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United States Environmental Protection Agency
Region 4

OTIE
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FIELD SAMPLING LOGBOOK

Book 1 **of** ___

Inclusive Dates: 02/19/13-

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		URS, 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: CV0016

DATE: 02/19/13 ARRIVAL TIME: 1520

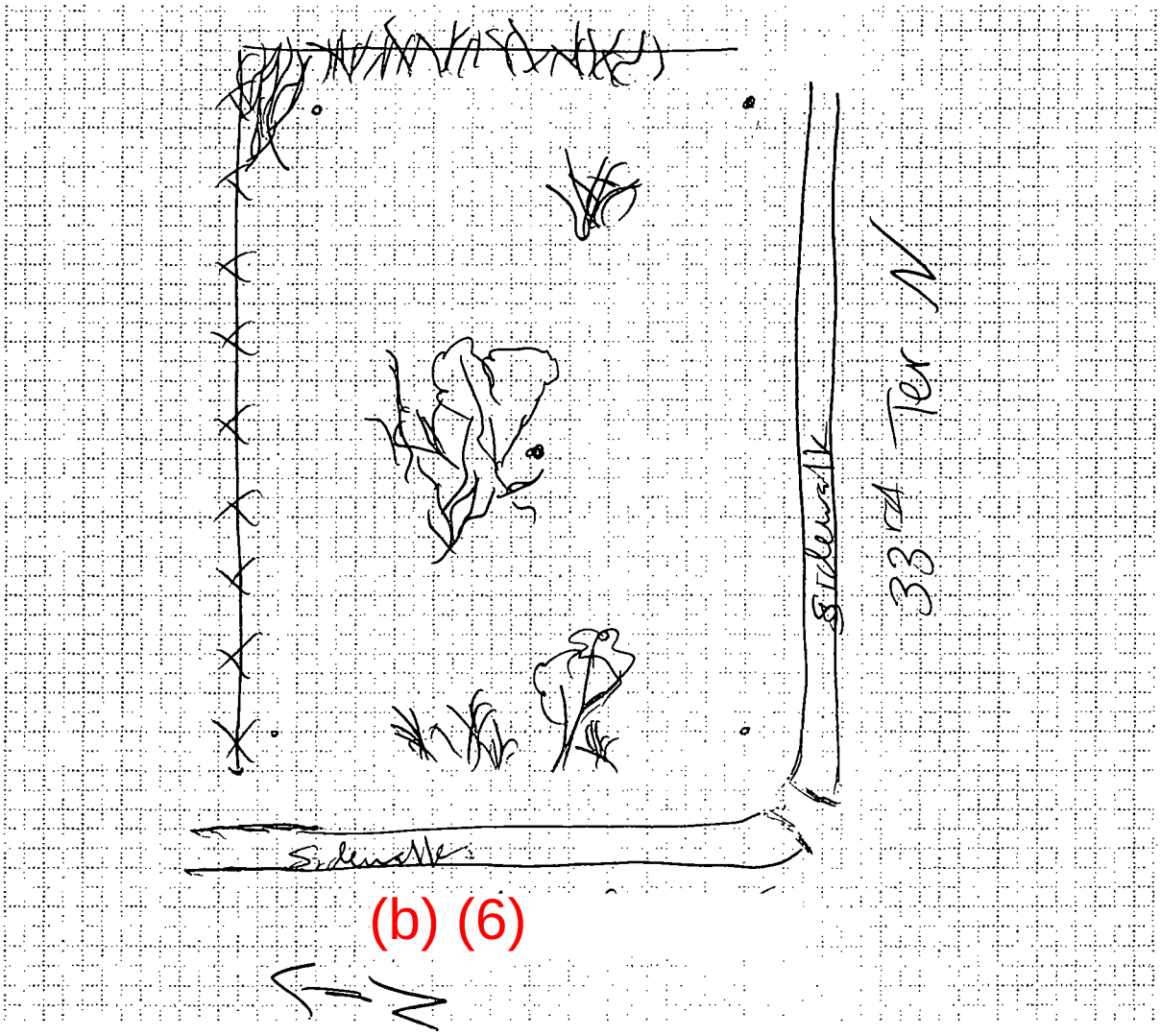
Other pertinent information (weather conditions, etc.):

56° F Sunny, WNW @ 19 MPH 29% humidity

PROPERTY COMMENTS:

vacant parcel

Grid for property sketch



STATION ID: CV0016A **SAMPLE ID:** CV0016A-CS

SAMPLE COLLECTION TIME: 1535

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

vacant - whole 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:** CV0016A-CSD @ 1537

