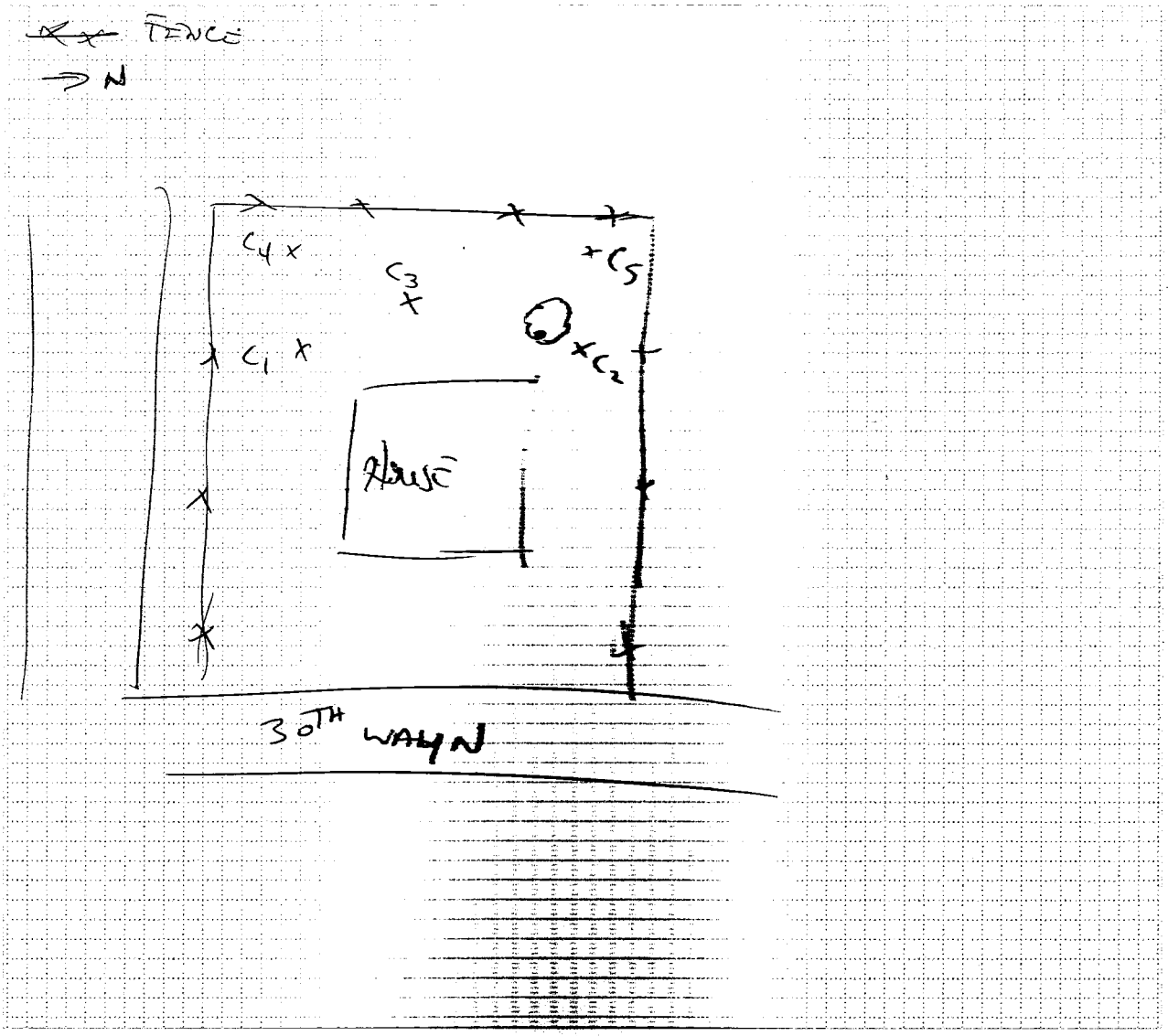
The ***sample ID*** for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID.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

ADDRESS: 3334 30TH WAY NORTH **PROPERTY ID:** CV0965
DATE: 9/3/14 **ARRIVAL TIME:** 1440

Other pertinent information (weather conditions, etc.):
90°F SUNNY

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0965C **SAMPLE ID:** CV0965C-CS6"

SAMPLE COLLECTION TIME: 1500

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

% moisture = 0.0

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 [X] Instrument #: Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55710409800 N *Longitude* -86.80704388760 W

Media description: GRASS, TOPSOIL, BWN SANDY SILT W/GRAVEL, GLASS, COAL FRAGS, DRY, NO ODOR

Aliquot #2 *Latitude:* 33.55731811490 N *Longitude* -86.80703414710 W

Media description: SAA

Aliquot #3: *Latitude:* 33.55720094350 N *Longitude* -86.80708685850 W

Media description: SAA

Aliquot #4: *Latitude:* 33.55711452850 N *Longitude* -86.80711246390 W

Media description: SAA

Aliquot #5: *Latitude:* 33.55731792100 N *Longitude* -86.80711419830 W

Media description: GRASS TOPSOIL SILTY CLAY W/GRAVEL, COAL, BRICKS, GLASS, HOUSEHOLD DEBRIS, DRY, NO ODOR

* SAA – SAME AS ABOVE

STATION ID: CV0965C **SAMPLE ID:** CV0965C-CS12"

SAMPLE COLLECTION TIME: 1510

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

% moisture = 6.1

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 [X] Instrument #: Logged? (Y) or N

