

REDACTED

United States Environmental Protection Agency
Region 4



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

FIELD SAMPLING LOGBOOK

Book 1 of

Inclusive Dates: 01-21-13 to 01/25/2013

List of Sampling Team in logbook:

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

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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 (SED) 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 SED 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 SED 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.

H20320

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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.

(b) (6)

ADDRESS:

PROPERTY ID:

HP0320

DATE:

1/21/13

ARRIVAL TIME:

0930

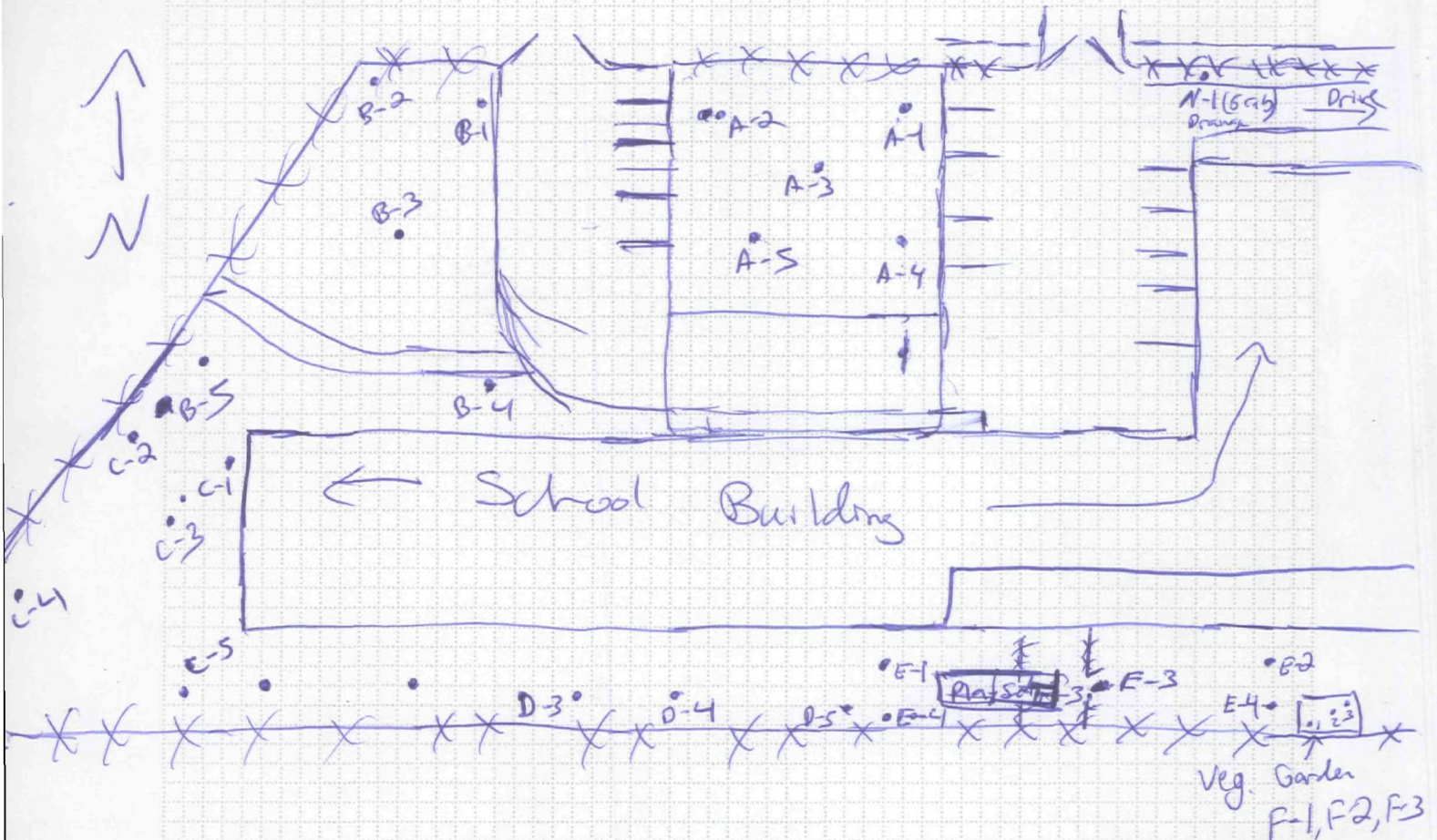
Other pertinent information (weather conditions, etc.):

47°F, Sunny

PROPERTY COMMENTS:

School

Grid for property sketch



STATION ID: HP0320A SAMPLE ID: HP0320A-CS

SAMPLE COLLECTION TIME: 0941

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Sandy med brown clay mixture

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: sandy med brown clay mixture

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Sandy med brown clay mixture

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Sandy med brown clay mixture

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Sandy med brown clay mixture

