LB 0001

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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 ____ **of** ____

Inclusive Dates: 11/26/12 - 11/30/12

List of Sampling Team in logbook:

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

General Soil Descriptions

Color	Abbv
Black	blk
Brown	bwn
Light Brown	lt/bwn
Dark Brown	dk/bwn
Gray	gry
Light Gray	lt/gry
Olive Gray	olv/gry
Greenish Gray	grn/gry
Dark Gray	dk/gry
Tan	tn
Light Tan	lt/tn
Orange	Org
Red	Rd

Soils	Abbv
Clay	CL
Sandy Clay	sndy CL
Silty Clay	slty CL
Sand	Snd
Silty Sand	slty Snd
Silt	slt
Grass	grs
Organic	Org

Sizes	Abbv
Coarse	C
Coarse to medium	c-m
Coarse to fine	c-f
Medium to fine	m-f
Fine	f

Texture	Abbv
Hard	hrd
Dry	Dry
brittle	brt
Stiff	stf
Very Stiff	vry stf
soft	sft
Very Soft	vry sft
Damp	dmp
Wet	wt
Wet	wt

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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: HP-0192

DATE: 11-26-12

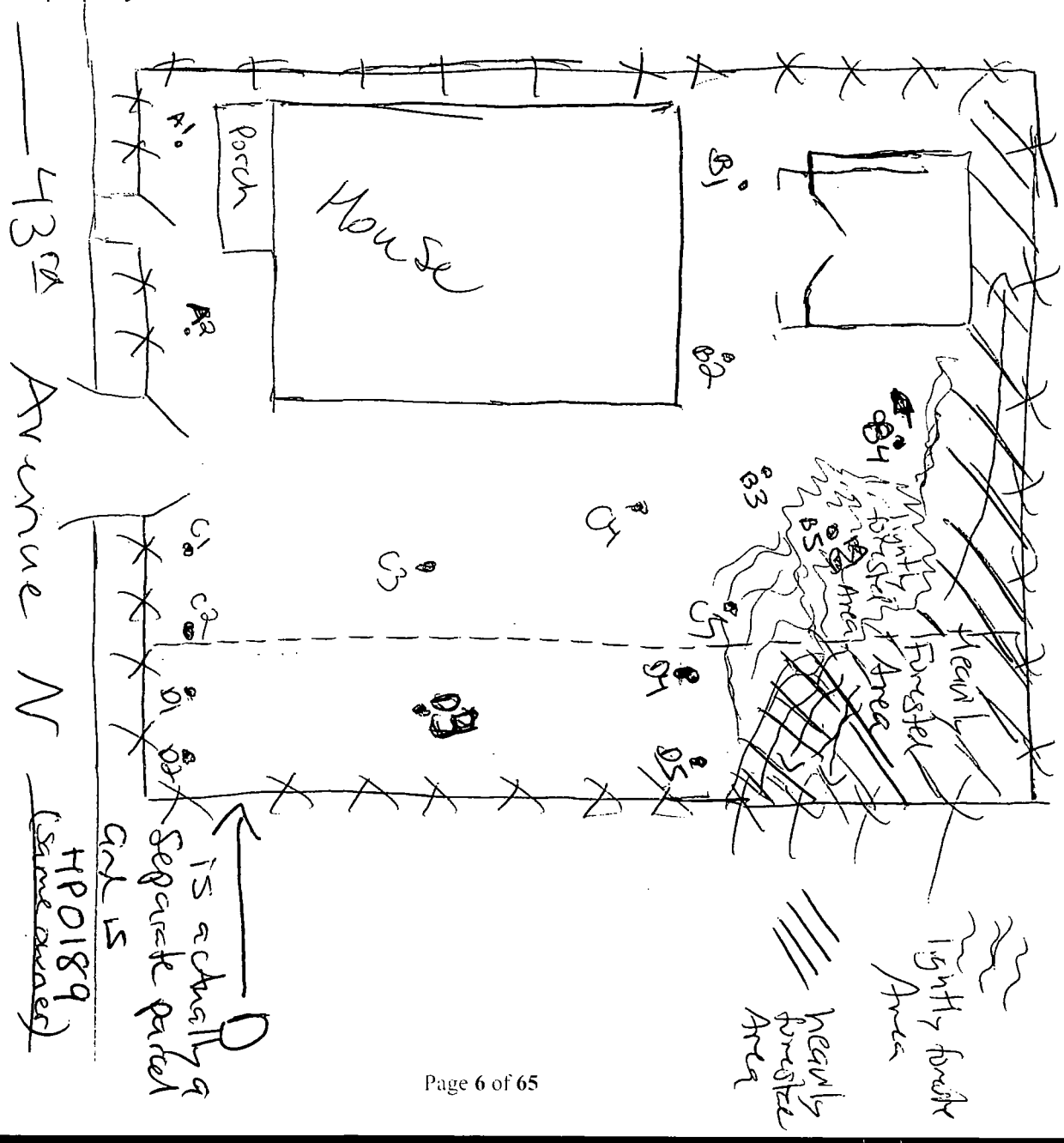
ARRIVAL TIME: 1320

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Station ID originally labeled HP0192D, should actually be HP0189 - separate adjacent parcel (same owner)

Grid for property sketch



STATION ID: MP0192A SAMPLE ID: MP0192A-CS

SAMPLE COLLECTION TIME: 1330

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.565 68177120° N *Longitude* 86.791635282 20° W

Media description: MP0192A1 Burn Silty mostly m-f

Aliquot #2 *Latitude:* 33.56567697380° N *Longitude* 86.79168784060° W

Media description: MP0192A2 Burn Silty m-f mostly

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: MP0192B SAMPLE ID: MP0192B-CS

SAMPLE COLLECTION TIME: 1345

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56518976750° N *Longitude* 86.79164683260° W

Media description: MP0192B1 Dk Brn Silty Sand mixed w/ fill m-f dmp

Aliquot #2 *Latitude:* 33.56548629330° N *Longitude* 86.79169739650° W

Media description: MP0192B2 Same Soil

Aliquot #3: *Latitude:* 33.56548[illegible]7700° N *Longitude* 86.79172823830° W

Media description: MP0192B3 Same Soil

Aliquot #4: *Latitude:* 33.56541590030 N *Longitude* 86.79172103270° W

Media description: MP0192B4 Same Soil

Aliquot #5: *Latitude:* 33.56544696440° N *Longitude* 86.79179049620° W

Media description: MP0192B5 Same Soil

ADDRESS: (b) (6) PROPERTY ID: HP-Ø192

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

Sketch of page 6

STATION ID: HP0192C SAMPLE ID: HP0192C - CS

SAMPLE COLLECTION TIME: 1405

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

Western side yard (East 1/2)

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56568564380° N *Longitude* 86.79176052670° W
Media description: HP0192C1 orange brn slty sand mixed w/fill @ drip

Aliquot #2 *Latitude:* 33.56569251070° N *Longitude* 86.79185255670° W
Media description: HP0192C2 Same soil

Aliquot #3: *Latitude:* 33.56560730240° N *Longitude* 86.79182245600° W
Media description: HP0192C3 Same soil

Aliquot #4: *Latitude:* 33.56554799120° N *Longitude* 86.79177122940° W
Media description: HP0192C4 Same soil

Aliquot #5: *Latitude:* 33.56548417380° N *Longitude* 86.79184350310° W
Media description: HP0192C5 Same soil

STATION ID: HP0192D SAMPLE ID: HP0192D-CS

SAMPLE COLLECTION TIME: 1430 → D should actually be HP0189 separate parcel (same owner)

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

Western side yard (West 1/2)

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56569264270° N *Longitude* 86.79190745800° W
Media description: HP0192D1 DK brn slty sand mixed w/fill @ drip

Aliquot #2 *Latitude:* 33.56569869940° N *Longitude* 86.79198176370° W
Media description: HP0192D2 Same soil

Aliquot #3: *Latitude:* 33.56560763710° N *Longitude* 86.79194912450° W
Media description: HP0192D3 Same soil w/ more fill mixed in

Aliquot #4: *Latitude:* 33.56551322070° N *Longitude* 86.79192001520° W
Media description: HP0192D4 same soil w/ more fill mixed in

Aliquot #5: *Latitude:* 33.56552276210° N *Longitude* 86.79199133330° W
Media description: HP0192D5 same soil w/ more fill mixed in

ADDRESS: (b) (6) PROPERTY ID: HP-0006

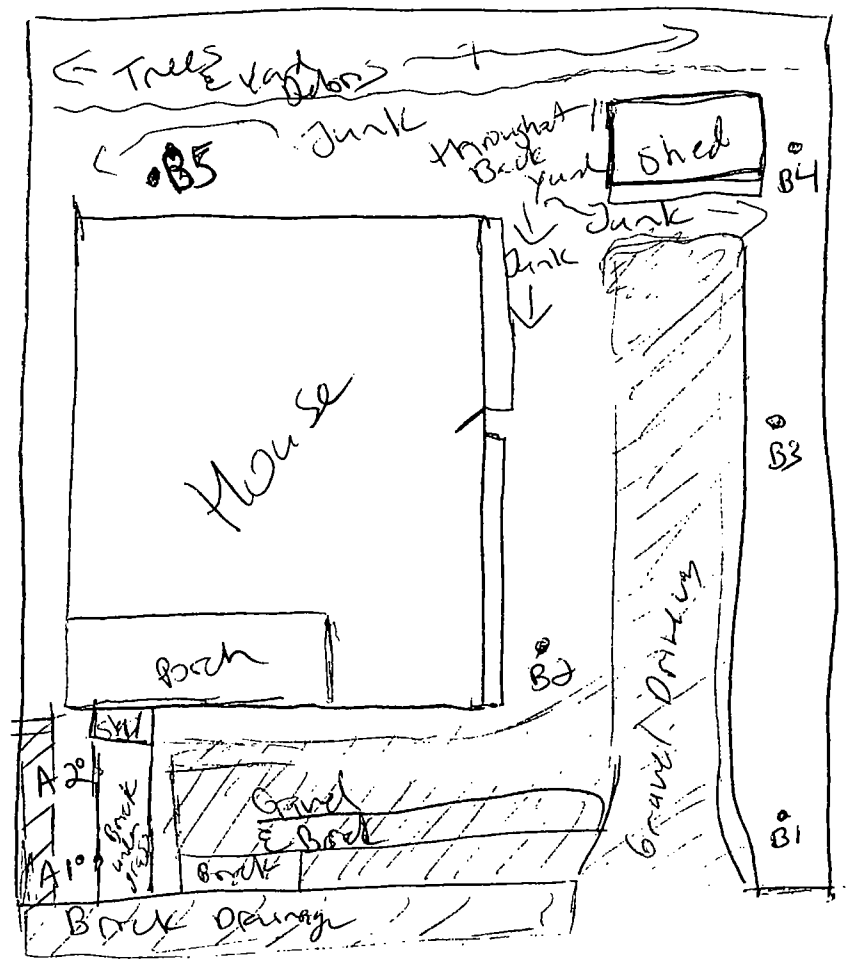
DATE: ~~10-2~~ 11/26/12 ARRIVAL TIME: 1455

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Junk / Scrap metal throughout the property front yard has a couple brick bottom drainage ditches. Grand and/or brick throughout most of front yard

Grid for property sketch



A1 to House = 15 feet

B1 to House 38.5 feet

STATION ID: HP0006A **SAMPLE ID:** HP0006A-CS

SAMPLE COLLECTION TIME: 1515

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

Front by steps

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.561238145000° N *Longitude* 86.797736554800° W