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

Media description: BWN SANDY SILT W/GRAVEL, BRICKS, GLASS, COAL, DRY, NO ODOR

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

Media description: SAA

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

Media description: SAA

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

Media description: SAA

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

Media description: BWN TAN CLAY, DRY, NO ODOR

* SAA – SAME AS ABOVE

ADDRESS: _____ **PROPERTY ID:** CV0465

DATE: 9/3/14 **A[redacted]:** _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

SEE PG 6

STATION ID: CV0965C SAMPLE ID: CV0965C-CS18"

SAMPLE COLLECTION TIME: 1520

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

% moisture = 4.8

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 [X] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: BRN SILTY SAND W/ GRAVEL, COAL, DRY, NO ODOR

Aliquot #2 Latitude: N Longitude W

Media description: TAN SILTY SAND W/ GRAVEL + ~~COAL~~, DRY, NO ODOR

Aliquot #3: Latitude: N Longitude W

Media description: BRN SILTY SAND W/ GRAVEL + COAL FRAGS, DRY, NO ODOR

Aliquot #4: Latitude: N Longitude W

Media description: DK BRN SILTY SAND W/ GRAVEL + ~~COAL~~ TR COAL FRAGS, DRY, NO ODOR

Aliquot #5: Latitude: N Longitude W

Media description: ORANGE/TAN CLAY, DRY, NO ODOR

STATION ID: CV0965C SAMPLE ID: CV0965C-CS24"

SAMPLE COLLECTION TIME: 1530

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

% moisture = 9.0

Collection: Composite or Grab MS/MSD? Y or ~~N~~ TR RS

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

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

Aliquot #1: Latitude: N Longitude W

Media description: ORANGE/TAN SILTY CLAY, DRY, NO ODOR

Aliquot #2 Latitude: N Longitude W

Media description: DK BRN SILTY CLAY, DRY, NO ODOR

Aliquot #3: Latitude: N Longitude W

Media description: ORANGE SILTY CLAY, DRY, NO ODOR

Aliquot #4: Latitude: N Longitude W

Media description: ORANGE SILTY CLAY, DRY, NO ODOR

Aliquot #5: Latitude: N Longitude W

Media description: TAN CLAY, DRY, NO ODOR

* Coordinates same as CV0965C

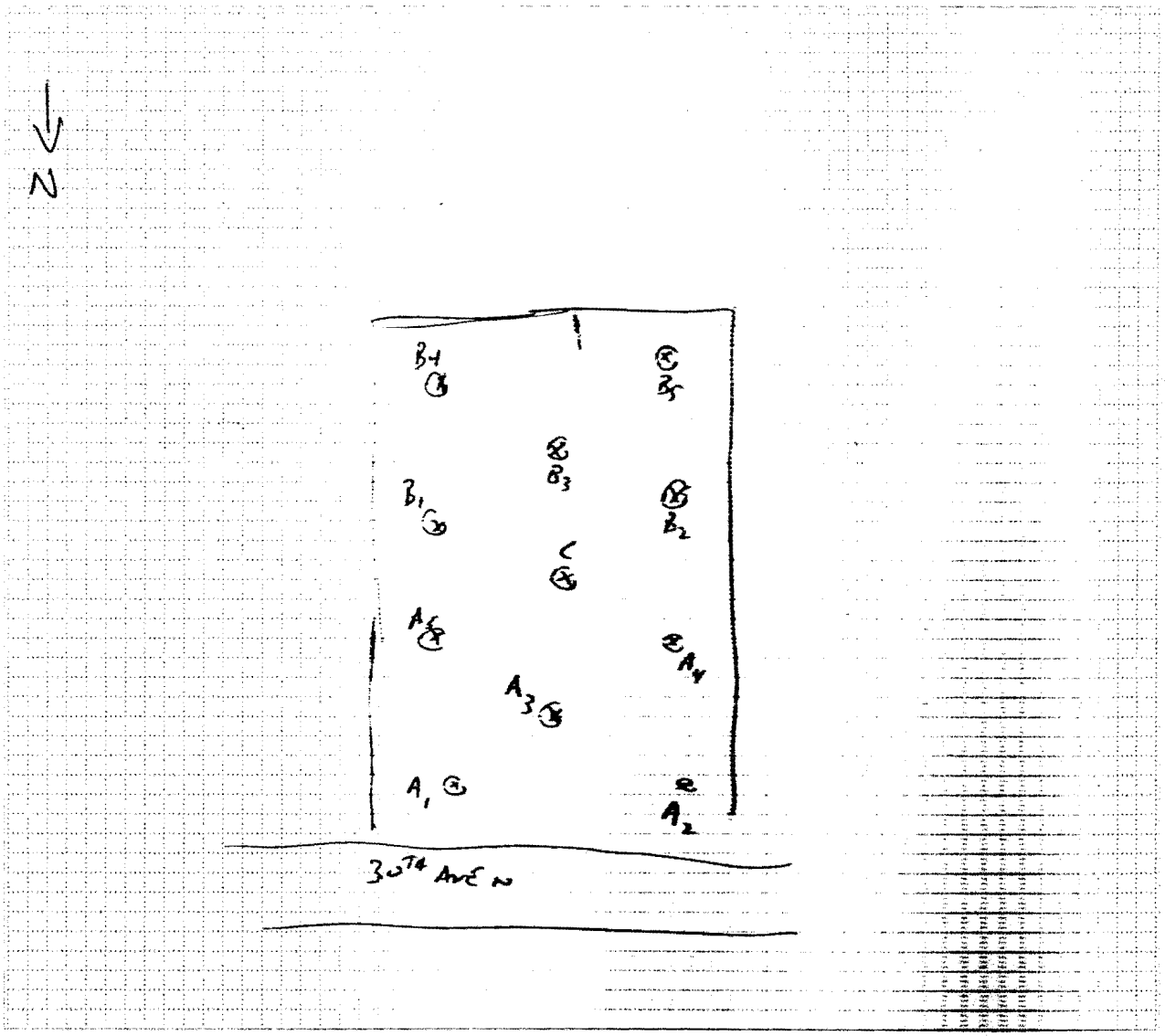
ADDRESS: 3436 30TH AVE N **PROPERTY ID:** CV0755