STATION ID: HP0320B SAMPLE ID: HP0320B-CS

SAMPLE COLLECTION TIME: 0949

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

ADDRESS: _____ PROPERTY ID: HP0320

DATE: 1/21/13 ARRIVAL TIME: 0930

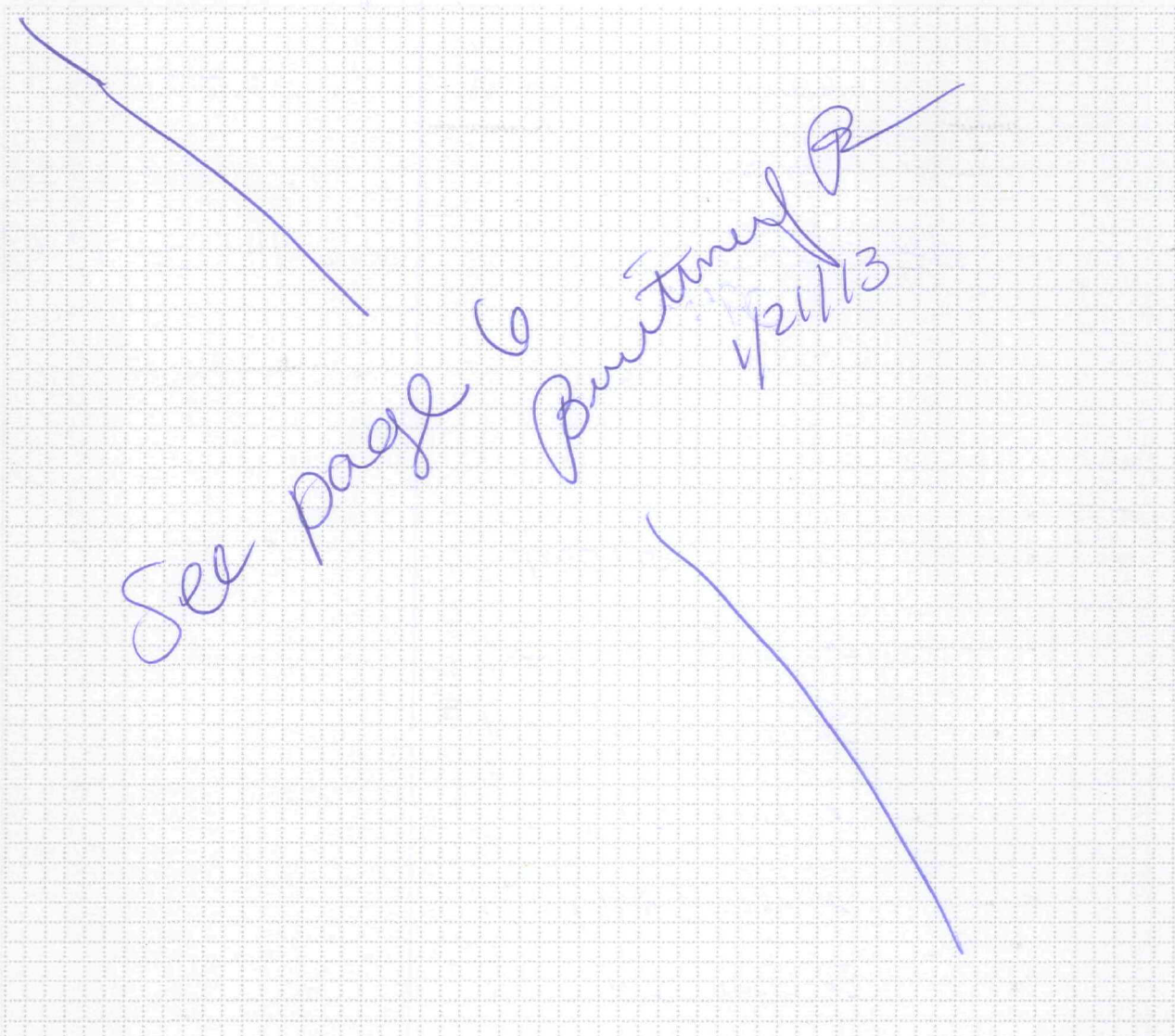
Other pertinent information (weather conditions, etc.):

47° Sunny

PROPERTY COMMENTS:

School

Grid for property sketch



STATION ID: HP0320C SAMPLE ID: HP0320C-CS

SAMPLE COLLECTION TIME: 1000

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 [☒] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: med brown clay mixture w/ gravel

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: med brown clay mixture w/ gravel

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: med brown clay mixture w/ gravel

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: med brown clay mixture w/ gravel

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: med brown clay mixture w/ gravel

STATION ID: HP0320D SAMPLE ID: HP0320D-CS

SAMPLE COLLECTION TIME: 0954

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brwn soil sandy

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: DK brwn soil sandy

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: BLK soil sandy

ADDRESS: _____ PROPERTY ID: HPO320

DATE: 1/21/13 ARRIVAL TIME: 0930

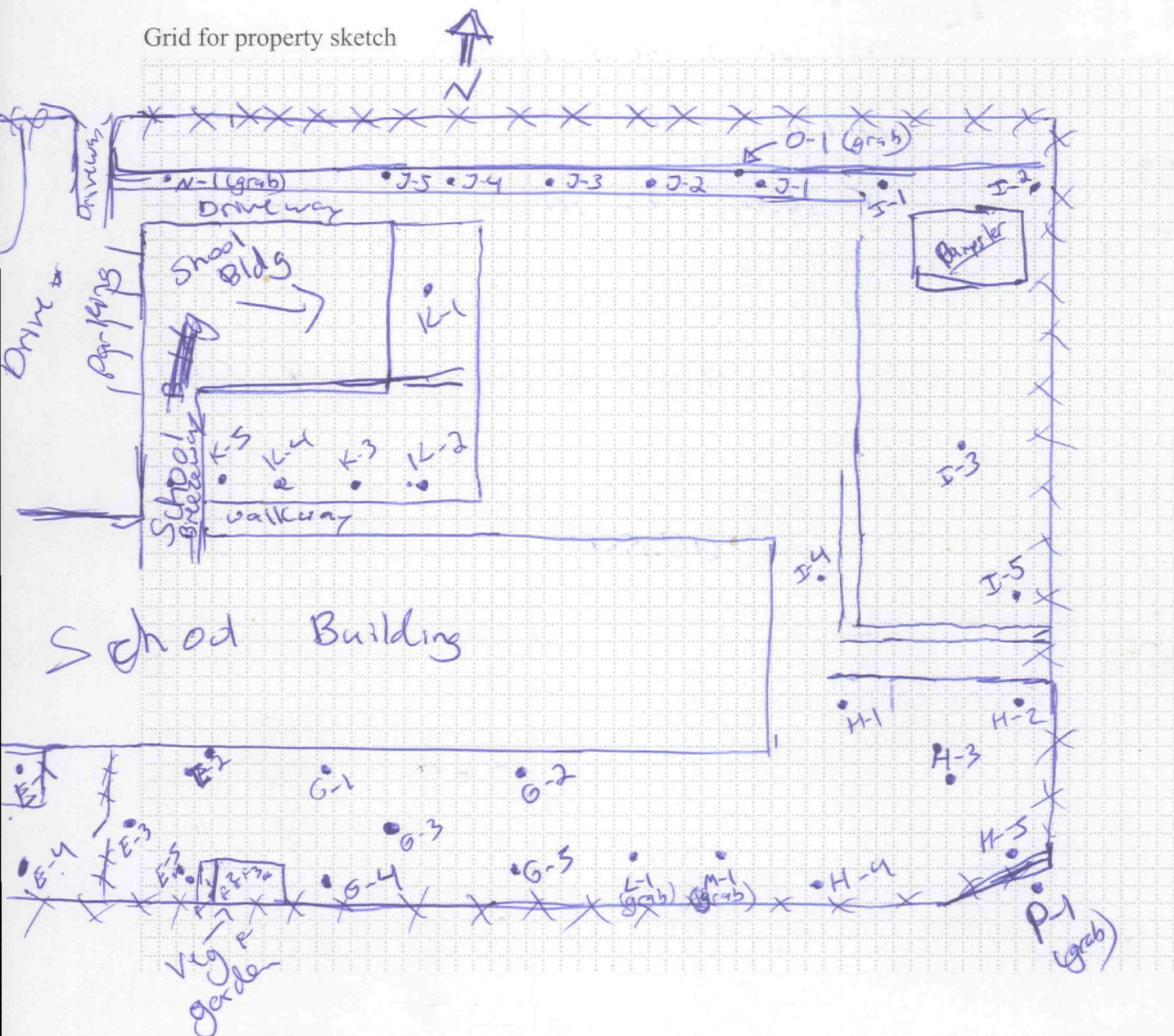
Other pertinent information (weather conditions, etc.):