Media description: HP0006A1 Dk Brn silty sand w/ fill & coal fragments ~~dup~~ f

Aliquot #2 *Latitude:* 33.561245281300° N *Longitude* 86.797735407400° W

Media description: HP0006A2 Sam Soil

Aliquot #3: *Latitude:* ~~33.561288537500°~~ N *Longitude* ~~86.797640385200°~~ W

Media description: _____

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

Media description: _____

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

Media description: _____

STATION ID: HP0006B **SAMPLE ID:** HP0006B-CS

SAMPLE COLLECTION TIME: 1535

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

Side yard w/ one Back yard (B5)

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.561288537500° N *Longitude* 86.797640385200° W

Media description: HP0006B1 Dk Brn to Blk silty f w/ coal fragments dup

Aliquot #2 *Latitude:* 33.561240989200° N *Longitude* 86.797571272900° W

Media description: HP0006B2 Sam Soil

Aliquot #3: *Latitude:* 33.561389784600° N *Longitude* 86.797584772500° W

Media description: HP0006B3 Sam Soil

Aliquot #4: *Latitude:* 33.561489728800° N *Longitude* 86.797577184200° W

Media description: HP0006B4 Sam Soil

Aliquot #5: *Latitude:* 33.561487441700° N *Longitude* 86.797721648700° W

Media description: HP0006B5 Sam Soil

ADDRESS: (b) (6) PROPERTY ID: FM0284

DATE: 11/27/12 ARRIVAL TIME: 1325

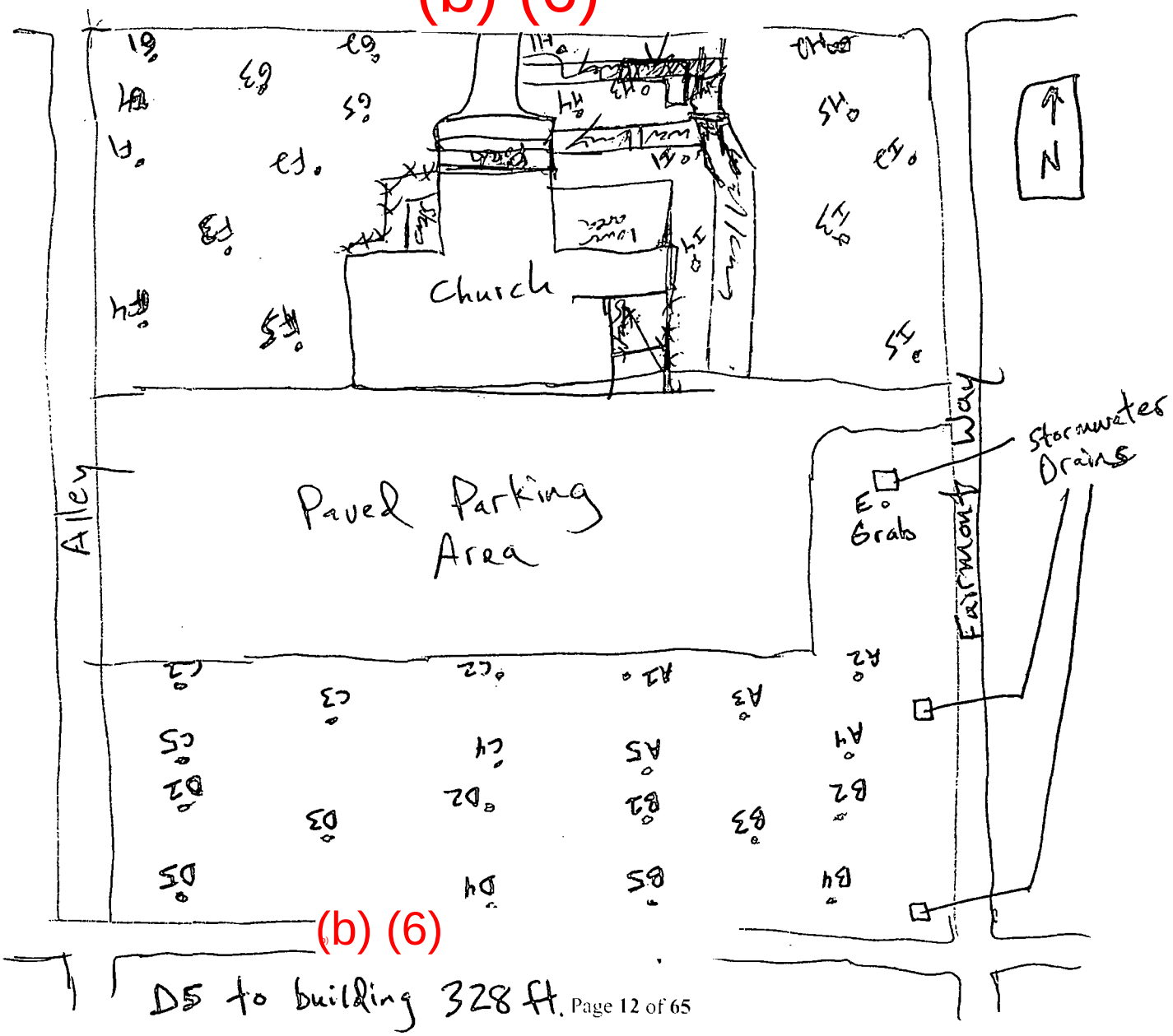
Other pertinent information (weather conditions, etc.):

Cold + cloudy

PROPERTY COMMENTS:

Church

Grid for property sketch (b) (6)



(b) (6)

D5 to building 328 ft.

STATION ID: FM0284A SAMPLE ID: FM0284A-CS

SAMPLE COLLECTION TIME: 1420

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
NE 1/4 of 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: FM0284A-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56361679090° N *Longitude* 86.81290989640° W
Media description: Orange clay moist f FM0284A1

Aliquot #2 *Latitude:* 33.56361960500° N *Longitude* 86.81275115870° W
Media description: Dk brn to black silty sand moist f FM0284A2

Aliquot #3: *Latitude:* 33.56350406730° N *Longitude* 86.81282002930° W
Media description: Same soil FM0284A3

Aliquot #4: *Latitude:* 33.56340889140° N *Longitude* 86.81272952120° W
Media description: Same soil FM0284A4

Aliquot #5: *Latitude:* 33.56340500670° N *Longitude* 86.81289920210° W
Media description: Same soil FM0284A5

STATION ID: FM0284B SAMPLE ID: FM0284B-CS

SAMPLE COLLECTION TIME: 1440

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
SE 1/4 of 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: FM0284B-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56334021290° N *Longitude* 86.81290389510° W
Media description: Dk brn to black silty sand moist FM0284B1

Aliquot #2 *Latitude:* 33.56334883290° N *Longitude* 86.81272101800° W
Media description: Same soil FM0284B2

Aliquot #3: *Latitude:* 33.56325146970° N *Longitude* 86.81280015200° W
Media description: Same Soil FM0284B3

Aliquot #4: *Latitude:* 33.56311408460° N *Longitude* 86.81273532820° W
Media description: Sam Soil FM0284B4

Aliquot #5: *Latitude:* 33.56311766960 N *Longitude* 86.81289411960° W
Media description: Sam Soil FM0284B5

ADDRESS: (b) (6) PROPERTY ID: FM0284

DATE: 11/27/12 ARRIVAL TIME: 1325

Other pertinent information (weather conditions, etc.):

cold & cloudy

PROPERTY COMMENTS:

Church

Grid for property sketch

Sketch on page 12

STATION ID: FM0284C SAMPLE ID: FM0284C-CS

SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
NW 1/4 of 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: FM0284C-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or ~~N~~ PDS

Aliquot #1: *Latitude:* 33.563315944 00° N *Longitude* 86.813148117 00° W
FM0284C Media description: Dk brn to black silty sand moist with coal fragments

Aliquot #2 *Latitude:* 33.563336459 70° N *Longitude* 86.812982891 20° W
FM0284D Media description: Same soil

Aliquot #3: *Latitude:* 33.563244919 00° N *Longitude* 86.813059267 30° W
FM0284C3 Media description: Same soil

Aliquot #4: *Latitude:* 33.563126114 10 N *Longitude* 86.812996912 90° W
FM0284C4 Media description: Same soil

Aliquot #5: *Latitude:* 33.563117039 10° N *Longitude* 86.813151118 30° W
FM0284C5 Media description: Same soil

STATION ID: FM0284D SAMPLE ID: FM0284D-CS

SAMPLE COLLECTION TIME: 1515

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
SW 1/4 of 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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.563614639 10° N *Longitude* 86.813112163 50° W
Media description: FM028401 Dk brn to blk slty sand moist f

Aliquot #2 *Latitude:* 33.563619462 80° N *Longitude* 86.812974733 30° W
Media description: FM028402 orange clay moist

Aliquot #3: *Latitude:* 33.563494226 0° N *Longitude* 86.813051993 60° W
Media description: FM028403 Dk brn to blk slty sand moist f

Aliquot #4: *Latitude:* 33.563411954 70° N *Longitude* 86.812985042 30° W
Media description: FM028404 Same soil

Aliquot #5: *Latitude:* 33.563416713 70° N *Longitude* 86.813149250 50° W
Media description: FM028405 Same soil

ADDRESS: (b) (6) PROPERTY ID: FM0284

DATE: 11/27/12 ARRIVAL TIME: 1325

Other pertinent information (weather conditions, etc.):

Cold + cloudy

PROPERTY COMMENTS:

Church

Grid for property sketch

Sketch on page 12

STATION ID: FM0284E SAMPLE ID: FM0284E-GS

SAMPLE COLLECTION TIME: 1520

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

Ditch near entrance of parking 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 [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.563887 16970 N *Longitude* 86.81268867490° W

Media description: FM0284E1 OK brn to blk slty snd f moist

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: FM0284F SAMPLE ID: FM0284F-GS

SAMPLE COLLECTION TIME: 1545

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

West 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 #: 018581 Logged? Y or N

Aliquot #1: *Latitude:* 33.56430019890° N *Longitude* 86-81314882700° W

Media description: FM0284F1 OK brn to blk slty snd f moist

Aliquot #2 *Latitude:* 33.56431616620° N *Longitude* 86-81301741120° W

Media description: FM0284F2 same soil

Aliquot #3: *Latitude:* 33.56419154880° N *Longitude* 86-81309818330° W

Media description: FM0284F3 same soil

Aliquot #4: *Latitude:* 33.56410926553O° N *Longitude* 86-81315042140° W

Media description: FM0284F4 orange clay moist m-f

Aliquot #5: *Latitude:* 33.56408729260° N *Longitude* 86.81306168210° W

Media description: FM0284F5 same soil

ADDRESS: (b) (6) PROPERTY ID: PM0284(Lon.)

DATE: 11/27/12 ARRIVAL TIME: 1325

Other pertinent information (weather conditions, etc.):

cold & cloudy

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 12

STATION ID: FM02846 SAMPLE ID: FM02846-CS

SAMPLE COLLECTION TIME: 1600

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

west side of 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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56445143800° N *Longitude* 86.84315291840° W
Media description: FM02846 G1 DK brn to blk silty sand f dmp

Aliquot #2 *Latitude:* 33.56445091040° N *Longitude* 86.81294508050° W
Media description: FM02846 G2 same soil

Aliquot #3: *Latitude:* 33.56444240183° N *Longitude* 86.81304619050° W
Media description: FM02846 G3 same soil

Aliquot #4: *Latitude:* 33.56438398190° N *Longitude* 86.81314277950° W
Media description: FM02846 G4 orange clay lmp f

Aliquot #5: *Latitude:* 33.56438678380° N *Longitude* 86.81296071760° W
Media description: FM02846 G5 dk brn to blk silty sand f lmp

STATION ID: FM02846 SAMPLE ID: FM02846-CS

SAMPLE COLLECTION TIME: 1620

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

~~Western~~ East side of 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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56444488860° N *Longitude* 86.81287428080° W
Media description: FM02846 H1 DK brn to blk silty sand f dmp

Aliquot #2 *Latitude:* ~~33.5644470°~~ 33.56444632870° N *Longitude* 86.81270737210° W
Media description: FM02846 H2 DK brn to blk silty sand f dmp

Aliquot #3: *Latitude:* 33.56440740630° N *Longitude* 86.81278466270° W
Media description: FM02846 H3 DK brn to blk silty sand dmp

Aliquot #4: *Latitude:* 33.56438115960° N *Longitude* 86.81283770550° W
Media description: FM02846 H4 same soil

Aliquot #5: *Latitude:* 33.56438105280° N *Longitude* 86.81270998430° W
Media description: FM02846 H5 same soil

ADDRESS: (b) (6) PROPERTY ID: PM0284 con.