DATE: 9/4/14 **ARRIVAL TIME:** 0800

Other pertinent information (weather conditions, etc.):
73°F CLOUDY

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0755A **SAMPLE ID:** CV0755A-CS6"

SAMPLE COLLECTION TIME: 0845

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

% moisture = 0.03

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

Field Duplicate or Split: Yes or No *If yes, indicate* **Duplicate/split sample station ID:** CV0755A-CSD6" @ 0850

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

Aliquot #1: *Latitude:* 33.55283961340 N *Longitude* -86.79670415740 W

Media description: GRASS, DK BWN SANDY SILT TOPSOIL W/ GRAVEL, GLASS, COAL FRAGS, DAMP, NO ODOR, REFUSAL @ 4"

Aliquot #2 *Latitude:* 33.55285323580 N *Longitude* -86.79663162720 W

Media description: GRASS TOPSOIL, ORANGE/RED SILTY CLAY W/ GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #3: *Latitude:* 33.55291088790 N *Longitude* -86.79667145290 W

Media description: GRASS, TOPSOIL, DK BWN SANDY SILT W/ COAL FRAGS, GRAVEL, GLASS, DRY, NO ODOR, REFUSAL @ 4"

Aliquot #4: *Latitude:* 33.55297262920 N *Longitude* -86.79670955720 W

Media description: GRASS, TOPSOIL, DK BWN SANDY SILT W/ COAL FRAGS, GRAVEL, GLASS, DRY, NO ODOR

Aliquot #5: *Latitude:* 33.55297876260 N *Longitude* -86.79663429670 W

Media description: SAA @ ALIQUOT #4

*SAA - SAME AS ABOVE

STATION ID: CV0755A **SAMPLE ID:** CV0755A-CS12"

SAMPLE COLLECTION TIME: 0855

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

% moisture = 0.8

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 [X] Instrument #: _____ Logged? Y or N

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

Media description: REFUSAL @ 4"

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

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

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

Media description: REFUSAL @ 4"

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

Media description: TAN SILTY CLAY, DRY, NO ODOR

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

Media description: TAN SILTY CLAY, DRY, NO ODOR

*Coordinates same as CV0755A-CS6"

ADDRESS: _____ **PROPERTY ID:** 6V0755

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

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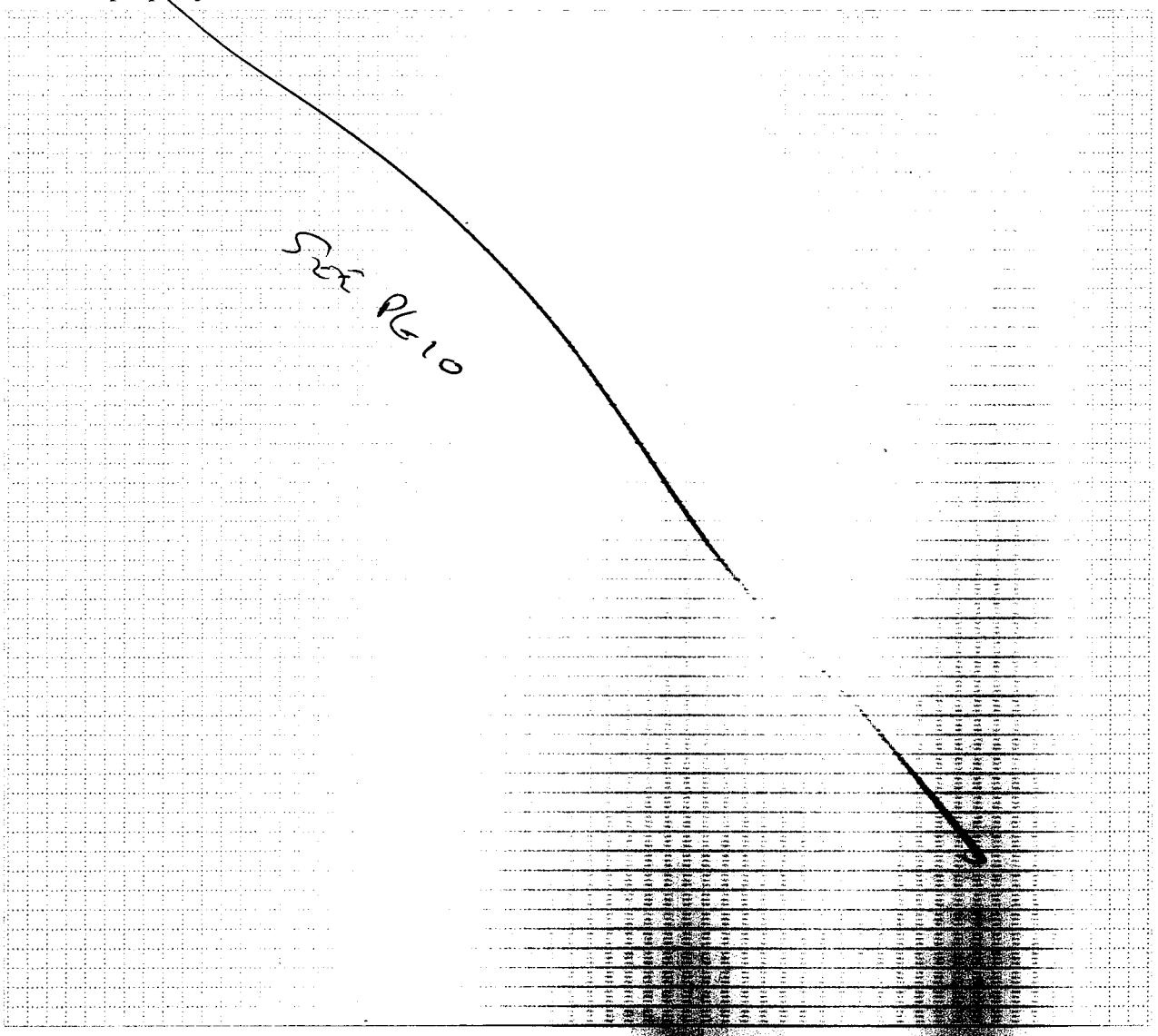
Grid for property sketch



