Conasuaga Limestone
Trailer Park mostly metal roofs

4 mi walking

Billy chief Hewitt Park
alternate location.

9908 Pape Avenue
off of Airport Road.
Pine Knoll Vista Comm.
off Lawson Rd.

Dr. Ruth M. Strong

205-841-4256
12:00 Noon est.

#3 background. Probably in
~~Ketona~~ Knox Dolomite.
out crops massive dolomite

33.59872
86.73506

9-10-18
1:30 PM Robbinwood
Community looking for
4th sampling location

304 SST (1st choice)
33.61243
86.74873

9/10/2010 9:04 am CST

Kevin Simmons } car 1
Jim Smith

Stephanie Parks } car 2
Karen Knight

Turned around at Pinson

33° 39' 51.1"
86° 42' 09.8"

Jefferson State Community College Pavillion 200 yds from 79 towards Pinson. 9 miles from ABC Lake

Soil has abundant chert

Across 79 to Nare reddish orange soil with chert.

Sun Valley Neighborhood

Jefferson State Parkway

went across Valley on Carson Road
Doubled back on Red Carson Road

Opossum Valley heavily industrialized

Pawnee Heights Rd & 79 Smiles from Walter Cohe

~~Larry~~

Frank Rushowner

Travis Maxi

Battery Operation on other side of Creek. Shut down 10 years ago.

33.6472° 86°.72196

Travis ~~Maxey~~ Maxey
4340 Pinson Valley ~~Rd~~ Pkwy
Birmingham
Alabama 35215
334-332-5111

11:45 Est

Sample Crew: Kevin Simmons
Jim Smith

9-22-10 2:04 EST

Jefferson Community Park
Recollections with CH_2M Hill
met with Michael C. Stichley
205-326-8912 x 59390
He gave us the results of
CH_2M Hill's residential
recon for properties similar
to AOCs.

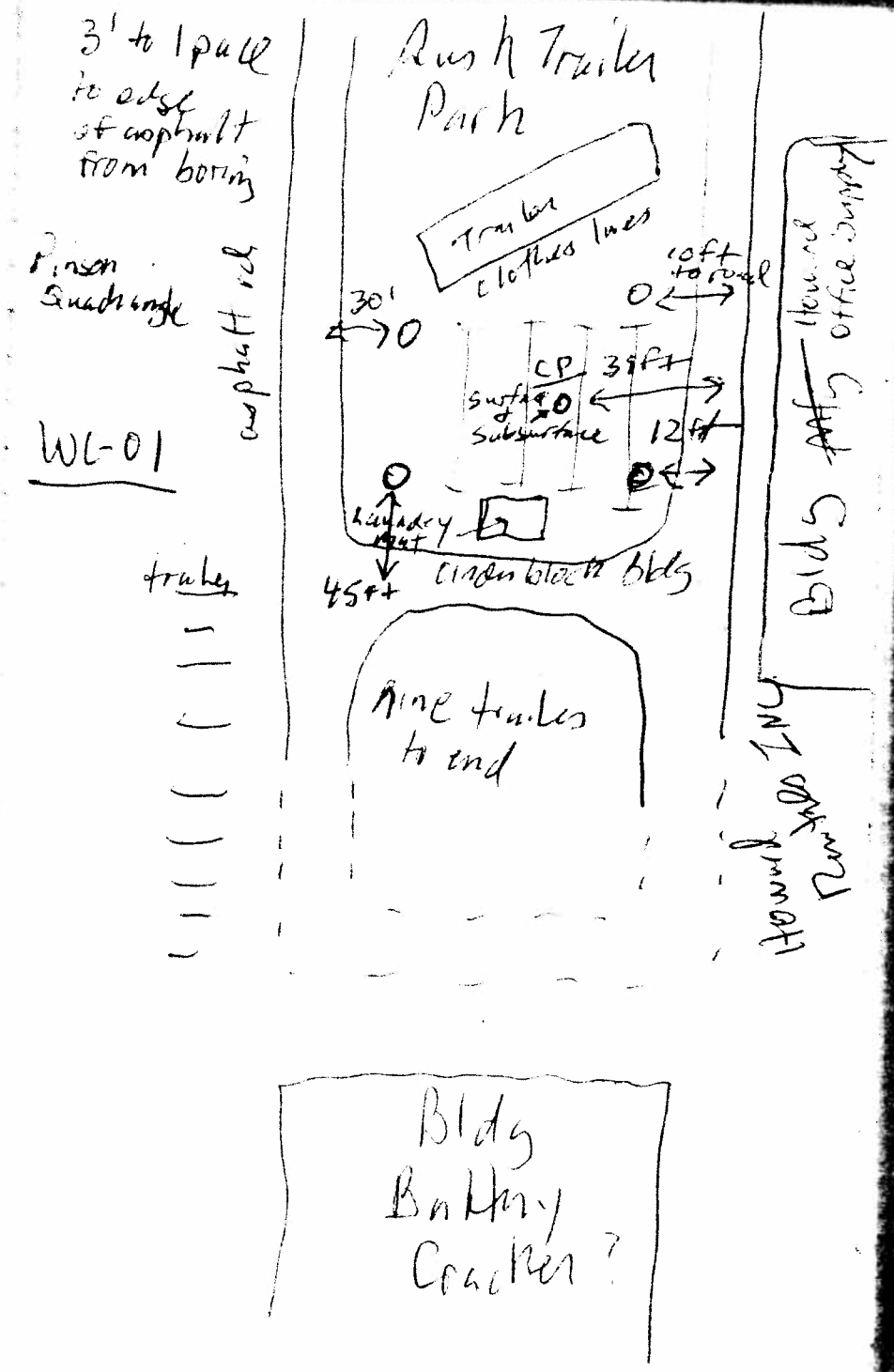
2:26 at Rush Trailer Park (WG-01)

2:36 collect sample - spt composite
soil light brown with rock
fragments. Dry soil - grass/roots
(loam soil) (appears to be a loam)
lyt - 3 samples similar characteristics
& 2 samples similar to previous

Sample * ~~maybe~~ is likely in the Ketona
Dolomite (verify) ~~or Conasauga~~
contact parallel to 79 is not marked on
Irondale Road.

~~Finish Sampling~~

A-TEAM (Access Agreement) Karen Knight
Meredith Anderson



2:30 meeting Debrief

- Discussed proposed locations for 4 control samples
- Kelly wanted to know about anthropogenic background
- Asked if we will take 5 point composite.
- It was stated that EPA would sample 5 point composite and do sieved & unsieved for Arsenic 250 micron mesh.

(Sample top 6" & 2 & 3')

9/13/10

Owens Corning

Worked from 7:00 - 7:15 or so est.
Pick up car 8:30 or so est.
Drive to Matt's house 10:30 am
Drive to Anderson
lunch Matt & Jim
Go to site look at wells
Come back to hotel 5:10 pm
work until 5:34 "Results Based CA"
Meet at 5:40 PM Go to Public Meeting
Finished @ 8:20 PM
Drive back to hotel

3:10 PM EST Rush Trailer Park
Subsurface Sample 2-3 feet deep - at the center point sample location.
Sample is becoming clayey at 2 feet
Sample obtained from 2-3' silty Clayey soil
Field Decon 3:20 PM

(1)