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

Aliquot #1: *Latitude:* 33.55708775° N *Longitude* 86.80659789° W

Media description: BK brn slt m dmp

Aliquot #2 *Latitude:* 33.55720675° N *Longitude* 86.80658422° W

Media description: Same soil as #1

Aliquot #3: *Latitude:* 33.55714465° N *Longitude* 86.80645381° W

Media description: Same soil as #1

Aliquot #4: *Latitude:* 33.55706981° N *Longitude* 86.80631061° W

Media description: same soil as #1

Aliquot #5: *Latitude:* 33.55719380° N *Longitude* 86.80630971° W

Media description: Same soil as #1

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: CV00015

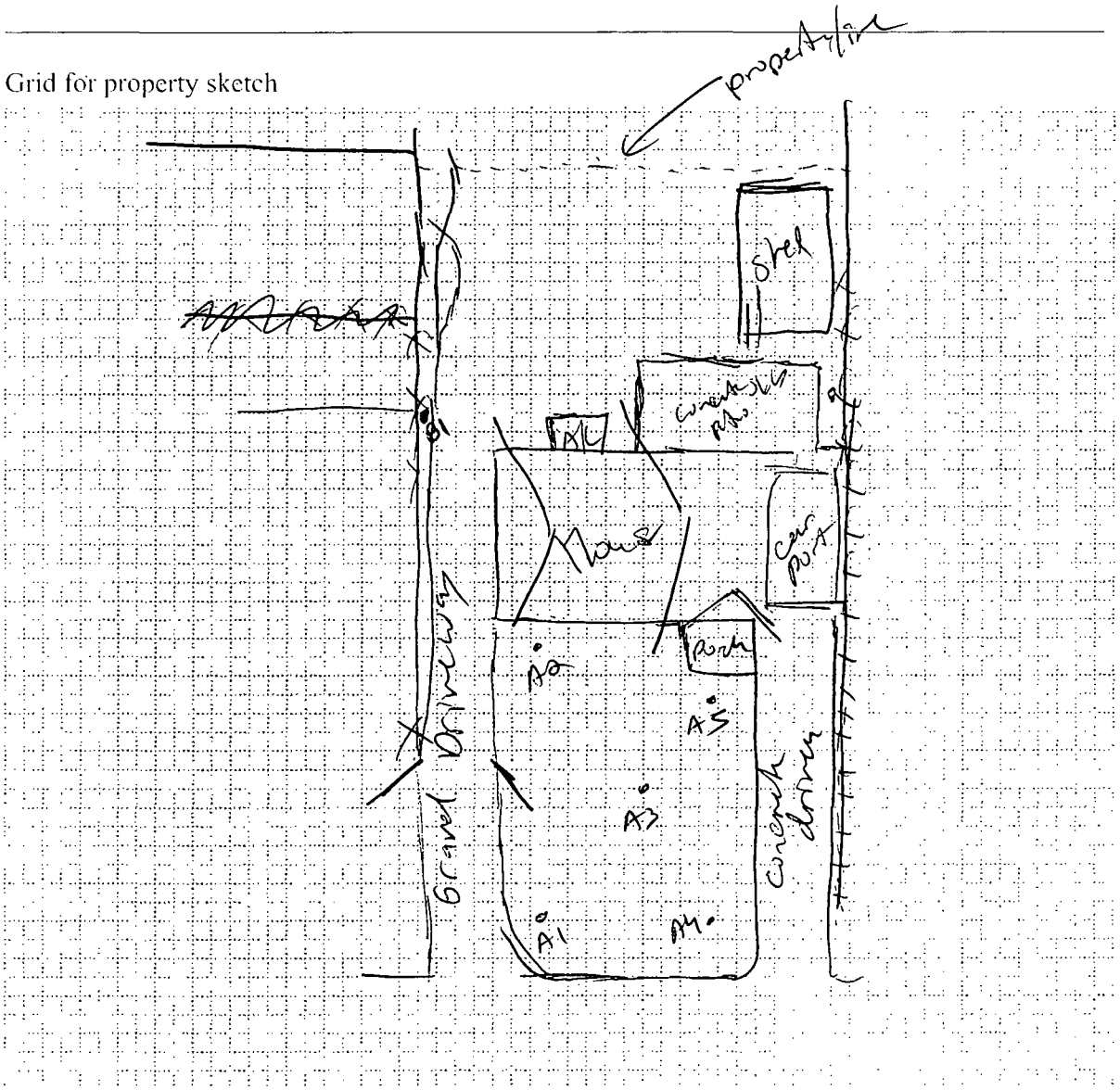
DATE: 02/19/13 ARRIVAL TIME: 1351

Other pertinent information (weather conditions, etc.):

54°F Sunny WNW @ 19mph 31% humidity

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0015A **SAMPLE ID:** CV0015A-CS

SAMPLE COLLECTION TIME: 1615

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.5564547° N *Longitude* 86.80682888° W

Media description: CV0015A1

Aliquot #2 *Latitude:* 33.55660205° N *Longitude* 86.80680281° W

Media description: CV0015A2

Aliquot #3: *Latitude:* 33.55657165° N *Longitude* 86.80676682° W

Media description: CV0015A3

Aliquot #4: *Latitude:* 33.55654605° N *Longitude* 86.80671810° W

Media description: CV0015A4

Aliquot #5: *Latitude:* 33.55660206° N *Longitude* 86.80671566° W

Media description: CV0015A5

STATION ID: CV0015B **SAMPLE ID:** CV0015B-CS

SAMPLE COLLECTION TIME: 1625

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

Back yard only 1 grab on each side of Driveway & concrete patio by fenceline Gravel everywhere else

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 #: 020968 Logged? Y or N

Aliquot #1: *Latitude:* 33.55665520° N *Longitude* 86.80695432° W

Media description: CV0015B1

Aliquot #2 *Latitude:* 33.55648646° N *Longitude* 86.80696697° W

Media description: CV0015B2

~~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: CV-0916

DATE: 02/20/2013 ARRIVAL TIME: 1250

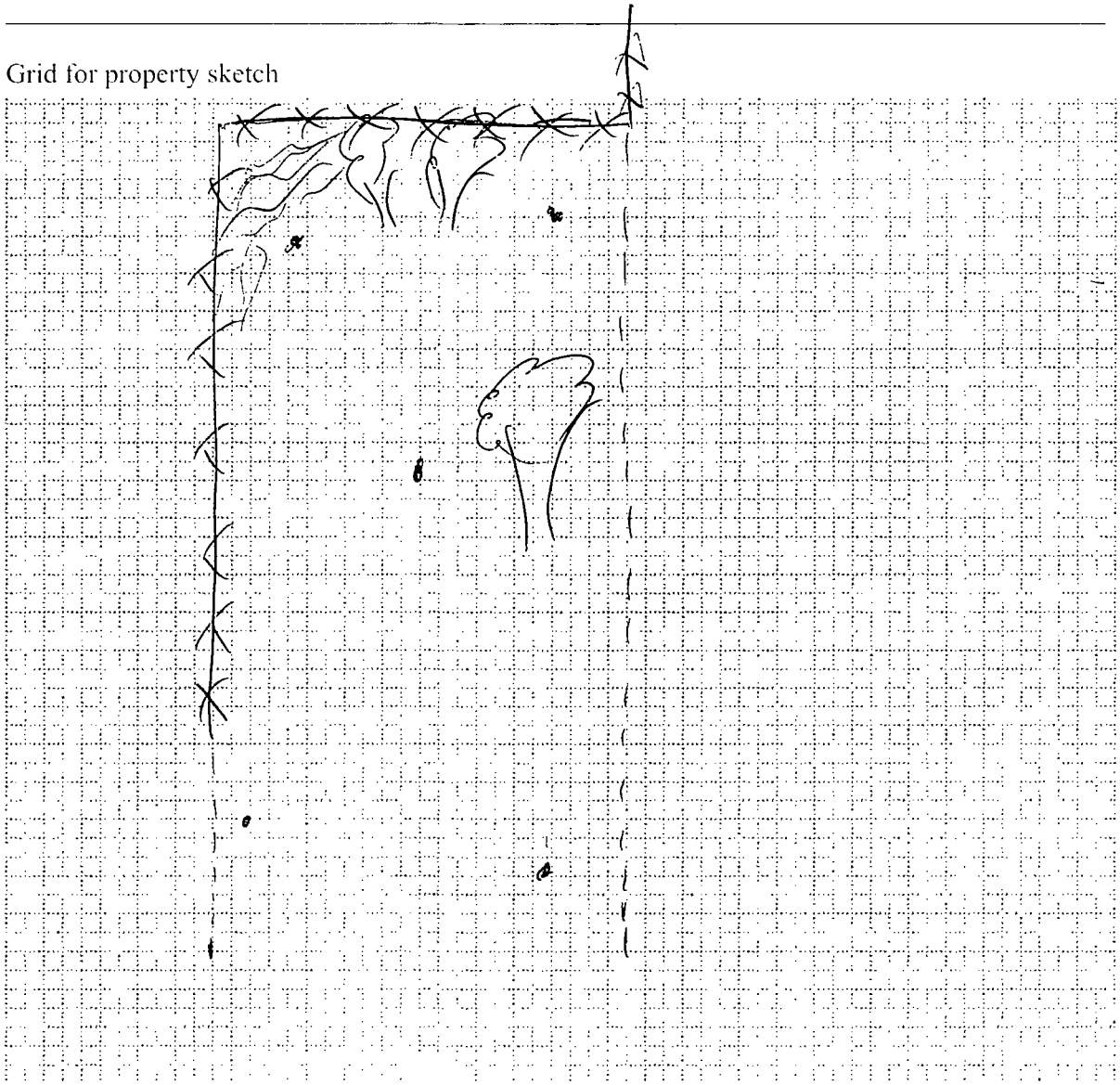
Other pertinent information (weather conditions, etc.):

