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# United States Environmental Protection Agency
# Region 4

OTIE
Oneida Total Integrated Enterprises

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

## FIELD SAMPLING LOGBOOK

**Book** 1 **of** 1

**Inclusive Dates:** 02/04/13 – 2/8/2013

**List of Sampling Team in logbook:**

| Name | Initials | Organization/Duties |
|---|---|---|
| (b) (6) | | OTIE, Team Leader |
| | | URS Corp. |
| | | |
| | | |
| | | |
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# Sampling Procedures and Methodology

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ADDRESS: (b) (6) PROPERTY ID: CV0966

DATE: 2/4/13 ARRIVAL TIME: 1245

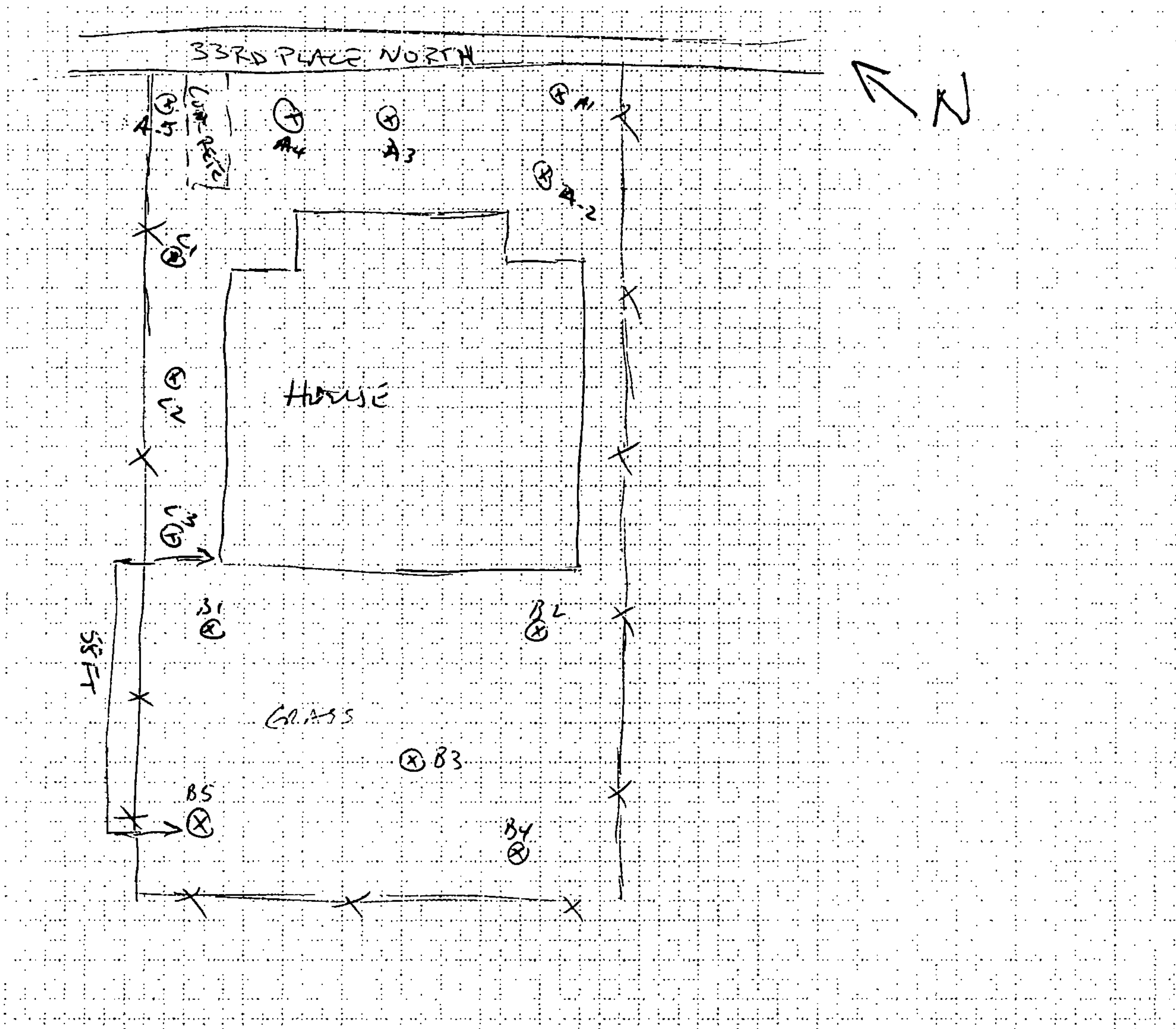
Other pertinent information (weather conditions, etc.):

J.P ~~VACANT HOUSE~~ 50°F CLOUDY

PROPERTY COMMENTS:

VACANT HOUSE ; FAIRLY FLAT TERRAIN

Grid for property sketch



STATION ID: CV0966A SAMPLE ID: CV0966A-CS

SAMPLE COLLECTION TIME: ~~1319~~ M 9:22

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

FRONT YARD

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

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

| | | | |
|---|---|---|---|
| GPS Coordinates: Trimble [✓] Instrument #: 020168 | | Logged? Y or N | |
| Aliquot #1: Latitude: 33.55626189 | N Longitude 86.79957836 | W | |
| Media description: DK BWN SLTY CLAY w/SOME GRAVEL | | | |
| Aliquot #2 Latitude: 33.55621977 | N Longitude 86.79959035 | W | |
| Media description: DK BWN SLTY CLAY w/SOME GRAVEL | | | |
| Aliquot #3: Latitude: 33.55624034 | N Longitude 86.79956199 | W | |
| Media description: DK BWN SILTY CLAY w/SOME GRAVEL | | | |
| Aliquot #4: Latitude: 33.55627123 | N Longitude 86.79955634 | W | |
| Media description: DK BWN SLTY CLAY w/SOME GRAVEL | | | |
| Aliquot #5: Latitude: 33.55630212 | N Longitude 86.79956140 | W | |
| Media description: DK. BWN SLTY CLAY w/SOME GRAVEL | | | |

STATION ID: CV0966B SAMPLE ID: CV0966B-CS

SAMPLE COLLECTION TIME: ~~1319~~ J.P ~~1319~~ M 936

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

BACKYARD

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

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

| | | | |
|---|---|---|---|
| GPS Coordinates: Trimble [✓] Instrument #: 020168 | | Logged? Y or N | |
| Aliquot #1: Latitude: 33.55628736 | N Longitude 86.79977618 | W | |
| Media description: DK BWN SLTY CLAY, w/SOME GRAVEL + COAL FRAGMENTS | | | |
| Aliquot #2 Latitude: 33.55622618 | N Longitude 86.79976143 | W | |
| Media description: DK BWN SLTY CLAY w/SOME COAL FRAGMENTS | | | |
| Aliquot #3: Latitude: 33.55625266 | N Longitude ~~75~~ J.P 86.79985100 | W | |
| Media description: DK. BWN SLTY CLAY, w/SOME COAL FRAGMENTS | | | |
| Aliquot #4: Latitude: 33.55622016 | N Longitude 86.79997856 | W | |
| Media description: DK BWN SLTY CLAY w/SOME COAL FRAGMENTS | | | |
| Aliquot #5: Latitude: 33.55627703 | N Longitude 86.79994493 | W | |
| Media description: DK BWN SLTY CLAY w/SOME COAL FRAGMENTS | | | |

ADDRESS: ______________________ PROPERTY ID: ______________

DATE: ______________________ ARRIVAL TIME: ______________

Other pertinent information (weather conditions, etc.):

______________________________________________

PROPERTY COMMENTS:

______________________________________________

______________________________________________

______________________________________________

______________________________________________

Grid for property sketch

2/4/13

**STATION ID:** CV0966C **SAMPLE ID:** CV0966C-CS

**SAMPLE COLLECTION TIME:** ~~1329~~ MEE 9:40

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

SIDEYARD

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

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

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

Aliquot #1: *Latitude:* 33.55630450 N *Longitude* 86.79962548 W

Media description: DK BWN SLTY CLAY w/ GRAVEL + COAL FRAGMENTS

Aliquot #2 *Latitude:* 33.55631197 N *Longitude* 86.79967068 W

Media description: DK BWN SLTY CLAY w/ GRAVEL + COAL FRAGMENTS

Aliquot #3: *Latitude:* 33.55631429 N *Longitude* 86.79973246 W

Media description: DK BWN SLTY CLAY w/ GRAVEL + COAL FRAGMENTS

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

Media description: ______

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

Media description: ______

**STATION ID:** ______ **SAMPLE ID:** ______

**SAMPLE COLLECTION TIME:** ______

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

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

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

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

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

Media description: ______

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

Media description: ______

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

Media description: ______

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

Media description: ______

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

Media description: ______

ADDRESS: (b) (6) PROPERTY ID: HP0316

DATE: 2/4/13 ARRIVAL TIME: 1345

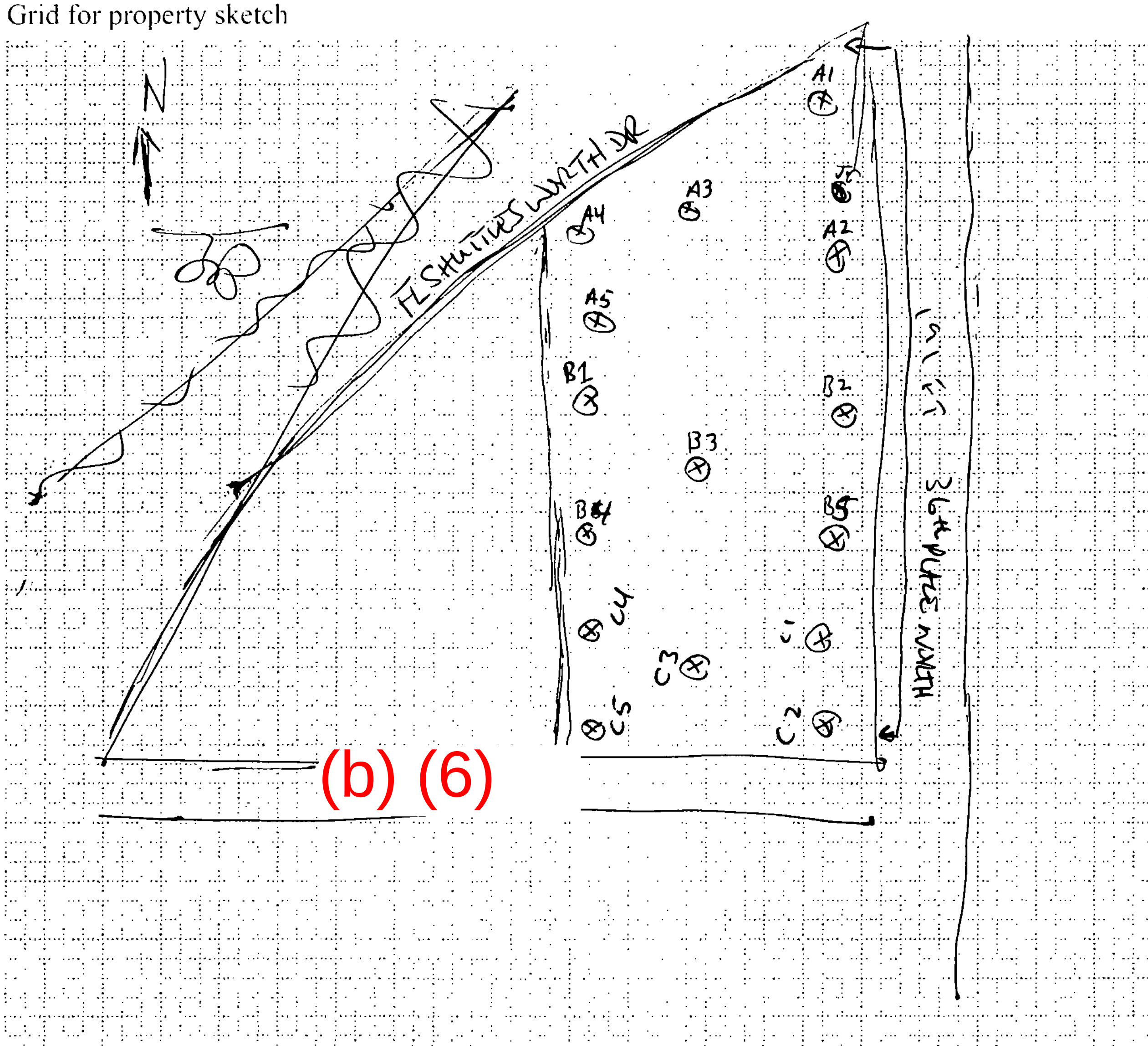
Other pertinent information (weather conditions, etc.):

50°F CLOUDY

PROPERTY COMMENTS:

VACANT LOT

Grid for property sketch



STATION ID: HP0316A-~~CS~~ JP SAMPLE ID: HP0136A-CS

SAMPLE COLLECTION TIME: 1425

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

FRONT SECTION OF LOT

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

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

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

Aliquot #1: Latitude: 33.56804710 N Longitude 86.79189956 W

Media description: Dark brown silty CLAY, some slag gravel. Damp

Aliquot #2 Latitude: 33.56791268 N Longitude 86.79192015 W

Media description: Same as #1

Aliquot #3: Latitude: 33.56800002 N Longitude 86.79198634 W

Media description: Same as #1

Aliquot #4: Latitude: 33.56802297 N Longitude 86.79208773 W

Media description: Same as #1

Aliquot #5: Latitude: 33.56792576 N Longitude 86.79208989 W

Media description: Same as #1

STATION ID: HP0316B SAMPLE ID: HP0316B-CS

SAMPLE COLLECTION TIME: 14:38

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

MIDDLE SECTION OF LOT

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

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

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

Aliquot #1: Latitude: 33.56790105 N Longitude 86.79209459 W

Media description: Dark brown silty CLAY w/ some slag gravel over yellow clay.

