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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: 02/19/13 - 02/22/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		OTIE, Team Leader
		URS

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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: CV0131

DATE: 02/19/13 ARRIVAL TIME: 1505

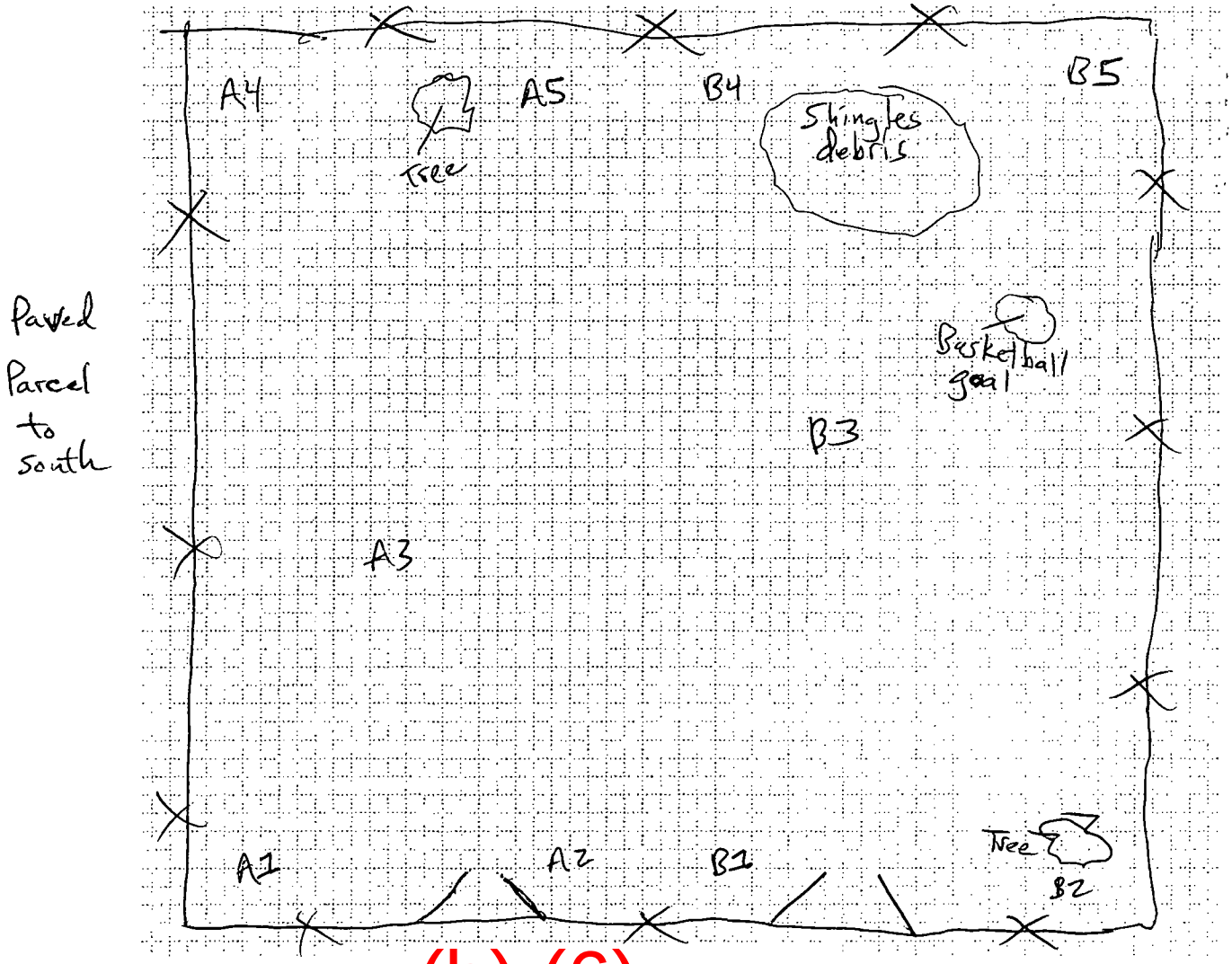
Other pertinent information (weather conditions, etc.):

~50°F, sunny + clear

PROPERTY COMMENTS:

Vacant undeveloped parcel

Grid for property sketch



(b) (6)

STATION ID: CV0131A **SAMPLE ID:** CV0131A-CS

SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
South half of 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 [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55749210 N *Longitude* 86.80589773 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.55759132 N *Longitude* 86.80588662 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.55752914 N *Longitude* 86.80603853 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.55747950 N *Longitude* 86.80620829 W
Media description: Dk black silty sand

Aliquot #5: *Latitude:* 33.55759611 N *Longitude* 86.80620232 W
Media description: Same as A1

STATION ID: CV0131B **SAMPLE ID:** CV0131B-CS

SAMPLE COLLECTION TIME: 1530

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
North half of 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 [X] Instrument #: Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55763287 N *Longitude* 86.80590094 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.55772768 N *Longitude* 86.80589385 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.55768753 N *Longitude* 86.80604810 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.55763859 N *Longitude* 86.80621713 W
Media description: Dk black silty sand

Aliquot #5: *Latitude:* 33.55773187 N *Longitude* 86.80622851 W
Media description: Same as B1

ADDRESS: (b) (6) PROPERTY ID: CV0244

DATE: 2/19/13 ARRIVAL TIME: 1540

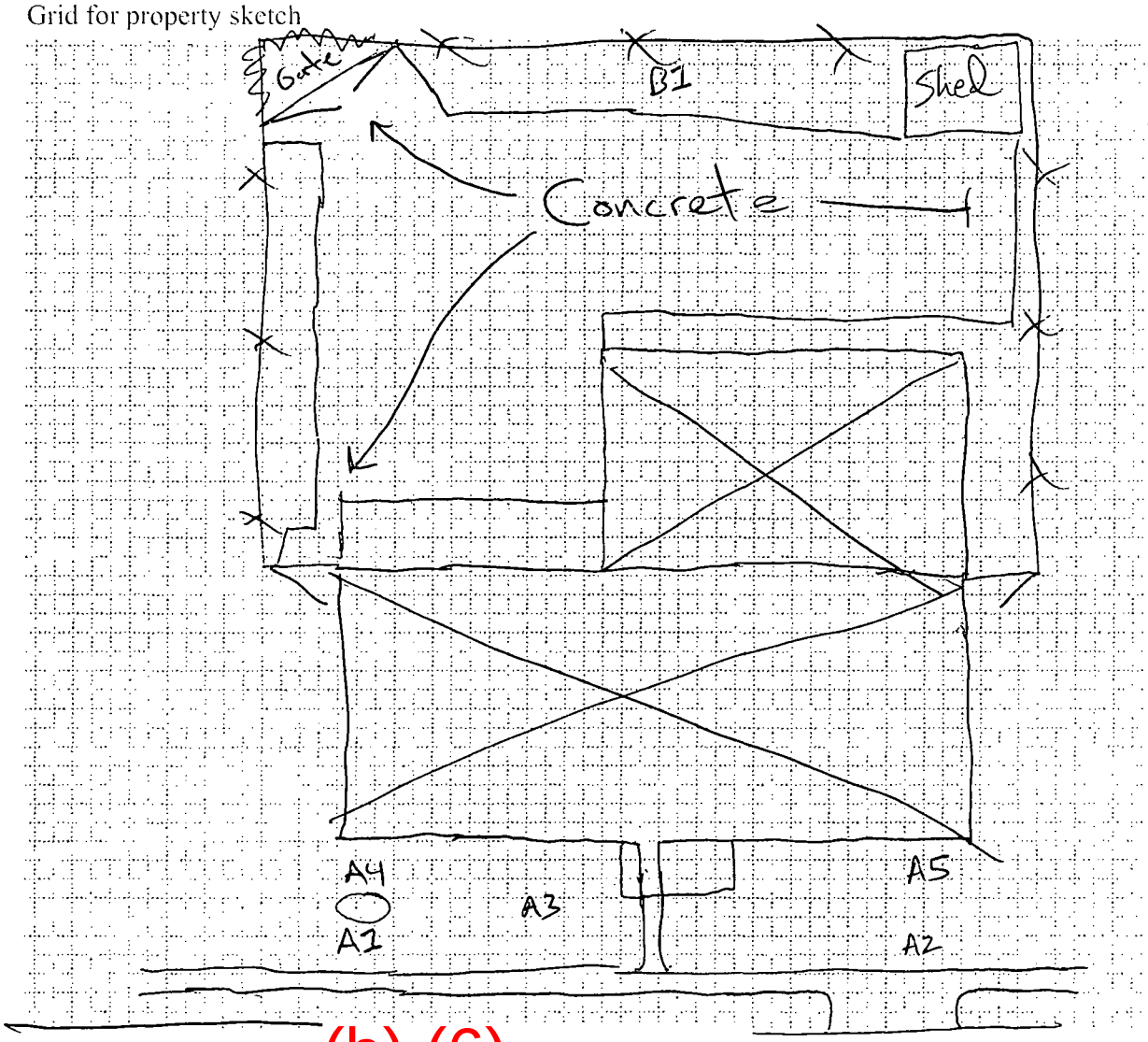
Other pertinent information (weather conditions, etc.):

~50°F, clear + breezy

PROPERTY COMMENTS:

The majority of the back yard is covered with concrete. As a result just a grab was collected in the back yard. Flower gardens in the back but no vegetables.

Grid for property sketch



(b) (6)

STATION ID: CV0244A **SAMPLE ID:** CV0244A-CS

SAMPLE COLLECTION TIME: 1550

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 [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55478775 N *Longitude* 86.80294762 W

Media description: _____

Aliquot #2 *Latitude:* 33.55490129 N *Longitude* 86.80286616 W

Media description: _____

Aliquot #3: *Latitude:* 33.55484050 N *Longitude* 86.80288659 W

Media description: _____

Aliquot #4: *Latitude:* 33.55483244 N *Longitude* 86.80287760 W

Media description: _____

Aliquot #5: *Latitude:* 33.55491545 N *Longitude* 86.80290979 W

Media description: _____

STATION ID: CV0244B **SAMPLE ID:** CV0244A-GS

SAMPLE COLLECTION TIME: 1600

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

Aliquot #1: *Latitude:* 33.55486018 N *Longitude* 86.80319364 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: HP0178

DATE: 02/20/13 ARRIVAL TIME: 0820

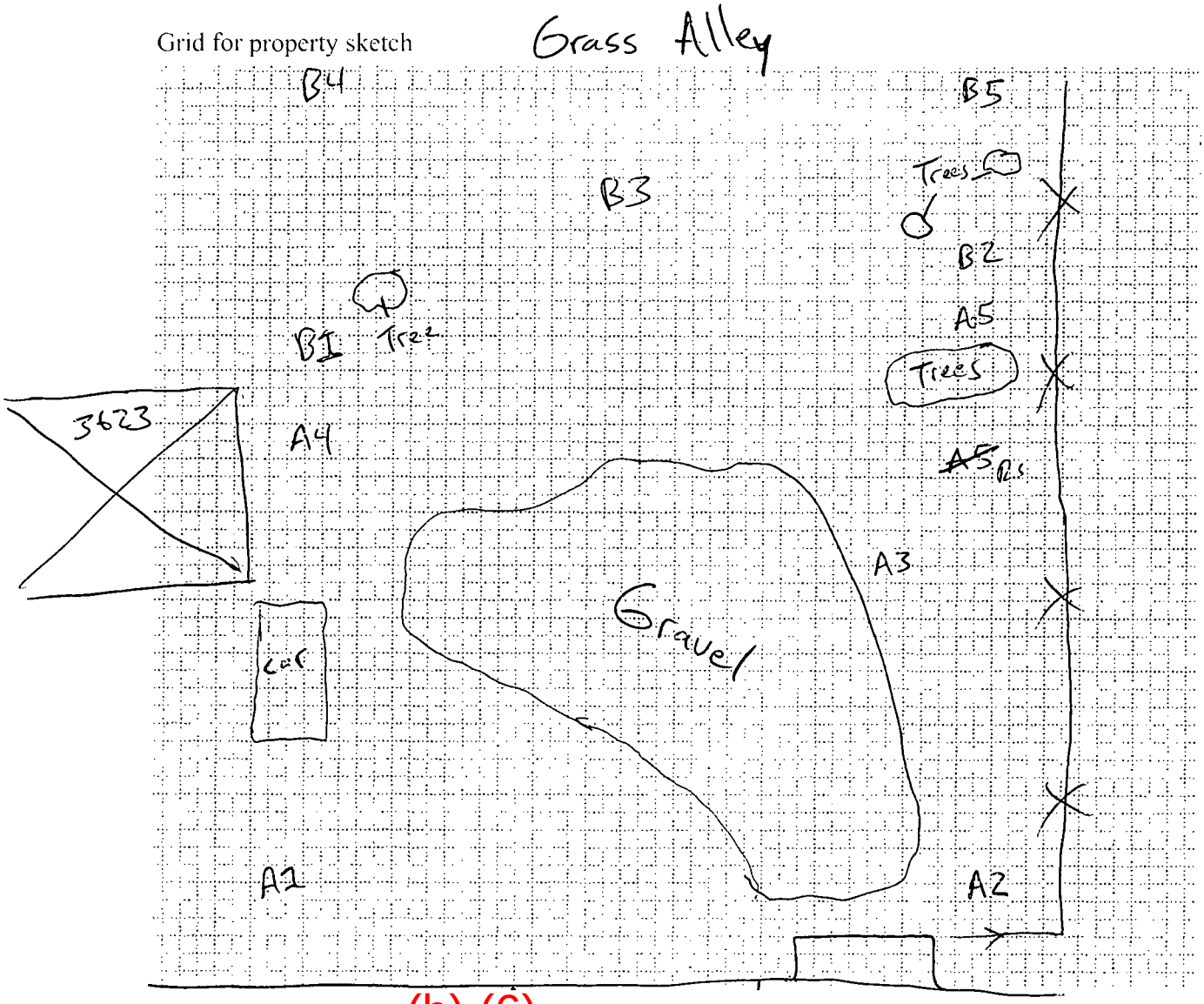
Other pertinent information (weather conditions, etc.):