44°F Mostly cloudy NW winds @ 7mph 34% humidity

PROPERTY COMMENTS:

Vacant narrow lot

Grid for property sketch



STATION ID: CV-0916A **SAMPLE ID:** CV-0916A-CS

SAMPLE COLLECTION TIME: 1308

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

Vacant whole 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 #: 080168 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.557270034° N *Longitude* 86.79591655° W

Media description: DK brn silty clay m-f dry

Aliquot #2 *Latitude:* 33.55750902° N *Longitude* 86.79593755° W

Media description: DK brn silty clay m-f dry

Aliquot #3: *Latitude:* 33.55735826° N *Longitude* 86.79589564° W

Media description: DK brn silty clay m-f dry

Aliquot #4: *Latitude:* 33.55727660° N *Longitude* 86.79586934° W

Media description: DK brn silty clay m-f wet

Aliquot #5: *Latitude:* 33.55750469° N *Longitude* 86.79585773° W

Media description: DK brn silty clay m-f dry

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: _____

Back Gate locked
could not access.
Attempted several times to go by to see if someone was home

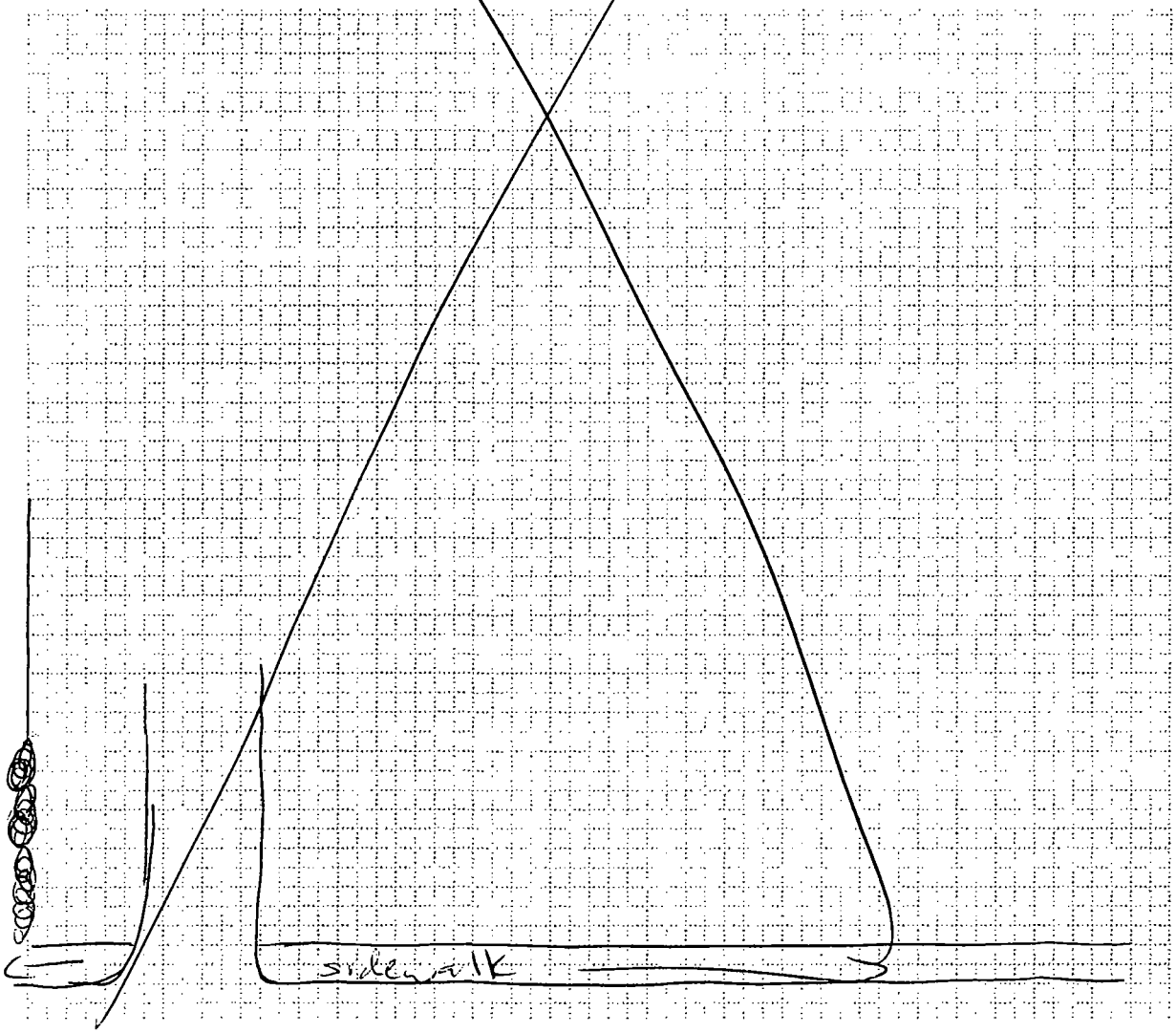
ADDRESS: (b) (6) PROPERTY ID: CV-0332

DATE: 02/20/2013 ARRIVAL TIME: 1320

Other pertinent information (weather conditions, etc.):
45° Mostly cloudy winds N @ 7MPH 24% humidity

PROPERTY COMMENTS:
Back gate locked - no one home will have to come back later

Grid for property sketch



STATION ID: CN-0332A **SAMPLE ID:** CN-0332A-CS

SAMPLE COLLECTION TIME: _____

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

_____

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

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

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

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

STATION ID: CN-0332B **SAMPLE ID:** CN-0332B-CS

SAMPLE COLLECTION TIME: _____

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

_____

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

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

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

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

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

Media description: _____

(b) (6)