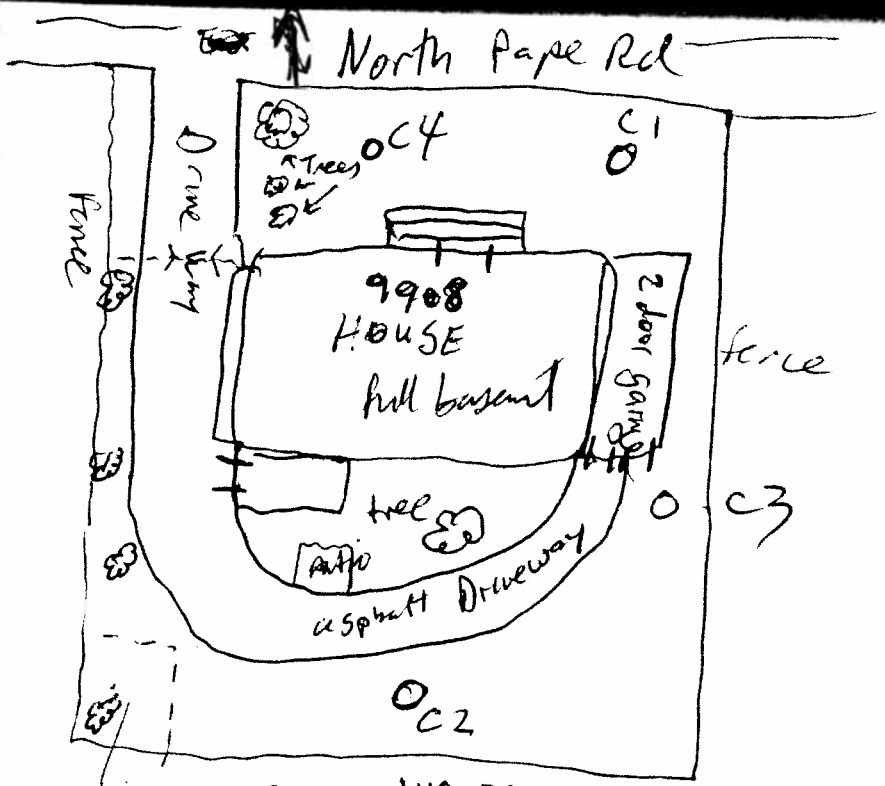
4 photos WC-02 Sample ID

9/22/10 3:42 EST Dr. Ruth Strong
9908 Pape Avenue
Sampling at 3:58 PM EST
2 photos hole & yard front

Soil light brown loam with chert 1" to 3"
C2 light brown/grey/ soil 3" to 6"

C3 1 to 3" medium brown soil (top soil) 3" to 6" lighter brown
2 photos?

C4 1 photo 4:11 PM light brown loam soil



WC-02
1-4pt composite

C1 light brown loamy soil

At C3 attempting to take a sample 2-3 feet

Could only bore to 1 foot. No sample taken from 2 to 3 feet.

Residual soils - some landscaping overlying Knox Dolomite
leave at 5:05 PM

Sample ID WC-03

5:28 Robbinwood Grocery

3rd St. 5-composite

Probably 800' from 79

Church on corner of 3rd & 79

Ketona Dolomite

C-1 Soil appears to be fill bottle cap, rock glass, asphalt clumps. Moved over 7 feet

C-1 Alt. Dark grey dirt with pieces of brick, glass, concrete chert weathered chert 3"

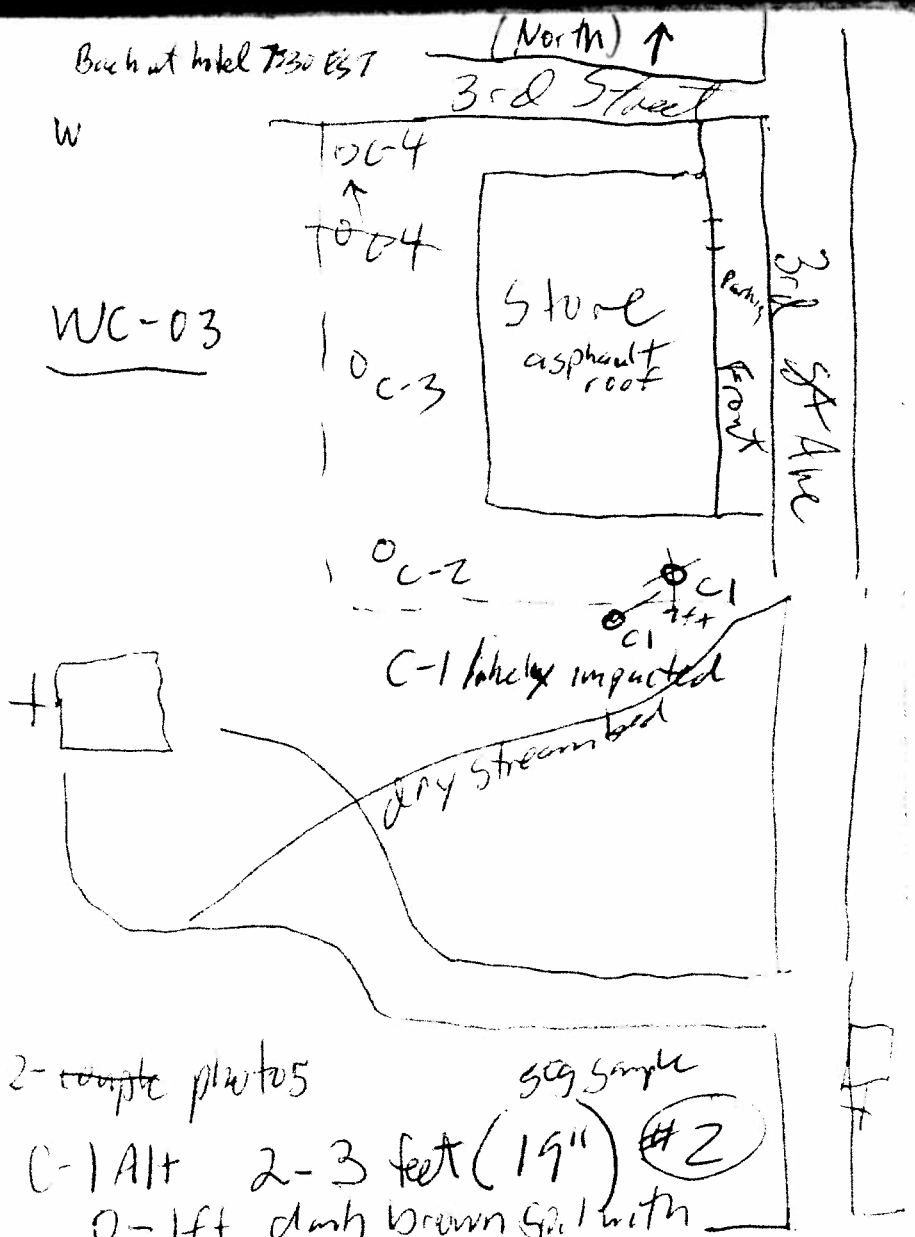
C-2 lighter colored sandy brown chert. No debris as in C-1

C-3 Sandy brown with chert + rock fragment. Minor amounts of glass Possible fill

C-4 Sand brown loam with chert gravel. Hit big rock

C-4 Alt light grey topsoil little

6:11 PM EST Glass powder fine with gravel rock fragments



2- ~~couple~~ photos

seg sample

C-1 Alt 2-3 feet (19") #2

0-1ft dark brown soil with chert fragments

1-1.5 ft Grey Brown loam with chert (Fill) Electrical insulator fragment

19" deep sample @ refusal

Robbinwood

Note: 1 landowner said locals burned coal.