47°F, Sunny

PROPERTY COMMENTS:

School

Grid for property sketch



STATION ID: HP0320E SAMPLE ID: HP0320E-CS

SAMPLE COLLECTION TIME: 1009

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 #: 018594 Logged? Y or N

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

Media description: DK brown silty soil

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: DK brown silty soil

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

Media description: DK brown silty soil

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

Media description: DK brown silty soil

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

Media description: DK brown silty soil

STATION ID: HP0320F SAMPLE ID: HP0320F-CS

SAMPLE COLLECTION TIME: 1013

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 #: 018594 Logged? Y or N

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

Media description: Brown soil w/ bits of gravel

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: Brown soil w/ bits of gravel

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

Media description: Brown soil w/ bits of gravel

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

Media description: _____

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

Media description: _____

ADDRESS: _____ PROPERTY ID: HP0320

DATE: 1/21/13 ARRIVAL TIME: 0930

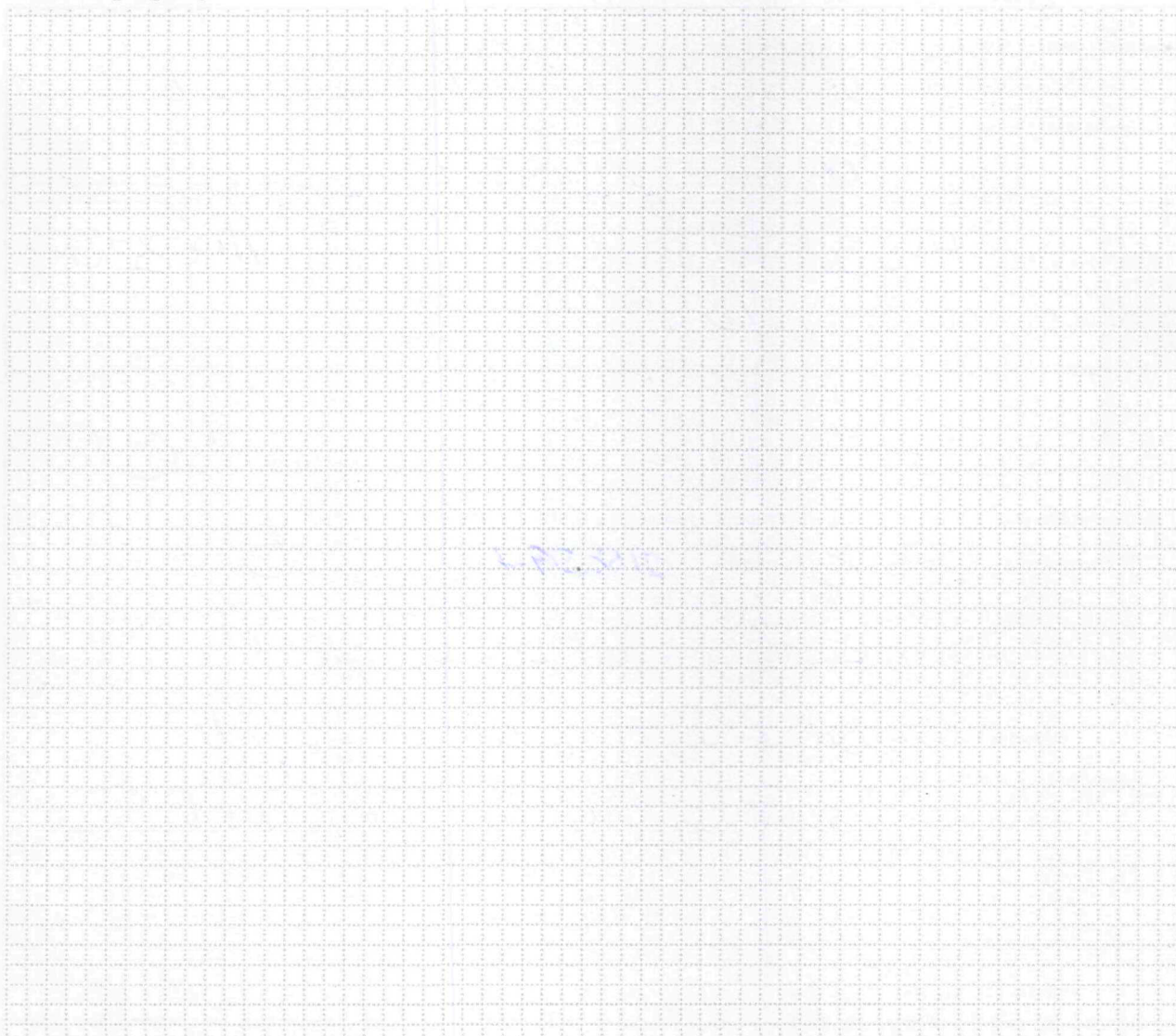
Other pertinent information (weather conditions, etc.):

Sunny, 47°F

PROPERTY COMMENTS:

School

Grid for property sketch



STATION ID: HP0320G SAMPLE ID: HP0320G-CS

SAMPLE COLLECTION TIME: 1017

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 #: 018594 Logged? Y or N

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

Media description: med brwn sand silt mixture w/ gravel

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: med brwn sand silt mixture w/ gravel