DATE: 11/27/12 ARRIVAL TIME: 1325

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 12

STATION ID: FM0284I **SAMPLE ID:** FM0284I-CS

SAMPLE COLLECTION TIME: 1635

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

Eastern 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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56430892950° N *Longitude* 86.81278776160° W

Media description: FM0284I1

Aliquot #2 *Latitude:* 33.56431744360° N *Longitude* 86.81268152240° W

Media description: FM0284I2

Aliquot #3: *Latitude:* 33.56420470880° N *Longitude* 86.81271409210° W

Media description: FM0284I3

Aliquot #4: *Latitude:* 33.56420633580° N *Longitude* 86.81274088800° W

Media description: FM0284I4

Aliquot #5: *Latitude:* 33.56405845840° N *Longitude* 86.81267225670° W

Media description: FM0284I5

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: _____

11/27/12

ADDRESS: (b) (6) PROPERTY ID: PM 0108

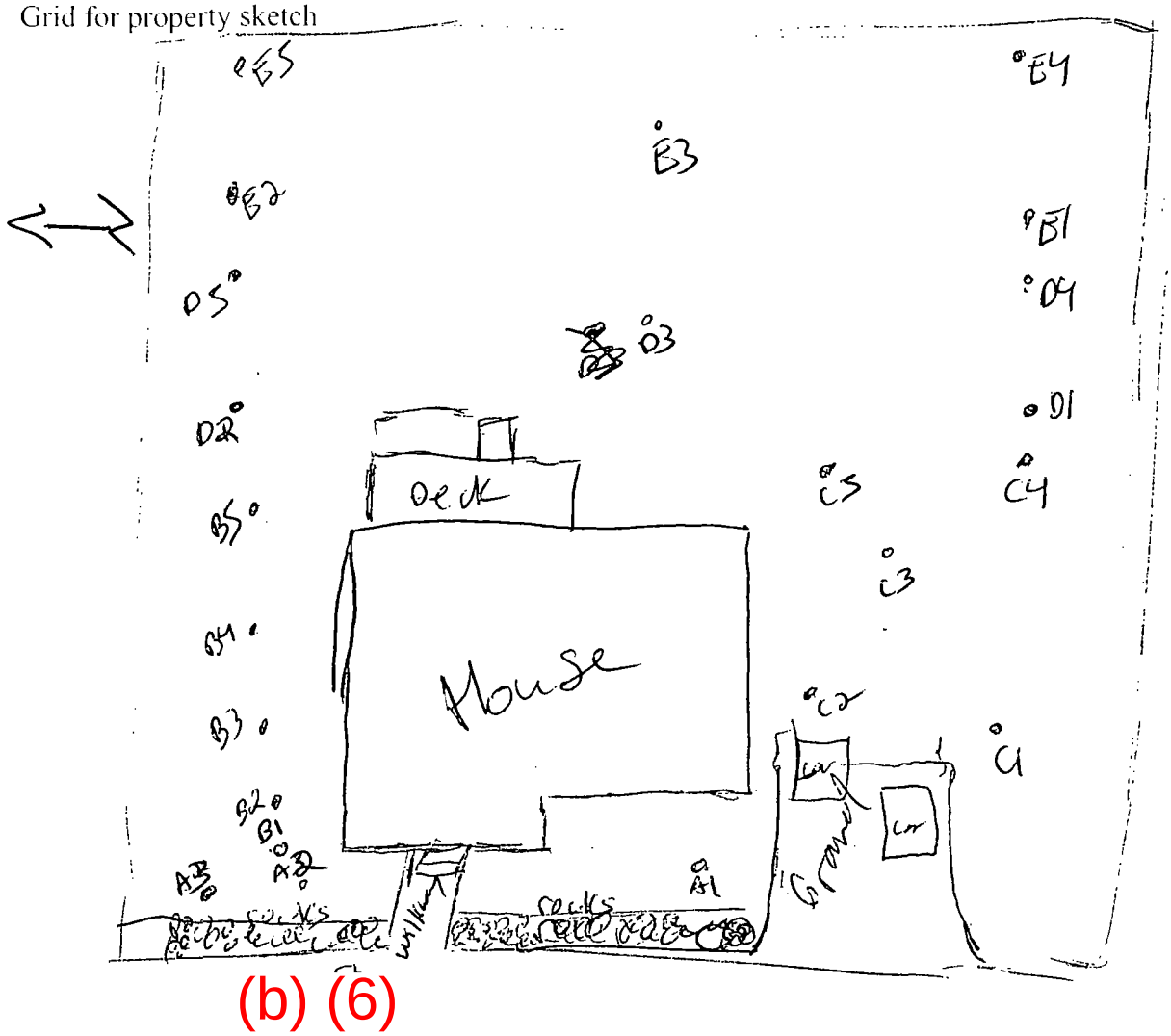
DATE: 11/28/12 ARRIVAL TIME: 0845

Other pertinent information (weather conditions, etc.):

Foggy and overcast and cold

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

Air samples started 0845/ stopped 1102

Data RAM started 0845/ stopped 1102

(004672)

STATION ID: FM0108A SAMPLE ID: FM0108A-CS

SAMPLE COLLECTION TIME: 0900

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): A3 to House =25 feet

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56984351° N *Longitude* 86.803962209° W

Media description: FM0108A1 Dk brn silty clay m-f dmp

Aliquot #2 *Latitude:* 33.56991110° N *Longitude* 86.80394850° W

Media description: FM0108A2 Same soil

Aliquot #3: *Latitude:* 33.56996106° N *Longitude* 86.80394316° W

Media description: FM0108A3 Same soil

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

Media description: _____

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

~~Media description:~~ _____

STATION ID: FM0108B SAMPLE ID: FM0108B-CS

SAMPLE COLLECTION TIME: 0915

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

Northern 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 #: 01851 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.569932000° N *Longitude* 86.80391834° W

Media description: FM0108B1 Dk brn silty f dmp w/coal fragments

Aliquot #2 *Latitude:* 33.56993160° N *Longitude* 86.80386001° W

Media description: FM0108B2 Orange clay m-f dmp w/coal fragments

Aliquot #3: *Latitude:* 33.56994827° N *Longitude* 86.80382657° W

Media description: FM0108B3 Dk brn slt f dmp w/coal fragments

Aliquot #4: *Latitude:* 33.56993947° N *Longitude* 86.80377491° W

Media description: FM0108B4 Same soil

Aliquot #5: *Latitude:* 33.56993325° N *Longitude* 86.80372418° W

Media description: FM0108B5 same soil

B5 to House = 17 feet

ADDRESS: (con.) PROPERTY ID: PM0108C ((on.)

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

sketch on 22

STATION ID: FM0108C SAMPLE ID: FM0108C-CS

SAMPLE COLLECTION TIME: 0915

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

Southern side yard C to House = 27 feet

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56976713° N *Longitude* 86.80386666° W

Media description: FM0108C1 Dk brn silty clay m-f dmp

Aliquot #2 *Latitude:* 33.56979791° N *Longitude* 86.80384903° W

Media description: FM0108C2 same soil

Aliquot #3: *Latitude:* 33.56979113° N *Longitude* 86.80378427° W

Media description: FM0108C3 lt brn sandy m dmp

Aliquot #4: *Latitude:* 33.56975898° N *Longitude* 86.80371847° W

Media description: FM0108C4 DK brn silty clay m-f dmp

Aliquot #5: *Latitude:* 33.56980514° N *Longitude* 86.80372084° W

Media description: FM0108C5 same soil

STATION ID: FM0108D SAMPLE ID: FM0108D-CS

SAMPLE COLLECTION TIME: 0945

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

Front half (western ½) of back yard D to House = 78 feet

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 #: 0851 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56975525° N *Longitude* 86.80368145° W

Media description: FM0108D1 DK brn silty clay m-f dmp

Aliquot #2 *Latitude:* 33.56993428° N *Longitude* 86.80367765° W

Media description: FM0108D2 Same soil

Aliquot #3: *Latitude:* 33.56984156° N *Longitude* 86.80359487° W

Media description: FM0108D3 Same soil

Aliquot #4: *Latitude:* 33.56975554° N *Longitude* 86.80352019° W

Media description: FM0108D4 Same soil

Aliquot #5: *Latitude:* 33.56990995° N *Longitude* 86.80353226° W

Media description: FM0108D5 Same soil

ADDRESS: (con.) PROPERTY ID: PM0108E con.

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

Sketch on pg 22

STATION ID: FM0108E **SAMPLE ID:** FM0108E-CS

SAMPLE COLLECTION TIME: 0945

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

Back Eastern ½ of back yard E4 to House = 150 feet

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 #: 01851 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56976220° N *Longitude* 86.80344008° W

Media description: FM0108E1 DK brn slty cly n-f dmp

Aliquot #2 *Latitude:* 33.56990668° N *Longitude* 86.80342953° W

Media description: FM0108E2 Same Soil

Aliquot #3: *Latitude:* 33.56983490° N *Longitude* 86.80335912° W

Media description: FM0108E3 same soil

Aliquot #4: *Latitude:* 33.56975683° N *Longitude* 86.80328497° W

Media description: FM0108E4 same Soil

Aliquot #5: *Latitude:* 33.56990692° N *Longitude* 86.80329668° W

Media description: FM0108E5

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: CV 0711

DATE: 11/28/12 ARRIVAL TIME: 1045

Other pertinent information (weather conditions, etc.):