Not natural soils at Robbinwood Grocery C-1 fill
Check-in hotel 7:47 EST

9/23 ~~am~~ EST 8:43 am

Drove around to properties with access agreements
Sample ID-WC-04

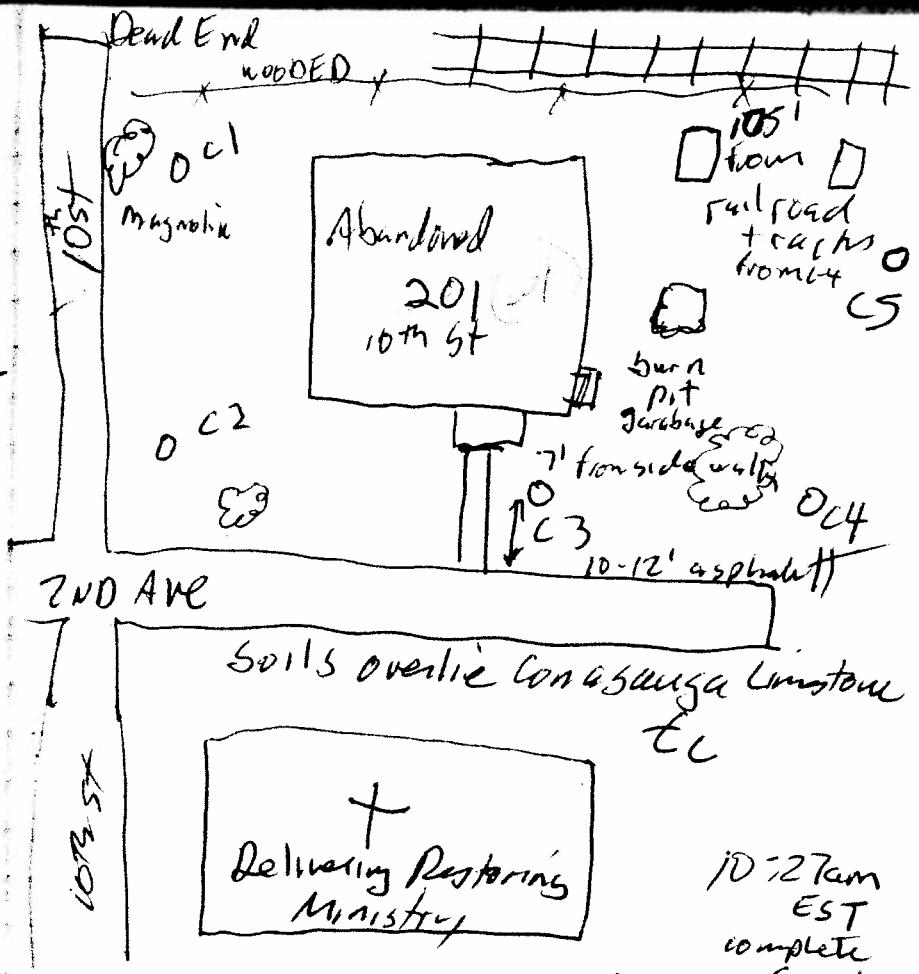
C-1 Rich dark brown top soil loam
Owner is Billie McAndrews

C-2 Rich dk br top soil loam

C-3 Rich dk br top soil very few rocks

C-4 " " " " "
" " same above

C-5 " " " "
easy digging
little piece of glass



10:27 am EST complete sampling

Five point composite
201 - asphalt roof
burn pit in yard
OC-4 75' est from railroad track
property borders railroad track
property - Ply panelling

Sample from 2-3 feet (3) 60' from railroad tracks
Reddish brown loam soil
Orange
Soil harder from 2-3 feet loose soil orange brown

4-23-10

Robbinwood

Beverly Boatner
201 10th St. (Green House)
Owner is Billie McAndrews
10:40AM EST

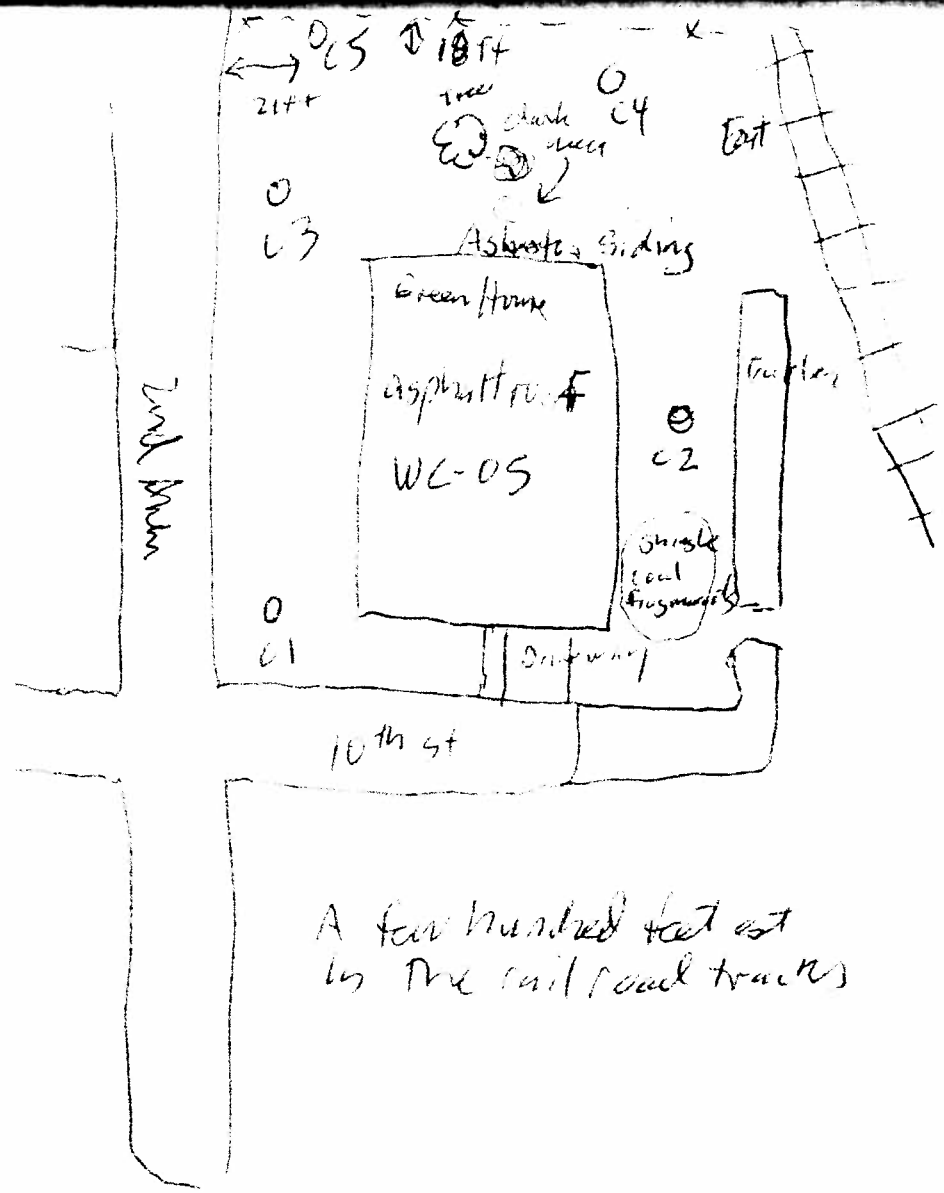
WC-05

0-6"

C-1 Medium brown soil
1-rounded pebble Quartz
C-2 medium brown soil
dark refractory glass a few fragments;
small coal fragments (a couple)
C-3 medium brown soil

C-4 medium brown soil

C-5 medium brown soil
Samples bottled at 11:07



A few hundred feet east
to the rail road tracks

9-23-10 11:25am EST

Maria Nunez-(Tenant)
Billie McAndrews (owner)

Address: 9 8th Street
Robbinwood.
WC-06

Railroad track behind house.
Industry with heavy machinery.
? ~~Prestress concrete pipe company.~~
(verify)
Geologic formation = according to Irondale
Quad Conasauga Limestone ϵ_c

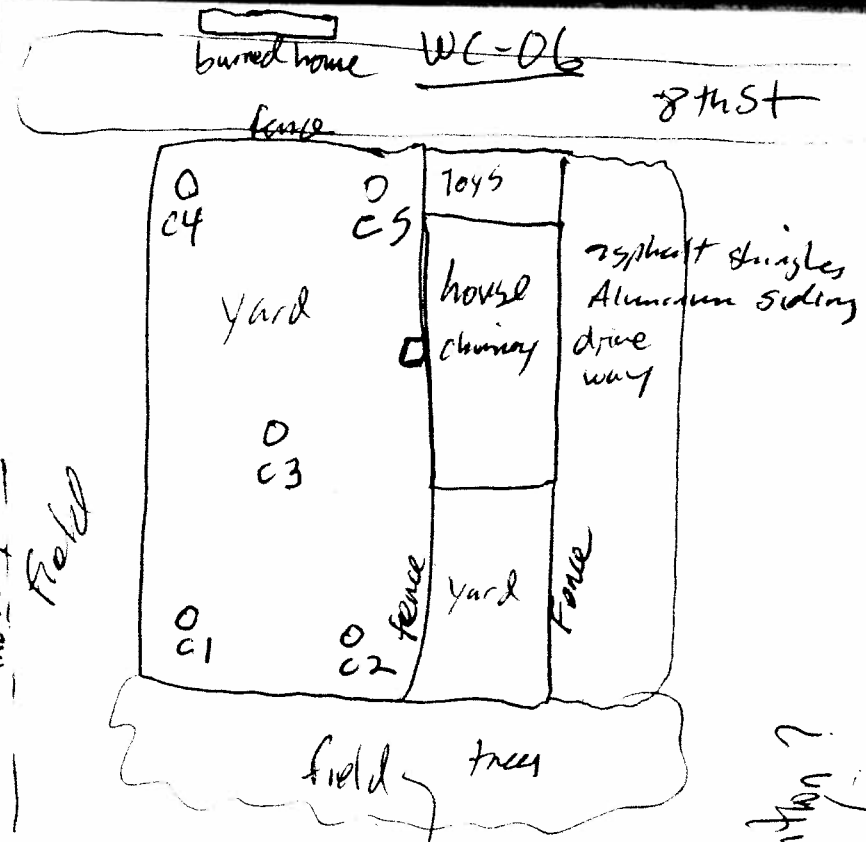
C-1 0-6" light to medium brown soil
No rock