STATION ID: CV0755A SAMPLE ID: CV0755B-CS18"

SAMPLE COLLECTION TIME: 0905

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

% moisture = 5.9

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 [A] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: REFUSAL @ 4"

Aliquot #2 Latitude: N Longitude W

Media description: ~~REDDISH~~ JB ORANGE/RED SILTY CLAY, DRY, NO ODOR

Aliquot #3: Latitude: N Longitude W

Media description: REFUSAL @ 4"

Aliquot #4: Latitude: N Longitude W

Media description: TAN SILTY CLAY, DRY, NO ODOR

Aliquot #5: Latitude: N Longitude W

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

* coordinates same as CV0755A-CS6"

STATION ID: CV0755A SAMPLE ID: CV0755B-CS24"

SAMPLE COLLECTION TIME: 0915

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

% moisture = 7.4

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 [A] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: REFUSAL @ 4"

Aliquot #2 Latitude: N Longitude W

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

Aliquot #3: Latitude: N Longitude W

Media description: REFUSAL @ 4"

Aliquot #4: Latitude: N Longitude W

Media description: TAN SILTY CLAY, DRY, NO ODOR

Aliquot #5: Latitude: N Longitude W

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

* coordinates same as CV0755A-CS6"

ADDRESS: _____ **PROPERTY ID:** C/0255

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

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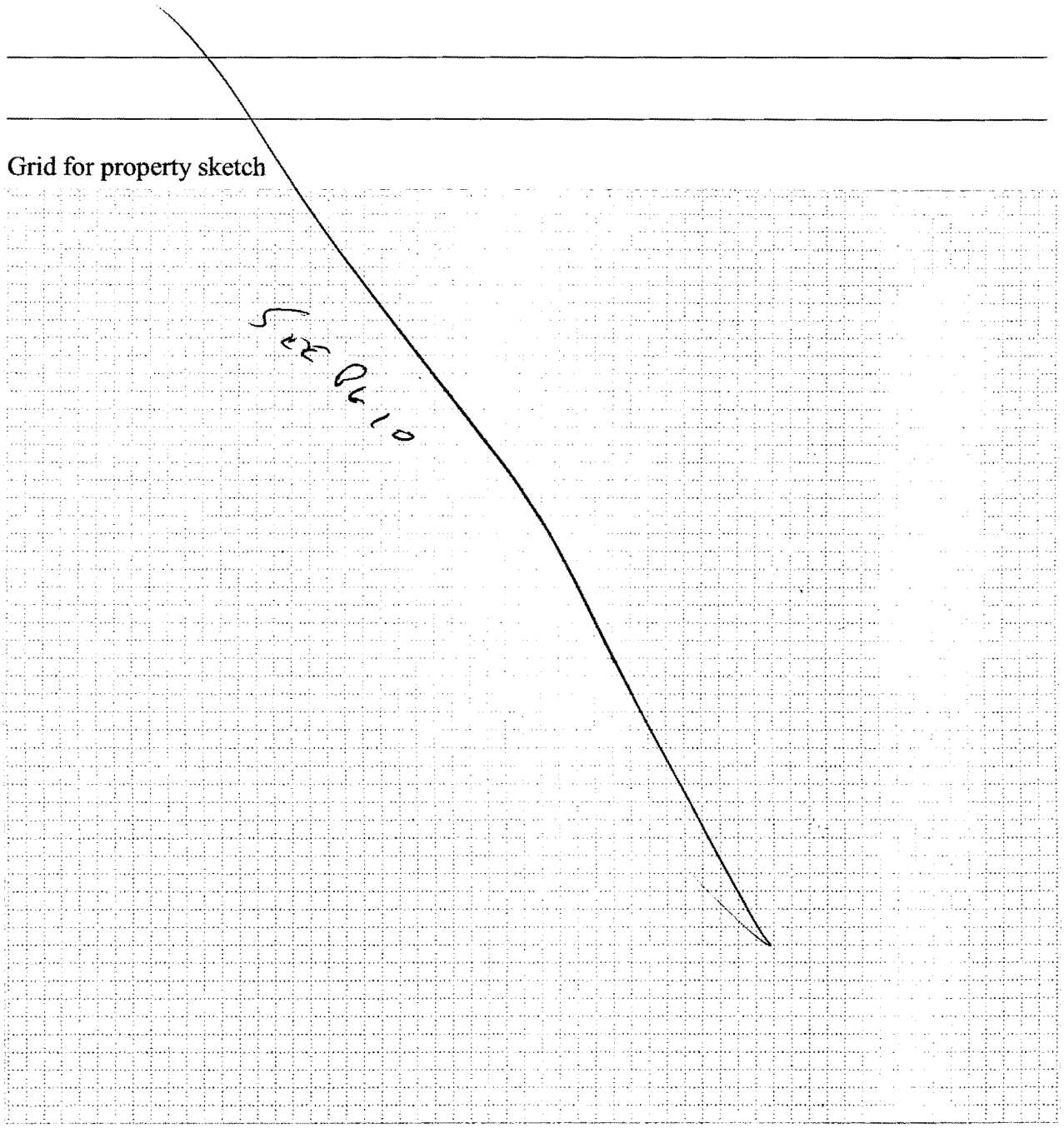
Grid for property sketch