ADDRESS _____ PROPERTY ID: CV-0308

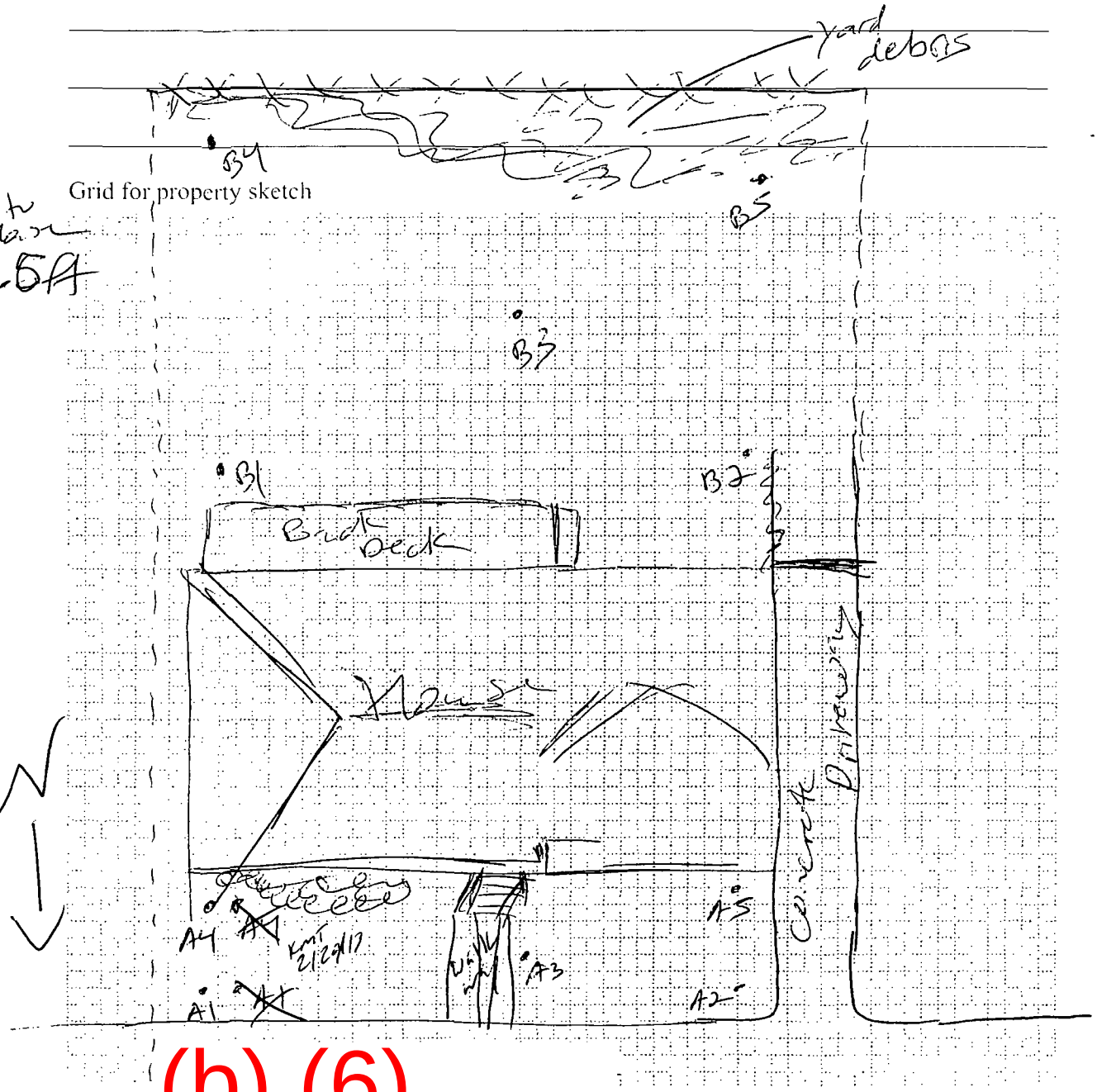
DATE: 02/20/13 ARRIVAL TIME: 1331

Other pertinent information (weather conditions, etc.):

46°F Mostly cloudy winds NE 10 MPH 26% humid.

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV-0308A **SAMPLE ID:** CV-0308A-CS

SAMPLE COLLECTION TIME: 1345

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 #: 020168 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.555180370° N *Longitude* 86.796662776° W

Media description: Md Brn silty clay w/ some sand dmp

Aliquot #2 *Latitude:* 33.555183490° N *Longitude* 86.796735390° W

Media description: Sam Soil

Aliquot #3: *Latitude:* 33.55516530° N *Longitude* 86.79669085° W

Media description: Sam Soil

Aliquot #4: *Latitude:* 33.55513647° N *Longitude* 86.79663052° W

Media description: Sam soil

Aliquot #5: *Latitude:* 33.55513274° N *Longitude* 86.79674244° W

Media description: Sam soil

STATION ID: CV-0308B **SAMPLE ID:** CV-0308B-CS

SAMPLE COLLECTION TIME: 1355

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 #: 020168 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.554994448° N *Longitude* 86.79663945° W

Media description: Md Brn Sand silt dmp

Aliquot #2 *Latitude:* 33.55500608° N *Longitude* 86.79675068° W

Media description: Md Brn sndy silt dmp

Aliquot #3: *Latitude:* 33.55493185° N *Longitude* 86.796704818° W

Media description: Md Brn Sndy silt dmp

Aliquot #4: *Latitude:* 33.55486873° N *Longitude* 86.79666209° W

Media description: DK brn sndy silt dmp

Aliquot #5: *Latitude:* 33.55487357° N *Longitude* 86.79674501° W

Media description: DK brn Sndy silt dmp

ADDRESS: (b) (6) PROPERTY ID: CV 0772

DATE: 02/20/13 ARRIVAL TIME: 1425

Other pertinent information (weather conditions, etc.):

44°F cloudy and sprinkling NNE winds @ 14 MPH 88% humidity

PROPERTY COMMENTS:

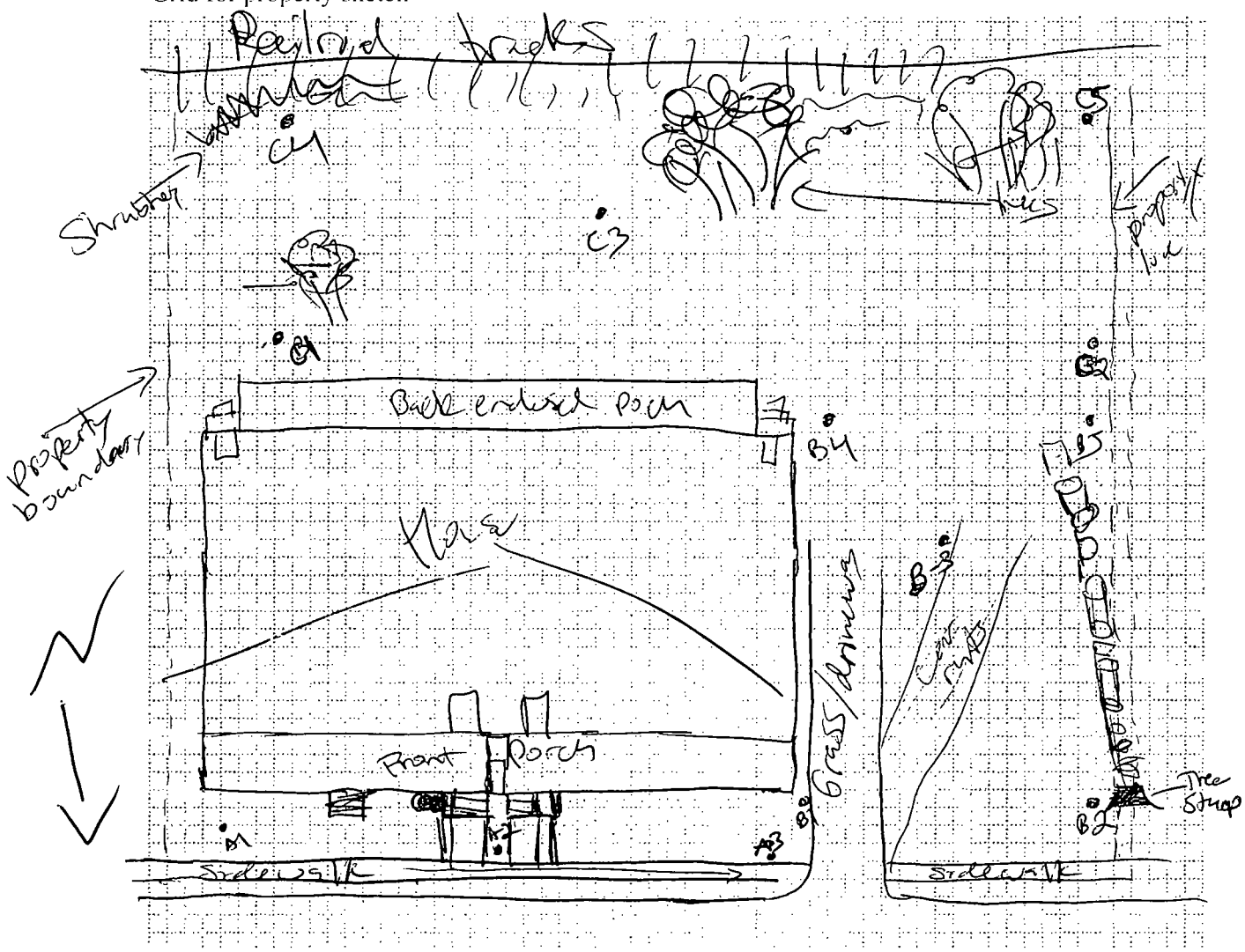
Duplex 3157 & 3159

Appeared abandoned

railroad tracks at back of property

C5 to house 59 feet

Grid for property sketch



STATION ID: CW0772A **SAMPLE ID:** CW0772A-CS

SAMPLE COLLECTION TIME: 1500

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.553228880° N *Longitude* 86.802754220° W

Media description: DK brn sdy slt drp

Aliquot #2 *Latitude:* 33.553233775° N *Longitude* 86.802793700° W

Media description: Sam soil

Aliquot #3: *Latitude:* 33.553243110° N *Longitude* 86.802833760° W

Media description: Sam soil

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

Media description:

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

Media description:

STATION ID: CW0772B **SAMPLE ID:** CW0772B-CS

SAMPLE COLLECTION TIME: 1510

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

Side yard (West)

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:* 33.553230740° N *Longitude* 86.802863620° W

Media description: DK brn sndy slt drp

Aliquot #2 *Latitude:* 33.553234060° N *Longitude* 86.802938900° W

Media description: Sam soil

Aliquot #3: *Latitude:* 33.553141070° N *Longitude* 86.802892590° W

Media description: Sam soil

Aliquot #4: *Latitude:* 33.553079080° N *Longitude* 86.802859040° W

Media description: Sam soil

Aliquot #5: *Latitude:* 33.553082100° N *Longitude* 86.802931270° W

Media description: Sam soil

ADDRESS: (b) (6) PROPERTY ID: CN0772 (07)

DATE: 02/20/13 ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on p 16

STATION ID: CN0772C SAMPLE ID: CN0772C-CS

SAMPLE COLLECTION TIME: 1520

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.55306127° N *Longitude* 86.80275571° W

Media description: OK own sody silt dump

Aliquot #2 *Latitude:* 33.55306478° N *Longitude* 86.80293131° W

Media description: Same soil

Aliquot #3: *Latitude:* 33.55299583° N *Longitude* 86.80282499° W

Media description: Same soil

Aliquot #4: *Latitude:* 33.55295811° N *Longitude* 86.80275440° W

Media description: Same soil

Aliquot #5: *Latitude:* 33.55293778° N *Longitude* 86.80293982° W

Media description: Sam soil

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: FM-0107

DATE: 02/21/2013 ARRIVAL TIME: 0856

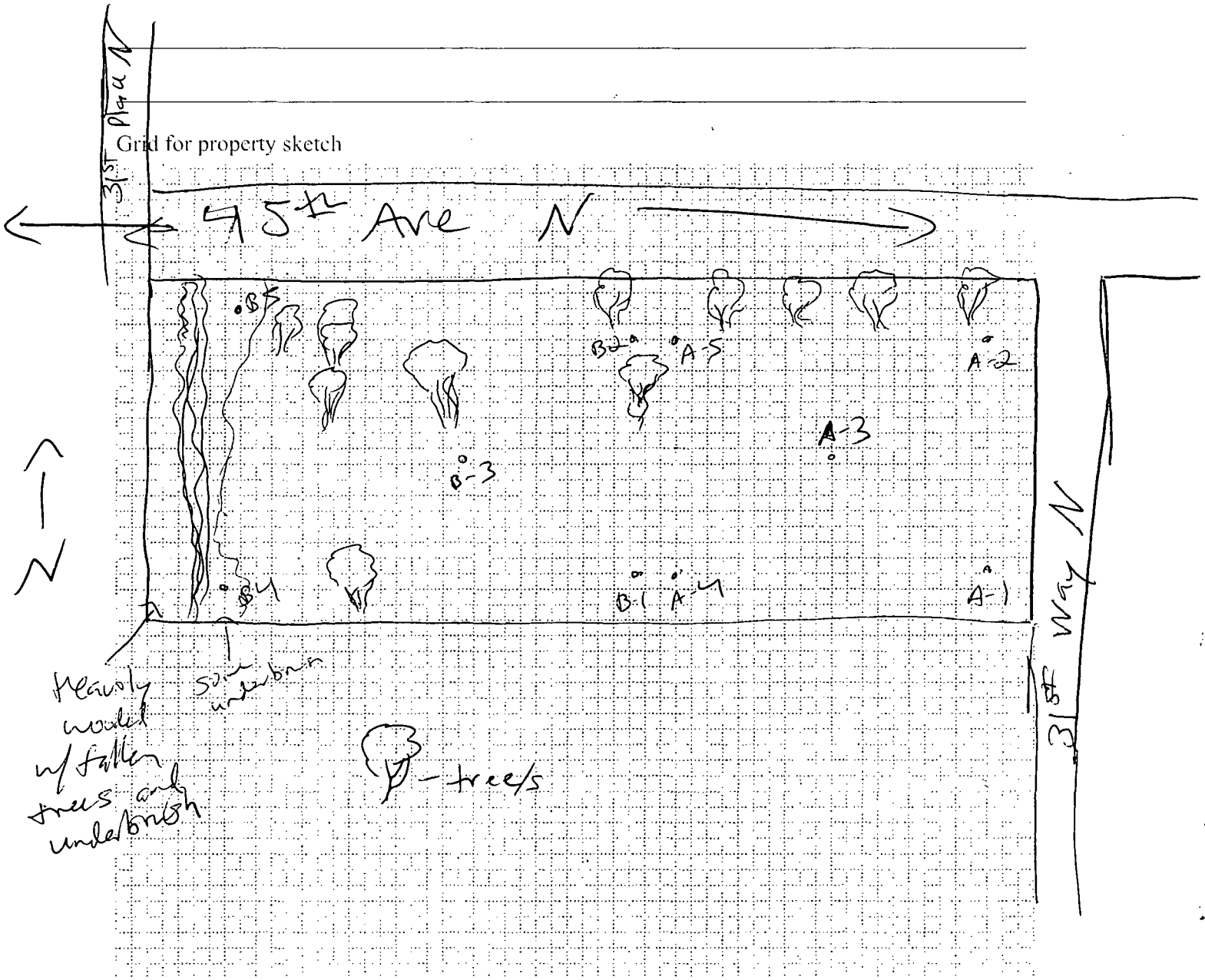
Other pertinent information (weather conditions, etc.):