~~Ha~~ RS ~ 40°F + partly cloudy

PROPERTY COMMENTS:

Vacant undeveloped lot

Grid for property sketch



(b) (6)

STATION ID: HP0178A SAMPLE ID: HP0178A-CS

SAMPLE COLLECTION TIME: 0845

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

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 #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56574568 N *Longitude* 86.79278010 W
Media description: Med brn Silty Sand

Aliquot #2 *Latitude:* 33.56574571 N *Longitude* 86.79289457 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.56561791 N *Longitude* 86.79285489 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.56556252 N *Longitude* 86.79277246 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.56555098 N *Longitude* 86.79288776 W
Media description: Same as A1

STATION ID: HP0178B SAMPLE ID: HP0178B-CS

SAMPLE COLLECTION TIME: 0900

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

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:* 33.56552501 N *Longitude* 86.79280076 W
Media description: Dk brn Silty Sand

Aliquot #2 *Latitude:* 33.56553066 N *Longitude* 86.79287499 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.56545234 N *Longitude* 86.79282866 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.56537906 N *Longitude* 86.79277403 W
Media description: Same as B1

Aliquot #5: *Latitude:* 33.56537278 N *Longitude* 86.79289280 W
Media description: Same as B1

ADDRESS: (b) (6)

PROPERTY ID: HP 0015

DATE: 02/20/13

ARRIVAL TIME: 0855

Other pertinent information (weather conditions, etc.):

~40°F, breezy + cloudy

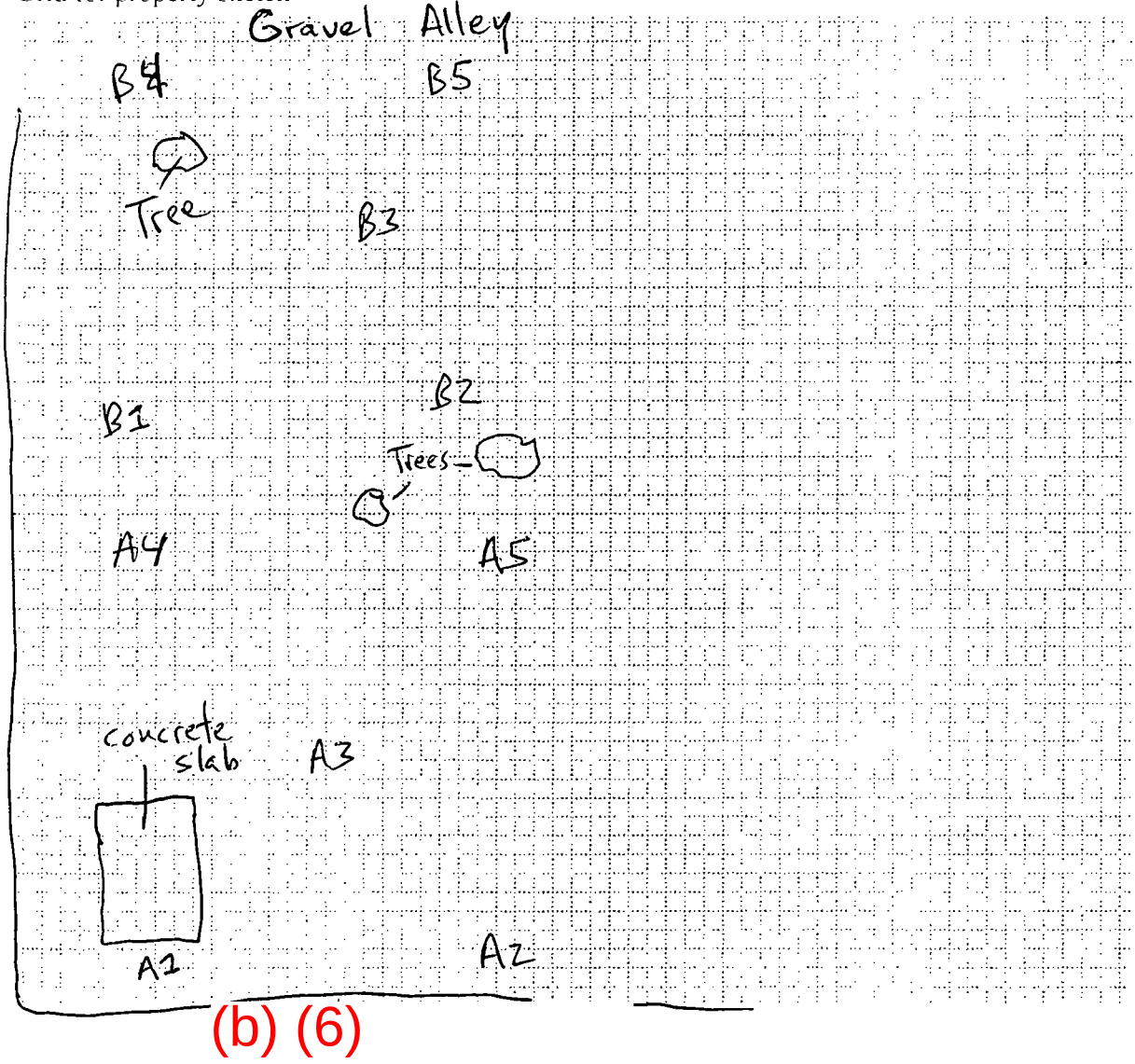
PROPERTY COMMENTS:

Vacant undeveloped

No fence around parcel

Small concrete slab near SW corner

Grid for property sketch



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(b) (6)

STATION ID: HP0015A SAMPLE ID: HP0015A-CS

SAMPLE COLLECTION TIME: 0910

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

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 #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56407166 N *Longitude* 86.79287212 W
Media description: Med brn silty sand with gravel

Aliquot #2 *Latitude:* 33.56406688 N *Longitude* 86.79279168 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.56415190 N *Longitude* 86.79283395 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.56421786 N *Longitude* 86.79287509 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.56422798 N *Longitude* 86.79277591 W
Media description: Same as A1

STATION ID: HP0015B SAMPLE ID: HP0015B-CS

SAMPLE COLLECTION TIME: 0915

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

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:* 33.56428485 N *Longitude* 86.79289298 W
Media description: Dk brn silty soil

Aliquot #2 *Latitude:* 33.56428277 N *Longitude* 86.792277450 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.56434832 N *Longitude* 86.79283651 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.564407727 N *Longitude* 86.79290238 W
Media description: Same as B1

Aliquot #5: *Latitude:* 33.56441061 N *Longitude* 86.79278656 W
Media description: Same as B1

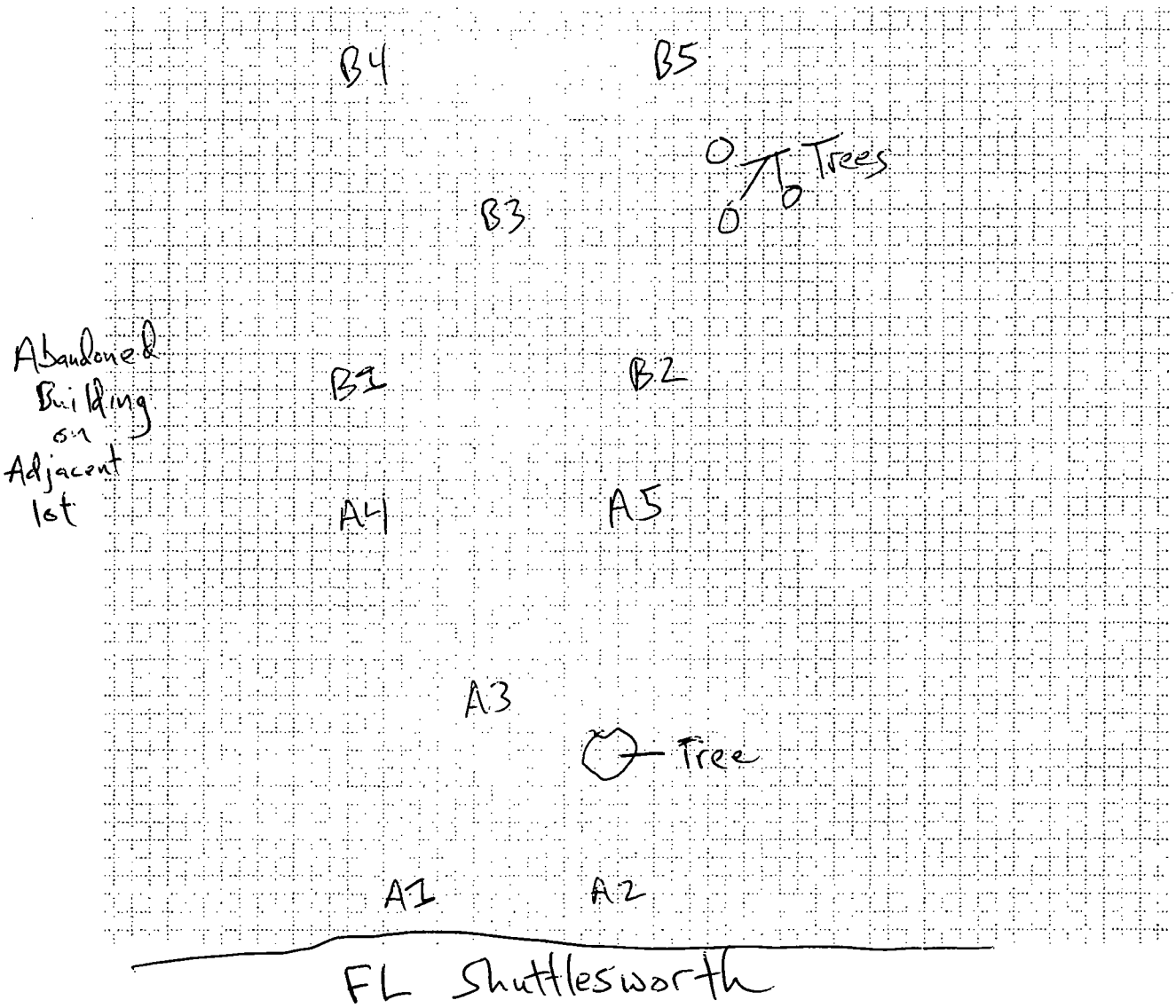
ADDRESS: (b) (6) PROPERTY ID: HP0302

DATE: 2/20/13 ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):
~40°F, windy + cloudy

PROPERTY COMMENTS:
Vacant undeveloped

Grid for property sketch



STATION ID: HP0302A SAMPLE ID: HP0302A-CS

SAMPLE COLLECTION TIME: 0940

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

Front half

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

Field Duplicate or Split: Yes or No *If yes, indicate* Duplicate/split sample station ID: HP0302A-CSD

GPS Coordinates: Trimble [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.56650474 N *Longitude* 86.79504715 W

Media description: Med brn sandy clayey silt with motor oil odor

Aliquot #2 *Latitude:* 33.56647862 N *Longitude* 86.79507505 W

Media description: Same as A1

Aliquot #3: *Latitude:* 33.56646587 N *Longitude* 86.79498153 W

Media description: Same as A1

Aliquot #4: *Latitude:* 33.56636178 N *Longitude* 86.79492499 W

Media description: Same as A1

Aliquot #5: *Latitude:* 33.56631600 N *Longitude* 86.79498930 W

Media description: Same as A1

STATION ID: HP0302B SAMPLE ID: HP0302B-CS

SAMPLE COLLECTION TIME: 0945

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

Back half

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:* 33.56631102 N *Longitude* 86.79487905 W

Media description: Dk brn silty sandy soil with motor oil odor

Aliquot #2 *Latitude:* 33.56626431 N *Longitude* 86.79497605 W

Media description: Same as B1

Aliquot #3: *Latitude:* 33.56623354 N *Longitude* 86.79489962 W

Media description: Same as B1

Aliquot #4: *Latitude:* 33.56620020 N *Longitude* 86.79484051 W

Media description: Orange clay

Aliquot #5: *Latitude:* 33.56616329 N *Longitude* 86.79491358 W

Media description: Same as B1

ADDRESS: (b) (6) PROPERTY ID: FM0243

DATE: 2/20/13 ARRIVAL TIME: 1035

Other pertinent information (weather conditions, etc.):

~40°F, cloudy & breezy

PROPERTY COMMENTS:

Followers of Christ Outreach Church. Majority of property is densely vegetated outside of the maintained area.