C-2 0-6" ~~dra~~ light grey / orangish medium brown bottom of hole.
No rock

C-3 0-6" light to medium brown
No rock

C-4 0-6" light to medium brown

C-5 0-6" Orangish brown moist soil with chert



1-photo sampling area
1-photo kevin walking away
1-photo of house
1-photo of burned out house
(11:49 am)

Orientation ?

C-3 for 2-3ft sample (4)
0-6" light brown (Native soil)
6-1ft orange clay
1-2ft orange clay

1-photo orange clay plastic clay
2-3' orange clay sandy brown clay
black-grey pellets (organics)

9-23-10 WC-7

Decided not to use property with burned out house. Too much garbage behind house 12:41 PM EST

11th Street between 2nd & 3rd Avenue
Three little houses on small yards
House # 100, 102 104 11th St.

104 Red house metal roof
102 brown house shingle roof
100 green house shingle roof
} photo of these

(Red house has singles side & backyard garbage)

Conasauga Limestone underlying residual soil

0-6"

C-1 light brown soil

C-2 light brown soil

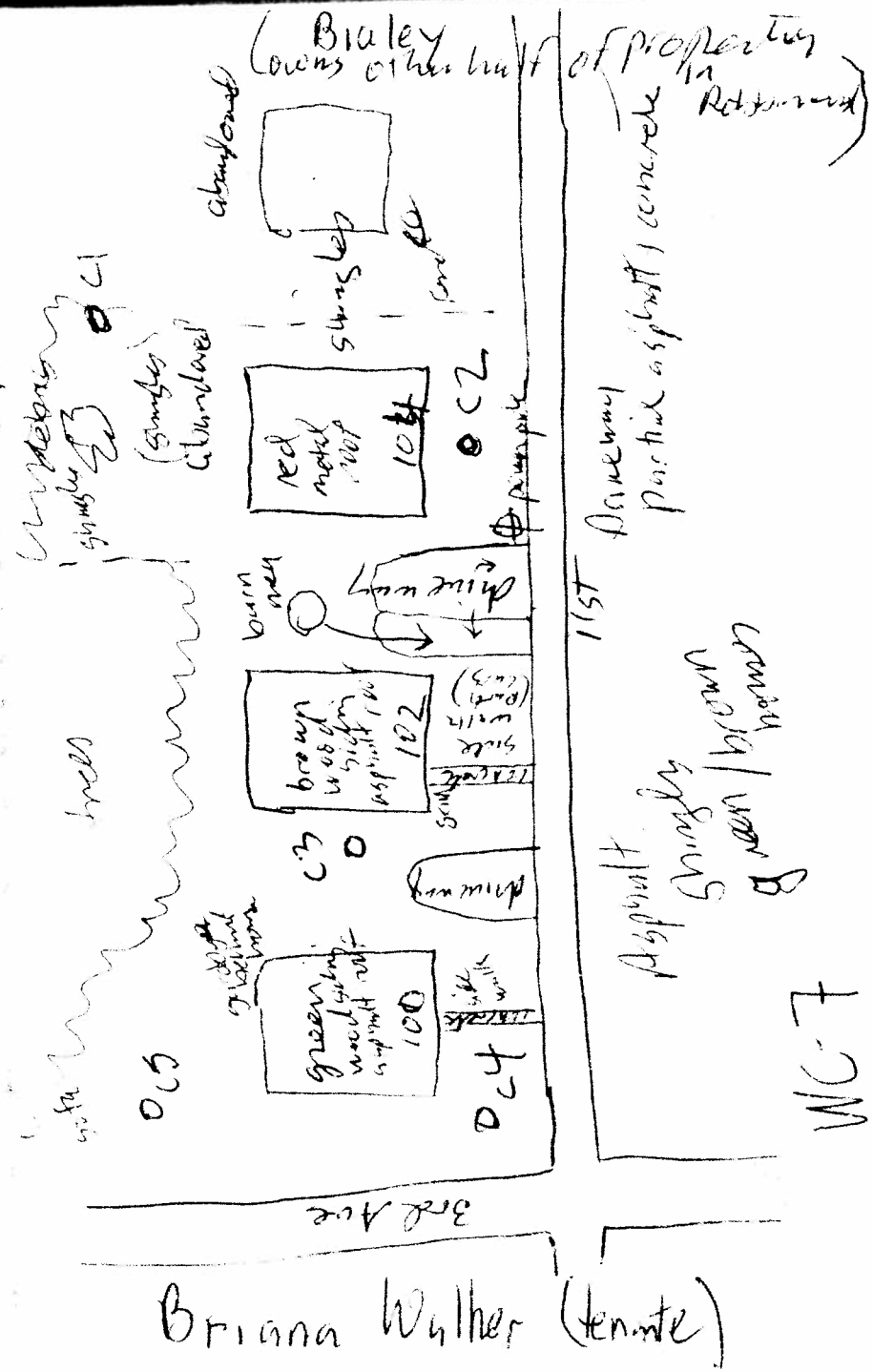
C-3 light brown soil (rocky soil)

C-4 light brown soil (chunky)

1:13 PM EST

Karen called on her recon of CH_2M Hill's property East of airport

C-5 light brown soil



WC-7 (5)

C-4 will 2-3' deep sample
1-photo in front of green house

Natural Soil Soil ~~red~~ orange clay with small rock fragments some chert
dry clay / friable / round iron oxide
pellets? Largest 1/2" diameter
across street nice home

Juan Martinez 102 11th street
~~Tenante~~ ~~Tennant~~
Tenant

1:50PM EST

lunch

~~OSW-8~~ WC-8 2:55PM
Semestress Property
516 4th Street Fabric Shop
Billie McAndrews Owner
met John Dipiazza Sr Sanitation + ordnance Inspector Jefferson County

Owned by - Billie McAndrews
Rock outcrop - Ketona Dolomite -

C-1 light to md brown soil with chert
Glass rock fragments

C-2 light to medium brown
coal fragment vitrane

C-3 near bamboo
fine soil ~~grey~~ grayish brown

C-4 near corner of house
greyish brown rock fragments
near coal storage

C-5 greyish brown
4 feet from edge of house
Gable side of house

WC-8 soil in pan has fragments of coal in soil sample. Potential for elevated arsenic & PAHs red paint on barn (lead?) 3:43 EST

* This sample is most likely not suitable for background. (Reject Sample)