44°F Sunny winds E @ 8MPH, 39% humidity

PROPERTY COMMENTS:

Vacant parcel

Grid for property sketch



STATION ID: FM-0107A SAMPLE ID: FM-0107A-CS

SAMPLE COLLECTION TIME: 0925

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

E ½ of vacant 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: FM0107A-CSD @ 0927 lcmt 2/21/13

GPS Coordinates: Trimble [X] Instrument #: 020168 Logged? (Y) or N

Aliquot #1: Latitude: 33.56999090° N Longitude 86.80411557° W

Media description: Md Brwn sndy clay m-f dry

Aliquot #2 Latitude: 33.57014968° N Longitude 86.80411191° W

Media description: Sam soil

Aliquot #3: Latitude: 33.57008695° N Longitude 86.80427195° W

Media description: Sam soil

Aliquot #4: Latitude: 33.57000433° N Longitude 86.80442542° W

Media description: Sam soil

Aliquot #5: Latitude: 33.57016984° N Longitude 86.80442462° W

Media description: Sam soil

STATION ID: FM0107B SAMPLE ID: FM0107B-CS

SAMPLE COLLECTION TIME: 0936

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

W ½ of vacant 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 #: 020168 Logged? (Y) or N

Aliquot #1: Latitude: 33.57000430° N Longitude 86.80445668° W

Media description: Md brwn sndy clay m-f dry

Aliquot #2 Latitude: 33.57017060° N Longitude 86.80445825° W

Media description: Sam soil

Aliquot #3: Latitude: 33.57007799° N Longitude 86.80456367° W

Media description: Sam e soil

Aliquot #4: Latitude: 33.56999985° N Longitude 86.80472995° W

Media description: Sam soil

Aliquot #5: Latitude: 33.57018514° N Longitude 86.80474437° W

Media description: Sam soil

ADDRESS: (b) (6) PROPERTY ID: FM 0073

DATE: 02/21/2013 ARRIVAL TIME: 0951

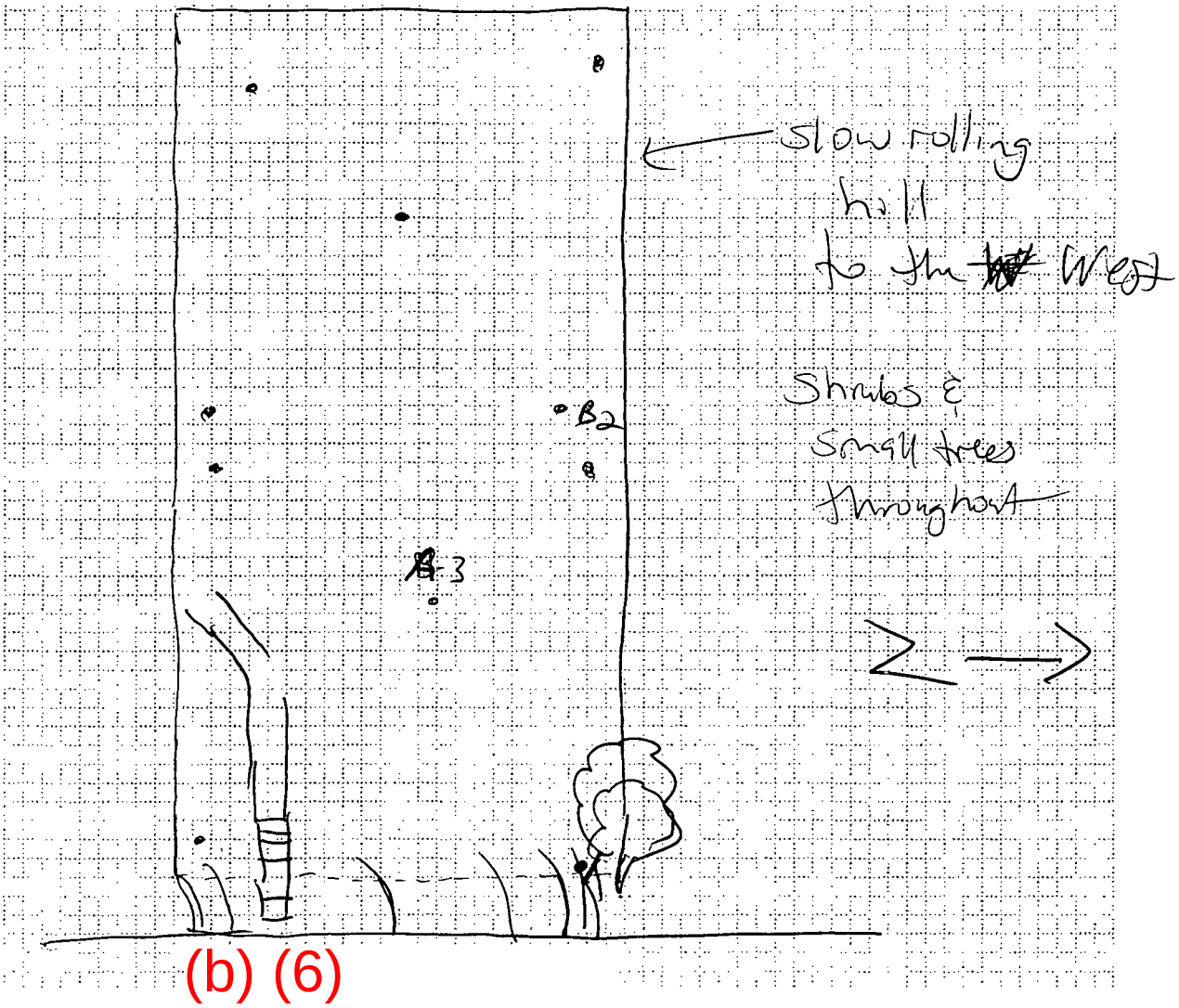
Other pertinent information (weather conditions, etc.):