Grid for property sketch

See sketch on page 18.

STATION ID: FM0243A **SAMPLE ID:** FM0243A-CS

SAMPLE COLLECTION TIME: 1055

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

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 #: 18598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56874910 N *Longitude* 86.80906498 W
Media description: Red brn sandy clay

Aliquot #2 *Latitude:* 33.56875208 N *Longitude* 86.80891334 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.56889022 N *Longitude* 86.80897767 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.56901386 N *Longitude* 86.80903561 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.56902173 N *Longitude* 86.80890809 W
Media description: Same as A1

STATION ID: FM0243B **SAMPLE ID:** FM0243B-CS

SAMPLE COLLECTION TIME: 1100

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

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:* 33.56909736 N *Longitude* 86.80889499 W
Media description: Red brn sandy clay with gravel wet

Aliquot #2 *Latitude:* 33.56910081 N *Longitude* 86.80884888 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.56909994 N *Longitude* 86.80879134 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.56909430 N *Longitude* 86.80873406 W
Media description: Same as B1

Aliquot #5: *Latitude:* 33.56908655 N *Longitude* 86.80867444 W
Media description: Same as B1

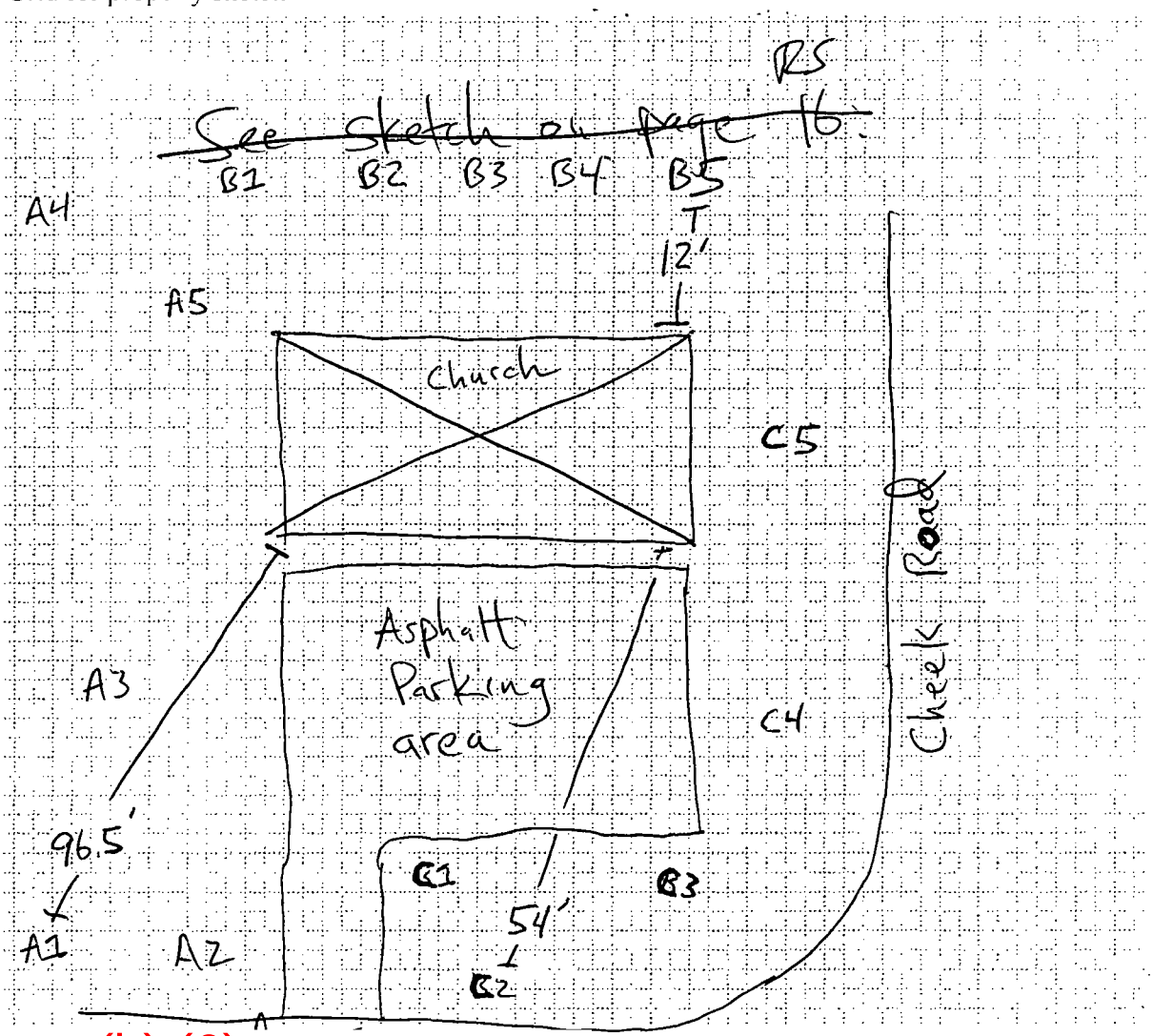
ADDRESS: (b) (6) PROPERTY ID: FM0243

DATE: 2/20/13 ARRIVAL TIME: 1035

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



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STATION ID: FM0243C **SAMPLE ID:** FM0243C-CS

SAMPLE COLLECTION TIME: 1110

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

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 #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.56879060 N *Longitude* 86.80876383 W
Media description: Med brn silty sandy soil

Aliquot #2 *Latitude:* 33.56873870 N *Longitude* 86.80869495 W
Media description: Same as C1

Aliquot #3: *Latitude:* 33.56883898 N *Longitude* 86.80863027 W
Media description: Same as C1

Aliquot #4: *Latitude:* 33.56891277 N *Longitude* 86.80857940 W
Media description: Same as C1

Aliquot #5: *Latitude:* 33.56900162 N *Longitude* 86.80857519 W
Media description: Same as C1

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: _____

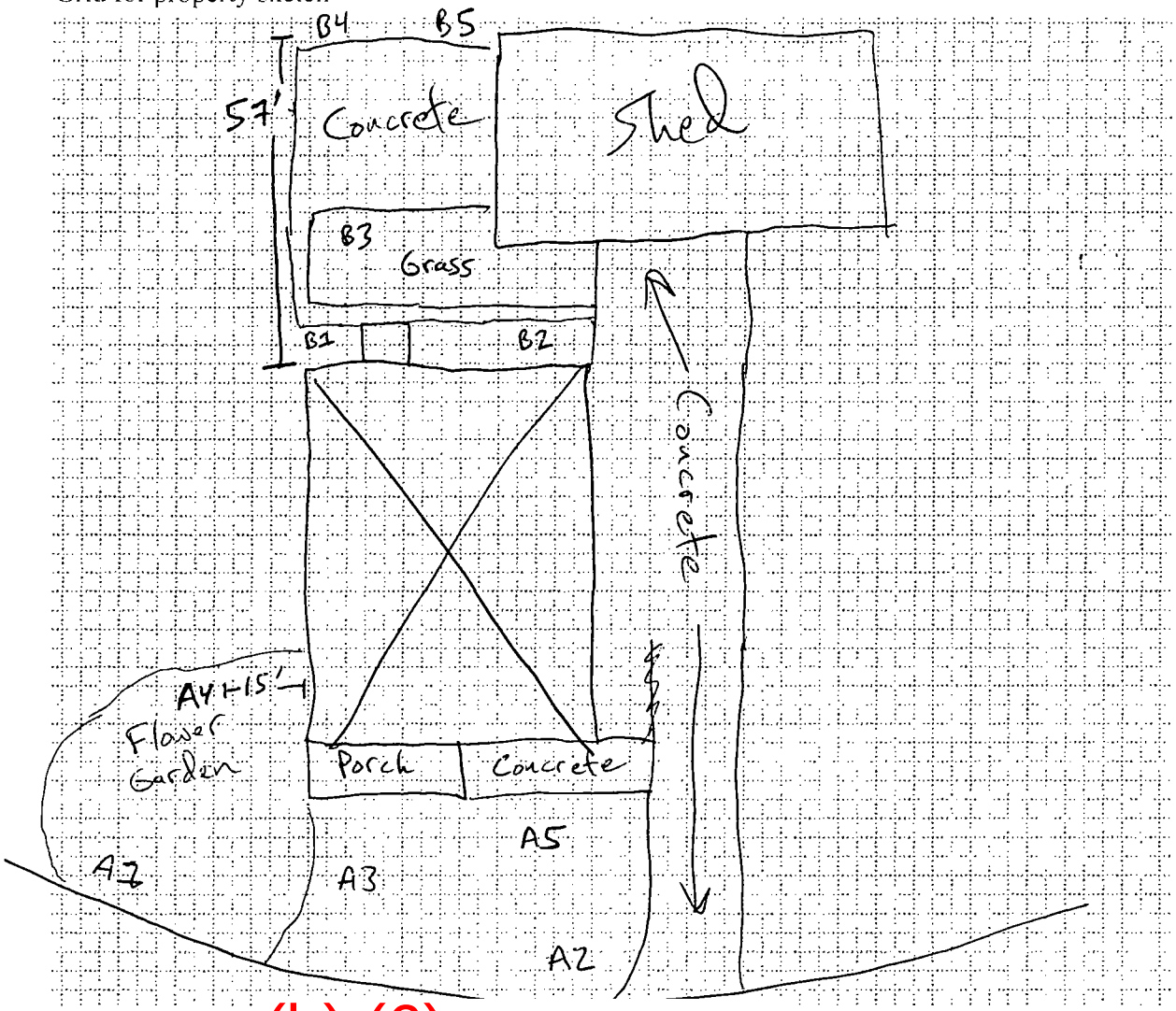
ADDRESS: (b) (6) PROPERTY ID: CV0039

DATE: 2/20/13 ARRIVAL TIME: 1240

Other pertinent information (weather conditions, etc.):
~48°F + cloudy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0039A **SAMPLE ID:** CV0039A-CS

SAMPLE COLLECTION TIME: 1250

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 [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55908097 N *Longitude* 86.80656929 W

Media description: med brown silty sand

Aliquot #2 *Latitude:* 33.55897531 N *Longitude* 86.80662072 W

Media description: " "

Aliquot #3: *Latitude:* 33.55903576 N *Longitude* 86.80658130 W

Media description: " "

Aliquot #4: *Latitude:* 33.55906086 N *Longitude* 86.80653570 W

Media description: " "

Aliquot #5: *Latitude:* 33.55899596 N *Longitude* 86.80657301 W

Media description: " "

STATION ID: CV0039B **SAMPLE ID:** CV0039B-CS

SAMPLE COLLECTION TIME: 1300

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 [X] Instrument #: Logged? Y or N

Aliquot #1: *Latitude:* 33.55902042 N *Longitude* 86.80636574 W

Media description: dk brown silty sand

Aliquot #2 *Latitude:* 33.55894577 N *Longitude* 86.80635486 W

Media description: " "

Aliquot #3: *Latitude:* 33.55899037 N *Longitude* 86.80631472 W

Media description: " "

Aliquot #4: *Latitude:* 33.55895947 N *Longitude* 86.80621931 W

Media description: " "

Aliquot #5: *Latitude:* 33.55892804 N *Longitude* 86.80622221 W

Media description: " "

ADDRESS: (b) (6)