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

Media description: med brwn sand silt mixture w/ gravel

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

Media description: med brwn sand silt mixture w/ gravel

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

Media description: med brwn sand silt mixture w/ gravel

STATION ID: HP0320H SAMPLE ID: HP0320H-CS

SAMPLE COLLECTION TIME: 1019

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 #: 018594 Logged? Y or N

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

Media description: DK brwn black stained silty clay wet

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: DK brwn blk stained silty clay wet

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

Media description: Brwn silty clay w/ coal fragments wet

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

Media description: Brwn silty clay w/ coal fragments wet

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

Media description: Brwn silty clay w/ coal fragments wet

ADDRESS: _____ PROPERTY ID: HP03

DATE: 1/21/13 ARRIVAL TIME: 0930

Other pertinent information (weather conditions, etc.):

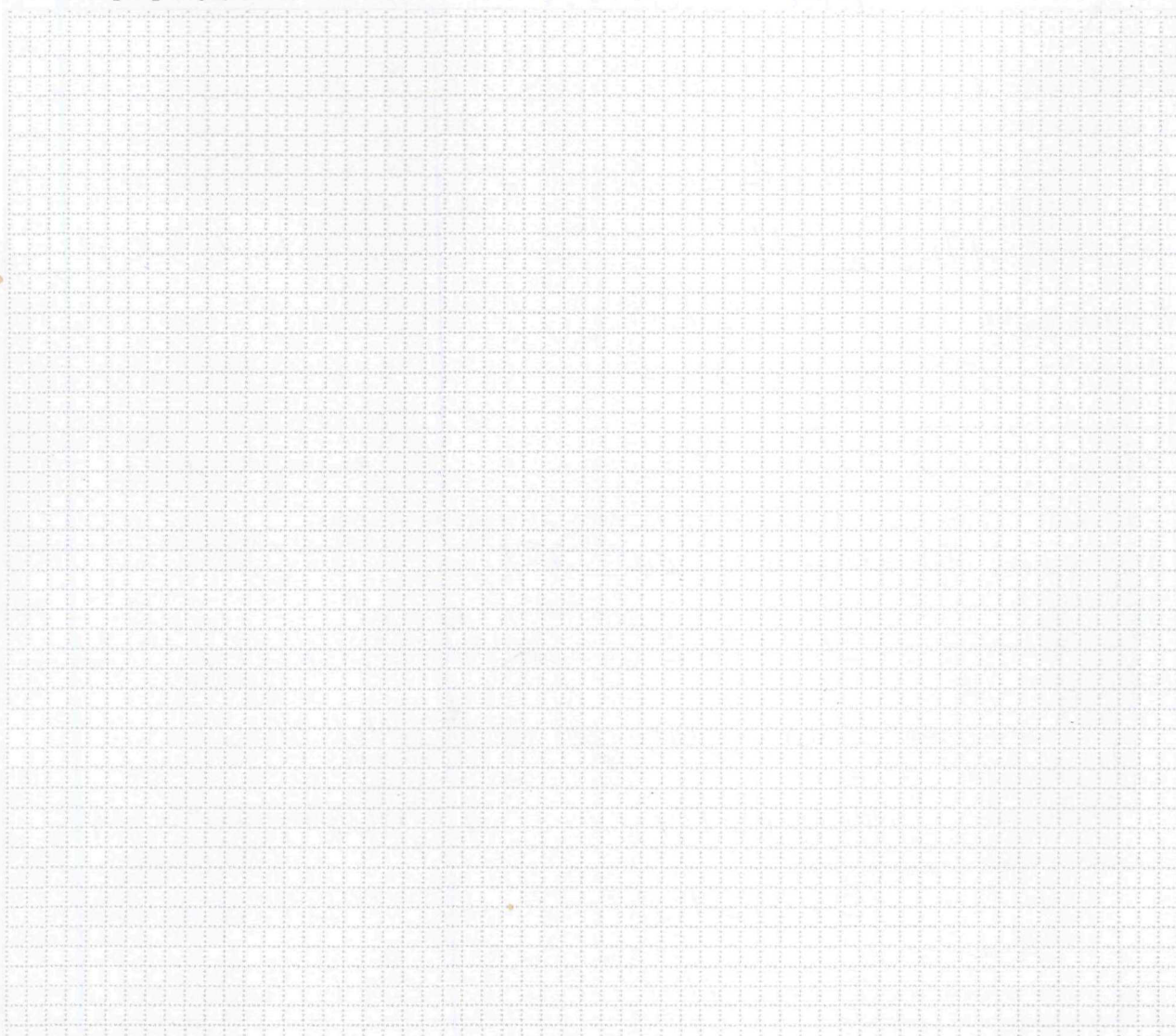
47°F, Sunny

PROPERTY COMMENTS:

School

01234

Grid for property sketch



STATION ID: HP0320I SAMPLE ID: HP0320I-CS

SAMPLE COLLECTION TIME: 1024

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Black silty soil

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: DK brown silty soil

STATION ID: HP0320J SAMPLE ID: HP0320J-CS

SAMPLE COLLECTION TIME: 1022

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brown to black silty soil w/ gravel

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: DK brown to black silty soil w/ gravel

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: DK brown to black silty soil w/ gravel

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brown to blk silty soil w/ gravel

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: DK brown to blk silty soil w/ gravel