52°F Sunny Winds E @ 7 MPH 24% humidity

PROPERTY COMMENTS:

vacant parcel

Grid for property sketch



STATION ID: FM 0073A SAMPLE ID: FM 0073A-CS

SAMPLE COLLECTION TIME: 1015

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

E ½ 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 #: 020168 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.565939440 N *Longitude* 86.811561410 W

Media description: DK brn sndy slty clay m-f dry

Aliquot #2 *Latitude:* 33566047470 N *Longitude* 86.81155944 W

Media description: Sam GS #1

Aliquot #3: *Latitude:* 33.56600123 N *Longitude* 86.81168175 W

Media description: orange sndy clay m-f dry

Aliquot #4: *Latitude:* 33.565957090 N *Longitude* 86.81176321 W

Media description: Sam GS #1

Aliquot #5: *Latitude:* 33.56606185 N *Longitude* 86.81175444 W

Media description: orange sndy clay m-f dry

STATION ID: FM 0073B SAMPLE ID: FM 0073B-CS

SAMPLE COLLECTION TIME: 1028

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

W ½ 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 #: 020168 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.565948310 N *Longitude* 86.81180123 W

Media description: DK brn sndy slty clay m-f dry

Aliquot #2 *Latitude:* 33.56605018 N *Longitude* 86.81182367 W

Media description: orange sndy clay m-f dry

Aliquot #3: *Latitude:* 33.565997280 N *Longitude* 86.81189439 W

Media description: DK brn sndy slty clay m-f dry

Aliquot #4: *Latitude:* 33.565969070 N *Longitude* 86.81197773 W

Media description: DK brn sndy slty clay m-f dry

Aliquot #5: *Latitude:* 33.56605993 N *Longitude* 86.81196877 W

Media description: DK brn sndy slty clay m-f dry

ADDRESS (b) (6) PROPERTY ID: HP-0044

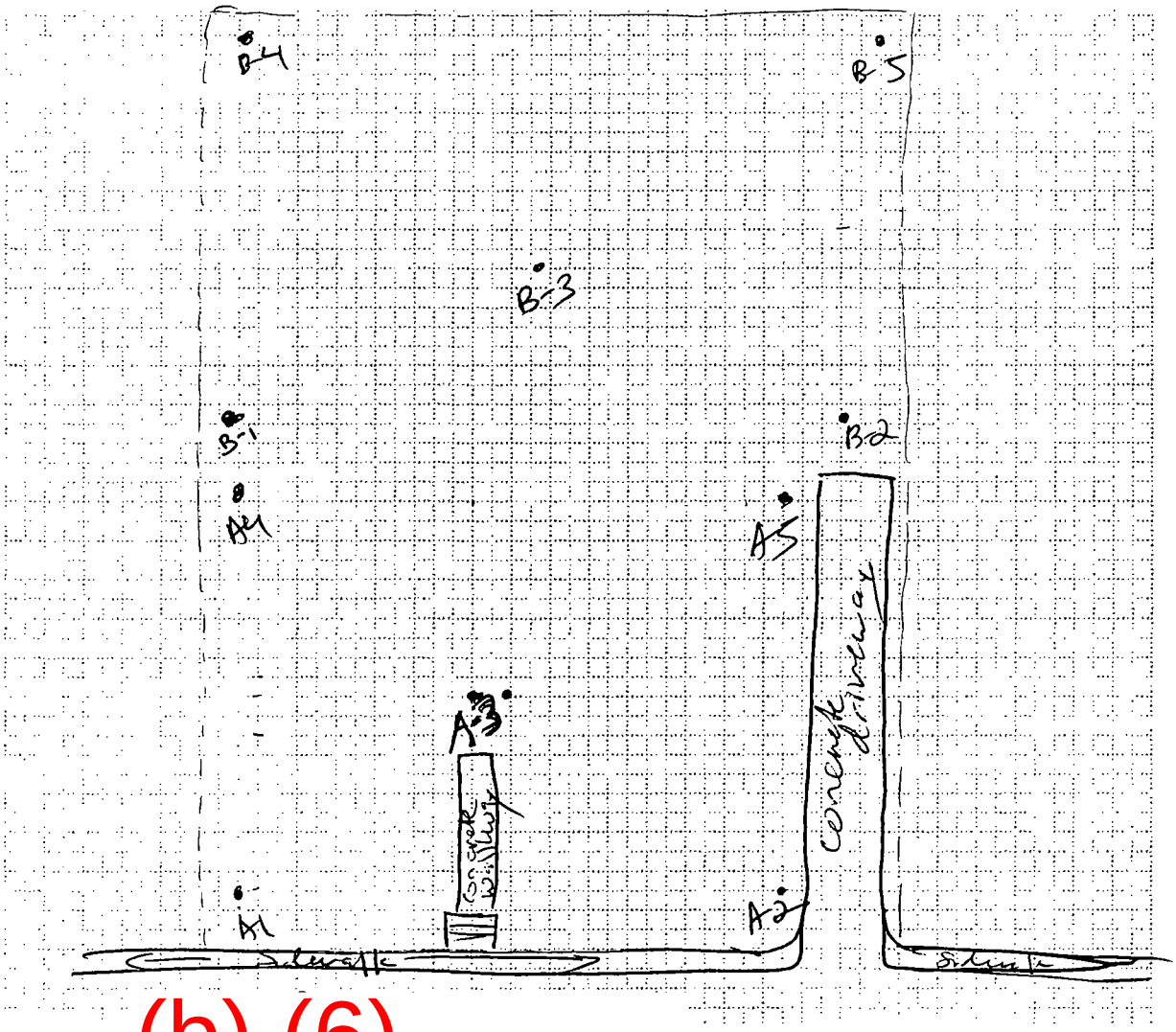
DATE: 02/21/13 ARRIVAL TIME: 1220

Other pertinent information (weather conditions, etc.):
60°F Sunny winds ESE @ 10MPH 27% humidity

PROPERTY COMMENTS:

vacant parcel

Grid for property sketch



(b) (6)

STATION ID: HP0044A SAMPLE ID: HP0044A-CS

SAMPLE COLLECTION TIME: 1240

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

S ½ of parcel (closer to 41st Ave N)

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: 33.56417057° N Longitude 86.79563451° W