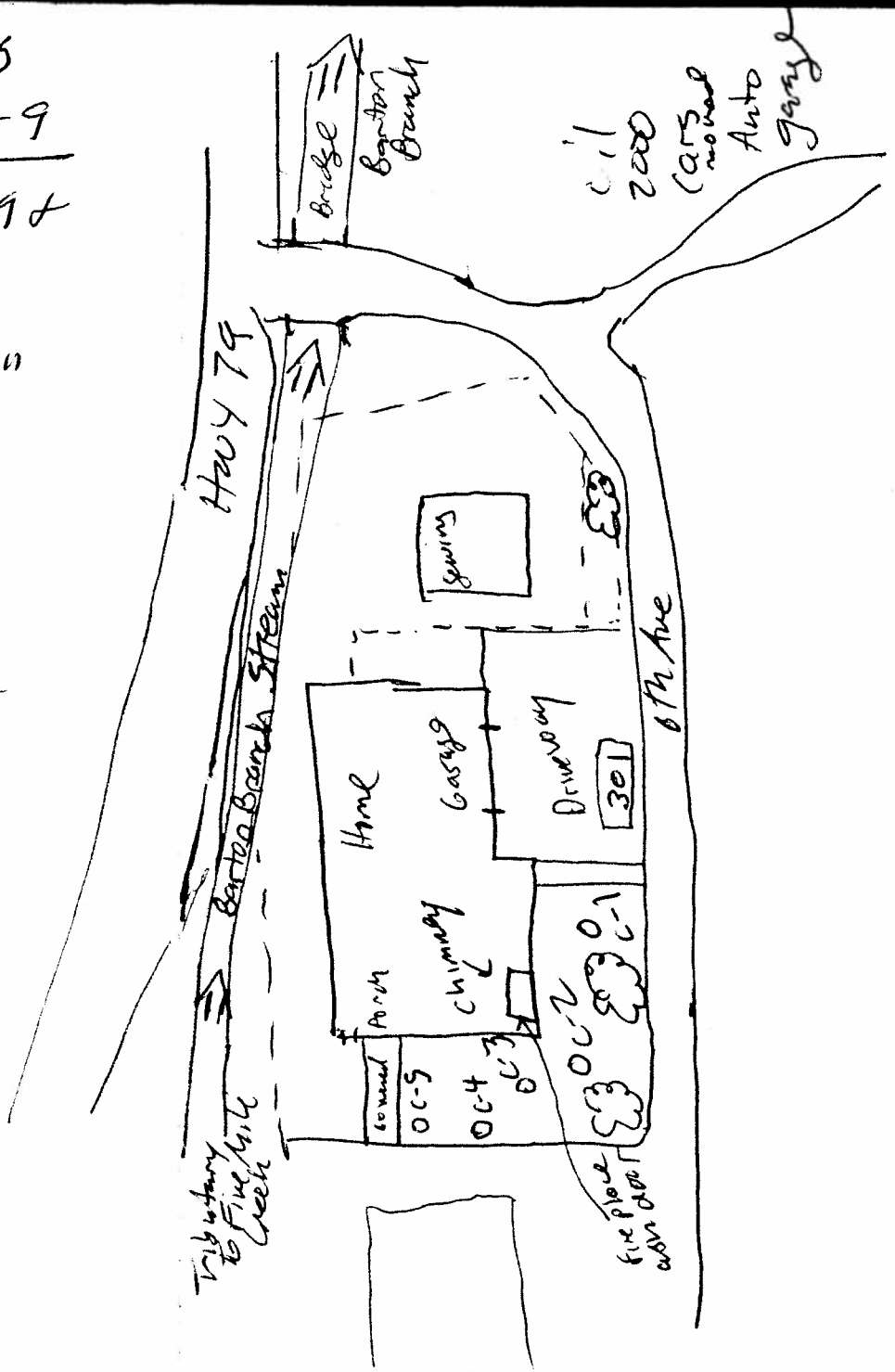
Billies Heirloom Sewing

301 6th Ave WC-9

Corner house with HWY 79 & 6th Avenue.
3:50 PM est

C-1 to C-5 0-6"
(Trenton Dolomite)
light to medium brown
fragments of dolomite

4:29 PM
2 photos front of house



Kenant Meredith visited
mean selected in East Lake area
~~[illegible]~~ East of airport.
Community overlies NS-SW trending
~~[illegible]~~ Limestone
Conasauga, 4 mile wide.

other communities Overlies Ketona + Knox Dolomite
(similar to our control area)

Negatives in flight path of
airport.
Unknown industrial (no time
to research history)
Drainage from Red Mountain
into village creek may
have elevated Arsenic
due to mining operations.

Communities more higher income
Socio economic missmatch
More urban.

10-23-10 Robbinwood

4:50PM WC-10

604 5th St
corner of 5th & 6th Avenue -
Hispanics lived at house previously
had a garden along back fence
of neighbors property. Across street
from church.

Ketona Dolomite

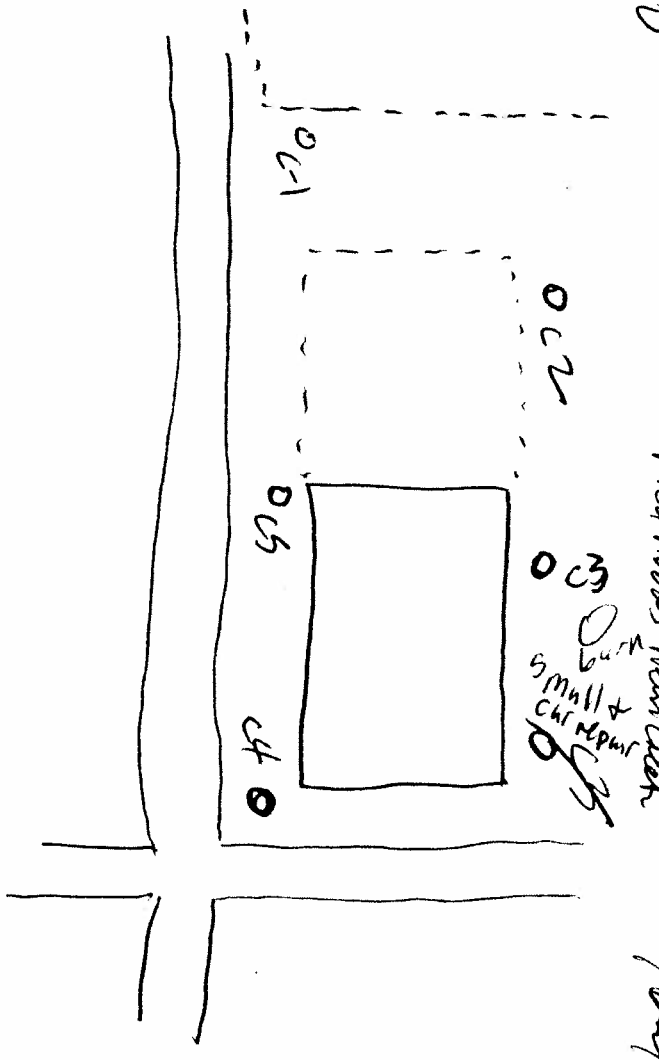
C-1 light to medium brown soil
Mert/slag
C-2 light to medium brown soil
C-3 near small engine repair / garabage
burn area (light md brown soil)
C-4 light to medium brown soil
C-5 light to medium brown soil

William Kennedy (tenant)

Owned By Billy McAndrews

5:33PM

WC-10



Area Hoods from Creek

9/23/10

company sign work (junk yard) U.S. Truck Parts

white Nalt 30' deep fill'cars paint

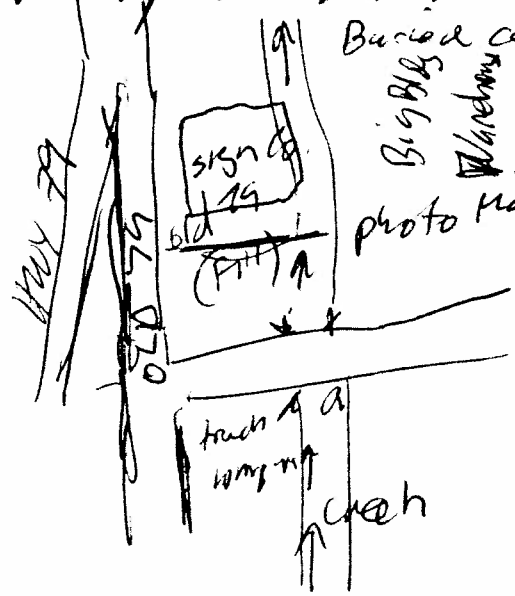
photo Near ALL SOUTH SIGNS

truck on a Post photos

Diesel, Motor oil, buried tanks

Grey House swamp. Use to be trash park. All filled in.