ADDRESS: _____ PROPERTY ID: _____

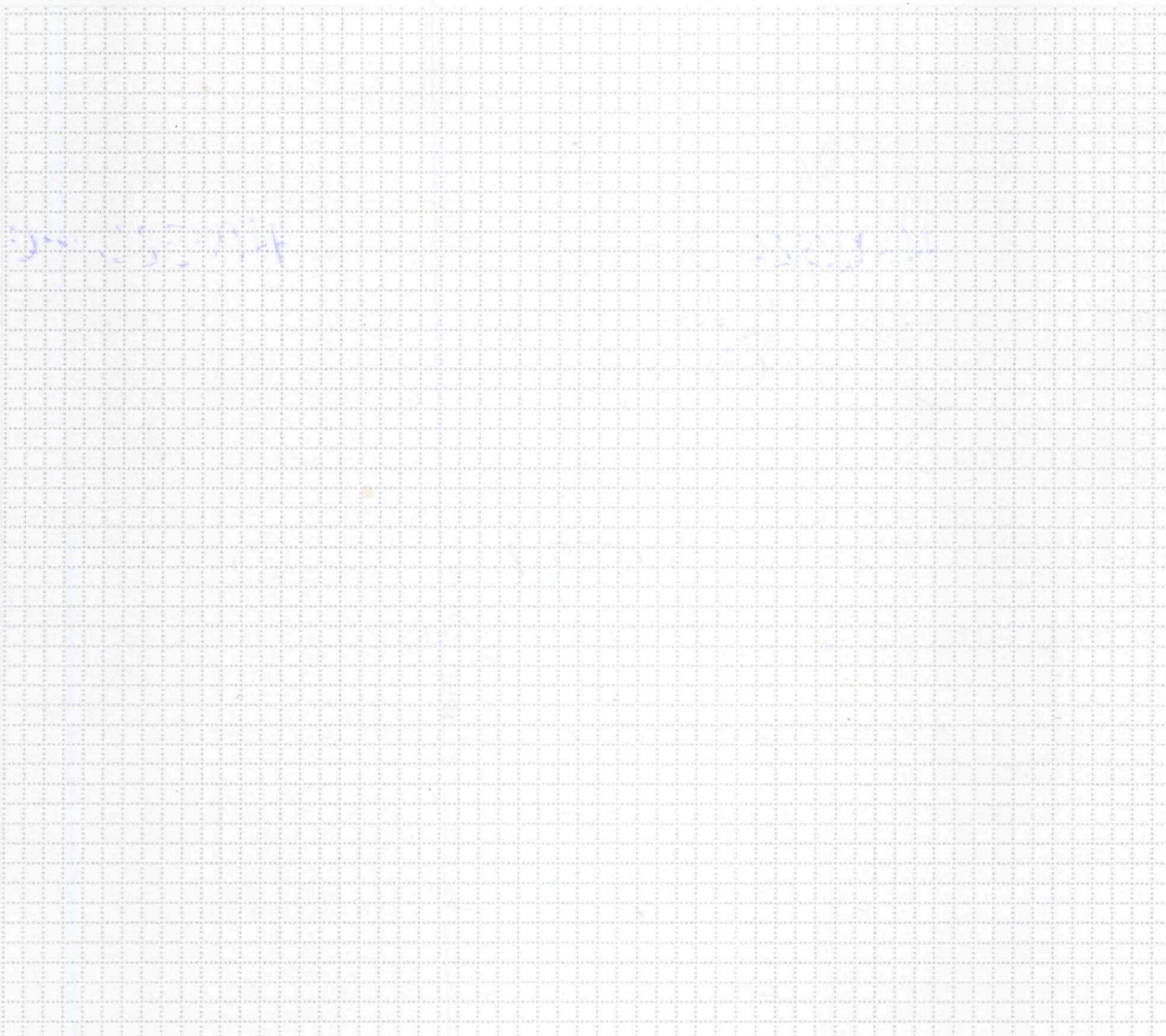
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grab HP0320L taken base of children slide there was
a clay layer & plastic layer beneath the gravel

Grid for property sketch



STATION ID: HP0320 K SAMPLE ID: HP0320K-CS

SAMPLE COLLECTION TIME: 1028

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 #: 018594 Logged? (Y) or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brown to blk silty clay to silt wet

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

STATION ID: HP0320 L SAMPLE ID: HP0320L-~~CS~~ GS

SAMPLE COLLECTION TIME: 1043

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 #: 018594 Logged? (Y) or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: reddish brown clay w/ gravel + sand

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: _____

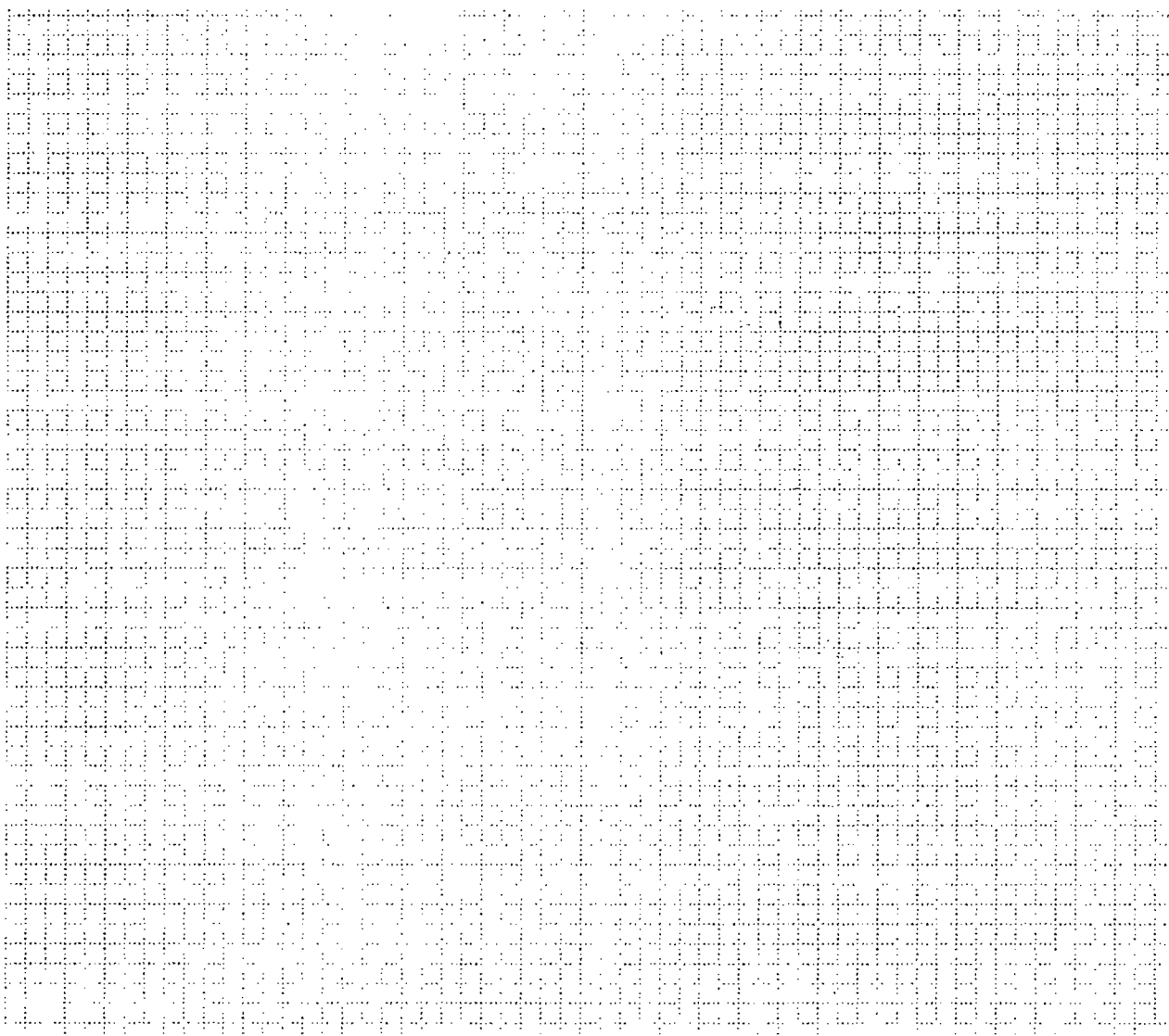
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0320 M SAMPLE ID: HP0320M-GS