Aliquot #2 Latitude: 33.56792117 N Longitude 86.79191054 W

Media description: Dark brown silty CLAY w/ some slag gravel.

Aliquot #3: Latitude: 33.56785780 N Longitude 86.79199936 W

Media description: Same as #2

Aliquot #4: Latitude: 33.56779153 N Longitude 86.79208987 W

Media description: Same as #2

Aliquot #5: Latitude: 33.56780286 N Longitude 86.79190227 W

Media description: Same as #2

**ADDRESS:** ______________________________________ **PROPERTY ID:** ____________________

**DATE:** ____________________________ **ARRIVAL TIME:** ________________

**Other pertinent information (weather conditions, etc.):**

______________________________________________________________________________

**PROPERTY COMMENTS:**

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

Grid for property sketch

**STATION ID:** HP0316C **SAMPLE ID:** HP0316C-CS

**SAMPLE COLLECTION TIME:** 14:47

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

Back of lot

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

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

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

Aliquot #1: *Latitude:* ~~Dark Brown~~ 33.56774600 N *Longitude* 86.79190706 W

Media description: Dark Brown silty CLAY w/ slag gravel, Damp

Aliquot #2 *Latitude:* 33.56762606 N *Longitude* 86.79192234 W

Media description: Brown silty CLAY, Damp

Aliquot #3: *Latitude:* ~~Same as~~ 33.56771553 N *Longitude* 86.79202358 W

Media description: Same as #1

Aliquot #4: *Latitude:* 33.56776961 N *Longitude* 86.79209833 W

Media description: Same as #1

Aliquot #5: *Latitude:* 33.56764845 N *Longitude* 86.79208688 W

Media description: Same as #2

**STATION ID:** ______ **SAMPLE ID:** ______

**SAMPLE COLLECTION TIME:** ______

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

______

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

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

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

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

Media description: ______

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

Media description: ______

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

Media description: ______

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

Media description: ______

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

Media description: ______

ADDRESS: (b) (6) PROPERTY ID: HP0263

DATE: 2/4/13 ARRIVAL TIME: 1505

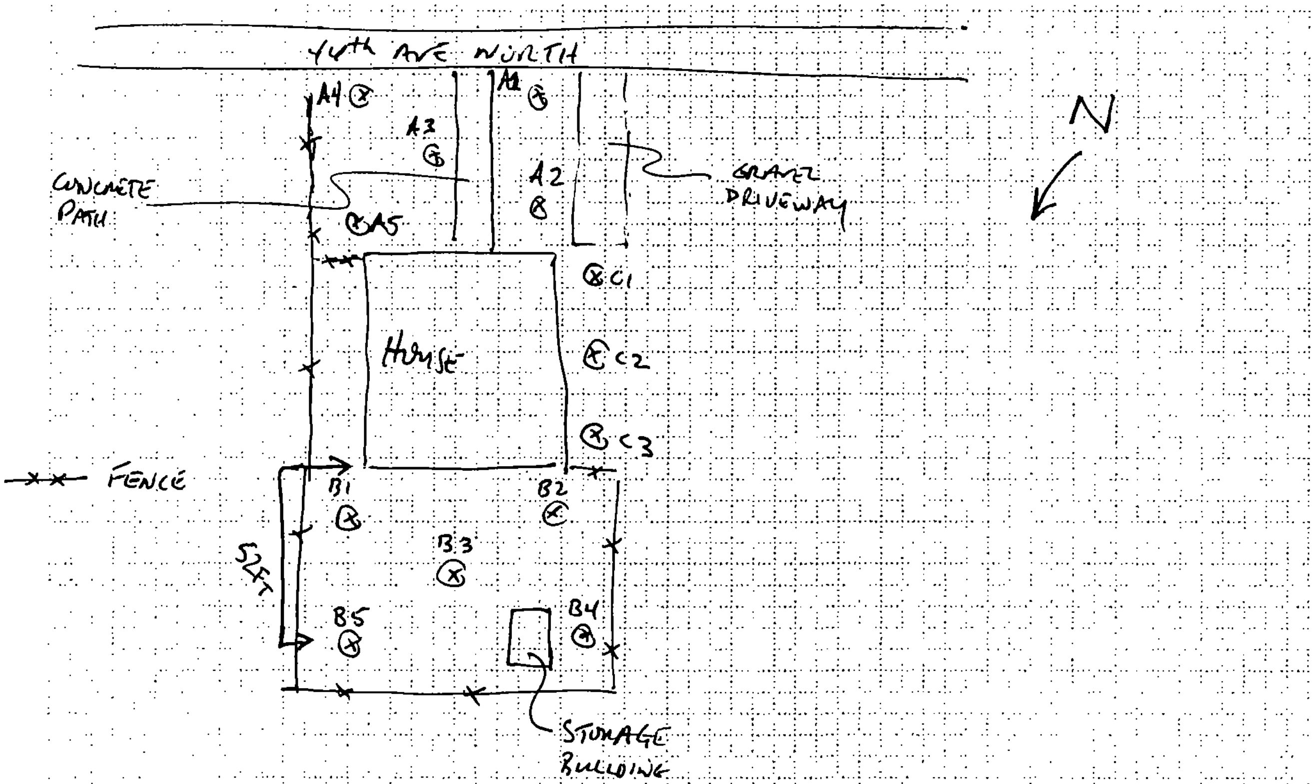
Other pertinent information (weather conditions, etc.):