PROPERTY ID: CV0189 + CV0186

DATE: 2/20/13

ARRIVAL TIME: 1330

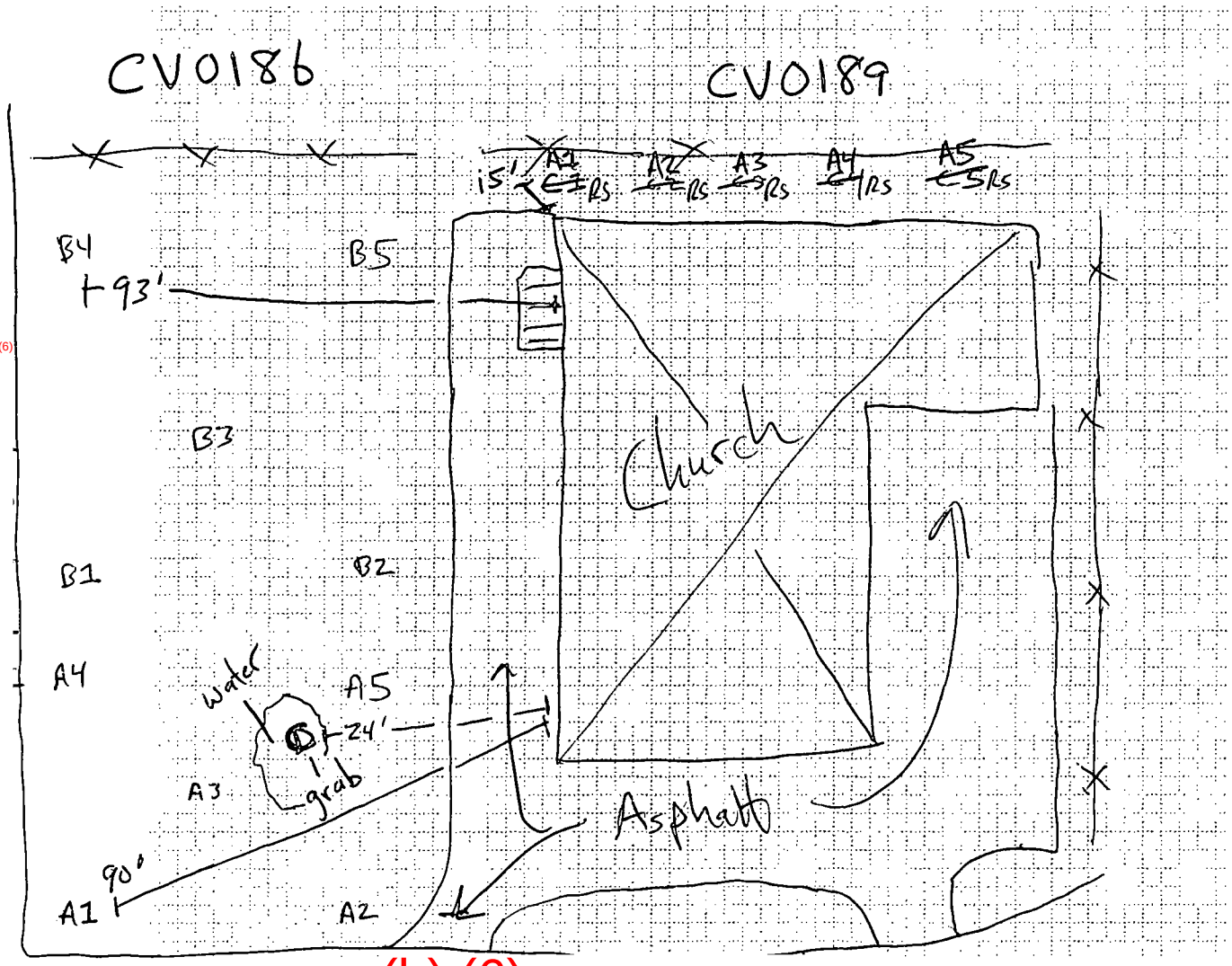
Other pertinent information (weather conditions, etc.):

~ 45°F + cloudy

PROPERTY COMMENTS:

Shady Grove Baptist Church. Address on church is 3444, spreadsheet has 3446 31st Way North. Surface water standing south of church. See property comments on page 24.

Grid for property sketch



(b) (6)

STATION ID: ~~CV0189A~~ CV0186A RS SAMPLE ID: ~~CV0189A-CS~~ CV0186A-CS RS

SAMPLE COLLECTION TIME: 1350

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

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

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

GPS Coordinates: Trimble [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55942886 N *Longitude* 86.80414189 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.55961920 N *Longitude* 86.80407451 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.55954467 N *Longitude* 86.80417757 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.55942155 N *Longitude* 86.80423397 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.55963867 N *Longitude* 86.80424710 W
Media description: Same as A1

STATION ID: ~~CV0189B~~ RS CV0186B SAMPLE ID: ~~CV0189B-CS~~ RS CV0186

SAMPLE COLLECTION TIME: 1400

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

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

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

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

Aliquot #1: *Latitude:* 33.55942116 N *Longitude* 86.80429669 W
Media description: Red brn silty clayey sand

Aliquot #2 *Latitude:* 33.55964128 N *Longitude* 86.80429772 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.55954207 N *Longitude* 86.80436293 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.55941473 N *Longitude* 86.80445245 W
Media description: Same as B1

Aliquot #5: *Latitude:* 33.55964515 N *Longitude* 86.80443697 W
Media description: Same as B1

ADDRESS: (b) (6) PROPERTY ID: CV0189+ CV0186

DATE: 2/20/13 ARRIVAL TIME: 1330

Other pertinent information (weather conditions, etc.):
~43°F + cloudy

PROPERTY COMMENTS:
Stations A, B + D are actually on a seperate parcel with the ~~Parcel's~~ Property ID of CV0186.
It turns out CV0186 was already sampled on 01/08/13. Samples CV0186A, B, + C will be cancelled.

Grid for property sketch

See sketch on page 22.

STATION ID: CV0189 ~~C~~ A RS SAMPLE ID: CV0189 ~~C~~ A RS -CS

SAMPLE COLLECTION TIME: 1410

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

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 #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55973896 N *Longitude* 86.80444997 W
Media description: Lt brn silty sand with gravel

Aliquot #2 *Latitude:* 33.55978125 N *Longitude* 86.80444436 W
Media description: Same A1

Aliquot #3: *Latitude:* 33.55982796 N *Longitude* 86.80444315 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.55987180 N *Longitude* 86.80443991 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.55991852 N *Longitude* 86.80443708 W
Media description: Same as A1

STATION ID: ~~CV0189D~~ RS CV0186 ~~D~~ C RS SAMPLE ID: ~~CV0189D-GS~~ RS CV0186 ~~D~~ C RS - GS

SAMPLE COLLECTION TIME: 1420

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

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:* 33.55962417 N *Longitude* 86.80419932 W
Media description: Med brn sandy silt wet

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

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

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

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

ADDRESS: (b) (6)

PROPERTY ID: CV0119

DATE: 2/20/13

ARRIVAL TIME: 1425

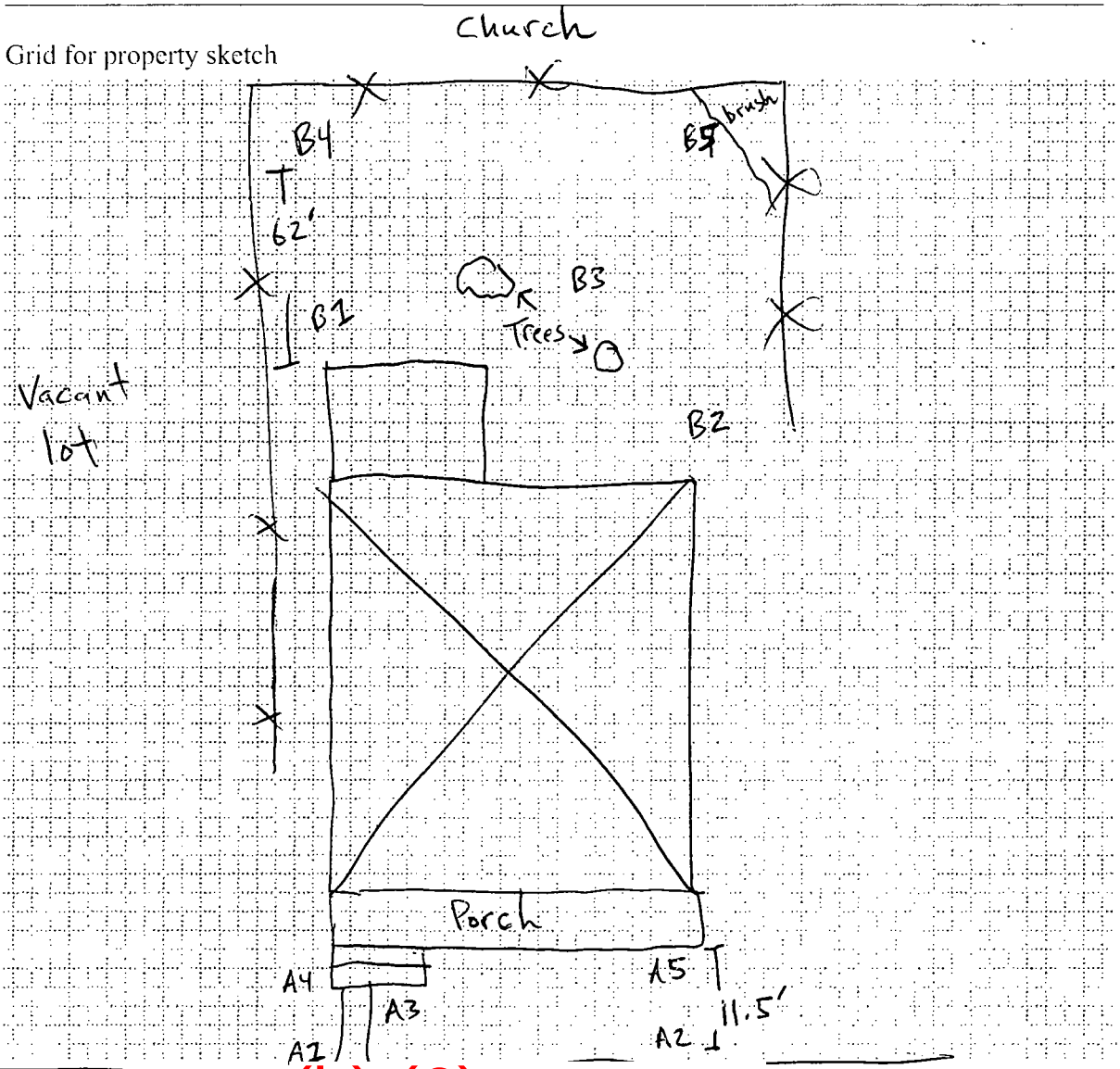
Other pertinent information (weather conditions, etc.):

~43°F & cloudy

PROPERTY COMMENTS:

House appears to be vacant and no street number on the house.

Grid for property sketch



(b) (6)

STATION ID: CV0119A **SAMPLE ID:** CV0119A-CS

SAMPLE COLLECTION TIME: 1435

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

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

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

GPS Coordinates: Trimble [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55994596 N *Longitude* 86.80489592 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.55985231 N *Longitude* 86.80488911 W
Media description: Same as A1

Aliquot #3: *Latitude:* 33.55991168 N *Longitude* 86.80487488 W
Media description: Same as A1

Aliquot #4: *Latitude:* 33.55994006 N *Longitude* 86.80487134 W
Media description: Same as A1

Aliquot #5: *Latitude:* 33.55984990 N *Longitude* 86.80486444 W
Media description: Same as A1

STATION ID: CV0119B **SAMPLE ID:** CV0119B-CS

SAMPLE COLLECTION TIME: 1445

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 [X] Instrument #: Logged? Y or N

Aliquot #1: *Latitude:* 33.55992232 N *Longitude* 86.80464229 W
Media description: Black silty sand

Aliquot #2 *Latitude:* 33.55983869 N *Longitude* 86.80468785 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.55988195 N *Longitude* 86.80459842 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.55991867 N *Longitude* 86.80449274 W
Media description: Same as B1

Aliquot #5: *Latitude:* 33.55985619 N *Longitude* 86.80448628 W
Media description: Same as B1

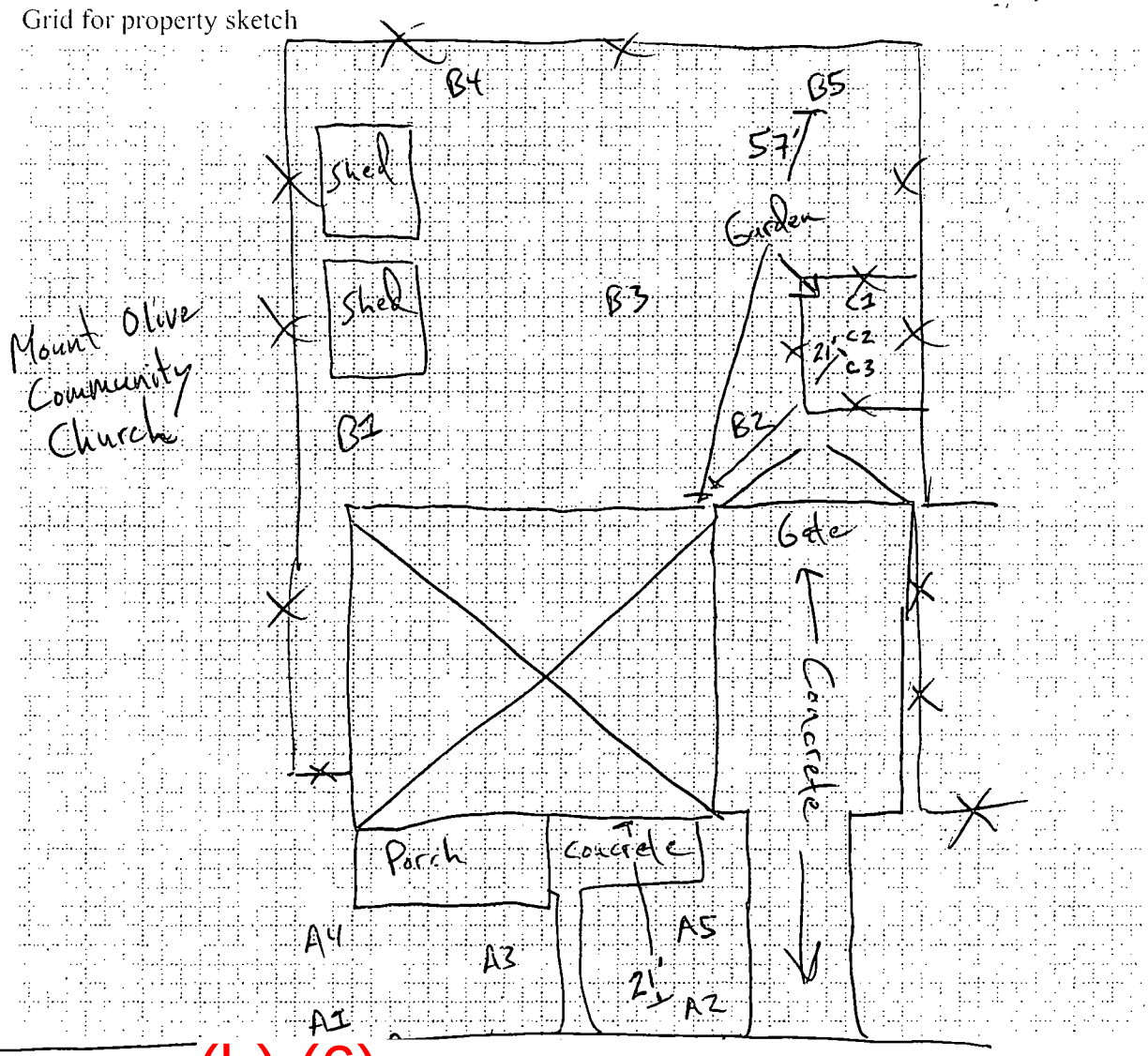
ADDRESS: (b) (6) PROPERTY ID: CV0265

DATE: 2/20/13 ARRIVAL TIME: 1520

Other pertinent information (weather conditions, etc.):
~40°F + cloudy + light rain