SAMPLE COLLECTION TIME: 1050

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

Playground in front jungle gym

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Red clay with coal fragments damp

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: HP0320 N SAMPLE ID: HP0320N-GS

SAMPLE COLLECTION TIME: 1040

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

Drainage next to vent

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 #: 018894 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Black silty sediment wet

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

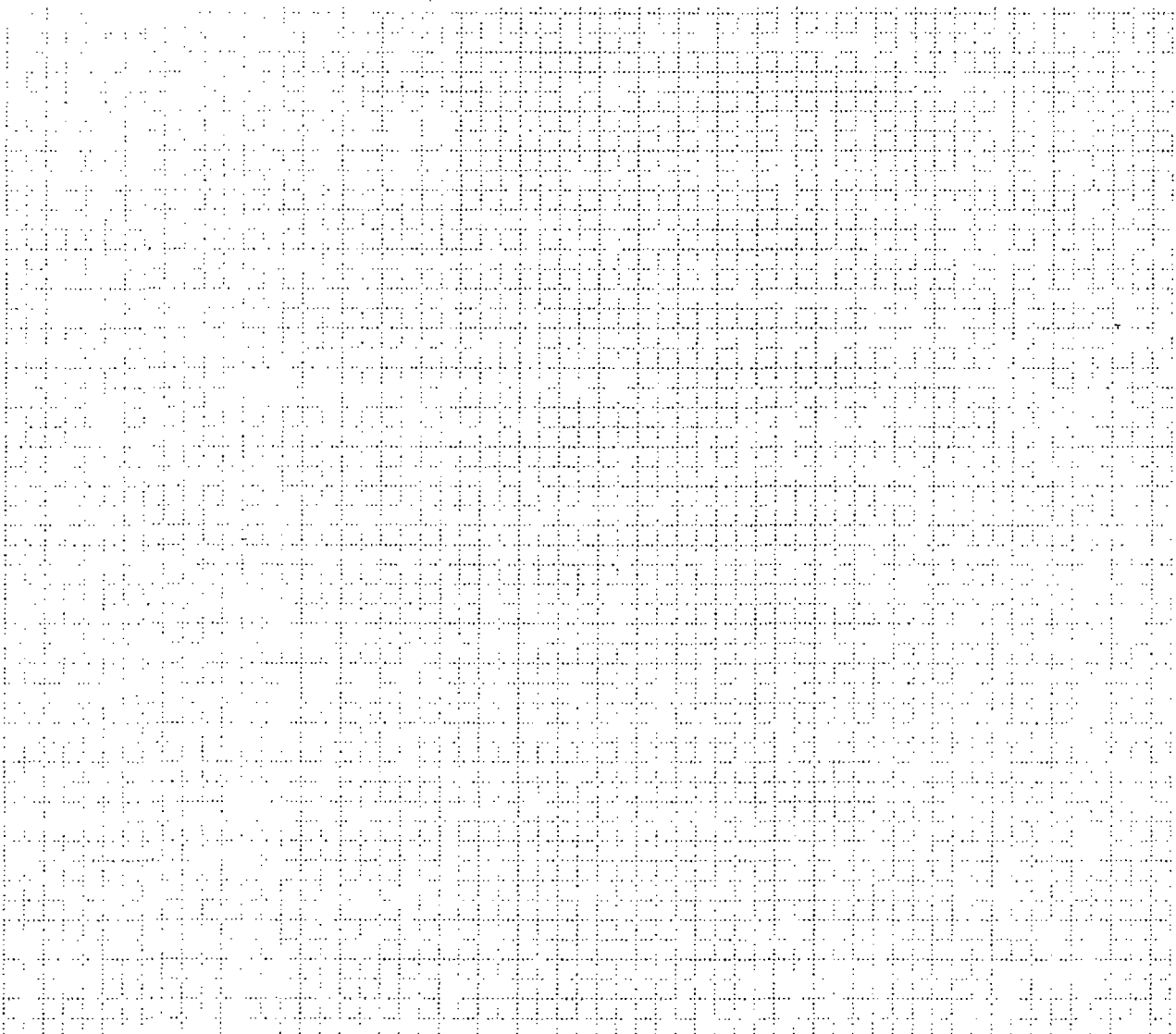
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0320 O SAMPLE ID: HP0320-GS

SAMPLE COLLECTION TIME: 1035

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

Drainage next to culvert

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brwn Sandy soil damp

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: HP0320 P SAMPLE ID: HP0320P-GS

SAMPLE COLLECTION TIME: 1047

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

outside of Fence ; drainage area SE of school on property

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 #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Brown silty soil wet