partly sunny

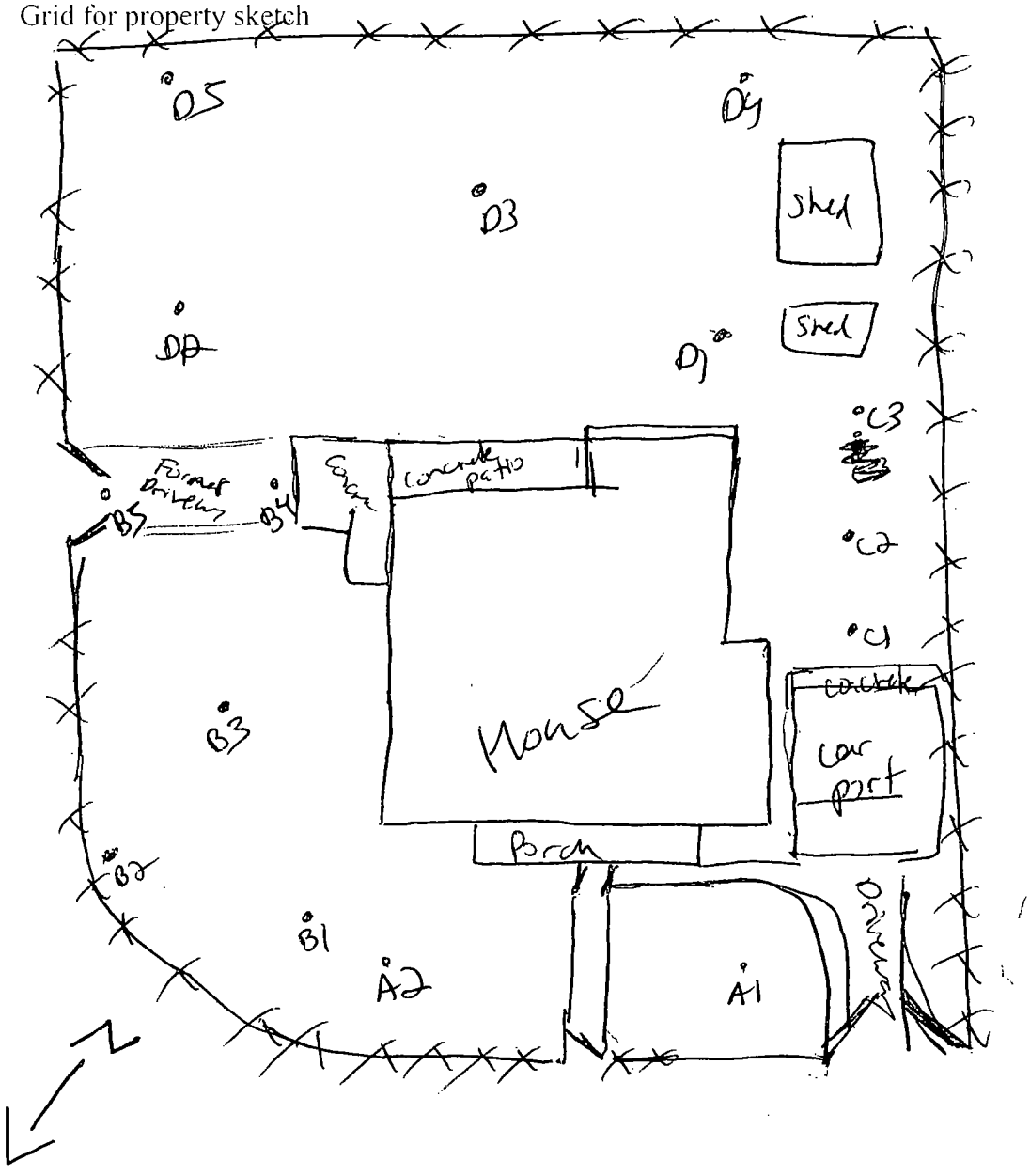
PROPERTY COMMENTS:

No playsets or gardens

Air sampling started at 11:20 / stopped at 1145

Data RAM(#1672) started at 11:20 / stopped at 1145

Grid for property sketch



STATION ID: CV0711 A **SAMPLE ID:** CV0711 A-CS

SAMPLE COLLECTION TIME: 1110

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

Front yard A2 to House = 17 feet

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 #: 01858 1 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56155294° N *Longitude* 86.79991197° W

Media description: CV0711 A1 DK brn slt yard dmp

Aliquot #2 *Latitude:* 33.56159582° N *Longitude* 86.79986577° W

Media description: CV0711A2 Same Soil

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: CV0711 B **SAMPLE ID:** CV0711 B-CS

SAMPLE COLLECTION TIME: 1125

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

NE side yard B5 to House = 43 feet

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 #: 01858 1 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56161629° N *Longitude* 86.79982458° W

Media description: CV0711 B1 DK brn slt dmp, m-f

Aliquot #2 *Latitude:* 33.56164755° N *Longitude* 86.79974808° W

Media description: CV0711 B2 Same Soil

Aliquot #3: *Latitude:* 33.56159140° N *Longitude* 86.79972441° W

Media description: CV0711 B3 Same Soil

Aliquot #4: *Latitude:* 33.56150181° N *Longitude* 86.79966353° W

Media description: CV0711 B4 Same Soil

Aliquot #5: *Latitude:* 33.56156488° N *Longitude* 86.79960588° W

Media description: CV0711 B5 Same Soil

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

STATION ID: CV0711C SAMPLE ID: CV0711C-CS

SAMPLE COLLECTION TIME: 1140

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

SW side yard C3 to House = 9.5 feet

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 #: 018591 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56144851° N *Longitude* 86.79983609° W

Media description: CV0711C1 PK brn slty clay fn-f dmp

Aliquot #2 *Latitude:* 33.56142375° N *Longitude* 86.79979645° W

Media description: CV0711C2 same soil

Aliquot #3: *Latitude:* 33.56139387° N *Longitude* 86.79975065° W

Media description: CV0711C3 same soil

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

Media description: CV0711C4

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

Media description: CV0711C5

STATION ID: CV0711D SAMPLE ID: CV0711D-CS

SAMPLE COLLECTION TIME: 1140

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

Back yard D5 to House = 71 feet

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56140507° N *Longitude* 86.79970596° W

Media description: CV0711D1 DK brn slty clay fn-f dmp

Aliquot #2 *Latitude:* 33.56152038° N *Longitude* 86.79958571° W

Media description: CV0711D2 same soil

Aliquot #3: *Latitude:* 33.56142725° N *Longitude* 86.79957911° W

Media description: CV0711D3 same soil

Aliquot #4: *Latitude:* 33.56131940° N *Longitude* 86.79960603° W

Media description: CV0711D4 same soil

Aliquot #5: *Latitude:* 33.56142959° N *Longitude* 86.79946289° W

Media description: CV0711D5 same soil

ADDRESS: (b) (6) PROPERTY ID: HP0260

DATE: 11/28/12 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

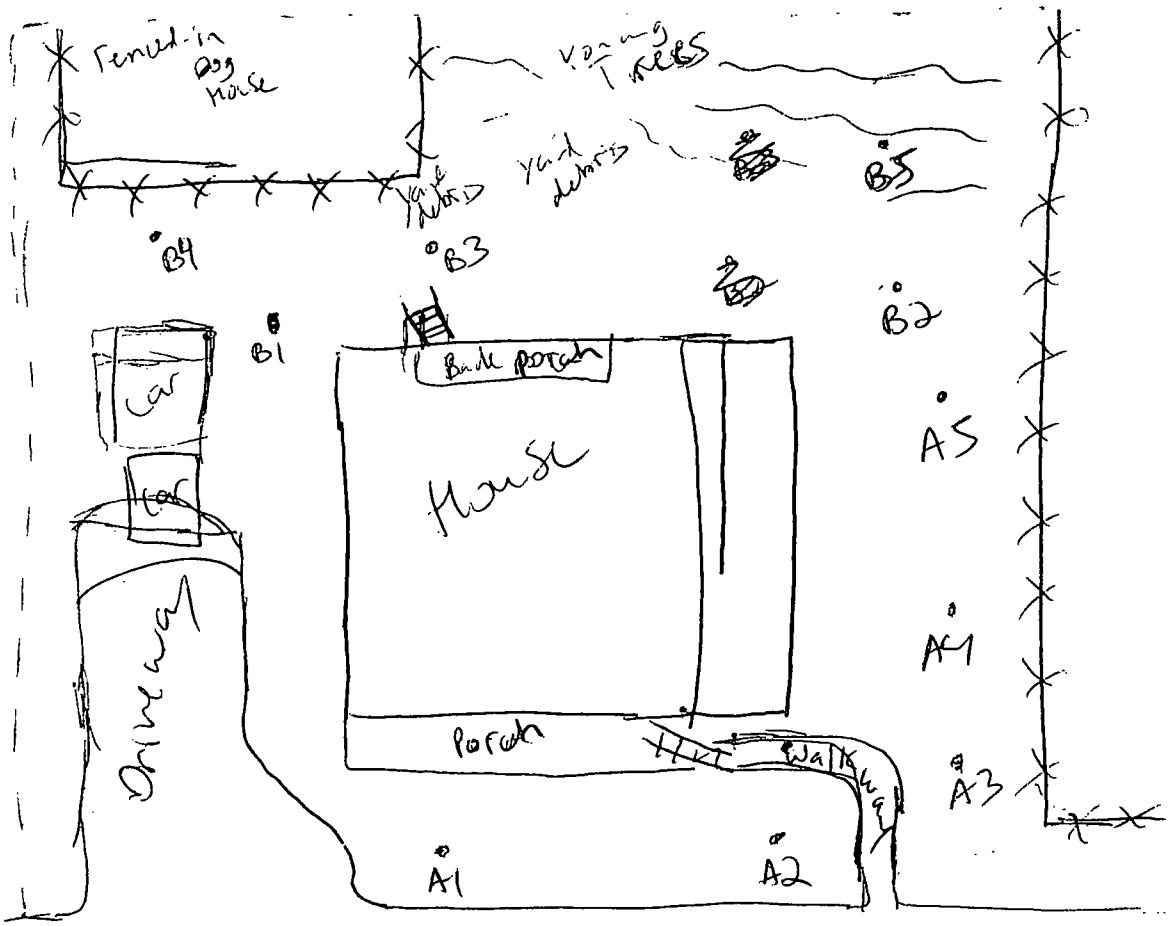
partly sunny

PROPERTY COMMENTS: NO playground/garden

Air sampling starting 1338 / Stopped at 1415

Data RAM (004672) starting at 1338/ Stopped at 1415

Grid for property sketch



(b) (6)

STATION ID: HP0260A SAMPLE ID: HP0260A-CS

SAMPLE COLLECTION TIME: 1350

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

Front and western side yard A3 to House = 23 feet

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

Field Duplicate or Split: (Yes) or (No) If yes, indicate (Duplicate)/split sample station ID: HP0260A-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56651480° N *Longitude* 86.78995169° W
Media description: HP0260A1 dk brn slty m-f drop w/coal fragments

Aliquot #2 *Latitude:* 33.56651438° N *Longitude* 86.79000272° W
Media description: HP0260A2 Same Soil

Aliquot #3: *Latitude:* 33.56648735° N *Longitude* 86.79004520° W
Media description: HP0260A3 Same Soil

Aliquot #4: *Latitude:* 33.56640401° N *Longitude* 86.79004475° W
Media description: HP0260A4 Same Soil

Aliquot #5: *Latitude:* 33.56634551° N *Longitude* 86.79004428° W
Media description: HP0260A5 Same Soil

STATION ID: HP0260B SAMPLE ID: HP0260B-CS

SAMPLE COLLECTION TIME: 1410

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

Back yard B5 to House = 44 feet

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 #: 018581 Logged? (Y) or (N)

Aliquot #1: *Latitude:* 33.56630560° N *Longitude* 86.78994462° W
Media description: HP0260B1 dk brn slty m-f drop w/coal fragm

Aliquot #2 *Latitude:* 33.56629348° N *Longitude* 86.79003765° W
Media description: HP0260B2 Same Soil

Aliquot #3: *Latitude:* 33.56624632° N *Longitude* 86.78993440° W
Media description: HP0260B3 Same Soil

Aliquot #4: *Latitude:* 33.56621796° N *Longitude* 86.78994612° W
Media description: HP0260B4 Same Soil

Aliquot #5: *Latitude:* 33.56619634° N *Longitude* 86.79003732° W
Media description: HP0260B5 Same Soil