PROPERTY COMMENTS:
Garden in back yard

Grid for property sketch



(b) (6)

STATION ID: CV0265A SAMPLE ID: CV0265A-CS

SAMPLE COLLECTION TIME: 1530

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 [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55694588 N *Longitude* 86.80270720 W

Media description: Dk brn silty sand

Aliquot #2 *Latitude:* 33.55684906 N *Longitude* 86.80267971 W

Media description: Same as A1

Aliquot #3: *Latitude:* 33.55691027 N *Longitude* 86.80269707 W

Media description: Same as A1

Aliquot #4: *Latitude:* 33.55693966 N *Longitude* 86.80267276 W

Media description: Same as A1

Aliquot #5: *Latitude:* 33.55684902 N *Longitude* 86.80264268 W

Media description: Same as A1

STATION ID: CV0265B SAMPLE ID: CV0265B-CS

SAMPLE COLLECTION TIME: 1540

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 [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55692643 N *Longitude* 86.80244859 W

Media description: Dk brn silty sand

Aliquot #2 *Latitude:* 33.55684821 N *Longitude* 86.80246977 W

Media description: Same as B1

Aliquot #3: *Latitude:* 33.55686908 N *Longitude* 86.80236149 W

Media description: Same as B1

Aliquot #4: *Latitude:* 33.55696502 N *Longitude* 86.80228315 W

Media description: Same as B1

Aliquot #5: *Latitude:* 33.~~8022~~ 55690502 N *Longitude* 86.80228315 W

Media description: Same as B1

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0265

DATE: 2/20/13 ARRIVAL TIME: 1520

Other pertinent information (weather conditions, etc.):
~40°F, cloudy + light rain

PROPERTY COMMENTS:

Grid for property sketch

See sketch on page 28.

STATION ID: CV0265C **SAMPLE ID:** CV0265C-CS

SAMPLE COLLECTION TIME: 1550

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

Vegetable garden

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 #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55681247 N *Longitude* 86.80238041 W

Media description: Dk brn clayey Sand

Aliquot #2 *Latitude:* 33.55680402 N *Longitude* 86.80240188 W

Media description: Same as C1

Aliquot #3: *Latitude:* 33.55681219 N *Longitude* 86.80242265 W

Media description: Same as C1

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: _____

(b) (6)

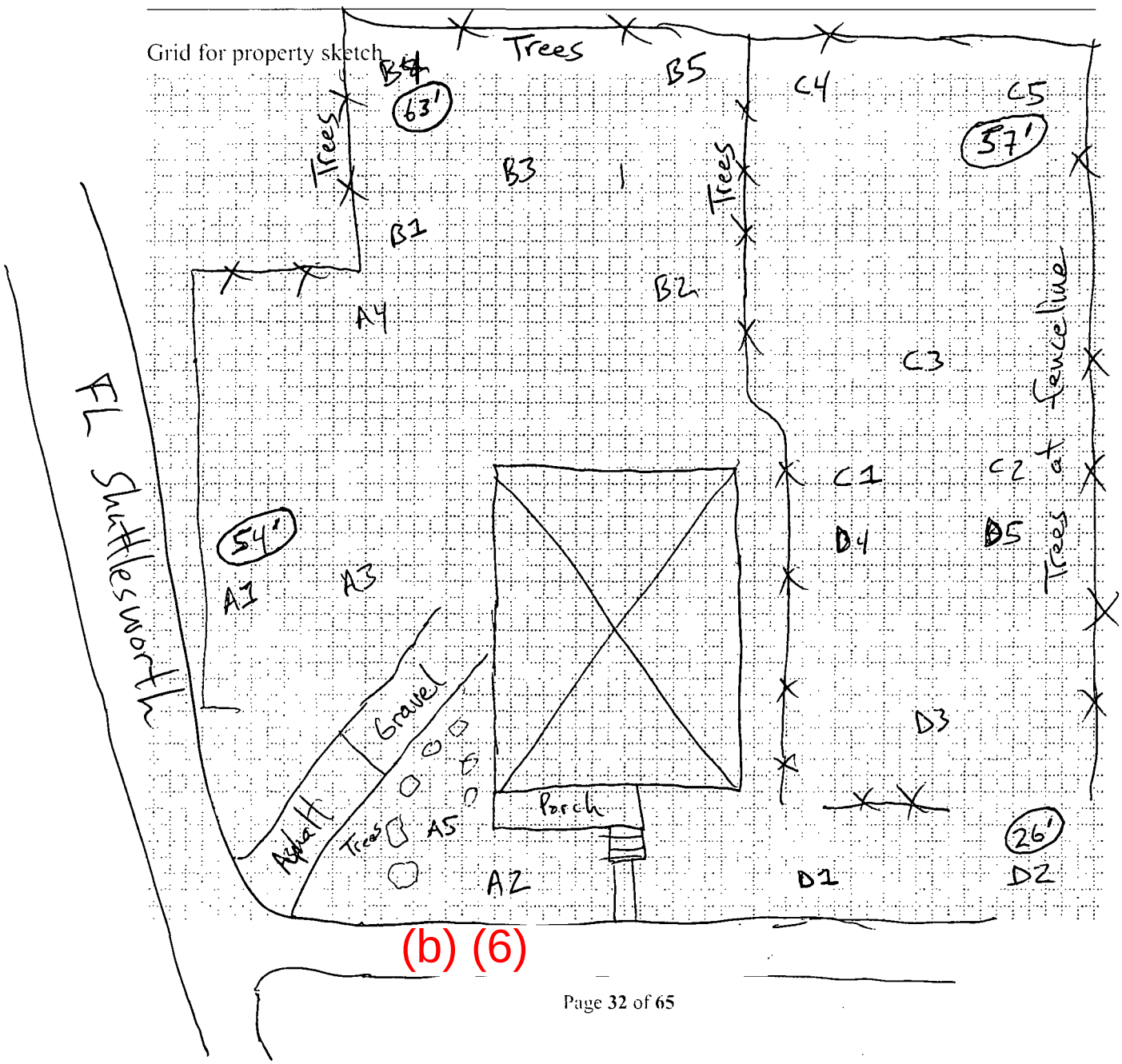
ADDRESS: _____ PROPERTY ID: HP 0018

DATE: 02/21/13 ARRIVAL TIME: 0820

Other pertinent information (weather conditions, etc.):
36°F, clear + sunny

PROPERTY COMMENTS:
Boarded up house. Collecting 4-5 point composite samples. Fence around most of the parcel boundary. Trees throughout parcel.

Grid for property sketch



(b) (6)

STATION ID: HP0018A SAMPLE ID: HP0018A-CS

SAMPLE COLLECTION TIME: 0845

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 [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56828560 N *Longitude* 86.79164000 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.56809885 N *Longitude* 86.79172143 W
Media description: Same

Aliquot #3: *Latitude:* 33.56819127 N *Longitude* 86.79163898 W
Media description: Same

Aliquot #4: *Latitude:* 33.56821334 N *Longitude* 86.79150757 W
Media description: Same

Aliquot #5: *Latitude:* 33.56809844 N *Longitude* 86.79165550 W
Media description: Same

STATION ID: HP0018B SAMPLE ID: HP0018B-CS

SAMPLE COLLECTION TIME: 0855

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
~~West~~ East of house 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 [X] Instrument #: _____ Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56821884 N *Longitude* 86.79146986 W
Media description: Black silty sand with gravel

Aliquot #2 *Latitude:* 33.56803663 N *Longitude* 86.79147441 W
Media description: Same

Aliquot #3: *Latitude:* 33.56810689 N *Longitude* 86.79139918 W
Media description: Same

Aliquot #4: *Latitude:* 33.56819678 N *Longitude* 86.79135803 W
Media description: Same

Aliquot #5: *Latitude:* 33.56804097 N *Longitude* 86.79132796 W
Media description: Same

ADDRESS: (b) (6) PROPERTY ID: HP0018

DATE: 2/21/13 ARRIVAL TIME: 0820

Other pertinent information (weather conditions, etc.):

~45°F + sunny

PROPERTY COMMENTS:

Grid for property sketch

See sketch on page 32.

STATION ID: HP0018C SAMPLE ID: HP0018C-CS

SAMPLE COLLECTION TIME: 0905

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

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

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

GPS Coordinates: Trimble ☒ Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.56798778 N *Longitude* 86.79153533 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.56791690 N *Longitude* 86.79153835 W
Media description: Same

Aliquot #3: *Latitude:* 33.56793802 N *Longitude* 86.79146989 W
Media description: Same

Aliquot #4: *Latitude:* 33.56799614 N *Longitude* 86.79135048 W
Media description: Same

Aliquot #5: *Latitude:* 33.56789090 N *Longitude* 86.79137783 W
Media description: Same

STATION ID: HP0018D SAMPLE ID: HP0018D-CS

SAMPLE COLLECTION TIME: 0915

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

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

Field Duplicate or Split: *Yes or No* *If yes, indicate* Duplicate/split sample station ID: HP0018D-CSD

GPS Coordinates: Trimble ☒ Instrument #: Logged? Y or N

Aliquot #1: *Latitude:* 33.56801352 N *Longitude* 86.79173285 W
Media description: Med brn silty sand

Aliquot #2 *Latitude:* 33.56791863 N *Longitude* 86.79175519 W
Media description: Same

Aliquot #3: *Latitude:* 33.56794101 N *Longitude* 86.79163283 W
Media description: Same

Aliquot #4: *Latitude:* 33.56798297 N *Longitude* 86.79156822 W
Media description: Same

Aliquot #5: *Latitude:* 33.56790159 N *Longitude* 86.79156189 W
Media description: Same