Media description: DK brwn silt dry

Aliquot #2 Latitude: 33.56416605° N Longitude 86.79554699° W

Media description: Same soil

Aliquot #3: Latitude: 33.56425440° N Longitude 86.79559573° W

Media description: Same soil

Aliquot #4: Latitude: 33.56433324° N Longitude 86.79564144° W

Media description: Same soil

Aliquot #5: Latitude: 33.56413119° N Longitude W

Media description: Same soil

STATION ID: HP0044B SAMPLE ID: HP0044B-CS

SAMPLE COLLECTION TIME: 1245

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

N ½ 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 #: 020168 Logged? Y or N

Aliquot #1: Latitude: 33.56436313° N Longitude 86.79564474° W

Media description: DK brwn silt dry

Aliquot #2 Latitude: 33.56435510° N Longitude 86.79552257° W

Media description: Same soil

Aliquot #3: Latitude: 33.56443286° N Longitude 86.79558368° W

Media description: Same soil

Aliquot #4: Latitude: 33.56452616° N Longitude 86.79562309° W

Media description: Same soil

Aliquot #5: Latitude: 33.56451938° N Longitude 86.79551046° W

Media description: Same soil

wrong address for Prop ID. wrong HP #.

ADDRESS: (b) (6) PROPERTY ID: HP-0167

DATE: 02/21/2013 ARRIVAL TIME: 1307

Other pertinent information (weather conditions, etc.):

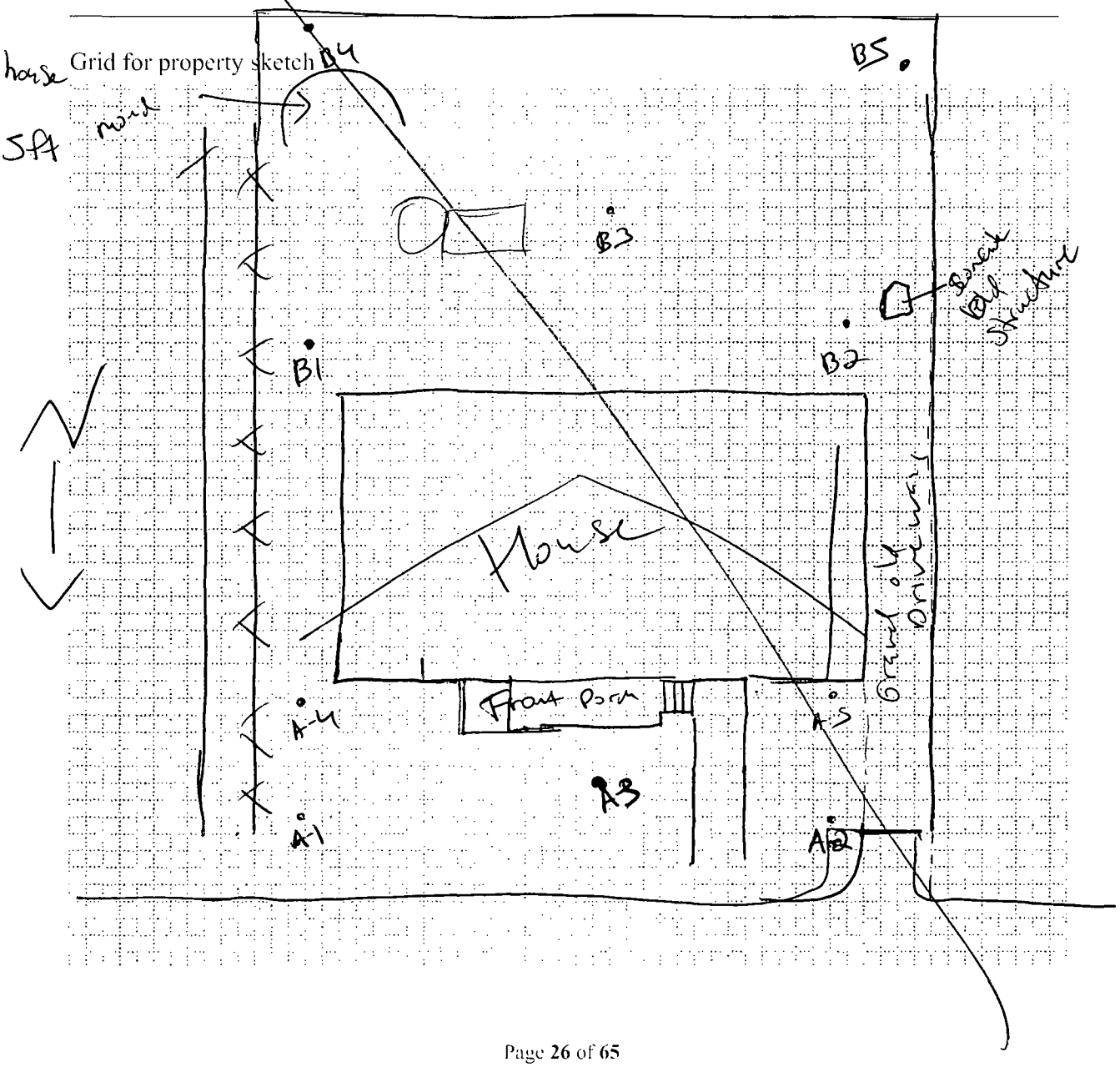
62°F Fair winds ESE @ 13mph 27% humidity

PROPERTY COMMENTS:

Abandoned house

Grid for property sketch

34 to house = 79.5ft



House already sampled under HP-169.

STATION ID: HP0167A **SAMPLE ID:** HP0167A-CS

SAMPLE COLLECTION TIME: 1325

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.565782780 N *Longitude* 86.79379617° W
Media description: DK brn sndy slt dry

Aliquot #2 *Latitude:* 33.56578892° N *Longitude* 86.79388179° W
Media description: sam soil

Aliquot #3: *Latitude:* 33.56577435 N *Longitude* 86.79383571° W
Media description: sam soil

Aliquot #4: *Latitude:* 33.56574953° N *Longitude* 86.79378633° W
Media description: sam soil

Aliquot #5: *Latitude:* 33.56573619° N *Longitude* 86.79389150° W
Media description: sam soil

STATION ID: HP0167B **SAMPLE ID:** HP0167B-CS

SAMPLE COLLECTION TIME: 1340

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 #: 020168 Logged? Y or N

Aliquot #1: *Latitude:* 33.56561752° N *Longitude* 86.79378840° W
Media description: DK brn sndy slt dry

Aliquot #2 *Latitude:* 33.56560892° N *Longitude* 86.79388841° W
Media description: San soil

Aliquot #3: *Latitude:* 33.56551346° N *Longitude* 86.79387037° W
Media description: sam soil

Aliquot #4: *Latitude:* 33.56541800° N *Longitude* 86.7938062° W
Media description: sam soil

Aliquot #5: *Latitude:* 33.56544442 N *Longitude* 86.7939011 W
Media description: sam soil

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

NO MORE SHRUBS

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