Buried cars, oil, etc



Howard ~~Fatley~~ Kiluy reported above environmental issue
205-849-9114

401 4th St WC-11

Amanda Chestnut (tenant)
Kenneth Ambeason owner
205-983-7817

C-1 orange brown chunk fragments (coarse)

C-2 (fine) Light-Md soil

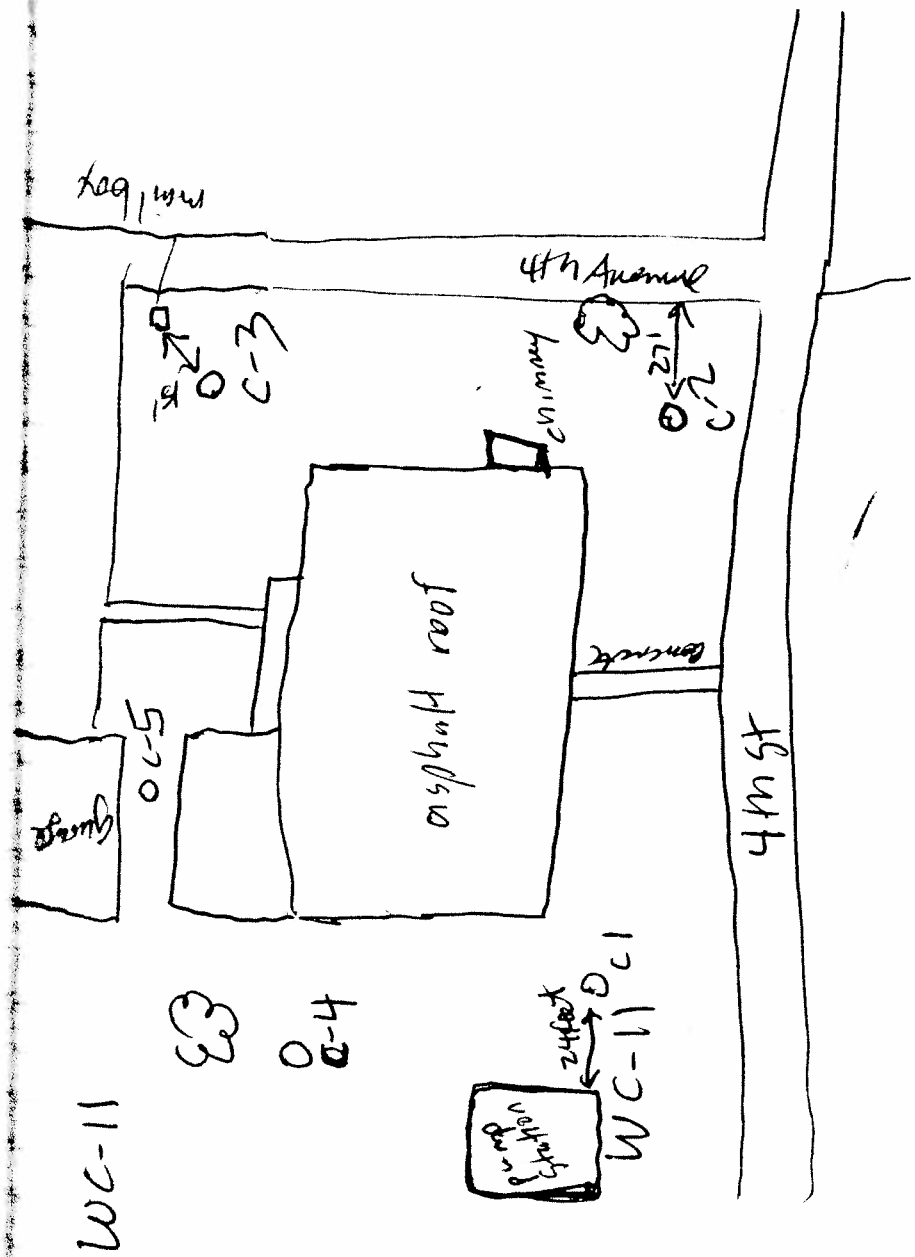
C-3 Md Brown soil

C-4 Light brown soil

C-5 light brown soil

3 photos - 1- pumpstation
1- front yard
1- side yard

6:18 PM EST



9-23-10 WC-12

Johnnie A. Ladd
314 7th Street Rosinwood
6:26PM

Rock outcrop in yard
Potential Conasauga? €c near contact with Ketona on GeoQuad
Rock is sucrosic text (is a dolomite)
Has limestone intraclasts
Likely Ketona Dolomite €k
chert fragments in soil
House has asbestos siding
Rock outcrop ~~chert~~ white/calcite

Coal house in back. Coal dust in and around yard 50 yrs ago

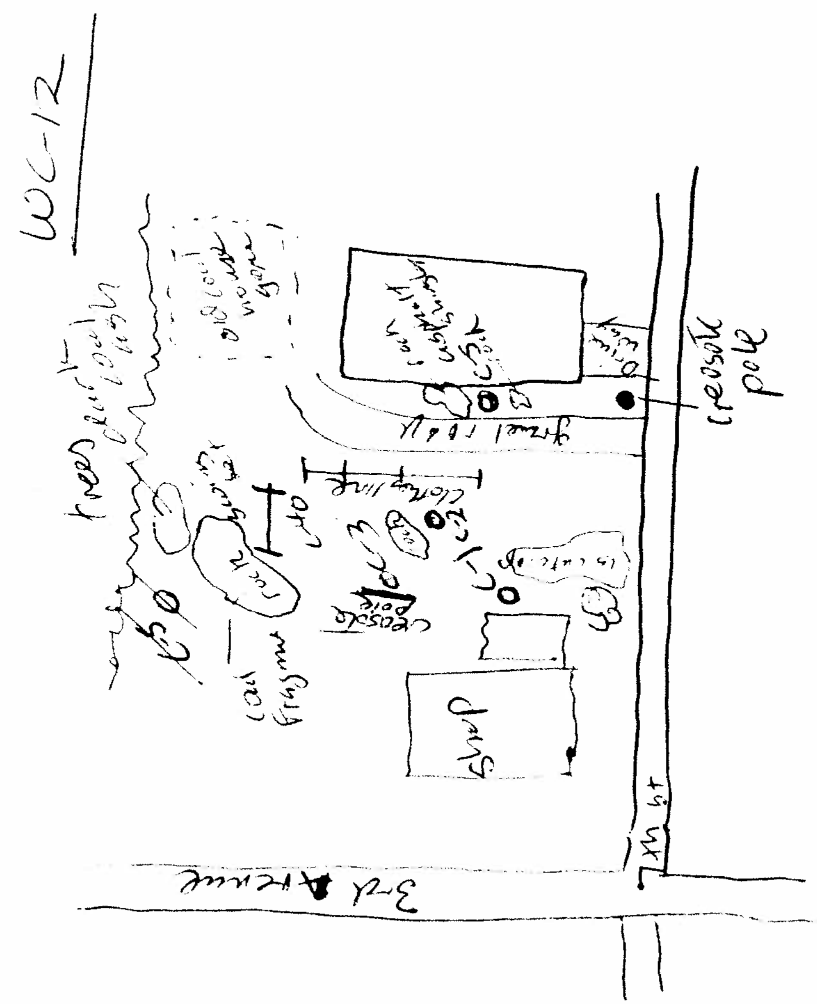
C-1 light md brown soil

C-2 light md brown soil

C-3 medim brown soil
C-4 darker brown/glass
~~C-5 dark fine soil~~
C5 dark brown moist soil

