

REDACTED

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 2 of 2

Inclusive Dates: week of 1-21-2013

List of Sampling Team in logbook:

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

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Sampling Procedures and Methodology

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ADDRESS: (b) (6)

PROPERTY ID: RM-0783

DATE: 1/21/13

ARRIVAL TIME: 1400

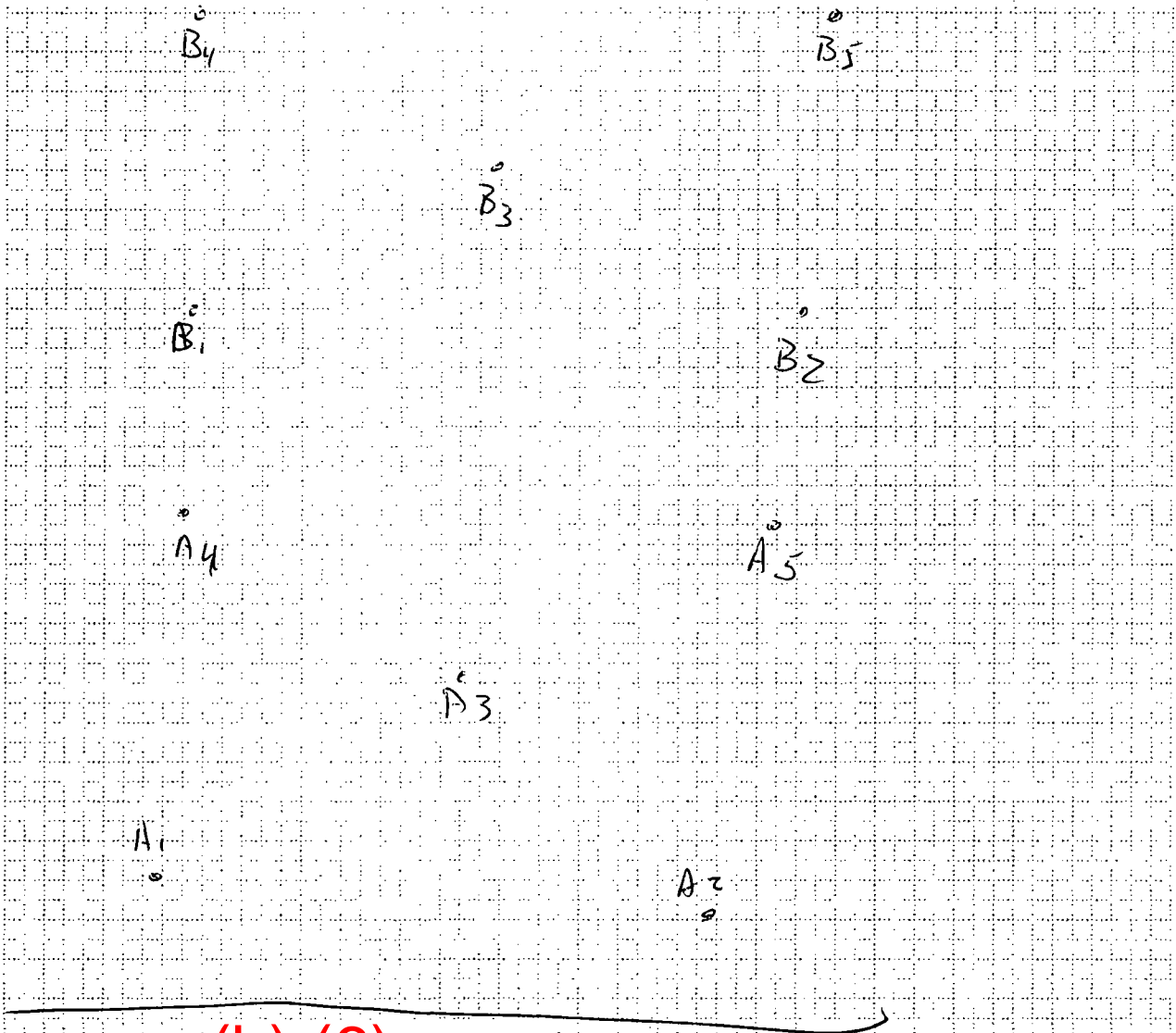
Other pertinent information (weather conditions, etc.):

45° sunny

PROPERTY COMMENTS:

empty parcel

Grid for property sketch



(b) (6)

STATION ID: Fm0183A SAMPLE ID: Fm0183A-CS

SAMPLE COLLECTION TIME: 1415

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Empty front P. 2 23

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

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

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.57023096</u> N Longitude: <u>86.80682332</u> W	
	Media description: <u>Brown silty soil</u>	
Aliquot #2:	Latitude: <u>33.57028035</u> N Longitude: <u>86.80693392</u> W	
	Media description: <u>Brown silty soil</u>	
Aliquot #3:	Latitude: <u>33.57018157</u> N Longitude: <u>86.80689774</u> W	
	Media description: <u>Brown silty soil</u>	
Aliquot #4:	Latitude: <u>33.57016528</u> N Longitude: <u>86.80692889</u> W	
	Media description: <u>Brown silty soil</u>	
Aliquot #5:	Latitude: <u>33.57016050</u> N Longitude: <u>86.80681035</u> W	
	Media description: <u>Brown silty soil</u>	

STATION ID: Fm0183B SAMPLE ID: Fm0183B-CS

SAMPLE COLLECTION TIME: 1430

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Back empty P. 2 24

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

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

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>02068</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.57011641</u> N Longitude: <u>86.80681745</u> W	
	Media description: _____	
Aliquot #2:	Latitude: <u>33.57009130</u> N Longitude: <u>86.80691616</u> W	
	Media description: _____	
Aliquot #3:	Latitude: <u>33.57004393</u> N Longitude: <u>86.80691616 80687028</u> W	
	Media description: _____	
Aliquot #4:	Latitude: <u>33.56997999</u> N Longitude: <u>86.80681171</u> W	
	Media description: _____	
Aliquot #5:	Latitude: <u>33.57000058</u> N Longitude: <u>86.80690616</u> W	
	Media description: _____	

ADDRESS: (b) (6)