ADDRESS: (b) (6) PROPERTY ID: CV 0126

DATE: 11/28/12 ARRIVAL TIME: ~~2:22~~ 1422

Other pertinent information (weather conditions, etc.):

partly Sunny & warm

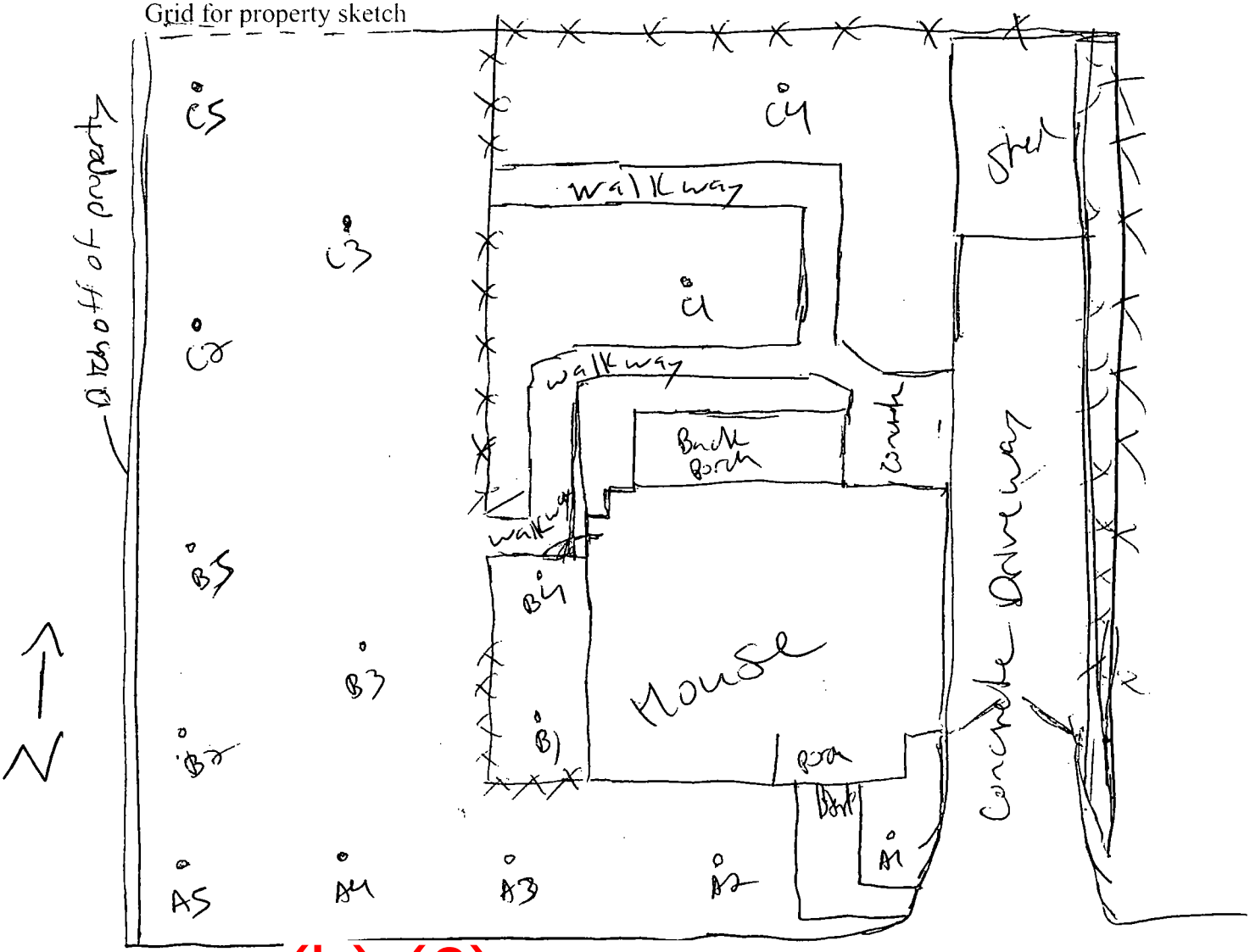
PROPERTY COMMENTS: No playset or garden

Air sample started 1428 / stopped at 1517

Data RAM (004672) started 1428 / stopped at 1517

part of yard fenced in, part not fenced in

Grid for property sketch



(b) (6)

STATION ID: CV0126A SAMPLE ID: CV0126A-CS

SAMPLE COLLECTION TIME: 1415

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

Front yard AS to House 44.5ft

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

Field Duplicate or Split: (Yes) or No *If yes, indicate* Duplicate/split sample station ID: CV0126A-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.560402 00° N *Longitude* 86.80486398° W

Media description: CV0126A1 DK brn silty clay m-f dmp w/ coal fragments

Aliquot #2 *Latitude:* 33.560442 30° N *Longitude* 86.80485660° W

Media description: CV0126A2 same soil

Aliquot #3: *Latitude:* 33.560496 24° N *Longitude* 86.80486335° W

Media description: CV0126A3 same soil

Aliquot #4: *Latitude:* 33.560548 83° N *Longitude* 86.80485813° W

Media description: CV0126A4 same soil

Aliquot #5: *Latitude:* 33.560603 87° N *Longitude* 86.80485724° W

Media description: CV0126A5 same soil

STATION ID: CV0126B SAMPLE ID: CV0126B-CS

SAMPLE COLLECTION TIME: 1500

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

Side yard (fenced & non-fenced area) 47.5 feet

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.560490 72° N *Longitude* 86.80479227° W

Media description: CV0126B1 DK brn to blk silty clay to clay m-f ~~dmp~~ wet w/ coal fragments

Aliquot #2 *Latitude:* 33.560602 41° N *Longitude* 86.80478197° W

Media description: CV0126B2 DK brn silty clay m-f dmp w/ coal fragments

Aliquot #3: *Latitude:* 33.560543 55° N *Longitude* 86.80474069° W

Media description: CV0126B3 same soil

Aliquot #4: *Latitude:* 33.560489 94° N *Longitude* 86.80469171° W

Media description: CV0126B4 same soil

Aliquot #5: *Latitude:* 33.560602 89° N *Longitude* 86.80467054° W

Media description: CV0126B5 same soil

ADDRESS: (b) (6) (continued) PROPERTY ID: CV0126

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

_____

PROPERTY COMMENTS:

_____

_____

_____

_____

Grid for property sketch

Sketch on pg 34

STATION ID: CV0126C **SAMPLE ID:** CV0126C-CS

SAMPLE COLLECTION TIME: 1515

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

Back yard (fenced Non-fenced area) CS to House = 69 feet

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56045641° N *Longitude* 86.80456647° W

Media description: CV0126C1 DK brn slty clay m-f dmp

Aliquot #2 *Latitude:* 33.56060062° N *Longitude* 86.80456353° W

Media description: CV0126C2 Same Soil

Aliquot #3: *Latitude:* 33.56055170° N *Longitude* 86.80453058° W

Media description: CV0126C3 Same Soil

Aliquot #4: *Latitude:* 33.56045418° N *Longitude* 86.80447950° W

Media description: CV0126C4 Same Soil

Aliquot #5: *Latitude:* 33.56060029° N *Longitude* 86.80447398° W

Media description: CV0126C5 Same 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: CV0248

DATE: 11/29/12 ARRIVAL TIME: 0850

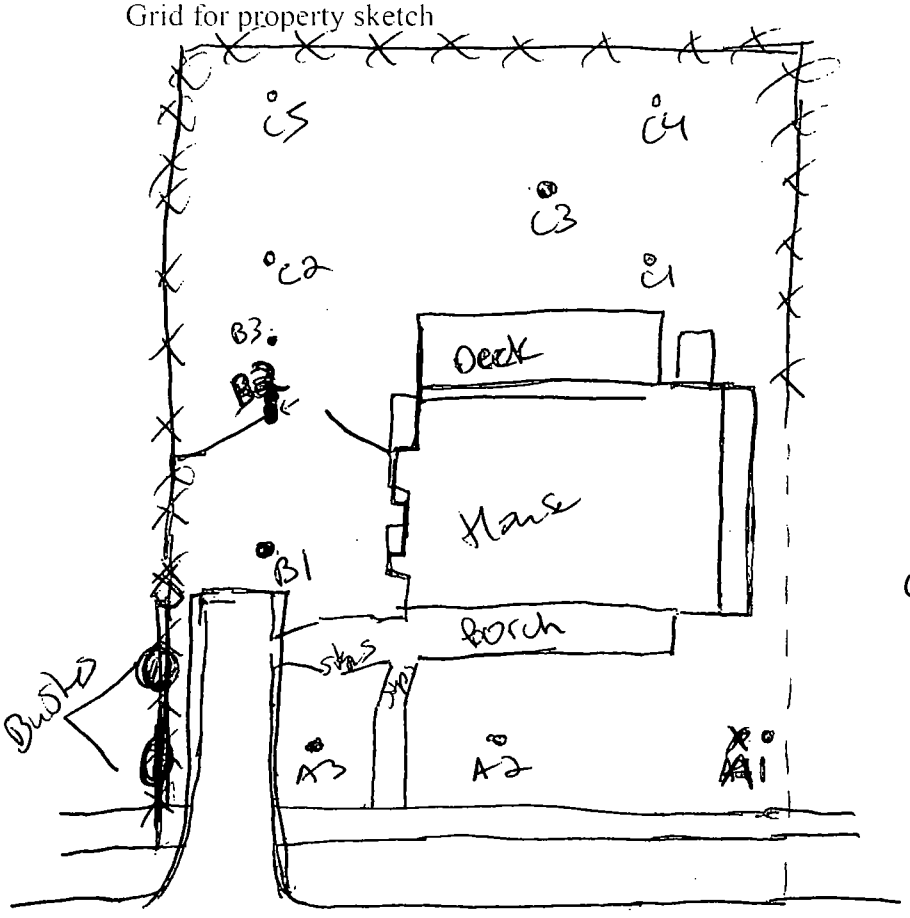
Other pertinent information (weather conditions, etc.):

Sunny & clear

PROPERTY COMMENTS:

no playset or garden

Grid for property sketch



A1 to house = 18 feet
B3 to house = 11.5 feet
C5 to max = 60 feet

(b) (6)

STATION ID: CN0248A SAMPLE ID: CN0248A-CS

SAMPLE COLLECTION TIME: 0910

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: CN0248A-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.555055 66° N *Longitude* 86.80270384° W

Media description: CN0248A1 Blk slt f dmp w/ fill

Aliquot #2 *Latitude:* 33.55509344° N *Longitude* 86.80270270° W

Media description: CN0248A2 Same Soil

Aliquot #3: *Latitude:* 33.55512753° N *Longitude* 86.80270232° W

Media description: CN0248A3 Same Soil

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

~~Media description:~~

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

Media description:

STATION ID: CN0248B SAMPLE ID: CN0248B-CS

SAMPLE COLLECTION TIME: 0925

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

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55515432° N *Longitude* 86.80261782° W

Media description: CN0248B1 DK brwn Slt f dmp w/ fill

Aliquot #2 *Latitude:* 33.55515023° N *Longitude* 86.80253716° W

Media description: CN0248B2 Same Soil

Aliquot #3: *Latitude:* 33.55515276° N *Longitude* 86.80247233° W

Media description: CN0248B2 Same Soil

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

~~Media description:~~

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

Media description:

ADDRESS (b) (6) PROPERTY ID: CW0248 (CW)

DATE: 11/29/12 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 38

STATION ID: CN0248C **SAMPLE ID:** CN0248C-CS

SAMPLE COLLECTION TIME: 0940

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55508386° N *Longitude* 86.80241324° W

Media description: CN0248C1 DK brn slt f dmp w/fill

Aliquot #2 *Latitude:* 33.55514654° N *Longitude* 86.80241875° W

Media description: CN0248C2 Same soil

Aliquot #3: *Latitude:* 33.55510552° N *Longitude* 86.80236316° W

Media description: CN0248C3 Same soil

Aliquot #4: *Latitude:* 33.55508012° N *Longitude* 86.80230078° W

Media description: CN0248C4 same soil, but also w/ coal fragments

Aliquot #5: *Latitude:* 33.55514179° N *Longitude* 86.80229923° W

Media description: CN0248C5 Same soil, ~~but also w/coal fragments~~ as #1-3

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: CV-0736

DATE: 11/29/12 ARRIVAL TIME: 0955

Other pertinent information (weather conditions, etc.):