51°F PARTLY SUNNY

PROPERTY COMMENTS:

HOUSE W/ SMALL FRONT YARD W/ STORAGE BUILDING IN BACK

Grid for property sketch



STATION ID: HP0263 SAMPLE ID: HP0263A-CS

SAMPLE COLLECTION TIME: 1528

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

FRONT YARD

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

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

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

Aliquot #1: *Latitude:* 33.56660890 N *Longitude* 86.78969332 W

Media description: DK BWN SILTY CLAY

Aliquot #2 *Latitude:* 33.56668631 N *Longitude* 86.78969865 W

Media description: DK BWN SLTY CLAY

Aliquot #3: *Latitude:* 33.56667213 N *Longitude* 86.78967554 W

Media description: DK BWN SLTY CLAY

Aliquot #4: *Latitude:* 33.56664302 N *Longitude* 86.78965970 W

Media description: DK BWN SLTY CLAY

Aliquot #5: *Latitude:* 33.56669749 N *Longitude* 86.78964674 W

Media description: DK BWN SLTY CLAY

STATION ID: HP0263 SAMPLE ID: HP0263B-CS

SAMPLE COLLECTION TIME: 1539

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

BACK YARD

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

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

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

Aliquot #1: *Latitude:* 33.56686484 N *Longitude* 86.78964243 W

Media description: DK BWN SLTY CLAY

Aliquot #2 *Latitude:* 33.56686699 N *Longitude* 86.78972220 W

Media description: DK BWN SLTY CLAY

Aliquot #3: *Latitude:* 33.56691391 N *Longitude* 86.78968973 W

Media description: DK BWN SLTY CLAY

Aliquot #4: *Latitude:* 33.56697409 N *Longitude* 86.78973023 W

Media description: ORANGE CLAY

Aliquot #5: *Latitude:* 33.56697855 N *Longitude* 86.78964041 W

Media description: DK BWN SLTY CLAY

ADDRESS: ________________________________ PROPERTY ID: ______________

DATE: ______________________ ARRIVAL TIME: ____________

Other pertinent information (weather conditions, etc.):

______________________________________________________________

PROPERTY COMMENTS:

______________________________________________________________

______________________________________________________________

______________________________________________________________

______________________________________________________________

Grid for property sketch

**STATION ID:** HP0263 **SAMPLE ID:** HP0263C-CS

**SAMPLE COLLECTION TIME:** 1545

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

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

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

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

Aliquot #1: *Latitude:* 33.56672458 N *Longitude* 86.78974233 W

Media description: DK BWN SLTY CLAY

Aliquot #2 *Latitude:* 33.56677044 N *Longitude* 86.78978771 W

Media description: DK BWN SLTY CLAY

Aliquot #3: *Latitude:* 33.56681578 N *Longitude* 86.78976141 W

Media description:

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

Media description:

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

Media description:

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

**SAMPLE COLLECTION TIME:**

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

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

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

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

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

Media description:

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

Media description:

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

Media description:

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

Media description:

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

Media description:

ADDRESS: (b) (6) PROPERTY ID: CV0798

DATE: 02/06/2013 ARRIVAL TIME: 1345

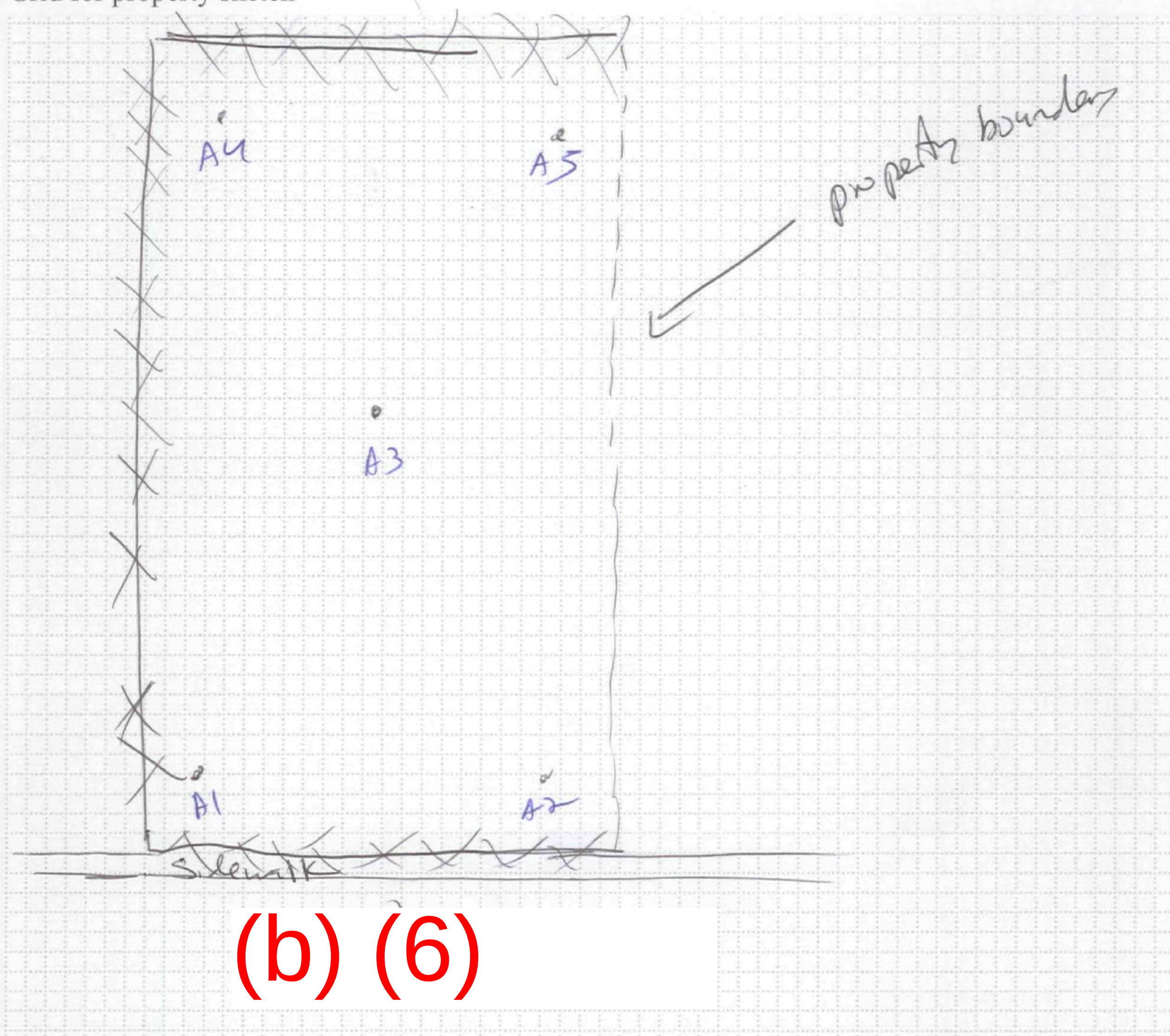
Other pertinent information (weather conditions, etc.):

64°F sunny, 30% humidity winds NW@4mph

PROPERTY COMMENTS:

vacant lot, part of church property (CV0962), adjacent to CV0797

Grid for property sketch



STATION ID: CN0798A SAMPLE ID: CN0798A-CS

SAMPLE COLLECTION TIME: 1400

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

vacant lot, adjacent to church parking

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 #: 020168 Logged? Y or N

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

Media description: ~~Bwn Slty clay m drp~~ orange clay wet

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

Media description: Bwn Slty m drp

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

Media description: Bwn Slt m dry

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

Media description: Blk Slt m-c drp w/coal fragments

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

Media description: Blk Slt m-c drp w/coal fragments

STATION ID: SAMPLE ID:

SAMPLE COLLECTION TIME:

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

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

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

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

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

Media description:

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

Media description:

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

Media description:

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

Media description:

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

Media description:

**ADDRESS:** (b) (6) **PROPERTY ID:** CV0797

**DATE:** 02/06/2013 **ARRIVAL TIME:** 1345

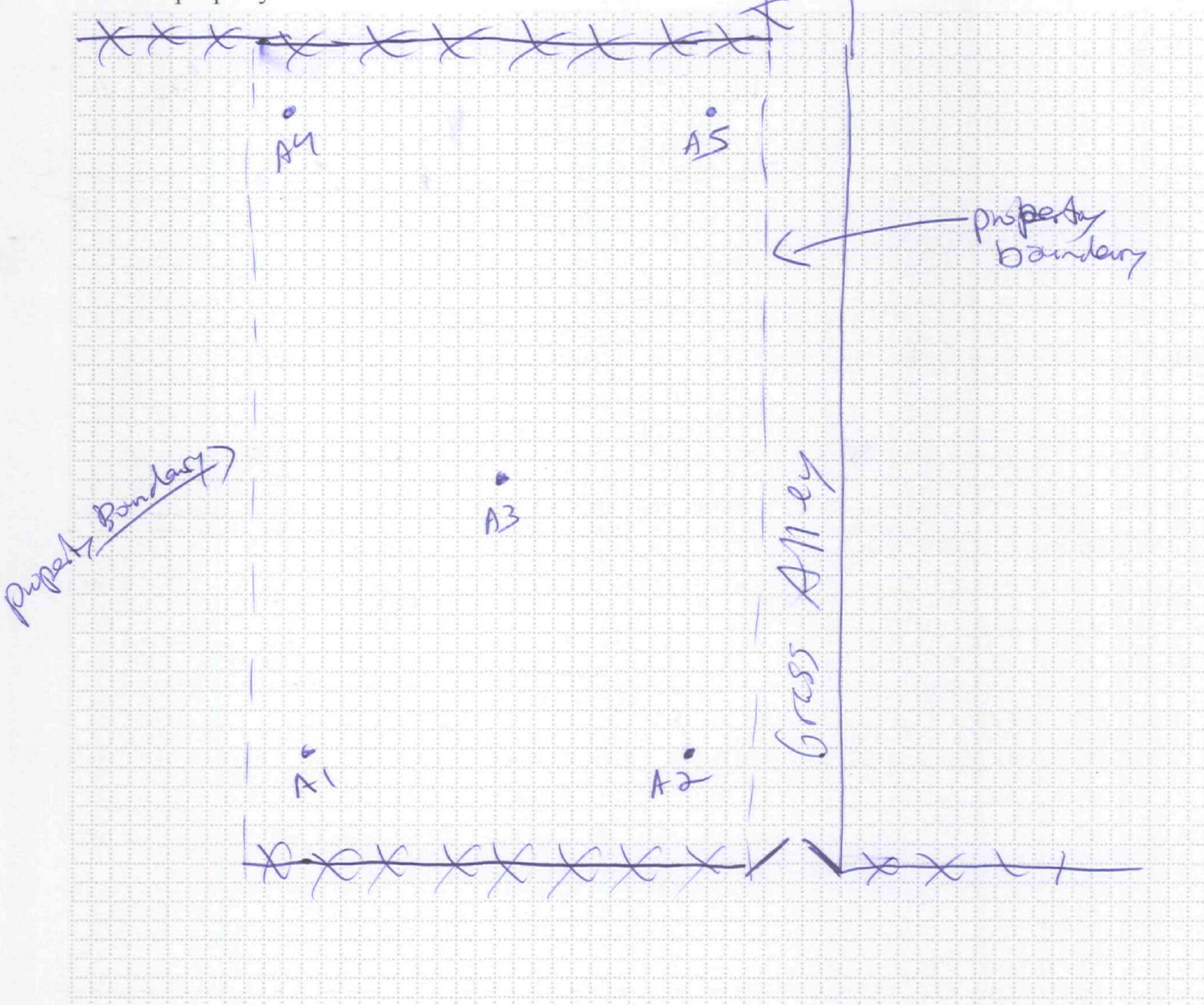
**Other pertinent information (weather conditions, etc.):**

64°F Sunny 30% humidity, Winds NNW @ 4MPH

**PROPERTY COMMENTS:**

vacant lot (part of Church property CV0962) adjacent to the east ~~of~~ alley next to CV0926 and to the the west of CV0798

Grid for property sketch



STATION ID: CN0797A SAMPLE ID: CN0797ACS

SAMPLE COLLECTION TIME: 1420

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

Vacant lot, part of church, next to parking

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 #: 020168 Logged? Y or N

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

Media description: Brn slt w/ orange clay m-c dmp

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

Media description: Brn slt w/ orange clay m-c dmp

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

Media description: Brn slt m dmp

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

Media description: Blk slt m dmp w/ coal fragments

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

Media description: Blk slt m dmp w/ coal fragments

STATION ID: SAMPLE ID:

SAMPLE COLLECTION TIME:

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

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

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

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

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

Media description:

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

Media description:

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

Media description:

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

Media description:

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

Media description:

ADDRESS: (b) (6)

DATE: 02/06/2013 PROPERTY ID: CV0962

ARRIVAL TIME: 1345

Other pertinent information (weather conditions, etc.):