PROPERTY ID: Fm0283

DATE: 1/21/13

ARRIVAL TIME: 1455

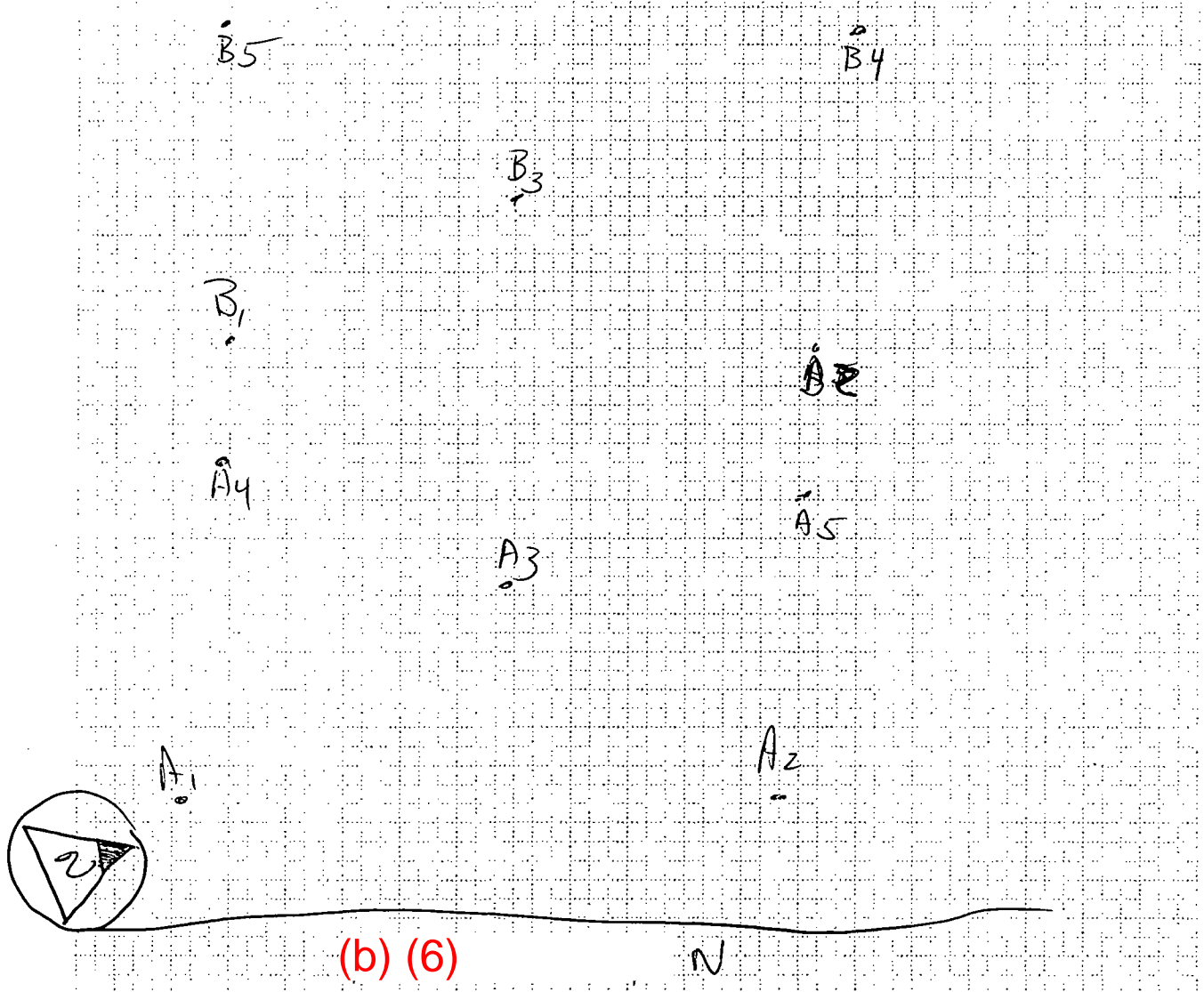
Other pertinent information (weather conditions, etc.):

55° cold & sunny

PROPERTY COMMENTS:

Empty Parcel

Grid for property sketch



STATION ID: Fm0283A

SAMPLE ID: Fm0283A-c5

SAMPLE COLLECTION TIME: 1515

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

Front of Parcel Pic 27

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 [<u>A</u> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56421305</u> N Longitude <u>86.81251888</u> W	Media description: <u>Brown silty soil w/slag & coal</u>
Aliquot #2: Latitude: <u>33.56428716</u> N Longitude <u>86.81251874</u> W	Media description: <u>Brown silty soil, w/slag & coal</u>
Aliquot #3: Latitude: <u>33.56424986</u> N Longitude <u>86.81241636</u> W	Media description: <u>Brown silty soil w/slag & coal</u>
Aliquot #4: Latitude: <u>33.56428875</u> N Longitude <u>86.81234400</u> W	Media description: <u>Brown silty soil w/slag & coal</u>
Aliquot #5: Latitude: <u>33.56421801</u> N Longitude <u>86.81233745</u> W	Media description: <u>Brown silty soil w/slag & coal</u>

STATION ID: Fm0283B

SAMPLE ID: Fm0283B-c5

SAMPLE COLLECTION TIME: 1530

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

Back of Parcel Pic 28

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 [<u>A</u> Instrument #: <u>020168</u> Logged? Y or N	
Aliquot #1: Latitude: <u>33.56422655</u> N Longitude <u>86.81224608</u> W	Media description: <u>Brown silty soil</u>
Aliquot #2: Latitude: <u>33.56429953</u> N Longitude <u>86.81225500</u> W	Media description: <u>Brown silty soil</u>
Aliquot #3: Latitude: <u>33.56426019</u> N Longitude <u>86.81218279</u> W	Media description: <u>Brown silty soil</u>
Aliquot #4: Latitude: <u>33.56422037</u> N Longitude <u>86.81211303</u> W	Media description: <u>Brown silty soil</u>
Aliquot #5: Latitude: <u>33.56427223</u> N Longitude <u>86.81210454</u> W	Media description: <u>Brown silty soil</u>

(b) (6)

ADDRESS:

CV0885

PROPERTY ID:

DATE: 1/23/13

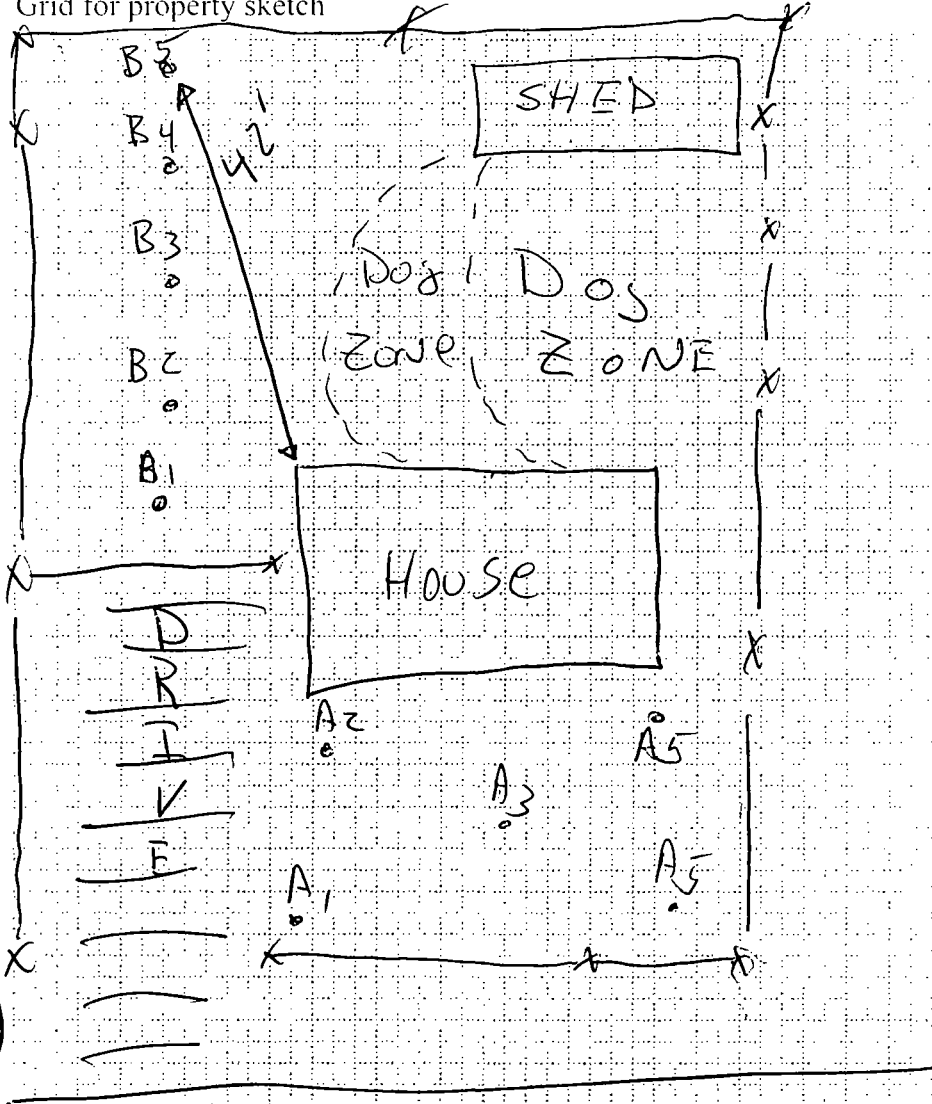
ARRIVAL TIME: 0900

Other pertinent information (weather conditions, etc.):

35° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0885A SAMPLE ID: CV0885A-CS

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: CV0885A-CSD

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.55685557</u> N Longitude <u>86.79571458</u>	W
	Media description: <u>Brown silty soil</u>	
Aliquot #2:	Latitude: <u>33.55689509</u> N Longitude <u>86.795689509</u>	W
	Media description: <u>Brown silty soil</u>	
Aliquot #3:	Latitude: <u>33.55687732</u> N Longitude <u>86.79567785</u>	W
	Media description: <u>Brown silty soil</u>	
Aliquot #4:	Latitude: <u>33.55684975</u> N Longitude <u>86.79562176</u>	W
	Media description: <u>Brown silty soil</u>	
Aliquot #5:	Latitude: <u>33.55689999</u> N Longitude <u>86.79561892</u>	W
	Media description: <u>Brown silty soil with coal</u>	

STATION ID: CV0885B SAMPLE ID: CV0885B-CS

SAMPLE COLLECTION TIME: 0930

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1:	Latitude: <u>33.55696327</u> N Longitude <u>86.79573885</u>	W
	Media description: <u>Brown silty soil with coal & slag</u>	
Aliquot #2:	Latitude: <u>33.55700325</u> N Longitude <u>86.7954426</u>	W
	Media description: <u>Brown silty soil with coal & slag</u>	
Aliquot #3:	Latitude: <u>33.55705438</u> N Longitude <u>86.79573843</u>	W
	Media description: <u>Brown silty soil with coal & slag</u>	
Aliquot #4:	Latitude: <u>33.55710160</u> N Longitude <u>86.79573599</u>	W
	Media description: <u>Brown silty soil with coal & slag</u>	
Aliquot #5:	Latitude: <u>33.55716381</u> N Longitude <u>86.79573387</u>	W
	Media description: <u>Brown silty soil with coal & slag</u>	

ADDRESS: (b) (6)