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

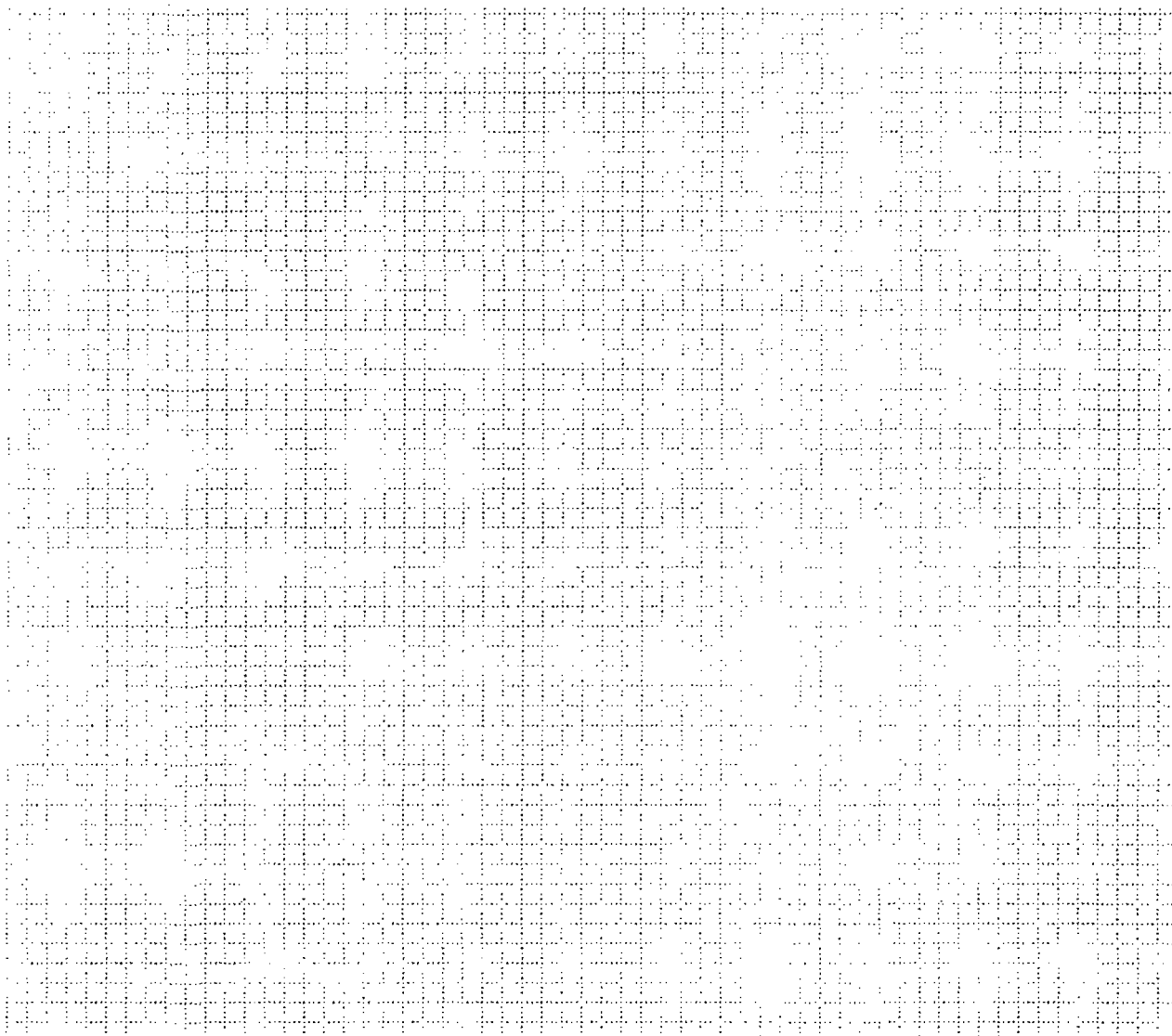
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0320 Q SAMPLE ID: HP0320Q-CS

SAMPLE COLLECTION TIME: 1127

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: HP0320Q @ 1130

GPS Coordinates: Trimble [☒] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay wet

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: DK brwn clay wet

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay wet

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay wet

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: DK brwn clay wet

STATION ID: HP0320 R SAMPLE ID: HP0320R-CS

SAMPLE COLLECTION TIME: 1141

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: HP0320R @ 1145

GPS Coordinates: Trimble [☒] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: Sandy clay med brwn

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: Sandy clay med brwn

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: Sandy clay med brwn

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: Sandy clay med brwn

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: Sandy clay med brwn

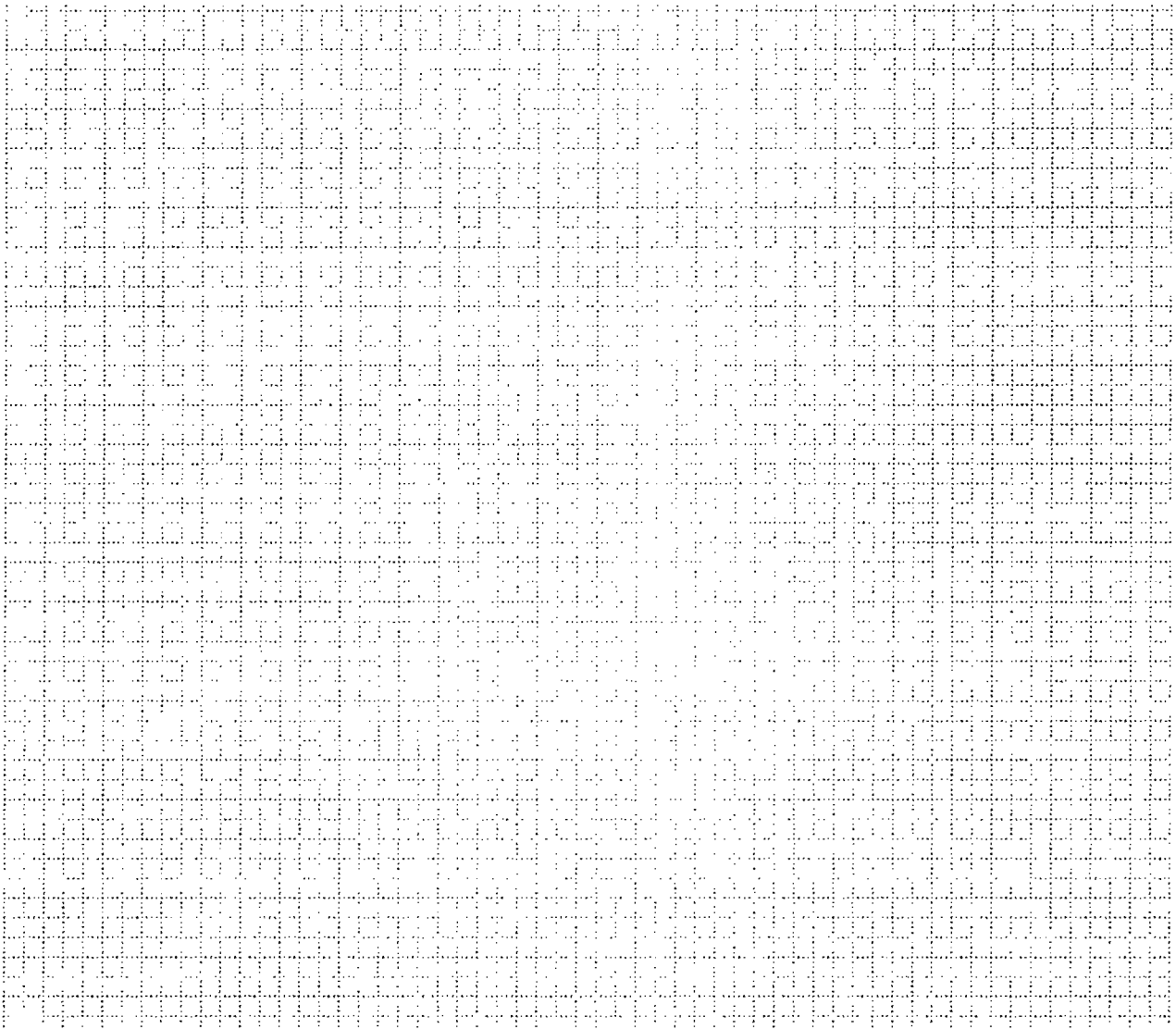
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0320 S SAMPLE ID: HP0320S-CS