STATION ID: CV07553 SAMPLE ID: CV07553-CS4"

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

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

Aliquot #1: Latitude: 33.55303921700 N Longitude -86.79671673170 W

Media description: GRASS, DK BWN TOPSOIL W/ COAL FRAGS, GRAVEL + GLASS, DRY NO ODOR

Aliquot #2 Latitude: 33.55304980490 N Longitude -86.79664632960 W

Media description: SAA

Aliquot #3: Latitude: 33.55309624510 N Longitude -86.79668619270 W

Media description: SAA

Aliquot #4: Latitude: 33.55316749340 N Longitude -86.79671633900 W

Media description: SAA

Aliquot #5: Latitude 33.55316784620 N Longitude -86.79666937390 W

Media description: SAA

* SAA - SAME AS ABOVE

STATION ID: CV07553 SAMPLE ID: CV07553-CS6"

SAMPLE COLLECTION TIME: 0940

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

1.9% MOISTURE

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 [X] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: DK BWN SAND SILT W/ COAL FRAGS, GRAVEL, GLASS, DRY, NO ODOR

Aliquot #2 Latitude: N Longitude W

Media description: SAA

Aliquot #3: Latitude: N Longitude W

Media description: SAA

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: SAA

* SAA - SAME AS ABOVE

ADDRESS: _____ **PROPERTY ID:** CV0755

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

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Grid for property sketch

See pg 10

STATION ID: CV07553B **SAMPLE ID:** CV07553B - CS12"

SAMPLE COLLECTION TIME: 0950

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

2.6% MOISTURE

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

Field Duplicate or Split: Yes or No *If yes, indicate* **Duplicate/split sample station ID:** CV07553B - CS012" @0955

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

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

Media description: TAN SANDY SILT, DRY, NO ODOR

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

Media description: TAN SANDY SILT W/ COAL FRAGS + GRAVEL, DRY, NO ODOR

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

Media description: TAN SANDY SILT W/ SLAG, COAL FRAGS, GRAVEL, DRY, NO ODOR

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

Media description: TAN SANDY SILT W/ COAL FRAGS, GRAVEL, DRY, NO ODOR, REFUSAL @12"

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

Media description: TAN SANDY SILT W/ GRAVEL, DRY, NO ODOR

STATION ID: CV07553B **SAMPLE ID:** CV07553B - CS18"

SAMPLE COLLECTION TIME: 1000

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

2.3% MOISTURE

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

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

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

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

Media description: ORANGE/RED SILTY CLAY W/ GRAVEL, DRY, NO ODOR

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

Media description: BROWN SANDY SILT W/ GRAVEL, DRY, NO ODOR

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

Media description: BROWN SILTY CLAY, DRY, NO ODOR, REFUSAL @18"

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

Media description: REFUSAL @ 12"

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

Media description: RED/ORANGE SILTY CLAY W/ GRAVEL + GLASS, DRY, NO ODOR

ADDRESS: _____ **PROPERTY ID:** 610755

DATE: 9/4/19 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

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Grid for property sketch

See back

STATION ID: CV0755B **SAMPLE ID:** CV0755B - CS24"

SAMPLE COLLECTION TIME: 1010

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

8.1% MOISTURE

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/RED SILTY CLAY, DRY, NO ODOR

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

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

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

Media description: REFUSAL @ 18"

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

Media description: REFUSAL @ 12"

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

Media description: ORANGE/RED SILTY CLAY, DRY, NO ODOR

* coordinates same as CV0755B-CS4"

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: _____ **PROPERTY ID:** CU0755

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

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Grid for property sketch

See Pg 10

STATION ID: CV0755C SAMPLE ID: CV0755C-CS6"

SAMPLE COLLECTION TIME: 1020

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

0.0% MOISTURE

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 [X] Instrument #: Logged? Y or N

Aliquot #1: *Latitude:* 33.55300396290 N *Longitude* -86.79665898490 W

Media description: GRASS, DK BWN TO WHITE SANDY SILT W/ROOTS, COAL FRAGS, GRAVEL, DRY, NO ODOR

Aliquot #2 *Latitude:* 33.55300136520 N *Longitude* -86.79666514360 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: CV0755C SAMPLE ID: CV0755C-CS12"

SAMPLE COLLECTION TIME: 1030

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

0.0% MOISTURE

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 [X] Instrument #: Logged? Y or N

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

Media description: BWN SANDY SILT W/GRAVEL, DRY, NO ODOR

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:

*Coordinates same as CV0755C-CS6"