PROPERTY ID: CV0836

DATE: 1/23/13

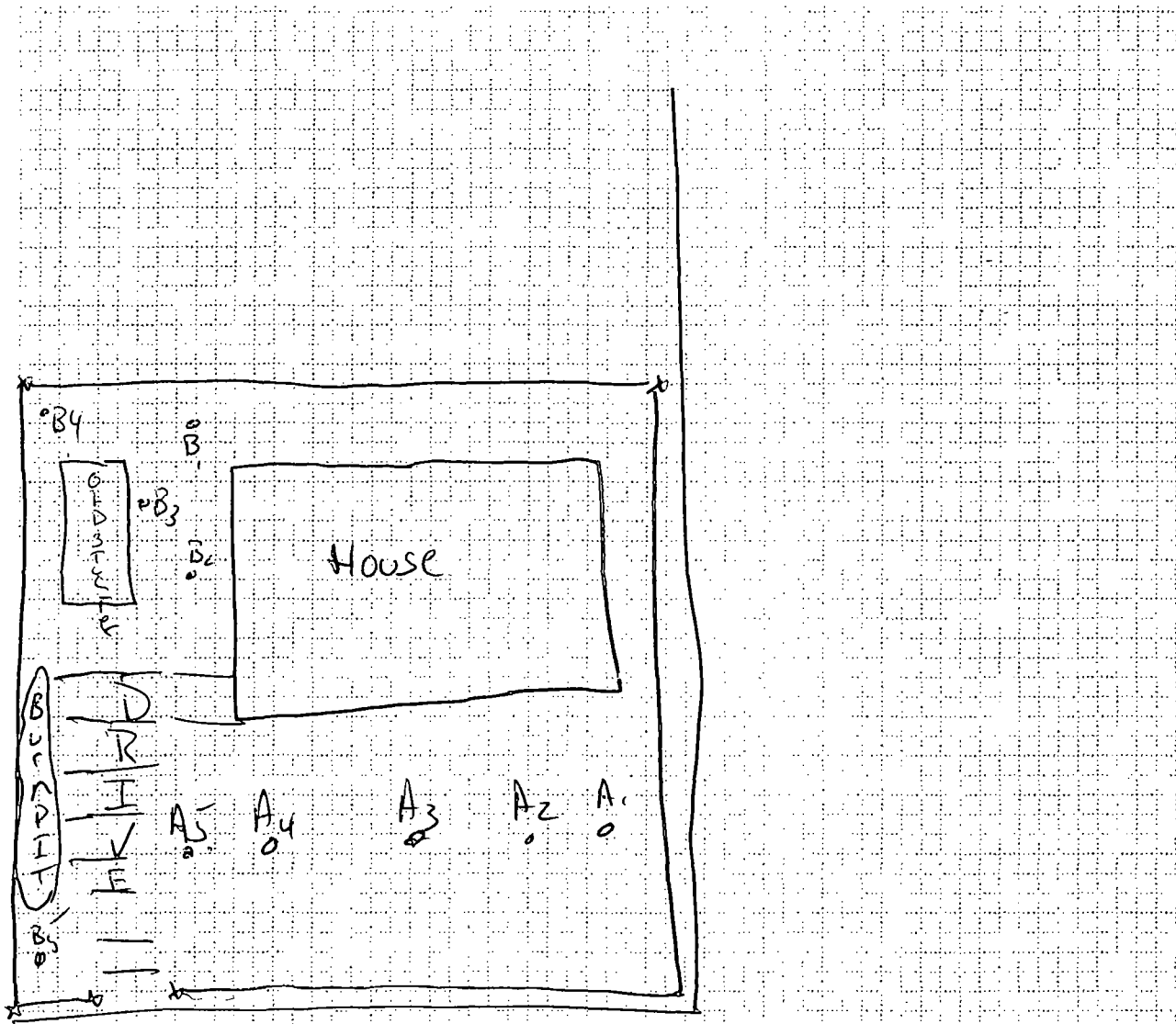
ARRIVAL TIME: 1000

Other pertinent information (weather conditions, etc.):

35° overcast

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0836A SAMPLE ID: CV0836A-CS

SAMPLE COLLECTION TIME: 1020

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

Side Yard. East

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

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

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>CV0836A 33.5535319</u> N Longitude <u>86.79633367</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #2 Latitude: <u>33.55348222</u> N Longitude <u>86.79633922</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #3: Latitude: <u>33.55343276</u> N Longitude <u>86.79633220</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #4: Latitude: <u>33.55336574</u> N Longitude <u>86.7963262</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #5: Latitude: <u>33.55331355</u> N Longitude <u>86.79632968</u> W
Media description: <u>Black s.lty Soil</u>

STATION ID: CV0836B SAMPLE ID: CV0836B-CS

SAMPLE COLLECTION TIME: 1035

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.55336472</u> N Longitude <u>86.79645911</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #2 Latitude: <u>33.55336011</u> N Longitude <u>86.79640533</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #3: Latitude: <u>33.55330335</u> N Longitude <u>86.79642401</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #4: Latitude: <u>33.55322777</u> N Longitude <u>86.79646940</u> W
Media description: <u>Black s.lty Soil</u>
Aliquot #5: Latitude: <u>33.55321907</u> N Longitude <u>86.79632595</u> W
Media description: <u>Black s.lty Soil</u>

(b) (6)

CV0837

ADDRESS:

PROPERTY ID:

DATE: 1/23/13

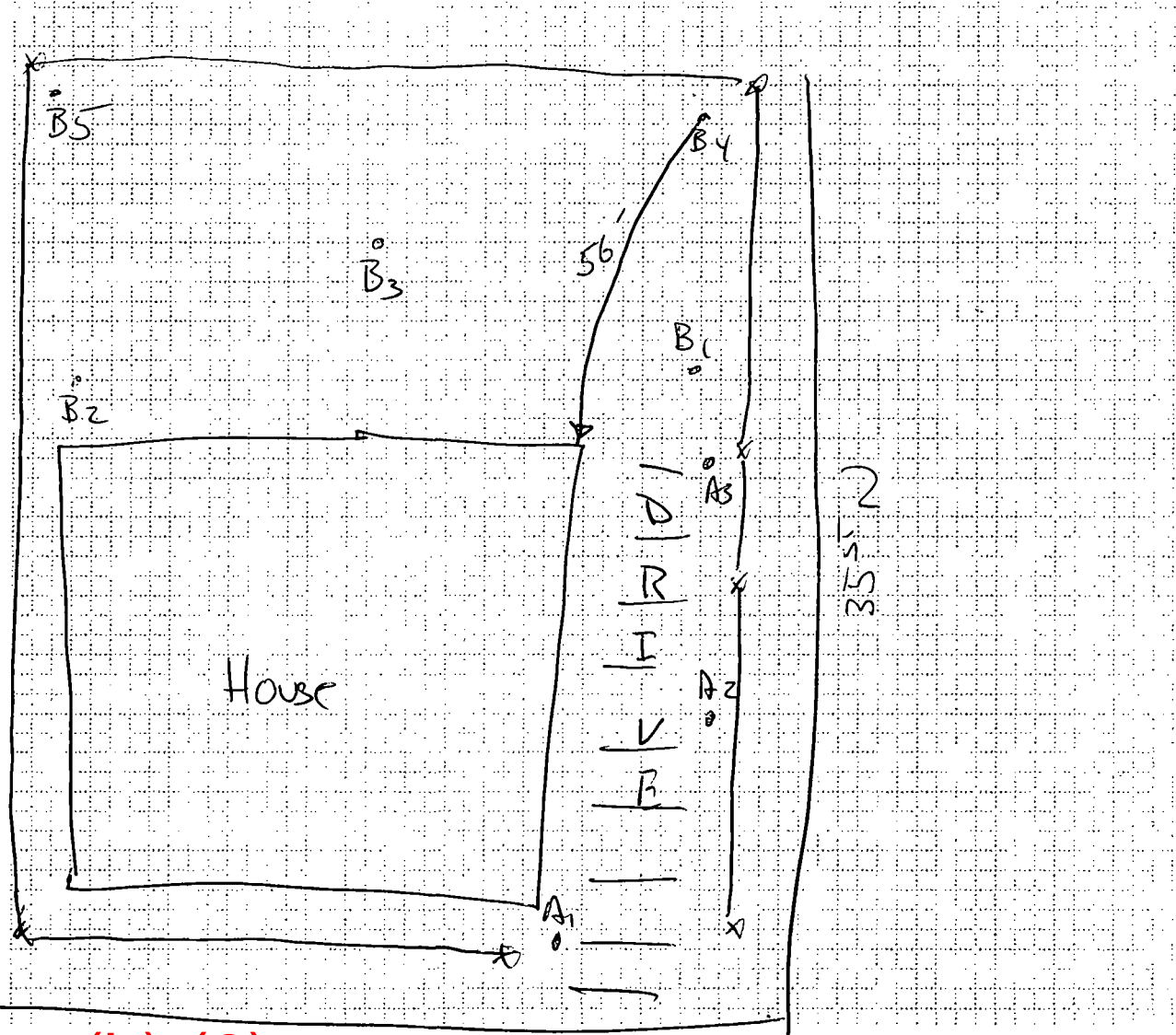
ARRIVAL TIME: 1045

Other pertinent information (weather conditions, etc.):

35° Overcast

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0837A SAMPLE ID: CV0837A-CS

SAMPLE COLLECTION TIME: 1100

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

SIDE yard

Pic 11

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55366620</u>	N Longitude <u>86.79634449</u>	W
Media description: <u>Black silty soil</u>		
Aliquot #2: Latitude: <u>33.55372432</u>	N Longitude <u>86.79630825</u>	W
Media description: <u>Black silty soil</u>		
Aliquot #3: Latitude: <u>33.55379086</u>	N Longitude <u>86.79630786</u>	W
Media description: <u>Black silty soil</u>		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: _____		

STATION ID: CV0837B SAMPLE ID: CV0837B-CS

SAMPLE COLLECTION TIME: 1115

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

~~Front~~ Back yard.