64°F Sunny. 30% humidity wind NNW @4 mph

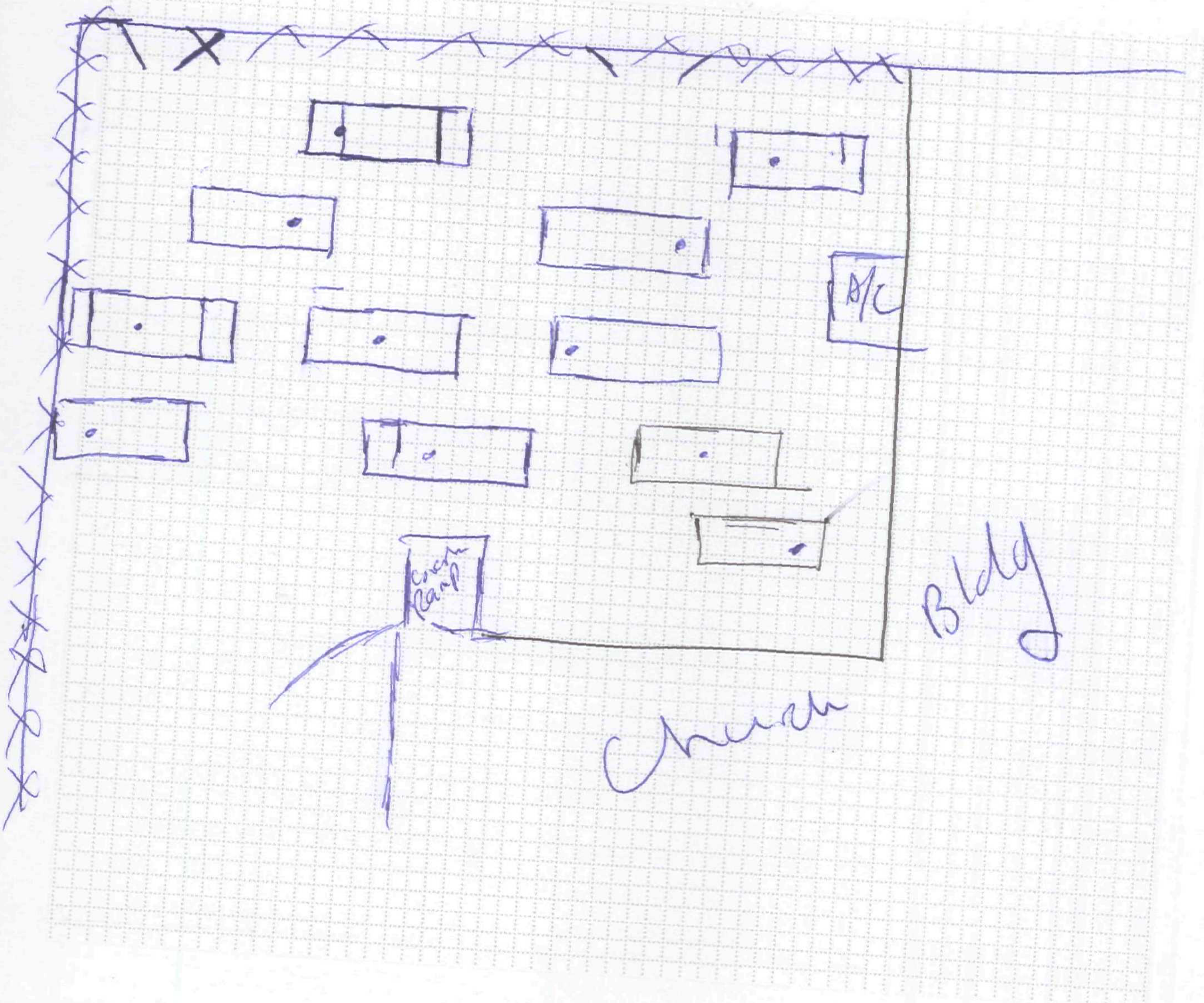
PROPERTY COMMENTS:

Vegetable gardens 11 raised boxes

~~pest~~ o continuation of church A-C for CV0926

A thru C in book w/ KMT as team lead

Grid for property sketch



**STATION ID:** CV 0962D **SAMPLE ID:** CV 0962D-CS

**SAMPLE COLLECTION TIME:** ~~1400~~ 1355

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

Vegetable gardens 11 boxes

**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 #: 020168 | | Logged? Y or N |
| Aliquot #1: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Dk Brn slt m dmp to dry | | |
| Aliquot #2 *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #3: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #4: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #5: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |

**STATION ID:** CV0962D Con. **SAMPLE ID:** CV0962D-CS (Comp.

~~**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 #6 *Latitude:* Same | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #7 *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #8: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #9: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |
| Aliquot #10: *Latitude:* ______ | N *Longitude* ______ | W |
| Media description: Same soil | | |

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Same Soil

ADDRESS: ______________________________ PROPERTY ID: ______________

DATE: ______________________ ARRIVAL TIME: ____________

Other pertinent information (weather conditions, etc.):

______________________________________________________________

PROPERTY COMMENTS:

______________________________________________________________

______________________________________________________________

______________________________________________________________

______________________________________________________________

Grid for property sketch

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