ADDRESS: (b) (6) PROPERTY ID: HP0261

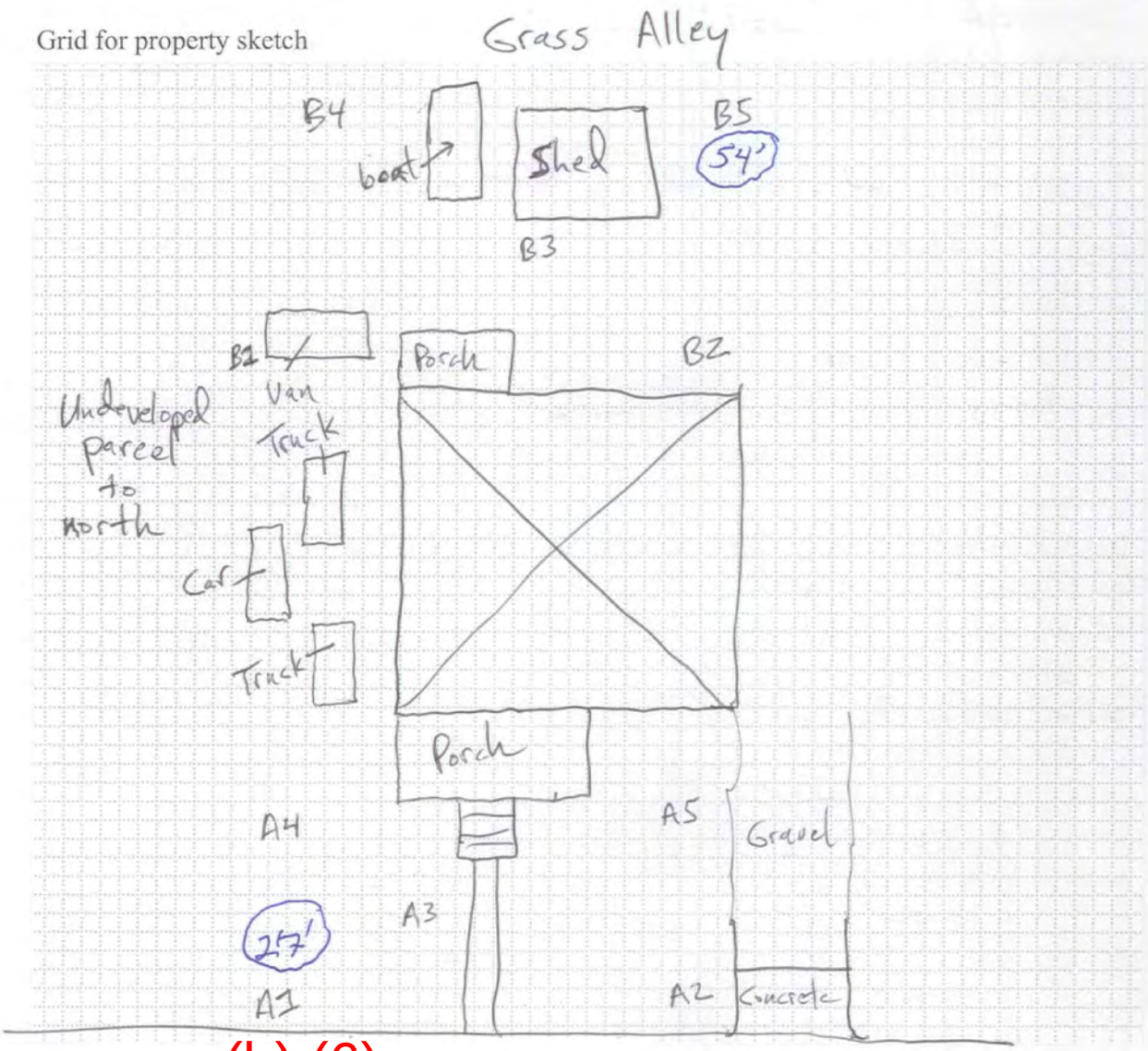
DATE: 2/21/13 ARRIVAL TIME: 0945

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

4 autos and a boat on this parcel and the parcel adjacent to the north.

Grid for property sketch



(b) (6)

STATION ID: HP0261A **SAMPLE ID:** HP0261A-CS

SAMPLE COLLECTION TIME: 1000

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

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

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

GPS Coordinates: Trimble ☒ Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.56663536 N *Longitude* 86.78992240 W
Media description: Dk brown, sand silt

Aliquot #2 *Latitude:* 33.56663658 N *Longitude* 86.78982100 W
Media description: same

Aliquot #3: *Latitude:* 33.56667293 N *Longitude* 86.78986866 W
Media description: same

Aliquot #4: *Latitude:* 33.56670244 N *Longitude* 86.78992127 W
Media description: same w/ gravel

Aliquot #5: *Latitude:* 33.56668506 N *Longitude* 86.78979120 W
Media description:

STATION ID: HP0261B **SAMPLE ID:** HP0261B-CS

SAMPLE COLLECTION TIME: 1010

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~~ RS *If yes, indicate* **Duplicate/split sample station ID:** HP0261B

GPS Coordinates: Trimble ☒ Instrument #: Logged? Y or N

Aliquot #1: *Latitude:* 33.56688479 N *Longitude* 86.78991054 W
Media description: Reddish brown clayey silt

Aliquot #2 *Latitude:* 33.56687454 N *Longitude* 86.78977832 W
Media description: same

Aliquot #3: *Latitude:* 33.56692609 N *Longitude* 86.78983886 W
Media description: same

Aliquot #4: *Latitude:* 33.56699864 N *Longitude* 86.78988719 W
Media description: same

Aliquot #5: *Latitude:* 33.56697302 N *Longitude* 86.78975651 W
Media description: same

(b) (6)

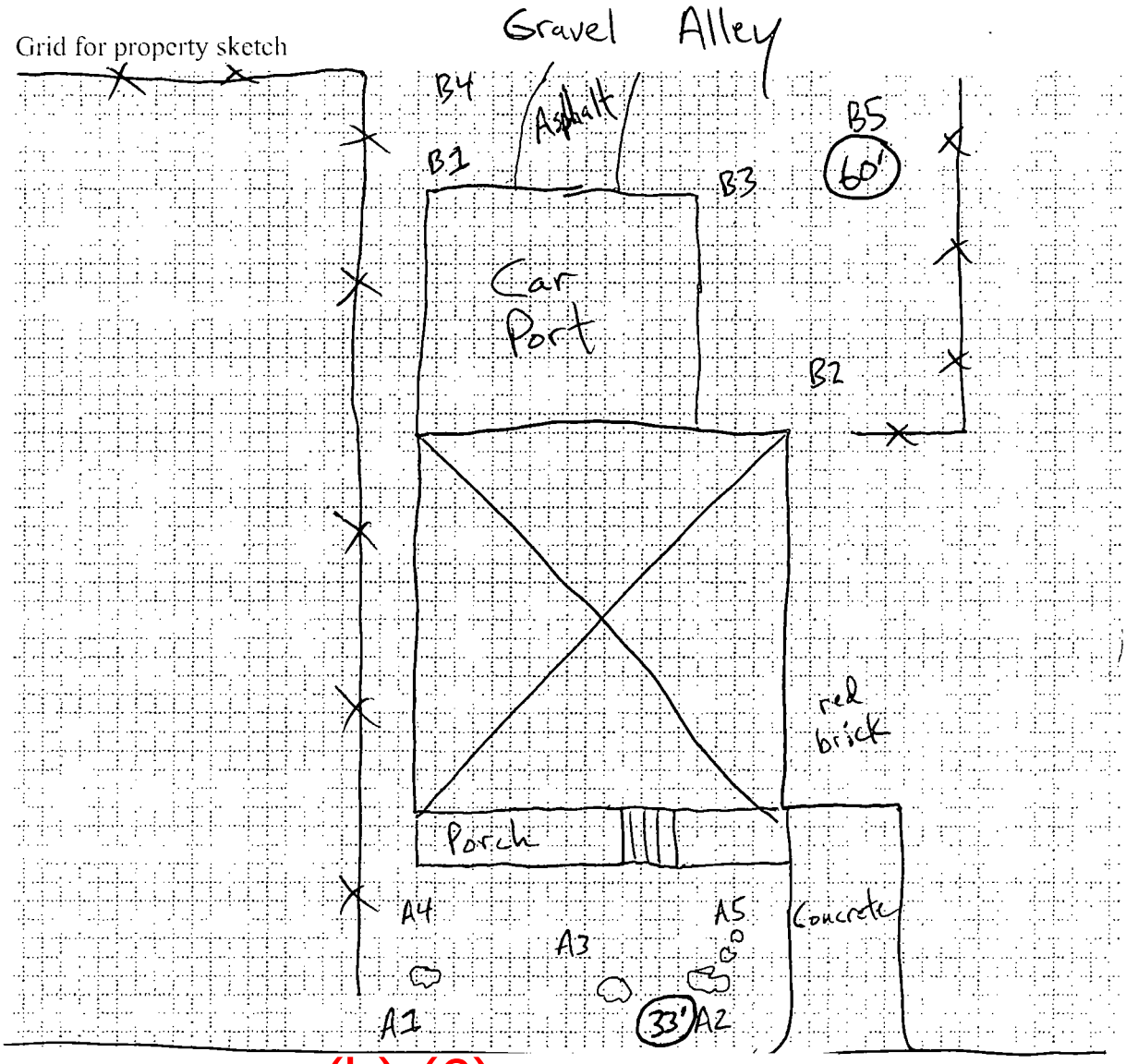
ADDRESS: PROPERTY ID: HP0246

DATE: 2/21/13 ARRIVAL TIME: 1020

Other pertinent information (weather conditions, etc.):
~48°F + partly cloudy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: HP0246A **SAMPLE ID:** HP0246A-CS

SAMPLE COLLECTION TIME: 1030

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 #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.56668712 N *Longitude* 86.79120073 W

Media description: Med brn clayey sand

Aliquot #2 *Latitude:* 33.56668108 N *Longitude* 86.79116028 W

Media description: Same

Aliquot #3: *Latitude:* 33.56671189 N *Longitude* 86.79117709 W

Media description: Same

Aliquot #4: *Latitude:* 33.56673995 N *Longitude* 86.79120276 W

Media description: Same

Aliquot #5: *Latitude:* 33.56673860 N *Longitude* 86.79114107 W

Media description: Same

STATION ID: HP0246B **SAMPLE ID:** HP0246B-CS

SAMPLE COLLECTION TIME: 1040

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 #: Logged? Y or N

Aliquot #1: *Latitude:* 33.56696842 N *Longitude* 86.79121805 W

Media description: Red brn clayey sand

Aliquot #2 *Latitude:* 33.56691023 N *Longitude* 86.79111103 W

Media description: Same

Aliquot #3: *Latitude:* 33.56697705 N *Longitude* 86.79115983 W

Media description: Same

Aliquot #4: *Latitude:* 33.56704793 N *Longitude* 86.79121417 W

Media description: Same

Aliquot #5: *Latitude:* 33.56705894 N *Longitude* 86.79111324 W

Media description: Same

ADDRESS: (b) (6) PROPERTY ID: ~~HP~~ RS CV0859

DATE: 2/21/13 ARRIVAL TIME: 1215

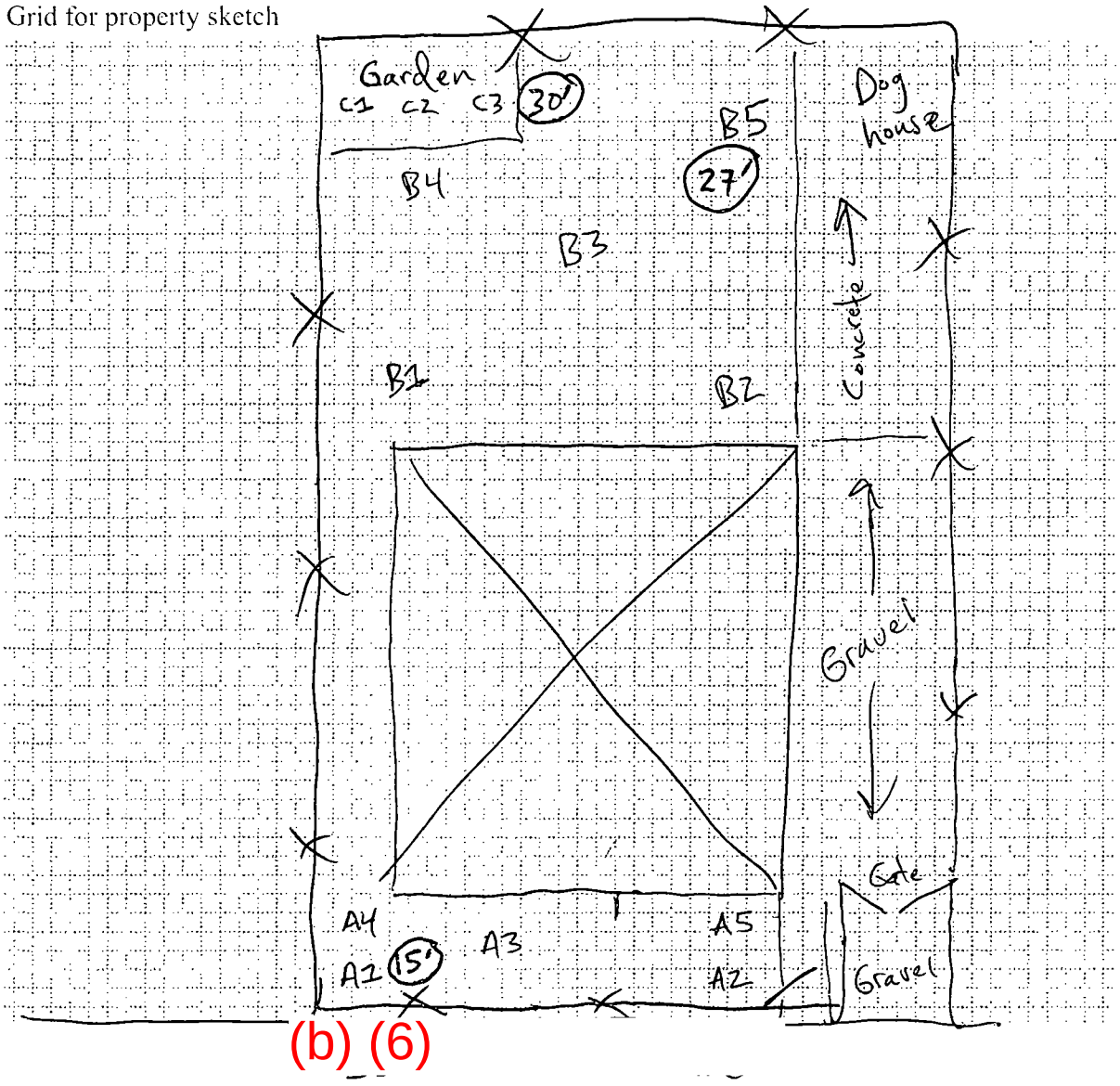
Other pertinent information (weather conditions, etc.):

~ 60°F + cloudy

PROPERTY COMMENTS:

Vegetable garden in back yard.