SAMPLE COLLECTION TIME: 1132

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 #: 018594 Logged? ☒ Y or N

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

Media description: DK brun wet clay w/ coal fragments

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: DK brun wet clay w/ coal fragments

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

Media description: DK brun wet clay w/ coal fragments

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

Media description: DK brun wet clay w/ coal fragments

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

Media description: Brun mud & clay

STATION ID: HP0320 T SAMPLE ID: HP0320T-CS

SAMPLE COLLECTION TIME: 1138

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 #: 018594 Logged? ☒ Y or N

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

Media description: Brun clay

Aliquot #2 Latitude: _____ N Longitude: _____ W

Media description: Brun clay

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

Media description: Brun clay

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

Media description: Brun clay

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

Media description: Brun clay

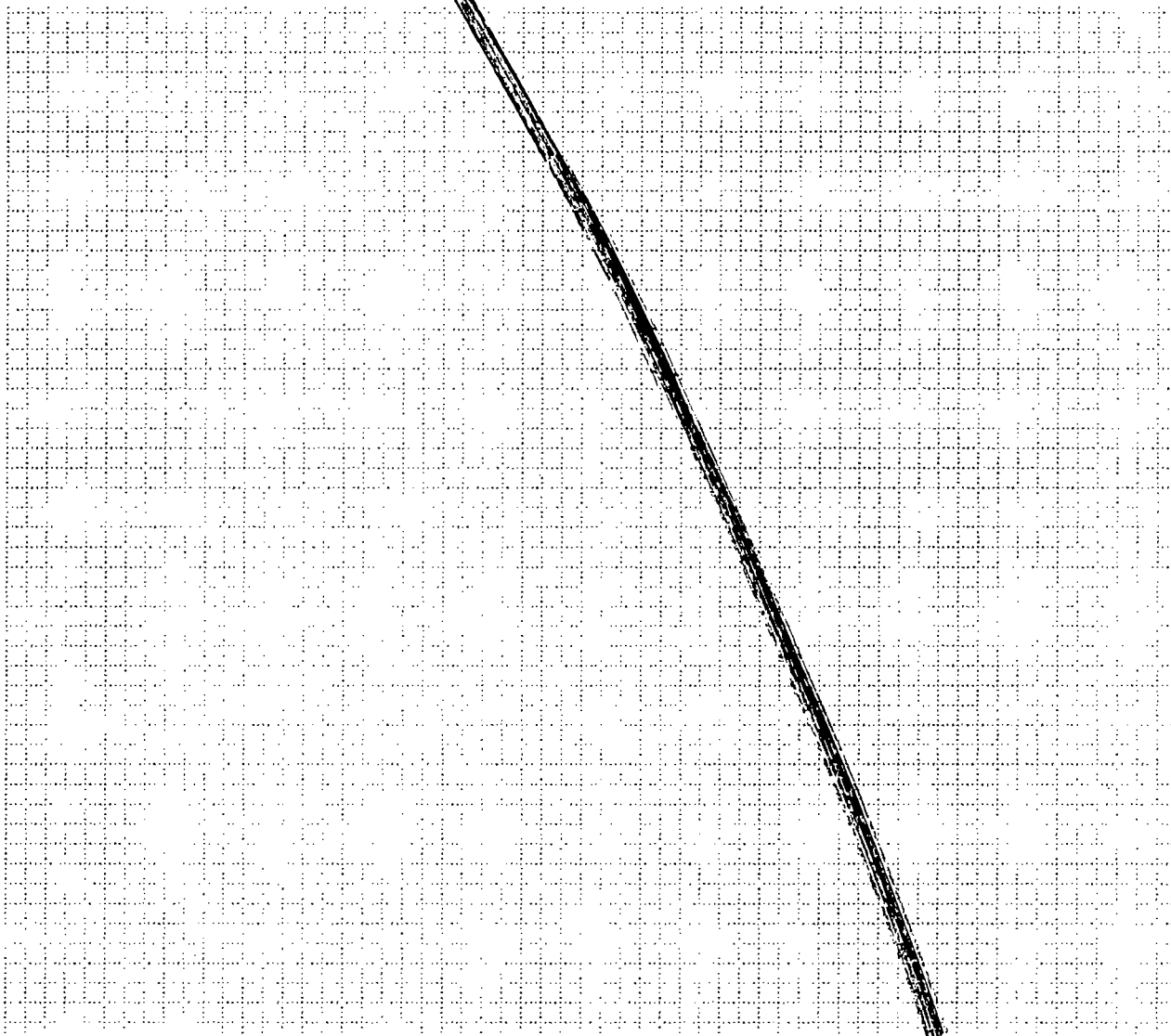
ADDRESS: _____ PROPERTY ID: _____

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.