ADDRESS: _____ **PROPERTY ID:** 6V0755

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

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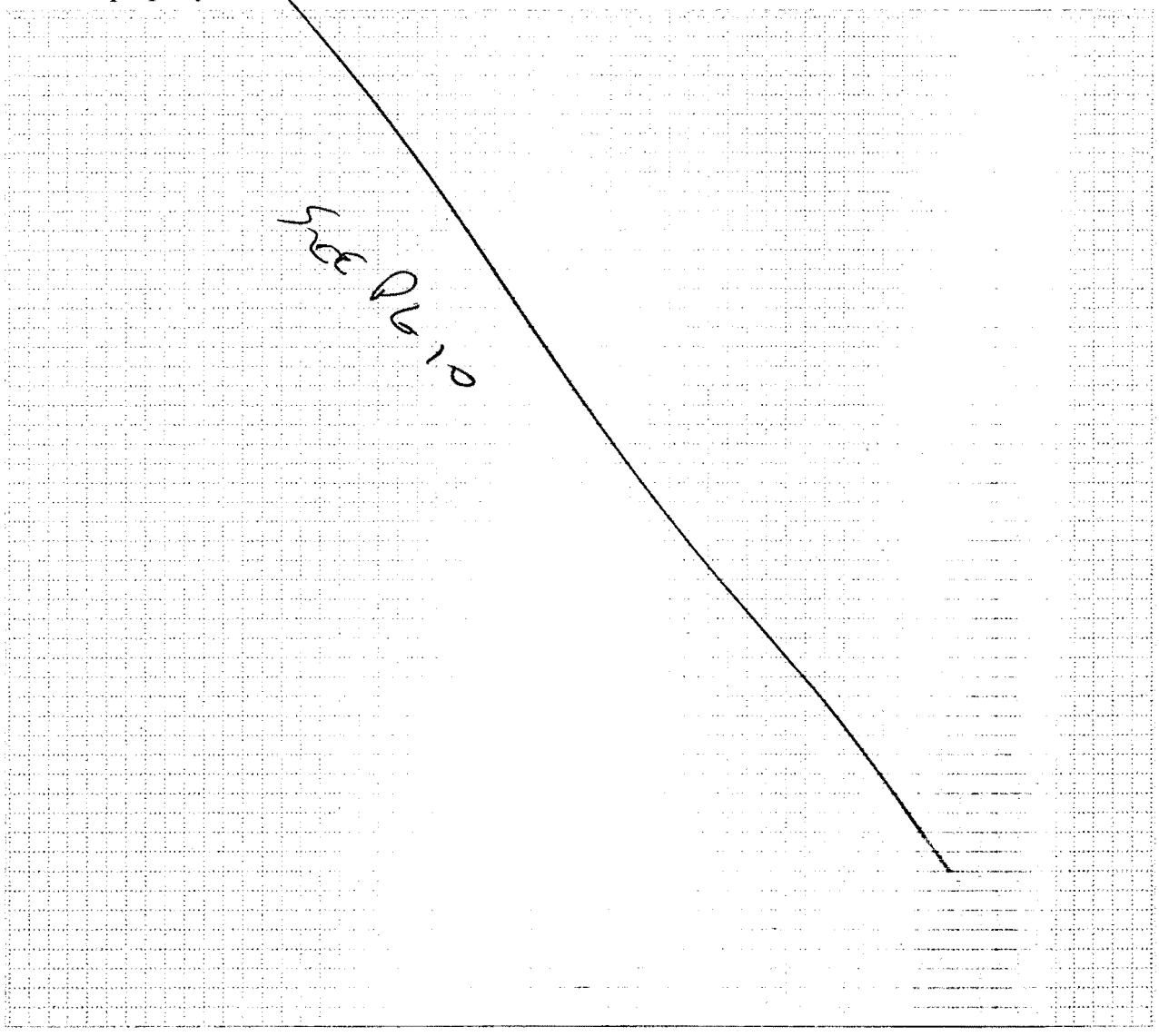
Grid for property sketch



STATION ID: CV0755C SAMPLE ID: CV0755C-CS18

SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard: vegetable garden: play set; ditch, etc): 7.1% MOISTURE

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 [a] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: ORANGE SILTY CLAY, DRY, NO ODOR

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:

*coordinates same as CV0755C-CS6'

STATION ID: CV0755C SAMPLE ID: CV0755C-CS24

SAMPLE COLLECTION TIME: 1050

Description of sample location (front, back, side yard: vegetable garden: play set; ditch, etc): 7.3% MOISTURE

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 [K] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: RED/ORANGE SILTY CLAY, DRY, NO ODOR

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:

*coordinates same as CV0755C-CS6'