Pic 12

Collection: Composite or Grab

MS/MSD? Y or N

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33.55384364</u>	N Longitude <u>86.79630816</u>	W
Media description: <u>Brown silty soil</u>		
Aliquot #2: Latitude: <u>33.55385760</u>	N Longitude <u>86.79643864</u>	W
Media description: <u>Brown silty soil</u>		
Aliquot #3: Latitude: <u>33.55390491</u>	N Longitude <u>86.79637569</u>	W
Media description: <u>Brown silty soil</u>		
Aliquot #4: Latitude: <u>33.55396974</u>	N Longitude <u>86.79630412</u>	W
Media description: <u>Brown silty soil</u>		
Aliquot #5: Latitude: <u>33.55397184</u>	N Longitude <u>86.79643114</u>	W
Media description: <u>Brown silty soil</u>		

ADDRESS: (b) (6)

PROPERTY ID: Fm-0331

DATE: 1/24/13

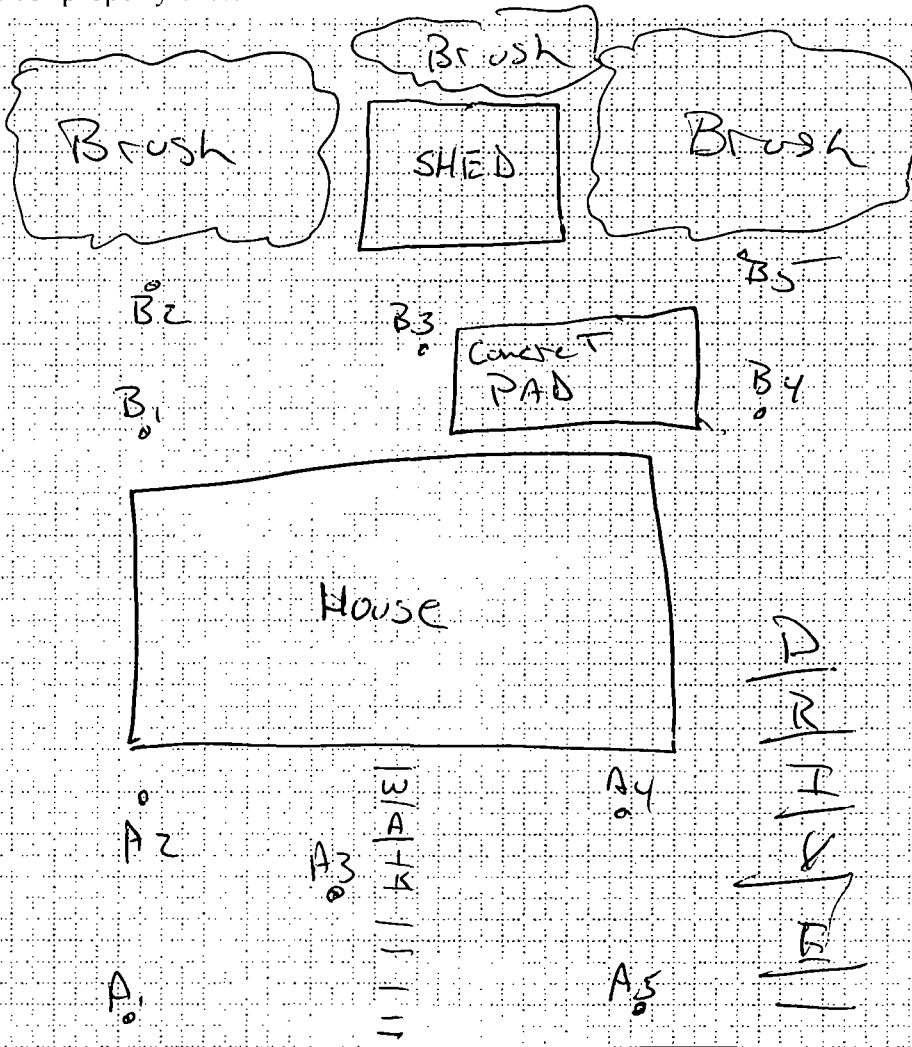
ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

49° Sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: Fm 0331 A

SAMPLE ID: Fm 0331 A-CS

SAMPLE COLLECTION TIME: 0900

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56605787</u> N Longitude <u>86.81276707</u> W Media description: <u>Brown silty soil</u>
Aliquot #2: Latitude: <u>33.56604923</u> N Longitude <u>86.81270867</u> W Media description: <u>Brown silty soil</u>
Aliquot #3: Latitude: <u>33.56601939</u> N Longitude <u>86.81274637</u> W Media description: <u>Brown silty soil</u>
Aliquot #4: Latitude: <u>33.56598614</u> N Longitude <u>86.81270229</u> W Media description: <u>Brown silty soil</u>
Aliquot #5: Latitude: <u>33.56598369</u> N Longitude <u>86.81276772</u> W Media description: <u>Brown silty soil</u>

STATION ID: Fm 0331 B

SAMPLE ID: Fm 0331 B-CS

SAMPLE COLLECTION TIME: 0915

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u> Logged? Y or N
Aliquot #1: Latitude: <u>33.56597864</u> N Longitude <u>86.81293146</u> W Media description: <u>Brown silty soil</u>
Aliquot #2: Latitude: <u>33.56597611</u> N Longitude <u>86.81302727</u> W Media description: <u>Brown silty soil</u>
Aliquot #3: Latitude: <u>33.56608878</u> N Longitude <u>86.81298438</u> W Media description: <u>Brown silty soil</u>
Aliquot #4: Latitude: <u>33.56605867</u> N Longitude <u>86.81301607</u> W Media description: <u>Brown silty soil</u>
Aliquot #5: Latitude: <u>33.56608363</u> N Longitude <u>86.81297620</u> W Media description: <u>Brown silty soil</u>

ADDRESS: (b) (6)

CV0875
PROPERTY ID:

DATE: 1/24/13

ARRIVAL TIME: 0940

Other pertinent information (weather conditions, etc.):