Grid for property sketch



STATION ID: CV0859A **SAMPLE ID:** CV0859A-CS

SAMPLE COLLECTION TIME: 1230

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 [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55344165 N *Longitude* 86.79992082 W
Media description: Dk brn sandy silt

Aliquot #2 *Latitude:* 33.55350271 N *Longitude* 86.79991763 W
Media description: Same

Aliquot #3: *Latitude:* 33.55347381 N *Longitude* 86.79993804 W
Media description: Same

Aliquot #4: *Latitude:* 33.55345114 N *Longitude* 86.79996244 W
Media description: Same

Aliquot #5: *Latitude:* 33.55351321 N *Longitude* 86.79993507 W
Media description: Same

STATION ID: CV0859B **SAMPLE ID:** CV0859B-CS

SAMPLE COLLECTION TIME: 1240

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

Aliquot #1: *Latitude:* 33.55345754 N *Longitude* 86.80009440 W
Media description: Dk brn sandy silt

Aliquot #2 *Latitude:* 33.55350699 N *Longitude* 86.80009608 W
Media description: Same

Aliquot #3: *Latitude:* 33.55348965 N *Longitude* 86.80012869 W
Media description: Same

Aliquot #4: *Latitude:* 33.55346973 N *Longitude* 86.80016646 W
Media description: Same

Aliquot #5: *Latitude:* 33.55351501 N *Longitude* 86.80017439 W
Media description: Same

ADDRESS: (b) (6) PROPERTY ID: CV0859

DATE: 2/21/13 ARRIVAL TIME: 1215

Other pertinent information (weather conditions, etc.):

~ 60°F + cloudy

PROPERTY COMMENTS:

Vegetable garden in back yard.

Grid for property sketch

See sketch on page 40.

STATION ID: CV0859C **SAMPLE ID:** CV0859C-CS

SAMPLE COLLECTION TIME: 1250

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

Vegetable garden – 3 pt composite

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:* 33.55346478 N *Longitude* 86.80018275 W

Media description: Dk brn sandy silt with manmade debris

Aliquot #2 *Latitude:* 33.55346869 N *Longitude* 86.80018344 W

Media description: Same

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

Media description: Same

~~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: CV0311

DATE: 2/21/13

ARRIVAL TIME: 1305

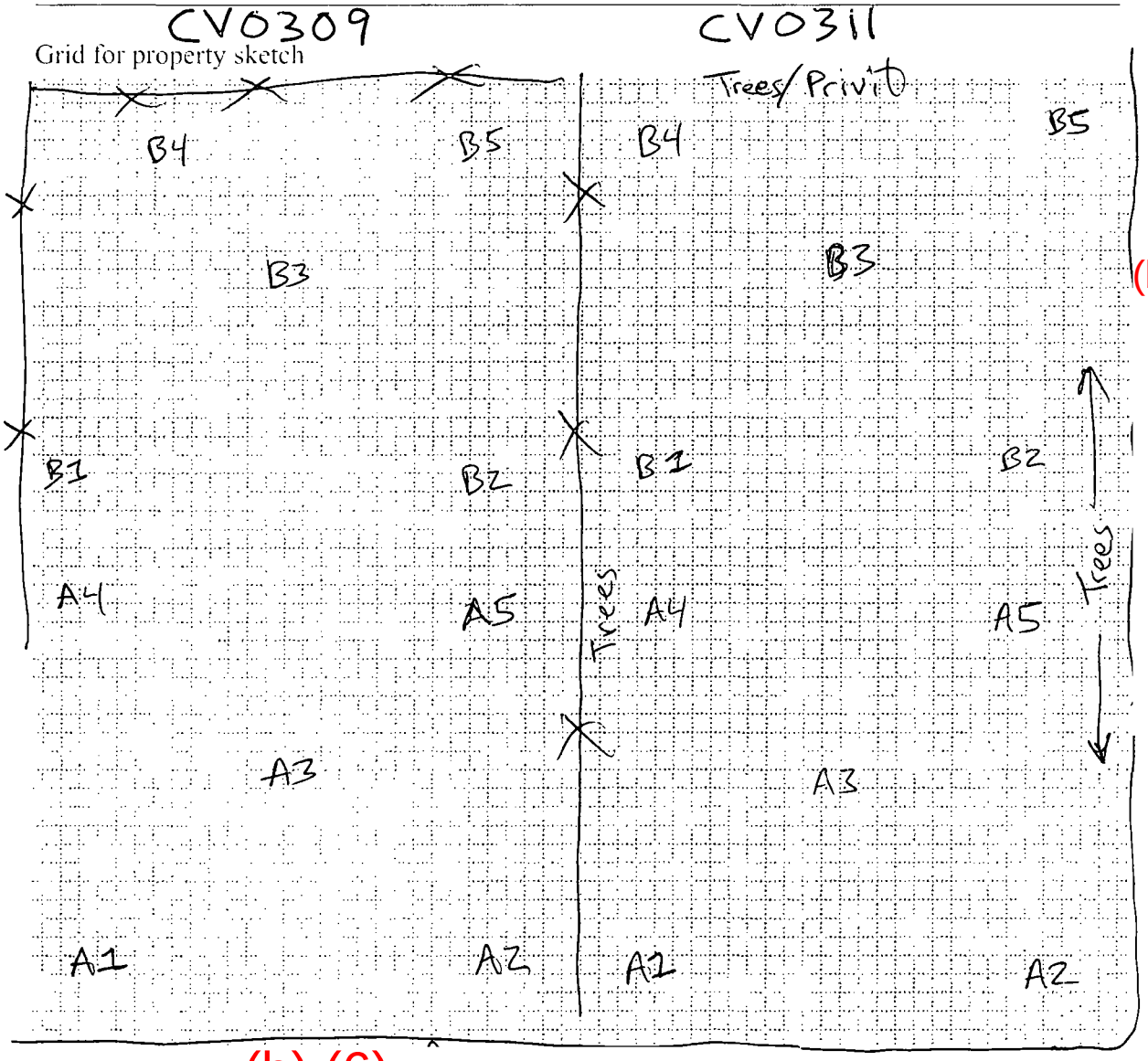
Other pertinent information (weather conditions, etc.):

63°F + cloudy

PROPERTY COMMENTS:

Undeveloped vacant lot adjacent to CV0309 which is also an undeveloped vacant lot.

Grid for property sketch



(b) (6)

(b) (6)

STATION ID: CV0311A **SAMPLE ID:** CV0311A-CS

SAMPLE COLLECTION TIME: 1335

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

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 #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55528902 N *Longitude* 86.79644656 W
Media description: Dk brn wet clayey sand

Aliquot #2 *Latitude:* 33.55528750 N *Longitude* 86.79633740 W
Media description: Same

Aliquot #3: *Latitude:* 33.55535261 N *Longitude* 86.79638662 W
Media description: Same

Aliquot #4: *Latitude:* 33.55542485 N *Longitude* 86.79646225 W
Media description: Same

Aliquot #5: *Latitude:* 33.55541777 N *Longitude* 86.79635519 W
Media description: Same

STATION ID: CV0311B **SAMPLE ID:** CV0311B-CS

SAMPLE COLLECTION TIME: 1345

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

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:* 33.55544152 N *Longitude* 86.79646009 W
Media description: Dk brn clayey sand wet

Aliquot #2 *Latitude:* 33.55541979 N *Longitude* 86.79635253 W
Media description: Same

Aliquot #3: *Latitude:* 33.55550332 N *Longitude* 86.79637828 W
Media description: Same

Aliquot #4: *Latitude:* 33.55555753 N *Longitude* 86.79643954 W
Media description: Same

Aliquot #5: *Latitude:* 33.55556378 N *Longitude* 86.79633675 W
Media description: Same

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0309

DATE: 2/21/13 ARRIVAL TIME: 1215

Other pertinent information (weather conditions, etc.):
63°F + cloudy

PROPERTY COMMENTS:
Undeveloped vacant lot adjacent to CV0311.

Grid for property sketch

See sketch on page 44.

STATION ID: CV0309A **SAMPLE ID:** CV0309A-CS

SAMPLE COLLECTION TIME: 1315

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

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 #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55529088 N *Longitude* 86.79657104 W
Media description: Black clayey sand

Aliquot #2 *Latitude:* 33.55527996 N *Longitude* 86.79649083 W
Media description: Same

Aliquot #3: *Latitude:* 33.55536504 N *Longitude* 86.79652738 W
Media description: Same

Aliquot #4: *Latitude:* 33.55541787 N *Longitude* 86.79656710 W
Media description: Same

Aliquot #5: *Latitude:* 33.55542845 N *Longitude* 86.79647903 W
Media description: Same

STATION ID: CV0309B **SAMPLE ID:** CV0309B-CS

SAMPLE COLLECTION TIME: 1325

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

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:* 33.55546149 N *Longitude* 86.79658225 W
Media description: Black clayey sand wet

Aliquot #2 *Latitude:* 33.55546681 N *Longitude* 86.79647288 W
Media description: Same as B1

Aliquot #3: *Latitude:* 33.55551688 N *Longitude* 86.79653015 W
Media description: Same as B1

Aliquot #4: *Latitude:* 33.55558644 N *Longitude* 86.79655555 W
Media description: Black clayey sand wet with a burnt odor evident

Aliquot #5: *Latitude:* 33.55556703 N *Longitude* 86.~~7649~~ W
Media description: Same as B4 79649796

(b) (6)

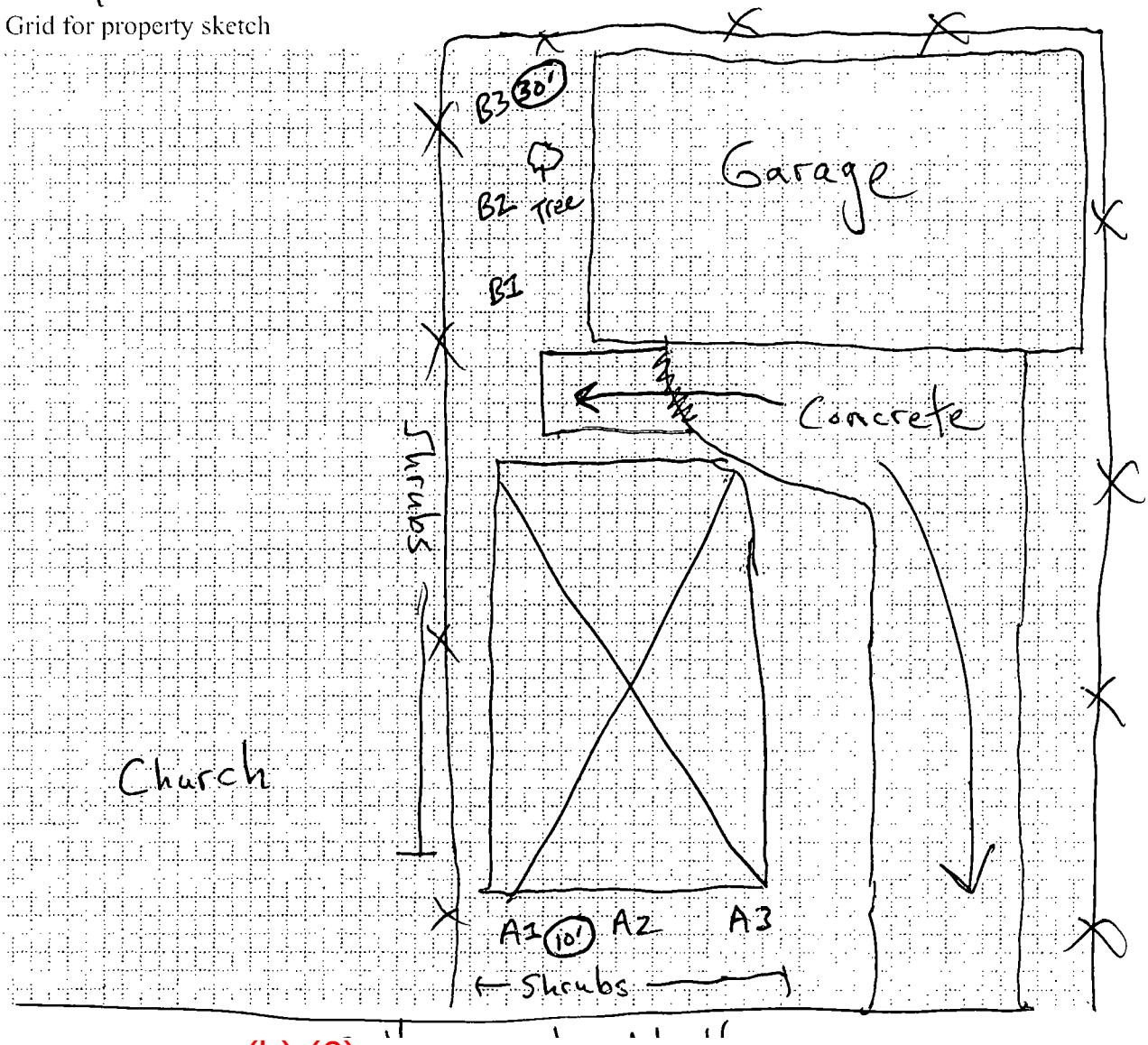
ADDRESS: _____ PROPERTY ID: CV0759

DATE: 2/22/13 ARRIVAL TIME: 0820

Other pertinent information (weather conditions, etc.):
~50°F + light mist

PROPERTY COMMENTS:
Spreadsheet indicates vegetable garden. Sampling team could not locate a vegetable garden on the property. Front + back yards are so small only 3-point composites were collected.