ADDRESS: 3528 42nd Ave North **PROPERTY ID:** HP0082

DATE: 9/4/14 **ARRIVAL TIME:** 1100

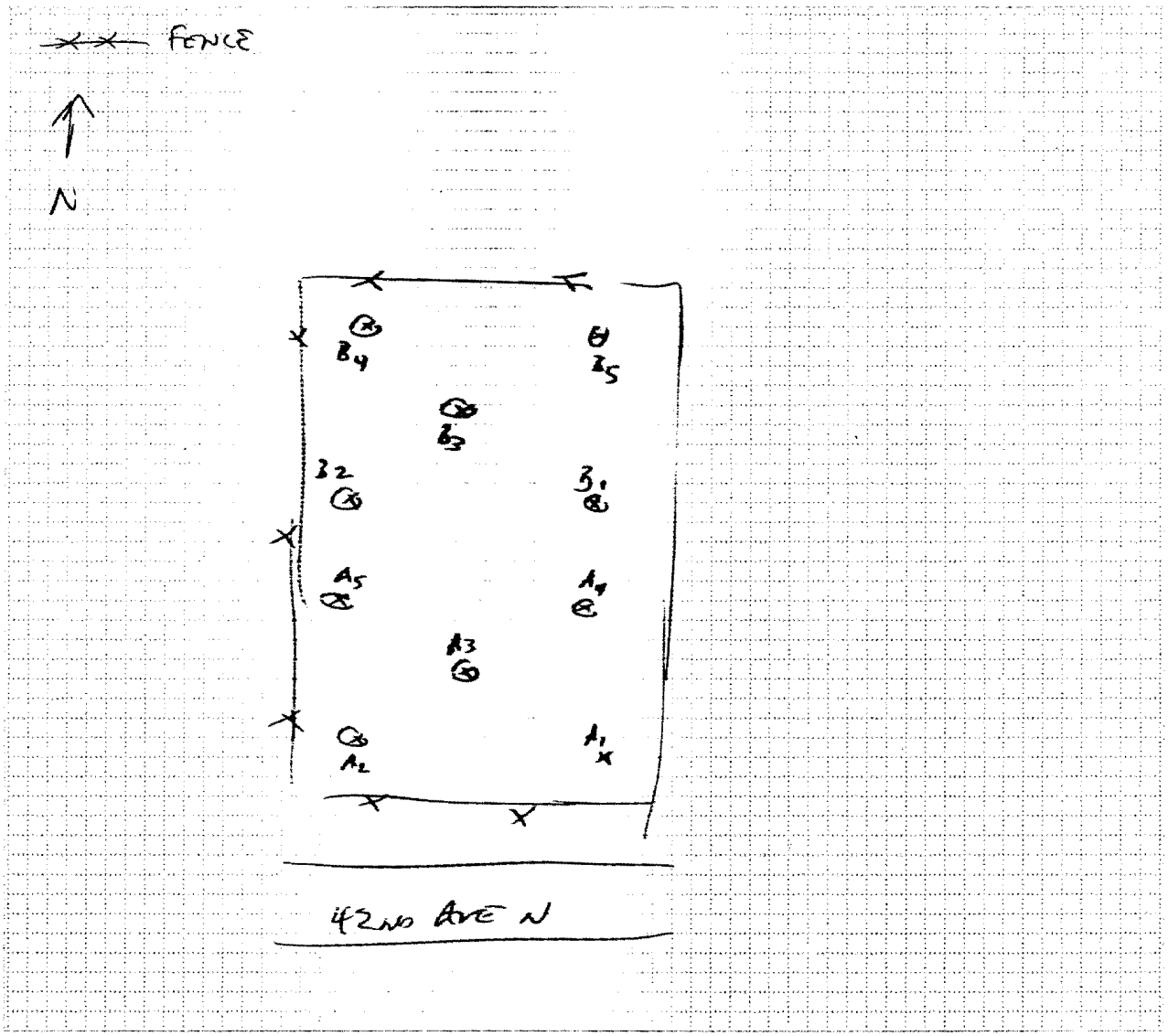
Other pertinent information (weather conditions, etc.):

81°F CLOUDY

PROPERTY COMMENTS:

VACANT LOT

Grid for property sketch



STATION ID: HP 0082A SAMPLE ID: HP0082A-CS4"

SAMPLE COLLECTION TIME: 1110

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

VACANT LOT, FRONT 10.1% MOISTURE

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 [X] Instrument #: Logged? (Y) or N

Aliquot #1: Latitude: 33.565093132 40 N Longitude -86.795449965 70 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #2 Latitude: 33.565096233 00 N Longitude -86.795526003 80 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #3: Latitude: 33.565149999 200 N Longitude -86.795492610 90 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #4: Latitude: 33.565209748 80 N Longitude -86.795538222 90 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #5: Latitude: 33.565205452 70 N Longitude -86.795437561 760 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

STATION ID: HP 0082B SAMPLE ID: HP0082B-CS4"

SAMPLE COLLECTION TIME: 1120

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

VACANT LOT, VACANT LOT B 7.5% MOISTURE

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 [X] Instrument #: Logged? (Y) or N

Aliquot #1: Latitude: 33.565251345 70 N Longitude -86.795448438 10 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #2 Latitude: 33.565248426 80 N Longitude - 86.795532123 40 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #3: Latitude: 33.565349471 10 N Longitude - 86.795480087 50 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #4: Latitude: 33.565427727 0 N Longitude - 86.795514458 80 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