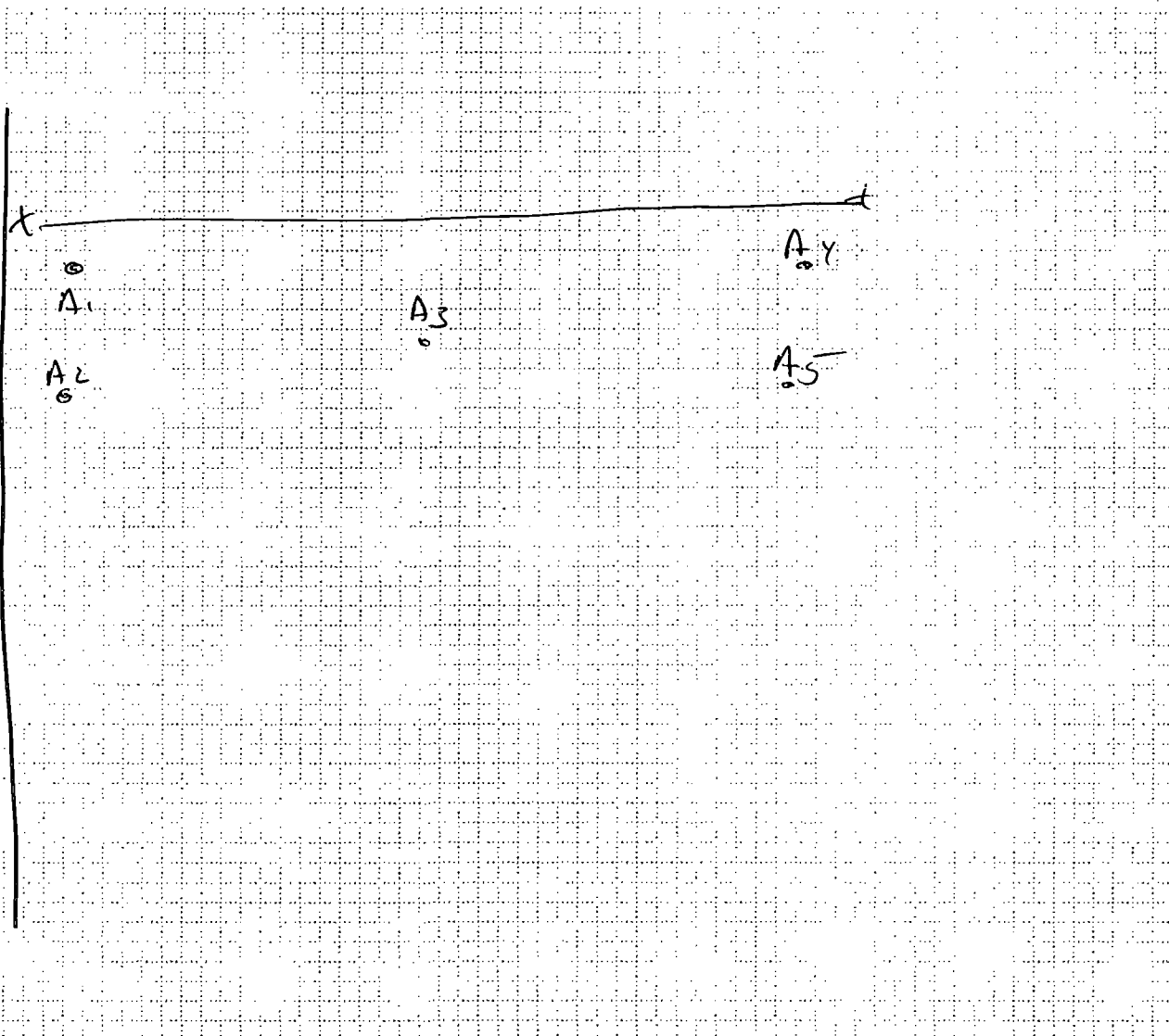
49° Sunny

PROPERTY COMMENTS:

Empty lot

Grid for property sketch

3
3
R
D
S
T
N



STATION ID: CV0875A SAMPLE ID: CV0875A-CS

SAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Empty 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: CV0875A-CSD

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: <u>33.55324111</u> N Longitude <u>86.80048683</u> W	
Media description: <u>Dark Brown silty soil</u>	
Aliquot #2: Latitude: <u>33.55326646</u> N Longitude <u>86.80048982</u> W	
Media description: <u>Dark Brown silty soil</u>	
Aliquot #3: Latitude: <u>33.55324485</u> N Longitude <u>86.80034901</u> W	
Media description: <u>Black silty soil with coal</u>	
Aliquot #4: Latitude: <u>33.55324023</u> N Longitude <u>86.80024706</u> W	
Media description: <u>Dark Brown silty soil</u>	
Aliquot #5: Latitude: <u>33.55327770</u> N Longitude <u>86.80024314</u> W	
Media description: <u>Dark Brown silty soil</u>	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

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

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

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

GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____ N Longitude _____ W	
Media description: _____	
Aliquot #2: Latitude: _____ N Longitude _____ W	
Media description: _____	
Aliquot #3: Latitude: _____ N Longitude _____ W	
Media description: _____	
Aliquot #4: Latitude: _____ N Longitude _____ W	
Media description: _____	
Aliquot #5: Latitude: _____ N Longitude _____ W	
Media description: _____	

ADDRESS: (b) (6)