Grid for property sketch



(b) (6)

STATION ID: CV0759A SAMPLE ID: CV0759A-CS

SAMPLE COLLECTION TIME: 0830

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

Front yard 3 point

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

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

GPS Coordinates: Trimble [X] Instrument #: 018598 Logged? Y or N

Aliquot #1: *Latitude:* 33.55343137 N *Longitude* 86.80435981 W

Media description: Dk brn silty sand

Aliquot #2 *Latitude:* 33.55342998 N *Longitude* 86.80430951 W

Media description: Same as A1

Aliquot #3: *Latitude:* 33.55343142 N *Longitude* 86.80426491 W

Media description: Same as A1

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

~~Media description: _____~~

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

~~Media description: _____~~

STATION ID: CV0759B SAMPLE ID: CV0759B-CS

SAMPLE COLLECTION TIME: 0845

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

Back yard 3 point

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

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

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

Aliquot #1: *Latitude:* 33.55362306 N *Longitude* 86.80437991 W

Media description: Dk brn silty sand

Aliquot #2 *Latitude:* 33.55366190 N *Longitude* 86.80438292 W

Media description: Same as B1

Aliquot #3: *Latitude:* 33.55374898 N *Longitude* 86.80435941 W

Media description: Same as B1

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

~~Media description: _____~~

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

~~Media description: _____~~

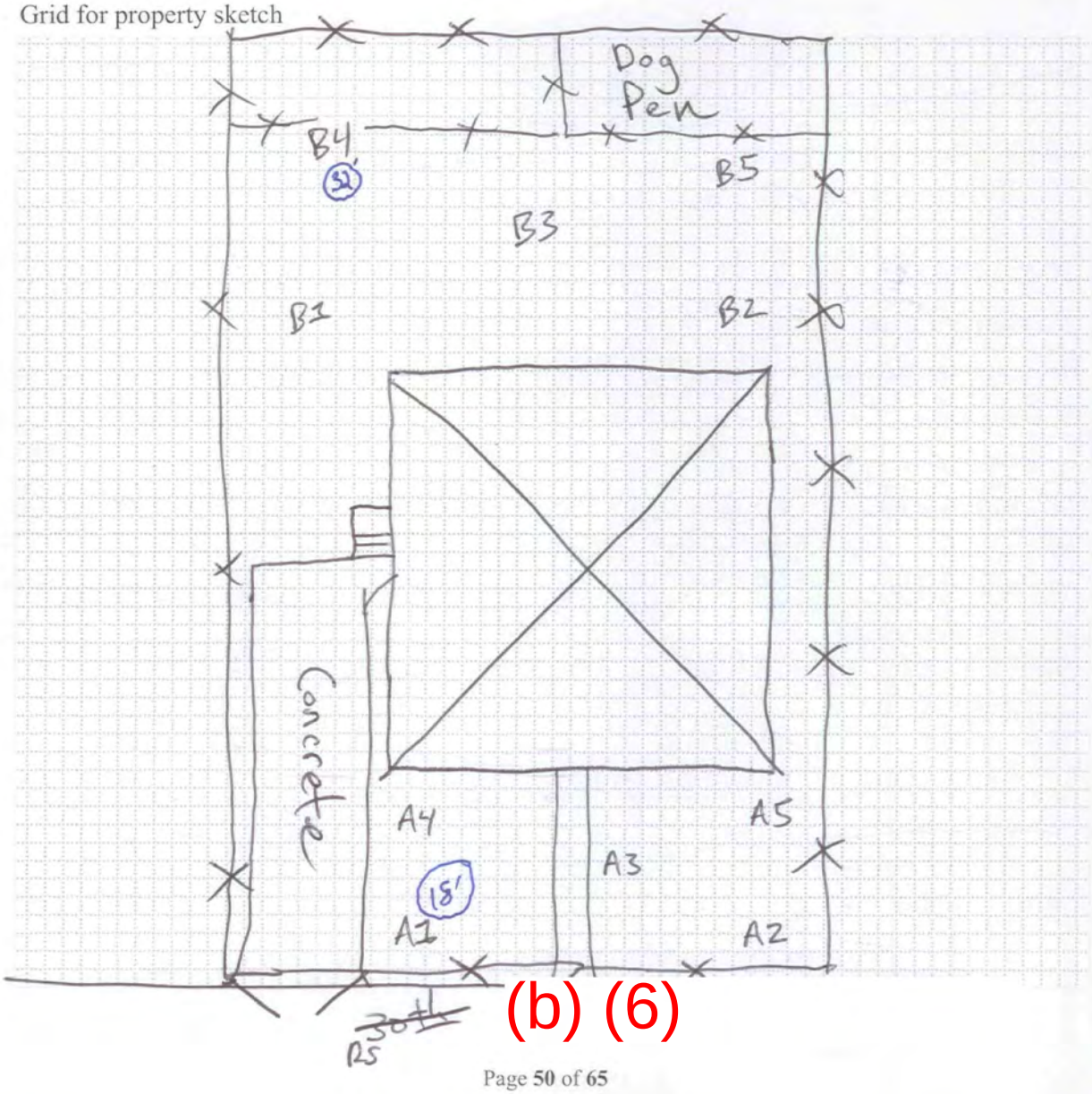
ADDRESS: (b) (6) PROPERTY ID: CV0391

DATE: 2/22/13 ARRIVAL TIME: 0905

Other pertinent information (weather conditions, etc.):
~50°F + cloudy

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0~~759~~A (391 RS) SAMPLE ID: CV0~~759~~A-CS (391 RS)

SAMPLE COLLECTION TIME: 0915

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 [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55714639 N *Longitude* 86.79957570 W

Media description: Dk brn silty sand

Aliquot #2 *Latitude:* 33.55720742 N *Longitude* 86.79958653 W

Media description: Same as A1

Aliquot #3: *Latitude:* 33.55717834 N *Longitude* 86.79960433 W

Media description: Same as A1

Aliquot #4: *Latitude:* 33.55714722 N *Longitude* 86.79961689 W

Media description: Same as A1

Aliquot #5: *Latitude:* 33.55721463 N *Longitude* 86.79961153 W

Media description: Same as A1

STATION ID: CV0~~759~~B (391 RS) SAMPLE ID: CV0~~759~~B-CS (391 RS)

SAMPLE COLLECTION TIME: 0925

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

Aliquot #1: *Latitude:* 33.55713459 N *Longitude* 86.79986556 W

Media description: Lt brn silty sand

Aliquot #2 *Latitude:* 33.55718097 N *Longitude* 86.79985427 W

Media description: Same as B1

Aliquot #3: *Latitude:* 33.55715084 N *Longitude* 86.7998900 W

Media description: Same as B1

Aliquot #4: *Latitude:* 33.55712278 N *Longitude* 86.79991179 W

Media description: Same as B1

Aliquot #5: *Latitude:* 33.55719635 N *Longitude* 86.79992222 W

Media description: Same as B1

(b) (6)

ADDRESS: _____ PROPERTY ID: HP0074

DATE: 2/22/13 ARRIVAL TIME: 0945

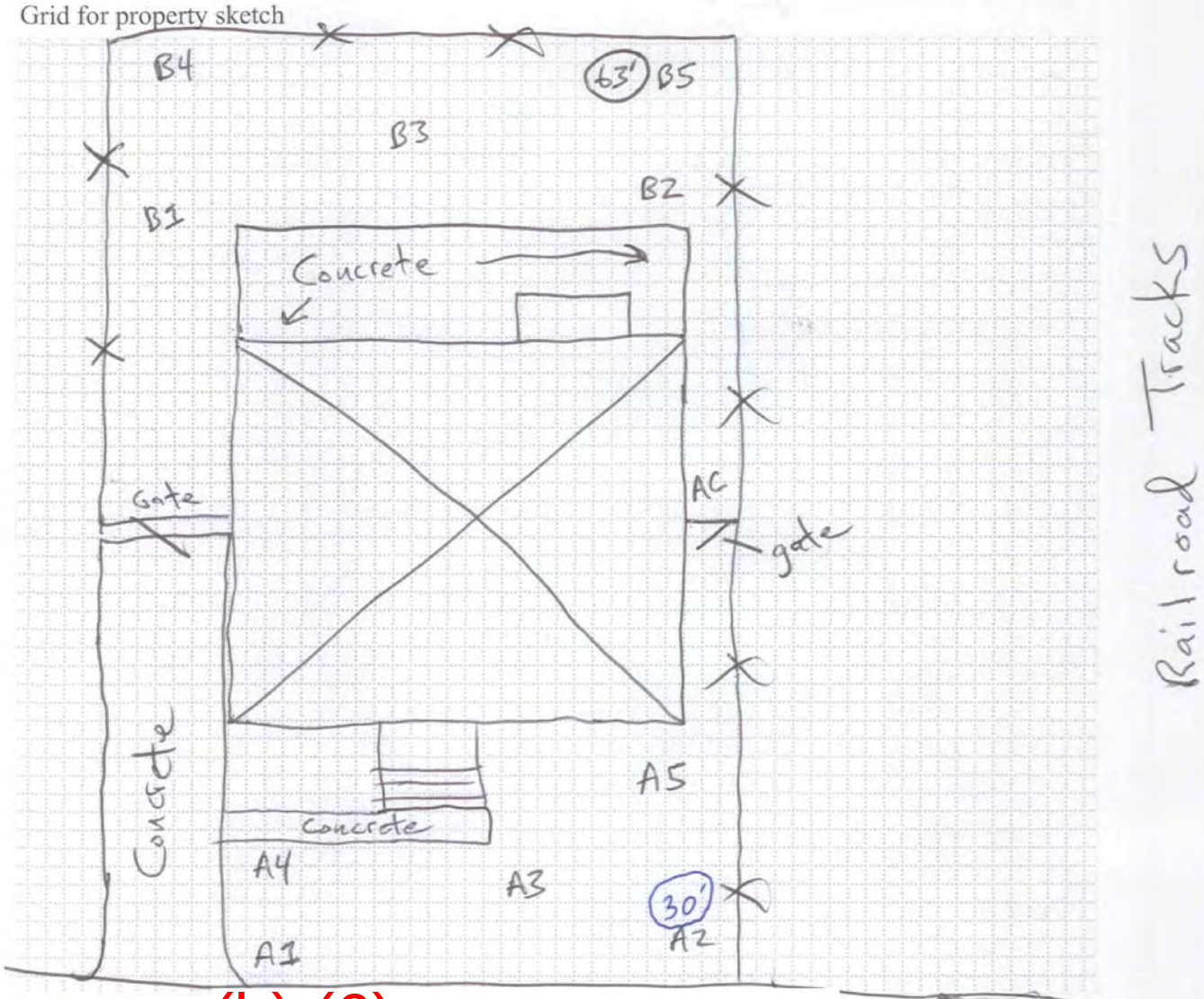
Other pertinent information (weather conditions, etc.):

~54°F + cloudy

PROPERTY COMMENTS:

Property is adjacent to railroad.

Grid for property sketch



(b) (6)

STATION ID: HP0074A **SAMPLE ID:** HP0074A-CS

SAMPLE COLLECTION TIME: 0950

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:** HP0074A

GPS Coordinates: Trimble [X] Instrument #: 018598 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56391619 N *Longitude* 86.79012735 W
Media description: Lt grey gravelly clay

Aliquot #2 *Latitude:* 33.56392266 N *Longitude* 86.79005340 W
Media description: dk brn silty sand

Aliquot #3: *Latitude:* 33.56395135 N *Longitude* 86.79010272 W
Media description: same as 2

Aliquot #4: *Latitude:* 33.56397399 N *Longitude* 86.79013423 W
Media description: Same as 2

Aliquot #5: *Latitude:* 33.56398654 N *Longitude* 86.79005315 W
Media description: Same as 2

STATION ID: HP0074B **SAMPLE ID:** HP0074B-CS

SAMPLE COLLECTION TIME: 1000

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

Aliquot #1: *Latitude:* 33.56415859 N *Longitude* 86.79015592 W
Media description: DK grey sandy clay

Aliquot #2 *Latitude:* 33.56416164 N *Longitude* 86.79007006 W
Media description: Same

Aliquot #3: *Latitude:* 33.56420536 N *Longitude* 86.79010311 W
Media description: Same

Aliquot #4: *Latitude:* 33.56427766 N *Longitude* 86.79014056 W
Media description: Same

Aliquot #5: *Latitude:* 33.56428557 N *Longitude* 86.79007161 W
Media description: Same

ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

End of Logbook
R. Stubb
02/22/19

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