Aliquot #5: Latitude: 33.565423413 40 N Longitude -86.795450952 70 W

Media description: BWN SANDY SILT W/GRAVEL, COAL FRAGS, GLASS, DRY, NO ODOR

ADDRESS: 3169 46th Ave North **PROPERTY ID:** FM0230

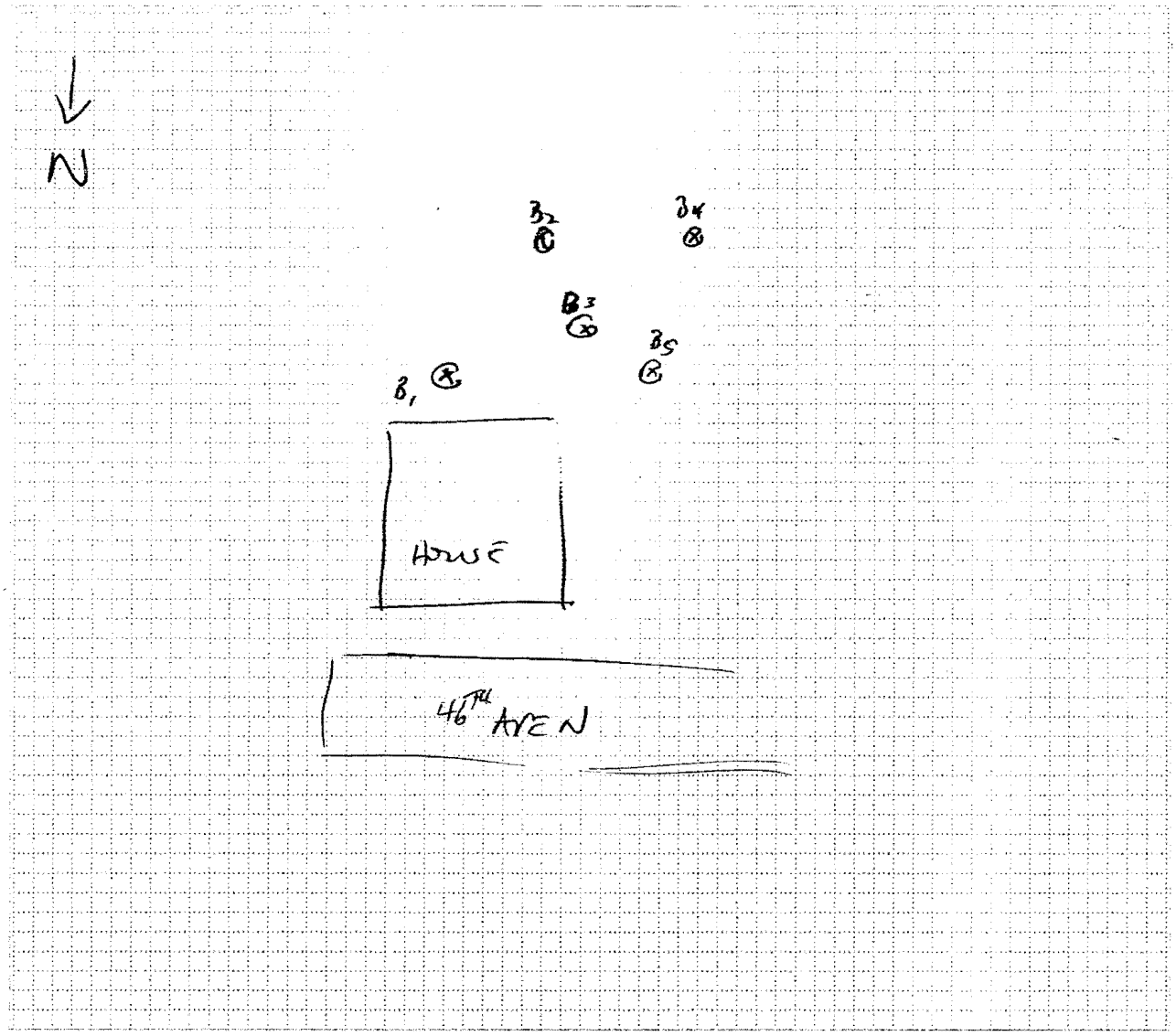
DATE: 9/4/14 **ARRIVAL TIME:** 1215

Other pertinent information (weather conditions, etc.):

86°F Sunny

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: FM0230B SAMPLE ID: FM0230B-CS6"

SAMPLE COLLECTION TIME: 1330

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

1.1% MOISTURE

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 [X] Instrument #: Logged? Y or N

Aliquot #1: Latitude: 33.57084660060 N Longitude -86.80414940410 W

Media description: GRASS, OILY SURFACE, BLWN SANDY SILT W/GRAVEL, DRY, NO ODOR

Aliquot #2 Latitude: 33.57079081500 N Longitude -86.80414882390 W

Media description: ~~SAA~~ GRASS, BLWN SANDY SILT W/GRAVEL, DRY, NO ODOR

Aliquot #3: Latitude: 33.57082836780 N Longitude -86.80418275980 W

Media description: SAA

Aliquot #4: Latitude: 33.57079438670 N Longitude -86.80421992650 W

Media description: SAA

Aliquot #5: Latitude: 33.57086018010 N Longitude -86.80422799940 W

Media description: SAA

* SAA - SAME AS ABOVE

STATION ID: FM0230B SAMPLE ID: FM0230B-CS12

SAMPLE COLLECTION TIME: 1340

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

0.0% MOISTURE

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 [X] Instrument #: Logged? Y or N

Aliquot #1: Latitude: N Longitude W

Media description: BLWN SANDY SILT W/GRAVEL, DRY, NO ODOR

Aliquot #2 Latitude: N Longitude W

Media description: SAA

Aliquot #3: Latitude: N Longitude W

Media description: SAA ; REFUSAL @ 12"

Aliquot #4: Latitude: N Longitude W

Media description: SAA

Aliquot #5: Latitude: N Longitude W

Media description: SAA REFUSAL @ 12"

* SAA - SAME AS ABOVE

* coordinates same as FM0230B-CS6"

ADDRESS: _____ **PROPERTY ID:** [redacted]

DATE: 9/4/14 **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See Pg 26

STATION ID: FM0230B SAMPLE ID: FM0230B-CS18"

SAMPLE COLLECTION TIME: 1350

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

0.0 % MOISTURE

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

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0230B-CSD18" @1353

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

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: BWN ~~SILTY SAN~~ SANDY SILT W/ GRAVEL, DRY, NO ODOR

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: SAA REFUSAL @ 18"

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 12"

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: BWN SANDY SILT W/GRAVEL, DRY, NO ODOR REFUSAL @ 13"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 12"

*Coordinates same as FM0230B-CS6"

STATION ID: FM0230B SAMPLE ID: FM0230B-CS 24"

SAMPLE COLLECTION TIME: 1400

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

% moisture = 1.8

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 [X] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: BWN SANDY SILT W/ GRAVEL, DRY, NO ODOR

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 18"

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 12"

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 13"

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: REFUSAL @ 12"

*Coordinates same as FM0230B-CS6"

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

End of logbook