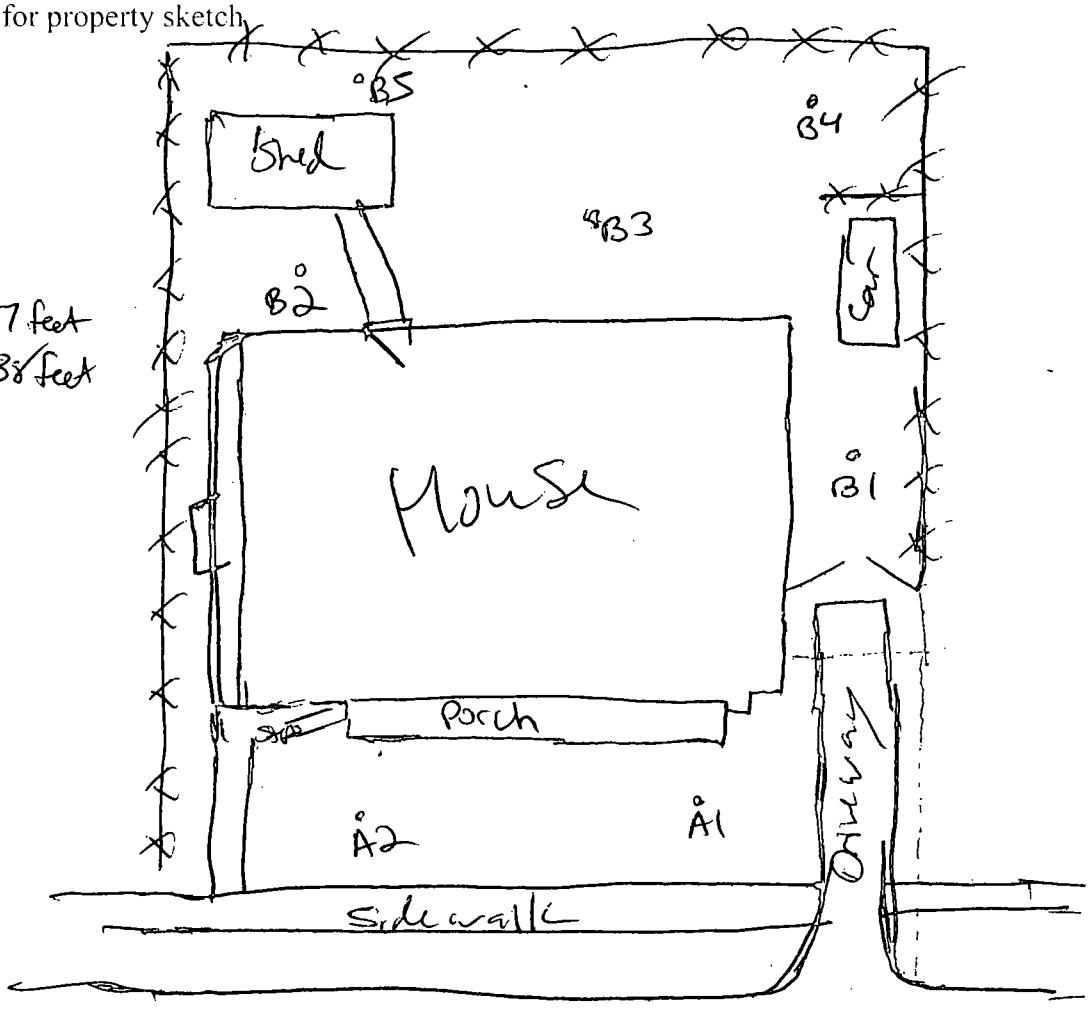
Sunny & clear

PROPERTY COMMENTS:

no playset or garden

Grid for property sketch

A2 to House = 17 feet
B5 to House = 38 feet



(b) (6)

STATION ID: CN0736A SAMPLE ID: CN0736A-CS

SAMPLE COLLECTION TIME: 1015

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55343460° N *Longitude* 86.80411970° W

Media description: CN0736A1 DK brn slt f dmp

Aliquot #2 *Latitude:* 33.55342570° N *Longitude* 86.80417171° W

Media description: CN0736A2 same soil

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: CN0736B SAMPLE ID: CN0736B-CS

SAMPLE COLLECTION TIME: 1025

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

Back yard and one on side yard past driveway

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55356179° N *Longitude* 86.80407472° W

Media description: CV0736B1 DK brn slt f dmp

Aliquot #2 *Latitude:* 33.55363610° N *Longitude* 86.80416675° W

Media description: CN0736B2 same soil

Aliquot #3: *Latitude:* 33.55365222° N *Longitude* 86.80412051° W

Media description: CN0736B3 Same soil

Aliquot #4: *Latitude:* 33.55369887° N *Longitude* 86.80407898° W

Media description: CN0736B4 Same soil

Aliquot #5: *Latitude:* 33.55370706° N *Longitude* 86.80415610° W

Media description: CN0736B5 same soil

ADDRESS: (b) (6) PROPERTY ID: CV0735

DATE: ~~10~~ 11/29/12 ARRIVAL TIME: 1035

Other pertinent information (weather conditions, etc.):

Sunny & clear

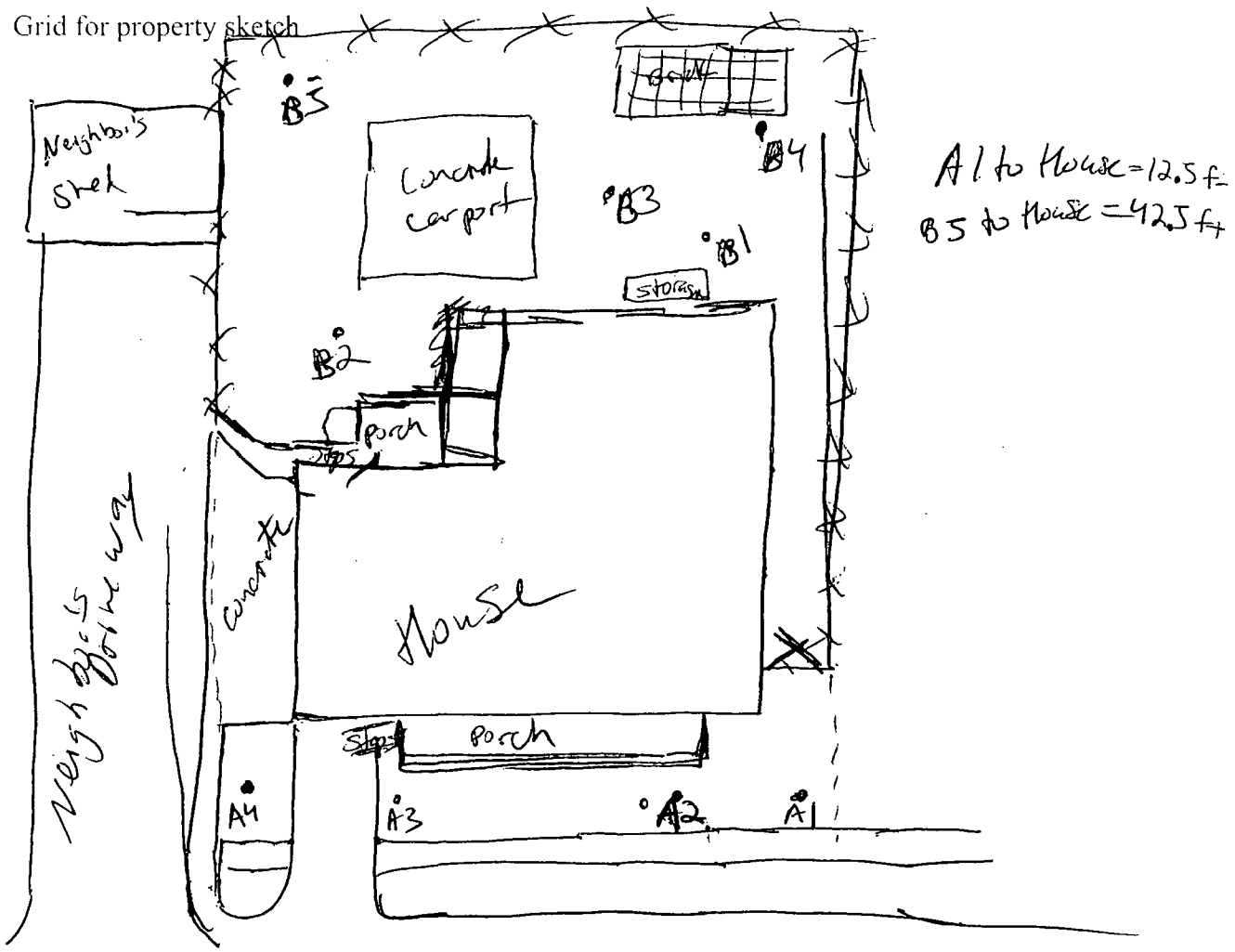
PROPERTY COMMENTS:

no play sets or gardens

concrete and brick pads in back yard changed

dice pattern some

Grid for property sketch



(b) (6)

STATION ID: CV0735A SAMPLE ID: CV0735A-CS

SAMPLE COLLECTION TIME: 1050

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 #: 018581 Logged? Y or N

Aliquot #1: *Latitude:* 33.55339235° N *Longitude* 86.80323696° W

Media description: CV073541 DK brn to blk slty clay m-f dmp w/ coal fragm

Aliquot #2 *Latitude:* 33.55339031° N *Longitude* 86.80327515° W

Media description: CV0735A2 Same soil

Aliquot #3: *Latitude:* 33.55339368° N *Longitude* 86.80331403° W

Media description: CV0735A3 Same Soil

Aliquot #4: *Latitude:* 33.55339522° N *Longitude* 86.80338551° W

Media description: CV0735A4 Same Soil

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

~~Media description:~~

STATION ID: CV0735B SAMPLE ID: CV0735B-CS

SAMPLE COLLECTION TIME: 1105

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55358473° N *Longitude* 86.80326183° W

Media description: CV0735B1 DK brn to blk slty clay m-f dmp

Aliquot #2 *Latitude:* 33.55354948° N *Longitude* 86.80335879° W

Media description: CV075382 DK brn to blk slty clay m-f dmp w/ fill

Aliquot #3: *Latitude:* 33.55361372° N *Longitude* 86.80330119° W

Media description: CV075383 DK brn to blk slty clay m-f dmp

Aliquot #4: *Latitude:* 33.55363870° N *Longitude* 86.80323889° W

Media description: CV075384 Same soil

Aliquot #5: *Latitude:* 33.55366906° N *Longitude* 86.80335265° W

Media description: CV075385 Same soil

ADDRESS: (b) (6) PROPERTY ID: HP0208

DATE: 11/29/12 ARRIVAL TIME: 1335

Other pertinent information (weather conditions, etc.):