CV0856
PROPERTY ID: _____

DATE: 1/24/13

ARRIVAL TIME: 1020

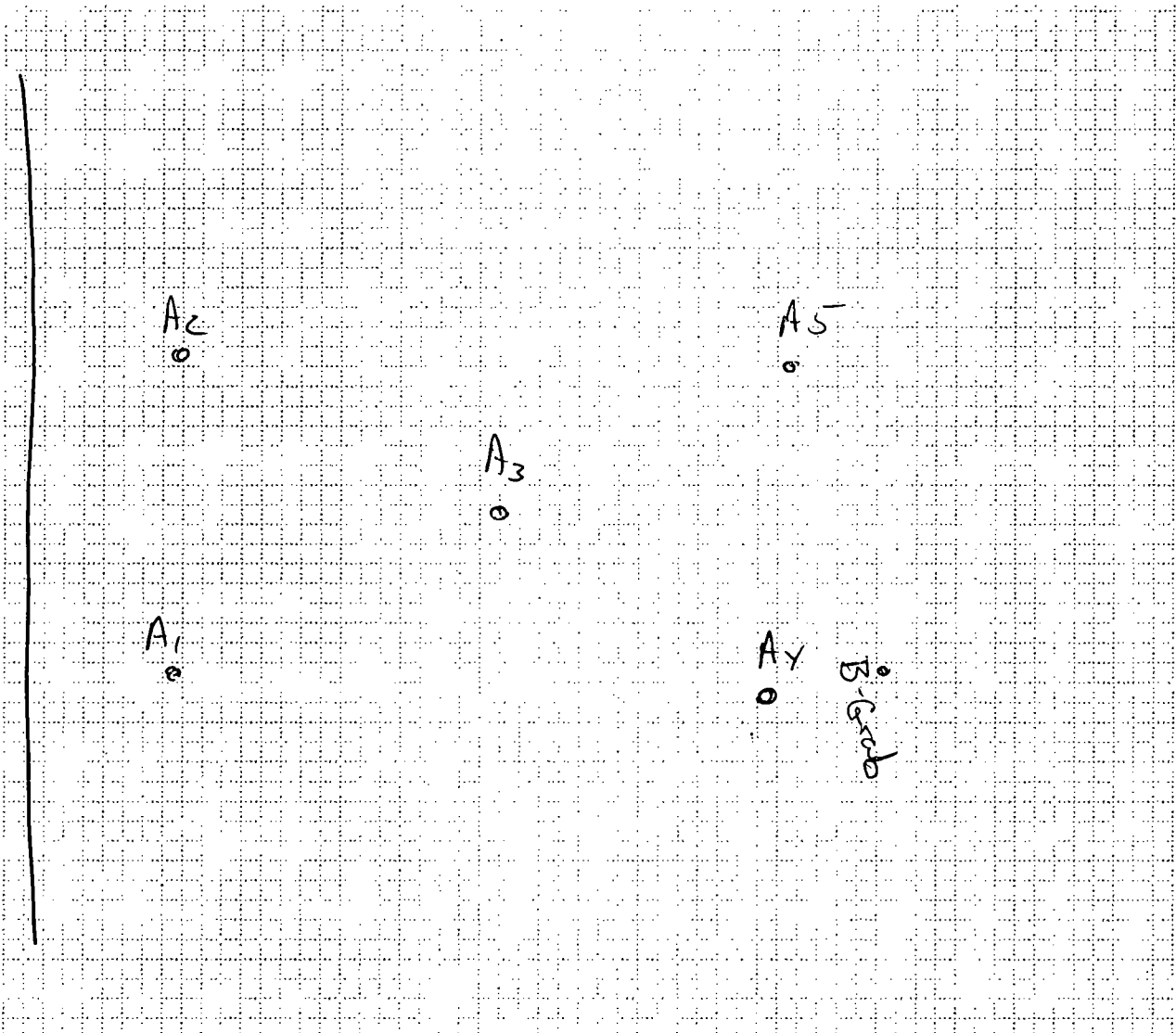
Other pertinent information (weather conditions, etc.):

49° Sunny

PROPERTY COMMENTS:

Empty lot

Grid for property sketch



STATION ID: CV0856A SAMPLE ID: CV0856A-C5

SAMPLE COLLECTION TIME: 1030

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

Empty 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 <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33,55329241</u>	N Longitude <u>86.79994931</u>	W
Media description: <u>Dark Brown clay</u>		
Aliquot #2 Latitude: <u>33,55323921</u>	N Longitude <u>86,79995509</u>	W
Media description: <u>Dark Brown clay</u>		
Aliquot #3: Latitude: <u>33,55326700</u>	N Longitude <u>86.80007110</u>	W
Media description: <u>Dark Brown clay</u>		
Aliquot #4: Latitude: <u>33,55325285</u>	N Longitude <u>86,80015698</u>	W
Media description: <u>Dark Brown clay</u>		
Aliquot #5: Latitude: <u>33,55328928</u>	N Longitude <u>86.80015067</u>	W
Media description: <u>Dark Brown clay</u>		

STATION ID: CV0856B SAMPLE ID: CV0856B-G5

SAMPLE COLLECTION TIME: 1045

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

Grab sample back right corner

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

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

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>020168</u>	Logged? Y or N
Aliquot #1: Latitude: <u>33,55330791</u>	N Longitude <u>86.80016721</u>	W
Media description: <u>Dark Brown Clay</u>		
Aliquot #2 Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: _____		

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

CU0786
~~E40825~~
PROPERTY ID: _____

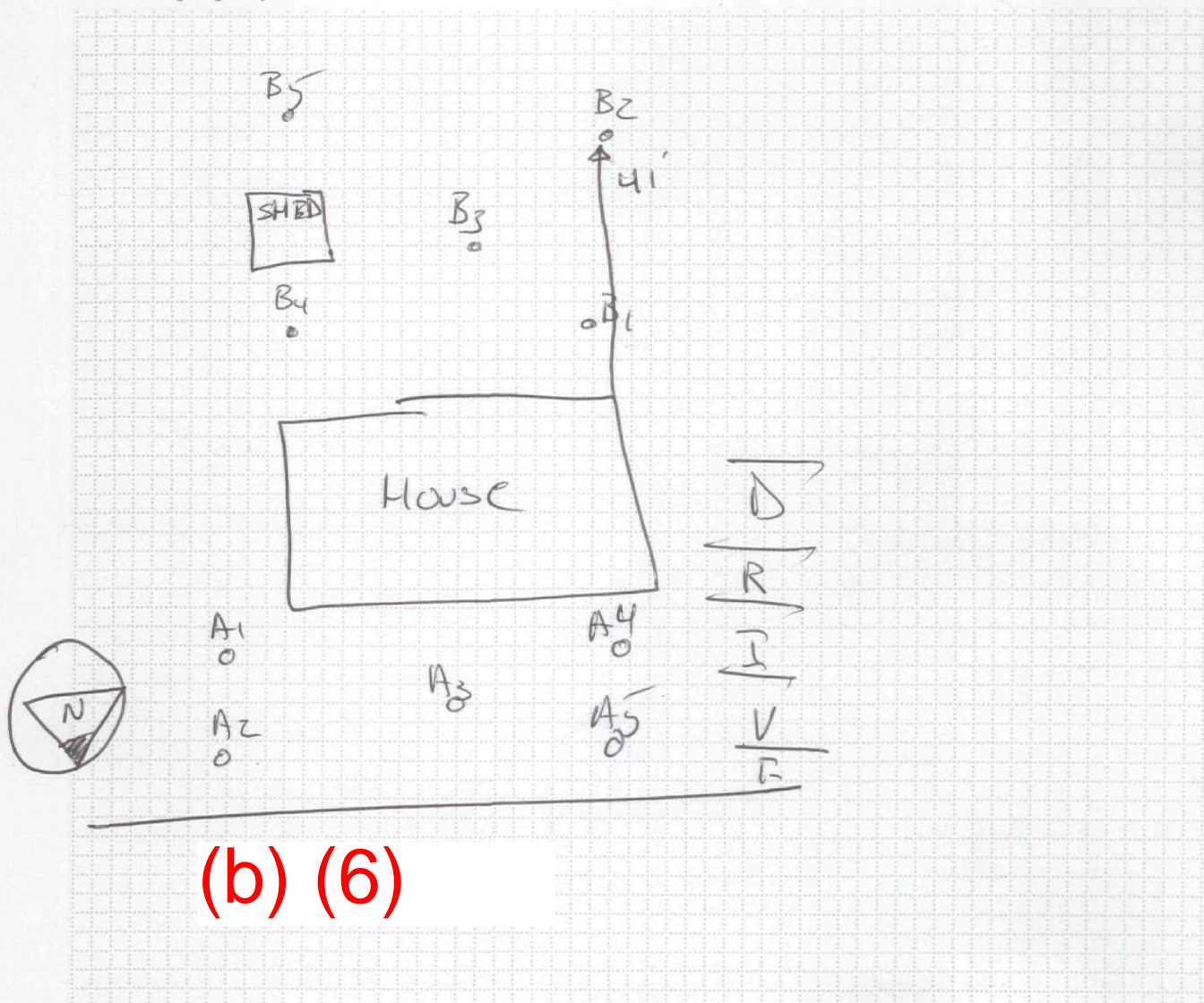
DATE: 1/24/13 ARRIVAL TIME: 1100

Other pertinent information (weather conditions, etc.):