7:07 PM

9-23-10



7:10 PM 9-23-10
5 - Samples (4-2-3' 1 at 19")
so far

WC-13 7:18 EST PM

405 10th Street

C-1 light brown soil

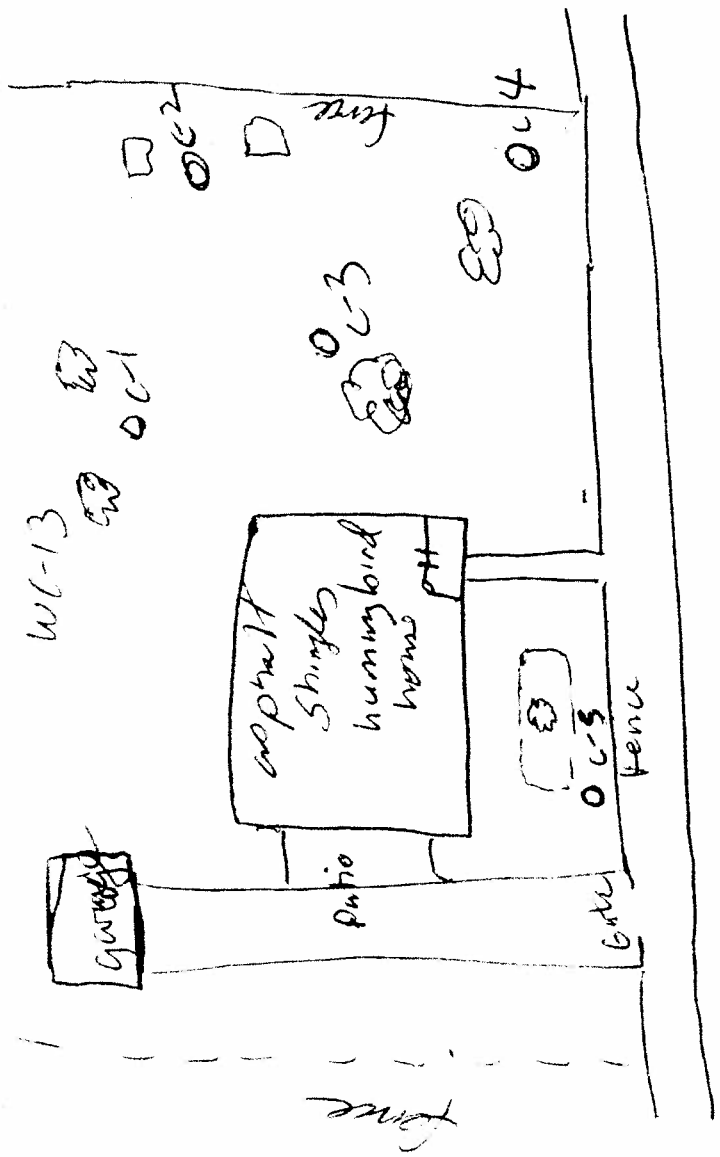
C-2 coarser brown soil

C-3 medium brown soil/glass

C-4 medium brown soil/glass

C-5 medium brown soil
clay / porcelain or tile
slag/rock

C-4 2' to 3' depth 7:51PM
Orange-Red Clay to elbow deep
too hard below 1½ ft
Sample Not taken
8:05 EST Finished hand to hotel
8:15 hotel



WC-14

9-24-10 8:21AM EST
Jefferson State community college
Pavilion/Park next to HWY 79

Probable ~~Hento~~ Ketona Dolomite
Park has 80-90' pines 2-3' diameter

C-1 orangish brown fine soil with rock fragments 2 photos

C-2 orangish brown fine soil chert fragments 1 photo

C-3 orangish brown fine soil 1 photo 1 photo

C-4 Little more top soil / Orangish brown fine soil - clay loam 1 photo

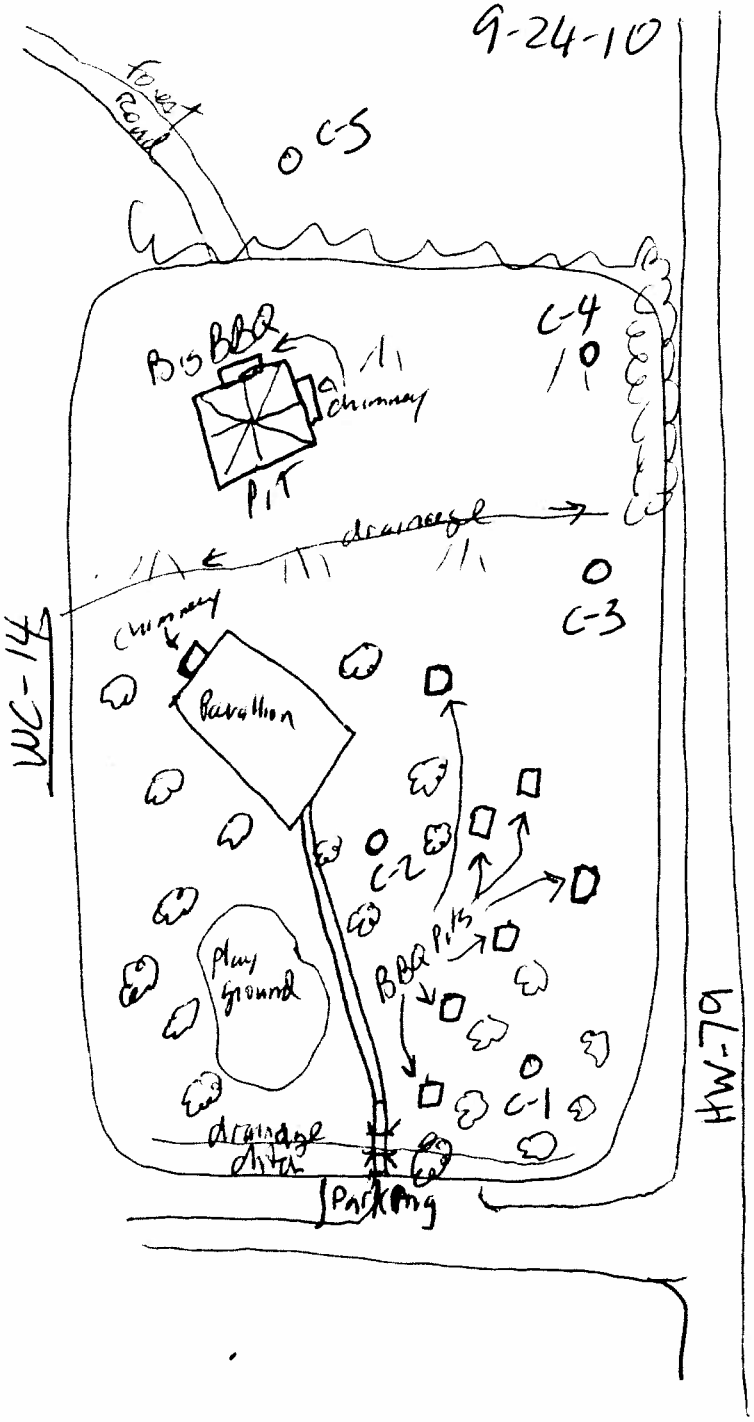
C-5 white weathered chert Orange brown soil 1 photo (Big BBQ Pit)

C-2 2-3' deep (6) 1-photo distance
Orange brown soil chert at 2'8" 1-photo sample bowl

Kieth Brown Esq. contact for sampling.