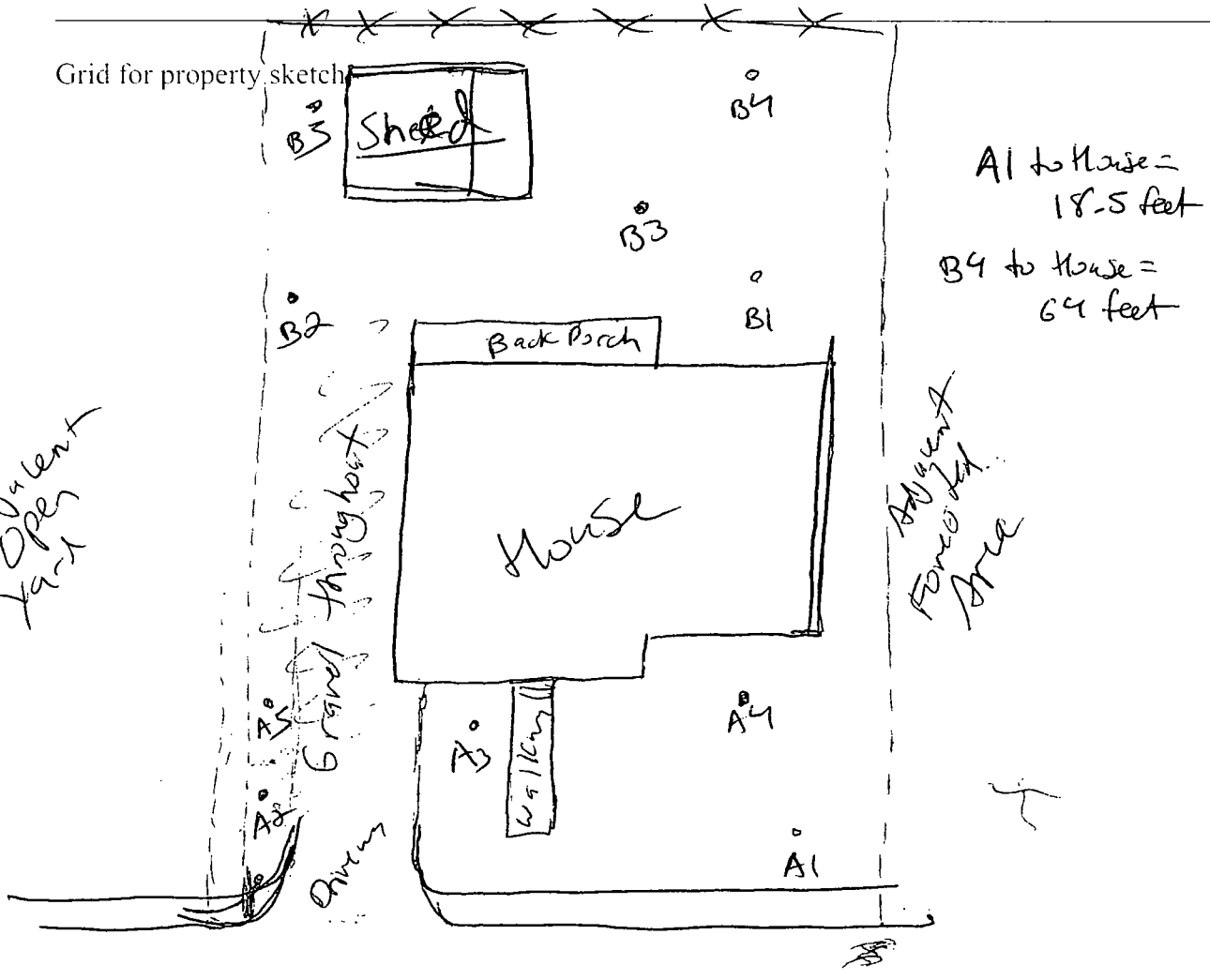
Sunny & clear

PROPERTY COMMENTS:

no playsets or garden

Dog chained up in back, but friendly

Grid for property sketch



STATION ID: HP0208A SAMPLE ID: HP0208A-CS

SAMPLE COLLECTION TIME: 1405

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 #: 018581 Logged? Y or (N)

Aliquot #1: *Latitude:* 33.56573409° N *Longitude* 86.79009818° W
Media description: HP0208A1 DK brn slt f drop

Aliquot #2 *Latitude:* 33.56574853° N *Longitude* 86.79020981° W
Media description: HP0208A2 Same soil w/ some gravel

Aliquot #3: *Latitude:* 33.56577755° N *Longitude* 86.79013720° W
Media description: HP0208A3 Same soil

Aliquot #4: *Latitude:* 33.56578932° N *Longitude* 86.79007355° W
Media description: HP0208A4 Same soil ~~with some gr~~

Aliquot #5: *Latitude:* 33.56578297° N *Longitude* 86.79018963° W
Media description: HP0208A5 Same soil w/ some gravel

STATION ID: HP0208B SAMPLE ID: HP0208B-CS

SAMPLE COLLECTION TIME: 1415

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56595126° N *Longitude* 86.79006993° W
Media description: HP0208B1 dk brn slt f drop

Aliquot #2 *Latitude:* 33.56594597° N *Longitude* 86.79017759° W
Media description: HP0208B2 Same soil w/ gravel

Aliquot #3: *Latitude:* 33.56601127° N *Longitude* 86.79008835° W
Media description: HP0208B3 same soil ~~with gravel~~

Aliquot #4: *Latitude:* 33.56608741° N *Longitude* 86.79006491° W
Media description: HP0208B4 Same soil

Aliquot #5: *Latitude:* 33.56606437° N *Longitude* 86.79018225° W
Media description: HP0208B5 Same soil

ADDRESS: (b) (6) PROPERTY ID: MP0116

DATE: 11/29/12 ARRIVAL TIME: 1427

Other pertinent information (weather conditions, etc.):

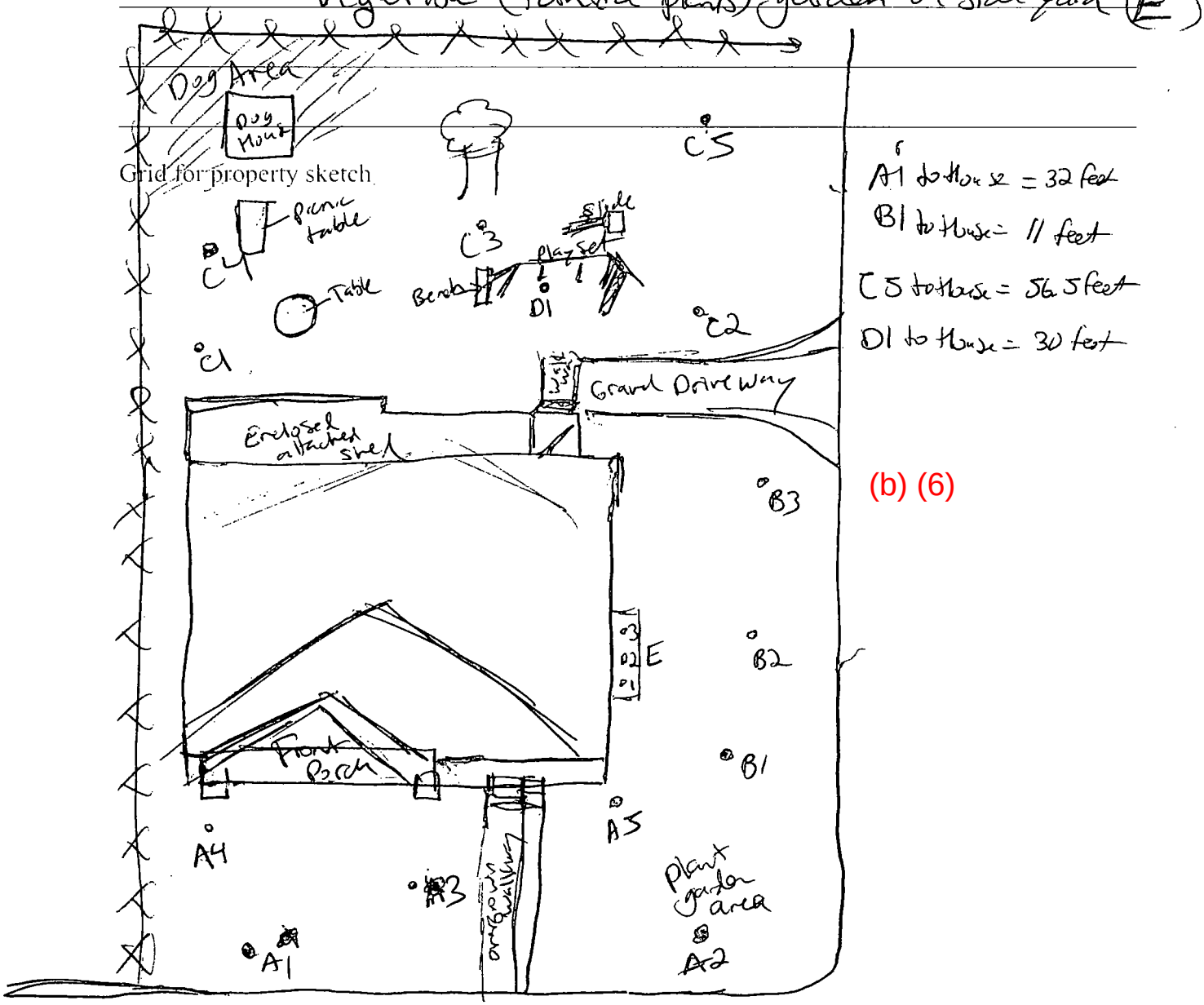
Sunny & clear

PROPERTY COMMENTS:

playset in back yard (D1)

vegetable (tomato plants) garden on side yard (E)

Grid for property sketch



A1 to house = 32 feet

B1 to house = 11 feet

C5 to house = 56.5 feet

D1 to house = 30 feet

(b) (6)

(b) (6)

STATION ID: HP0116A SAMPLE ID: HP0116A-CS

SAMPLE COLLECTION TIME: 1450

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 #: 01858 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56483734° N *Longitude* 86.79279707° W

Media description: HP0116A1 DK brn slty clay m-f dmp

Aliquot #2 *Latitude:* 33.56483382° N *Longitude* 86.79288509° W

Media description: HP0116A2 Same soil

Aliquot #3: *Latitude:* 33.56480806° N *Longitude* 86.79282580° W

Media description: HP0116A3 Same soil

Aliquot #4: *Latitude:* 33.56478570° N *Longitude* 86.79278661° W

Media description: HP0116A4 Same soil

Aliquot #5: *Latitude:* 33.56477517° N *Longitude* 86.79286456° W

Media description: HP0116A5 Same soil

STATION ID: HP0116B SAMPLE ID: HP0116B-CS

SAMPLE COLLECTION TIME: 1505

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

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 #: 01858 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56473154° N *Longitude* 86.79289181° W

Media description: HP0116B1 DK brn slty clay m-f dmp

Aliquot #2 *Latitude:* 33.56469695° N *Longitude* 86.79289664° W

Media description: HP0116B2 Same soil

Aliquot #3: *Latitude:* 33.56465249° N *Longitude* 86.79290131° W

Media description: HP0116B3 Same soil

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

~~Media description: _____~~

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

~~Media description: _____~~

ADDRESS: (b) (6) PROPERTY ID: MP0116 (con)

DATE: 11/29/17 ARRIVAL TIME: (con)

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 48

STATION ID: HP0116C **SAMPLE ID:** HP0116C-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 #: 08581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56458859° N *Longitude* 86.79289669° W
Media description: HP0116C1 OK brn slty clay m-f dnp

Aliquot #2 *Latitude:* 33.56459040° N *Longitude* 86.79277737° W
Media description: HP0116C2 Sgmc soil

Aliquot #3: *Latitude:* 33.56452886° N *Longitude* 86.79283743° W
Media description: HP0116C3 Sgmc soil

Aliquot #4: *Latitude:* 33.56454947° L N *Longitude* 86.79274829° L W
Media description: HP0116C4 Sgmc soil

Aliquot #5: *Latitude:* 33.56448201° L N *Longitude* 86.79289760° L W
Media description: HP0116C5 Sgmc soil

STATION ID: ~~HP0116-DS~~ HP0116D **SAMPLE ID:** ~~HP0116-DS~~ HP0116D-DS

SAMPLE COLLECTION TIME: 1530

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

Play set (under swing)

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 #: 08581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56455584° N *Longitude* 86.79286787° W
Media description: HP0116D1 OK brn slty clay m-f dnp

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: Contrary PROPERTY ID: 7P0116(Con)