50° Sunny

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0786A SAMPLE ID: CV0786A-CS

SAMPLE COLLECTION TIME: 1115

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55319719</u>	N Longitude: <u>86.80159067</u>	W	
Media description: <u>Brown with coal fragment</u>			
Aliquot #2: Latitude: <u>33.55316745</u>	N Longitude: <u>86.80159772</u>	W	
Media description: <u>Brown with coal fragment</u>			
Aliquot #3: Latitude: <u>33.55318840</u>	N Longitude: <u>86.80164924</u>	W	
Media description: <u>Brown with coal fragment</u>			
Aliquot #4: Latitude: <u>33.55317250</u>	N Longitude: <u>86.80168436</u>	W	
Media description: <u>Brown with coal fragment</u>			
Aliquot #5: Latitude: <u>33.55320527</u>	N Longitude: <u>86.80168555</u>	W	
Media description: <u>Brown with coal fragment</u>			

STATION ID: CV0786B SAMPLE ID: CV0786B-CS

SAMPLE COLLECTION TIME: 1130

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 [<input checked="" type="checkbox"/>] Instrument #: <u>020168</u>		Logged? Y or N	
Aliquot #1: Latitude: <u>33.55300477</u>	N Longitude: <u>86.80173702</u>	W	
Media description: <u>Brown silty soil</u>			
Aliquot #2: Latitude: <u>33.55291334</u>	N Longitude: <u>86.80173041</u>	W	
Media description: <u>Brown silty soil</u>			
Aliquot #3: Latitude: <u>33.55297733</u>	N Longitude: <u>86.80167421</u>	W	
Media description: <u>Brown silty soil</u>			
Aliquot #4: Latitude: <u>33.55301682</u>	N Longitude: <u>86.80160968</u>	W	
Media description: <u>Brown silty soil</u>			
Aliquot #5: Latitude: <u>33.55292057</u>	N Longitude: <u>86.80160090</u>	W	
Media description: <u>Brown silty soil</u>			

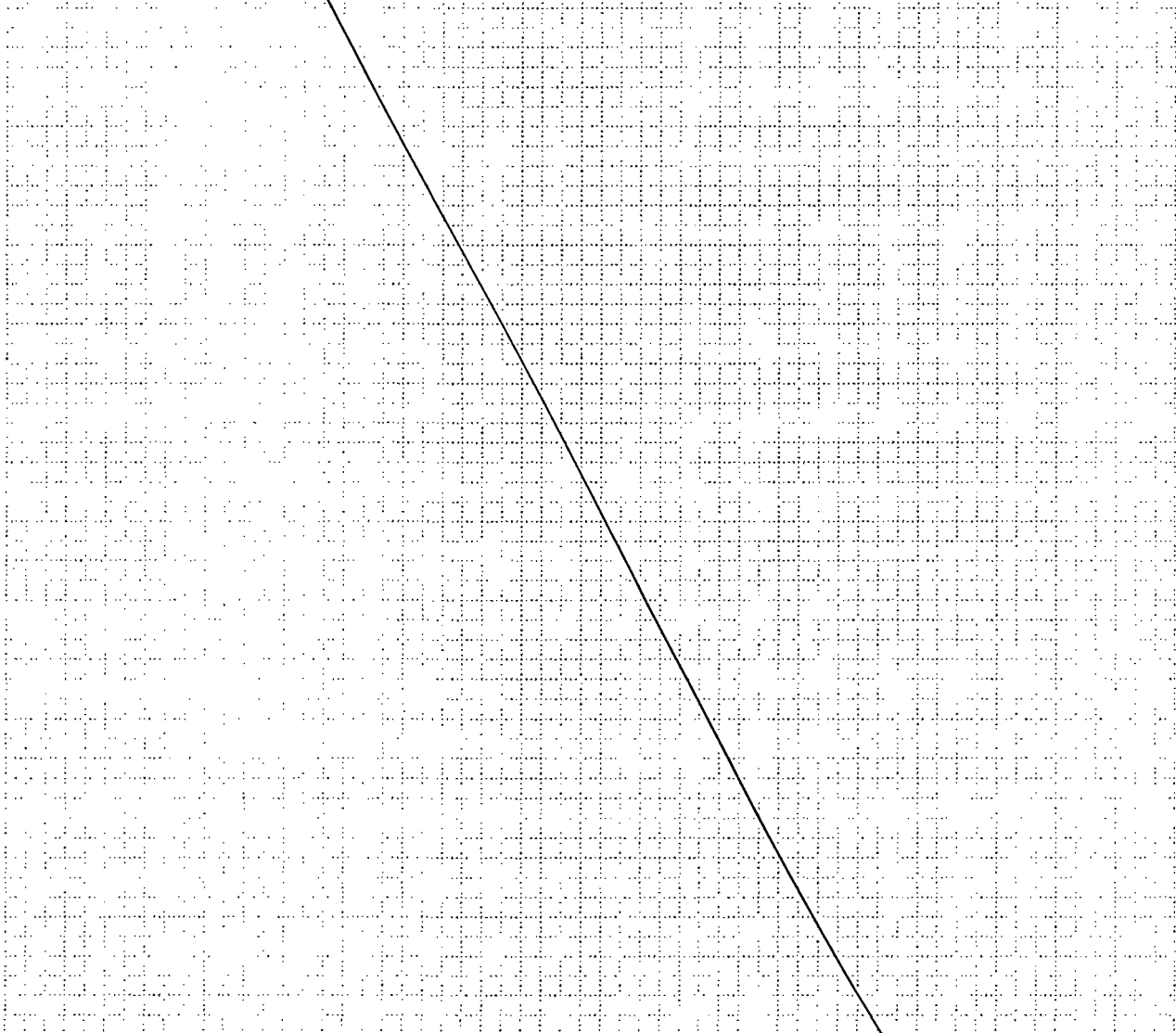
ADDRESS: _____ PROPERTY ID: _____

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.