DATE: 11/29/12 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on 48

STATION ID: HP0116E **SAMPLE ID:** HP0116E-CS

SAMPLE COLLECTION TIME: 1540

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

vegetable Garden (tomatoes)

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 #: 01858 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56472004° N *Longitude* 86.79287667° W

Media description: HP0116E1 DK brn silty clay w-f drop

Aliquot #2 *Latitude:* 33.56470876° N *Longitude* 86.79288695° W

Media description: HP0116E2 Same Soil

Aliquot #3: *Latitude:* 33.56470102° N *Longitude* 86.79288379° W

Media description: HP0116E3 Same Soil

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: CV 0268

DATE: 11/30/12 ARRIVAL TIME: 0845

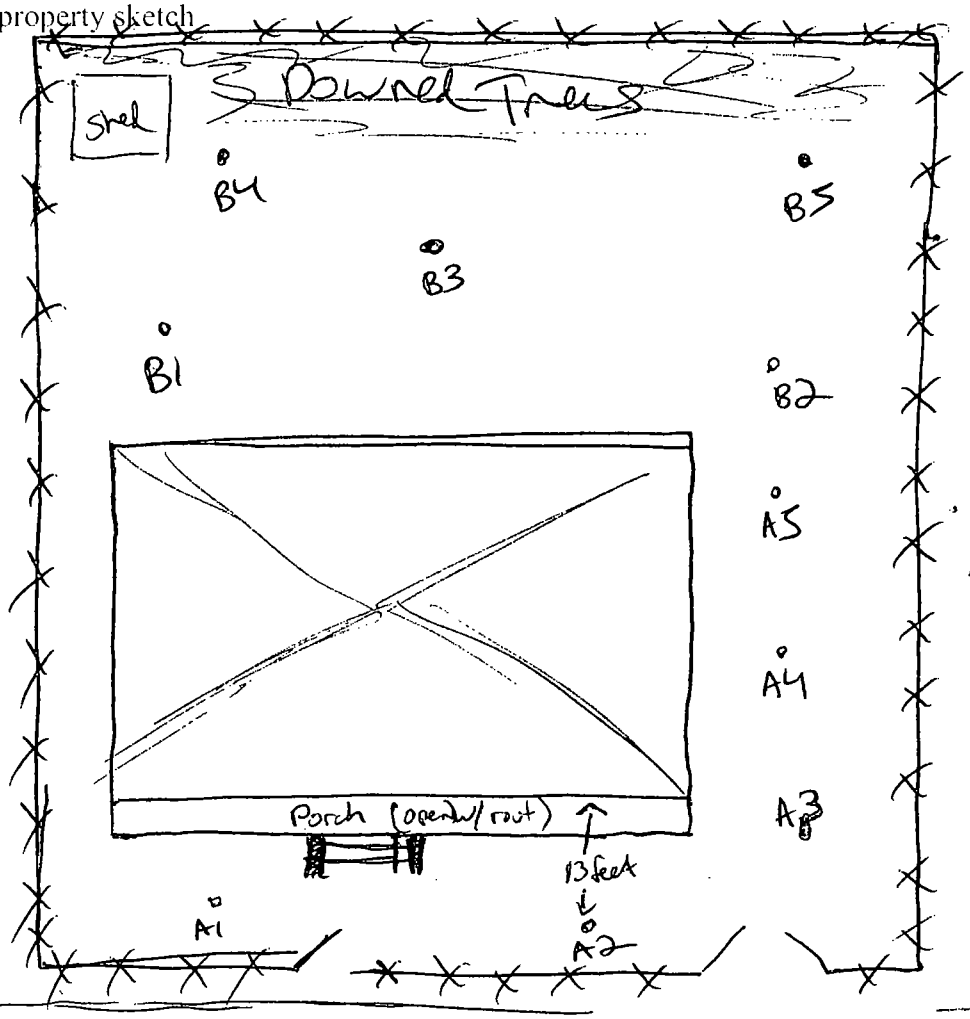
Other pertinent information (weather conditions, etc.):

mostly cloudy cool, 52°F

PROPERTY COMMENTS:

no playsets or gardens, downed trees in back of property blocking way back and knocked over fence and clothesline

Grid for property sketch



A2 to House = 13 feet

B5 to House = 44 feet

(b) (6)

STATION ID: CN0268A SAMPLE ID: CN0268A-CS

SAMPLE COLLECTION TIME: 0900

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

Front & side yard (North side)

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.557 82379° N *Longitude* 86.803141680° W
Media description: CN0268A1 OK brn slt m-f dmp

Aliquot #2 *Latitude:* 33.55 786230° N *Longitude* 86.80314525° W
Media description: CN0268A2 same soil

Aliquot #3: *Latitude:* 33.55790304° N *Longitude* 86.80317277° W
Media description: CN0268A3 same soil

Aliquot #4: *Latitude:* 33.55789765° N *Longitude* 86.80321738° W
Media description: CN0268A4 same soil

Aliquot #5: *Latitude:* 33.55790183° N *Longitude* 86.80327968° W
Media description: CN0268A5 Same soil

STATION ID: CN0268B SAMPLE ID: CN0268B-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 [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.55 781399° N *Longitude* 86.80335594° W
Media description: CN0268B OK brn slt m-f dmp

Aliquot #2 *Latitude:* 33.55789835° N *Longitude* 86.80334320° W
Media description: CN0268B2 Same soil

Aliquot #3: *Latitude:* 33.55785822° N *Longitude* 86.80340947° W
Media description: CN0268B3 Same soil

Aliquot #4: *Latitude:* 33.55782606° N *Longitude* 86.80347407° W
Media description: CN0268B4 Same soil

Aliquot #5: *Latitude:* 33.55790669° N *Longitude* 86.80347202° W
Media description: CN0268B5 Same soil

ADDRESS: (b) (6)

PROPERTY ID: HIP0183

DATE: 11/30/12

ARRIVAL TIME 09:48

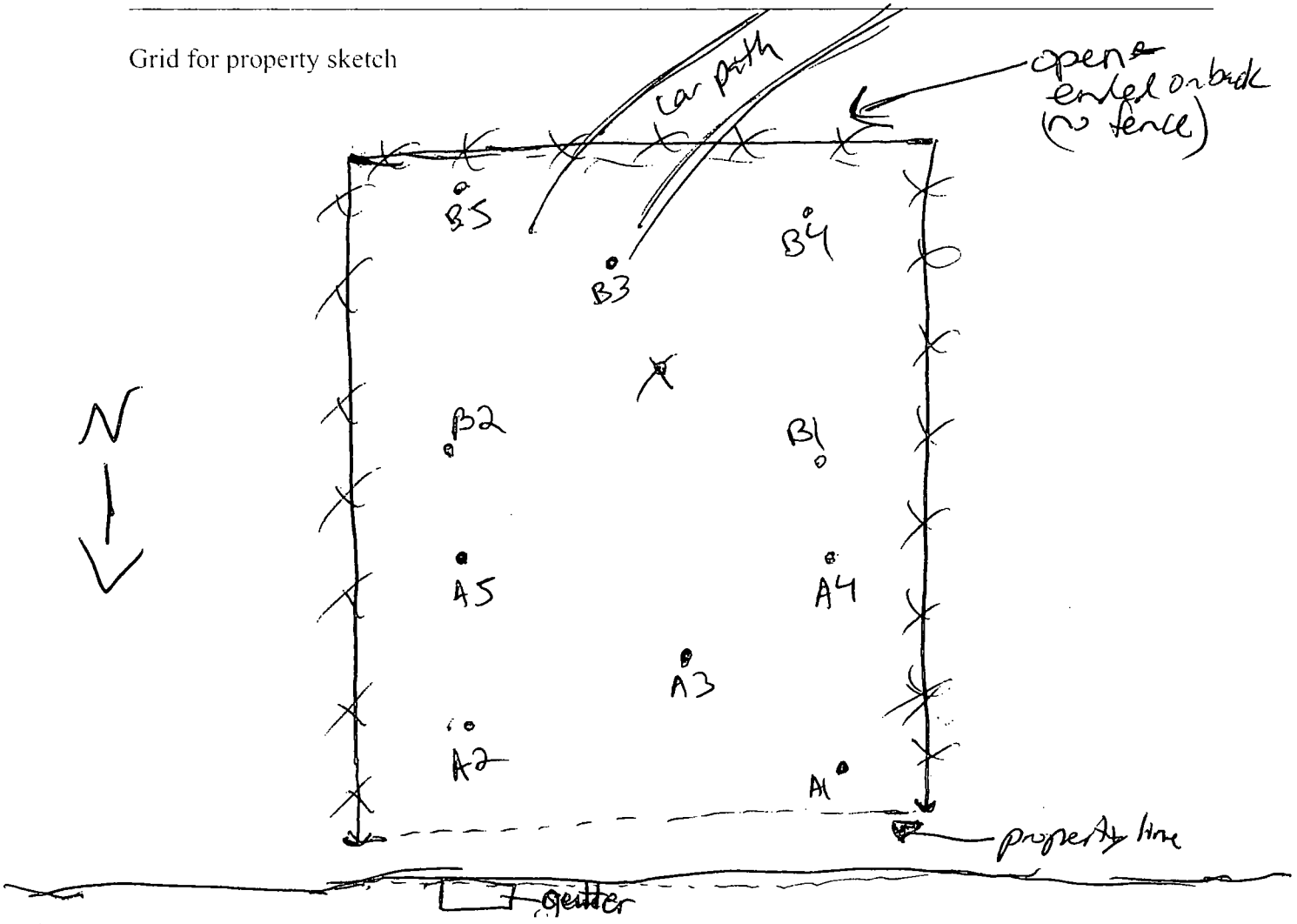
Other pertinent information (weather conditions, etc.):

mostly cloudy, cool, 55° F

PROPERTY COMMENTS:

Vacant land city parcel, adjacent to houses on either side, back SW corner adjoining to the city parcels

Grid for property sketch



(b) (6)

STATION ID: HP0183A SAMPLE ID: HP0183A-CS

SAMPLE COLLECTION TIME: 1005

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 #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56571399° N *Longitude* 86.79245025° W

Media description: HP0183A1 lt brn to brn slty CL f dmp

Aliquot #2 *Latitude:* 33.56569839° N *Longitude* 86.79236033° W

Media description: HP0183A2 Same soil

Aliquot #3: *Latitude:* 33.56560313° N *Longitude* 86.79240079° W

Media description: HP0183A3 Same soil

Aliquot #4: *Latitude:* 33.56553538° N *Longitude* 86.79244267° W

Media description: HP0183A4 Same soil

Aliquot #5: *Latitude:* 33.56554035° N *Longitude* 86.79235918° W

Media description: HP0183A5 Same soil

STATION ID: HP0183B SAMPLE ID: HP0183B-CS

SAMPLE COLLECTION TIME: 1025

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: HP0183B-CSD

GPS Coordinates: Trimble [X] Instrument #: 018581 Logged? (Y) or N

Aliquot #1: *Latitude:* 33.56546681° N *Longitude* 86.79243587° W

Media description: HP0183B1 lt brn to brn slty CL f dmp w/ gravel

Aliquot #2 *Latitude:* 33.56546476° N *Longitude* 86.79 W

Media description: HP0183B2 Same soil

Aliquot #3: *Latitude:* 33.56538602° N *Longitude* 86.79238274° W

Media description: HP0183B3 Same soil

Aliquot #4: *Latitude:* 33.56534655° N *Longitude* 86.79243447° W

Media description: HP0183B4 Same soil (very compact soil)

Aliquot #5: *Latitude:* 33.56534954° N *Longitude* 86.79233642° W

Media description: HP0184B5 Same soil ~~very compact soil~~

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