9:30 EST leave

9-24-10

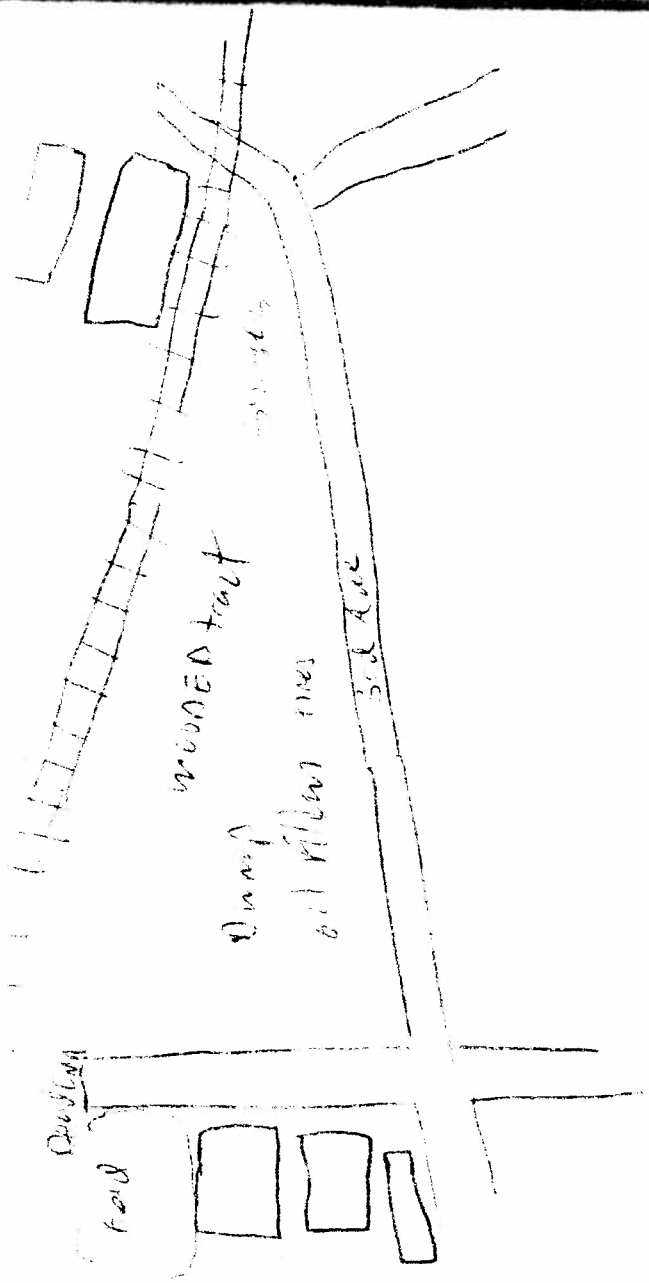


9-24-12 WC-15

Billie McAndrews Property

Reconned & is unacceptable property for sampling Dump

leave 9:59am EST



Robbinwood

9-24-10 WC-15
105 11th Street 10:05 AM
Across street from WC-7 location

Property owned by Billye McAndrews
Brown house with rock front
Conasauga limestone

2- Photos of house

C-1 light brown soil rock fragments

C-2 light brown - limestone rock fragments

C-3 light brown sandy soil
(Near concrete with way)
Sand from cement job.

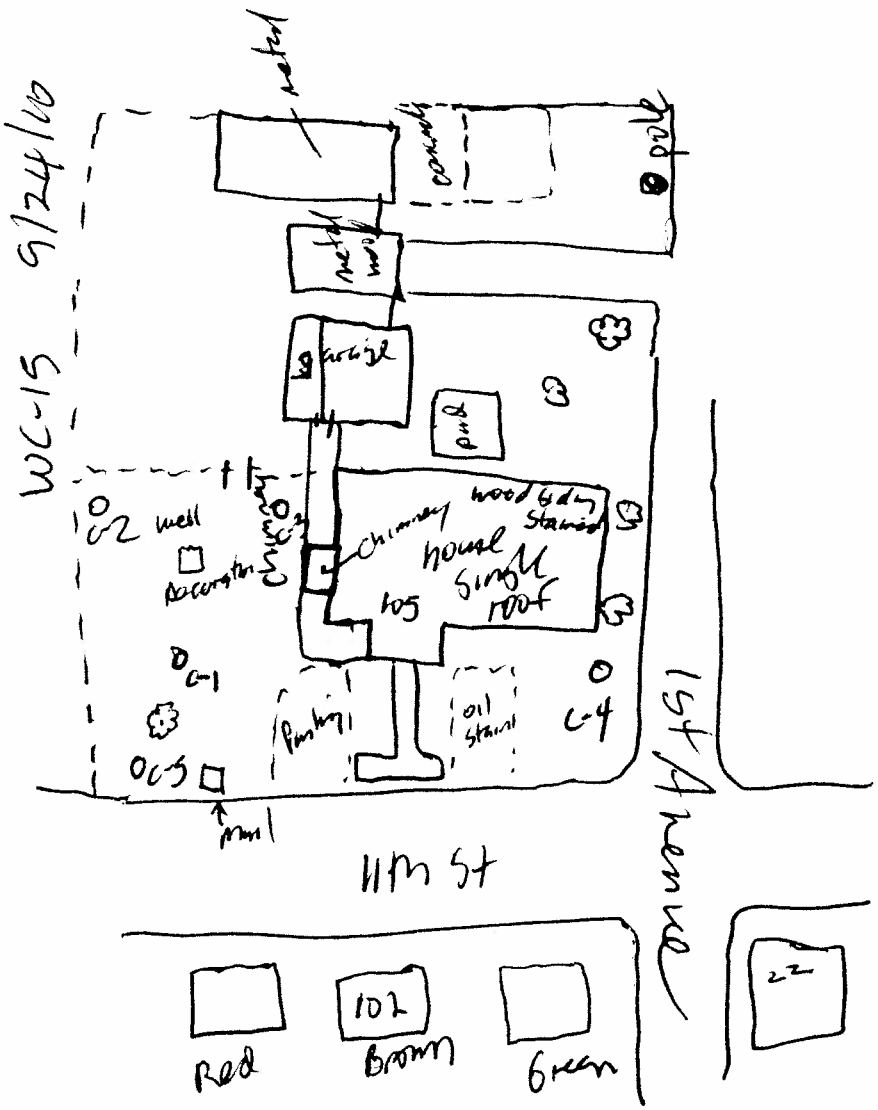
C-4 medium brown soil

C-5 light to medium brown soil

NO 2-3' Sample

10:33 pm EST

Tenante was not home. Do Not have name



Robbinwood

9/24/10 WC-16 9/24/10
10:52 EST

22 11th Street
Tenant name unknown
Owned by Billie M. Andrews

0 to 6"
C-1 medium brown

C-2 medium brown rock fragments

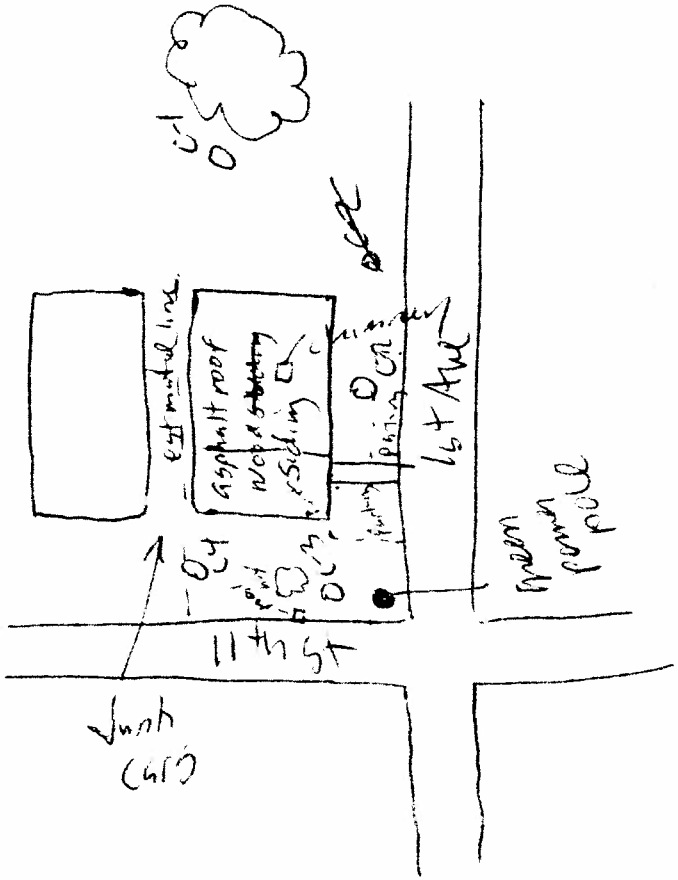
C-3 medium brown soil

C-4 medium brown soil 2 photos
house

Four point composite
Too many anthropogenic influence
potential

finished 11:09

22 11th Street WC-16 9/24/10



WC-17

9/24/10 11:12 EST AM

owned by Billie McAndrews

Appears Abandoned

white house siding decorative iron porch supports. Asphalt Shingles wood siding. Bare soil around dog house. (Conasauga Limestone)

Trash in yard

Pictures in front yard

Pictures in back yard

33° 37.141' W86° 45.051'

C-1 reddish brown clayey

C-2 reddish brown clay soil

C-3 medium brown soil

C-4 medium brown orangish soil glass fragment

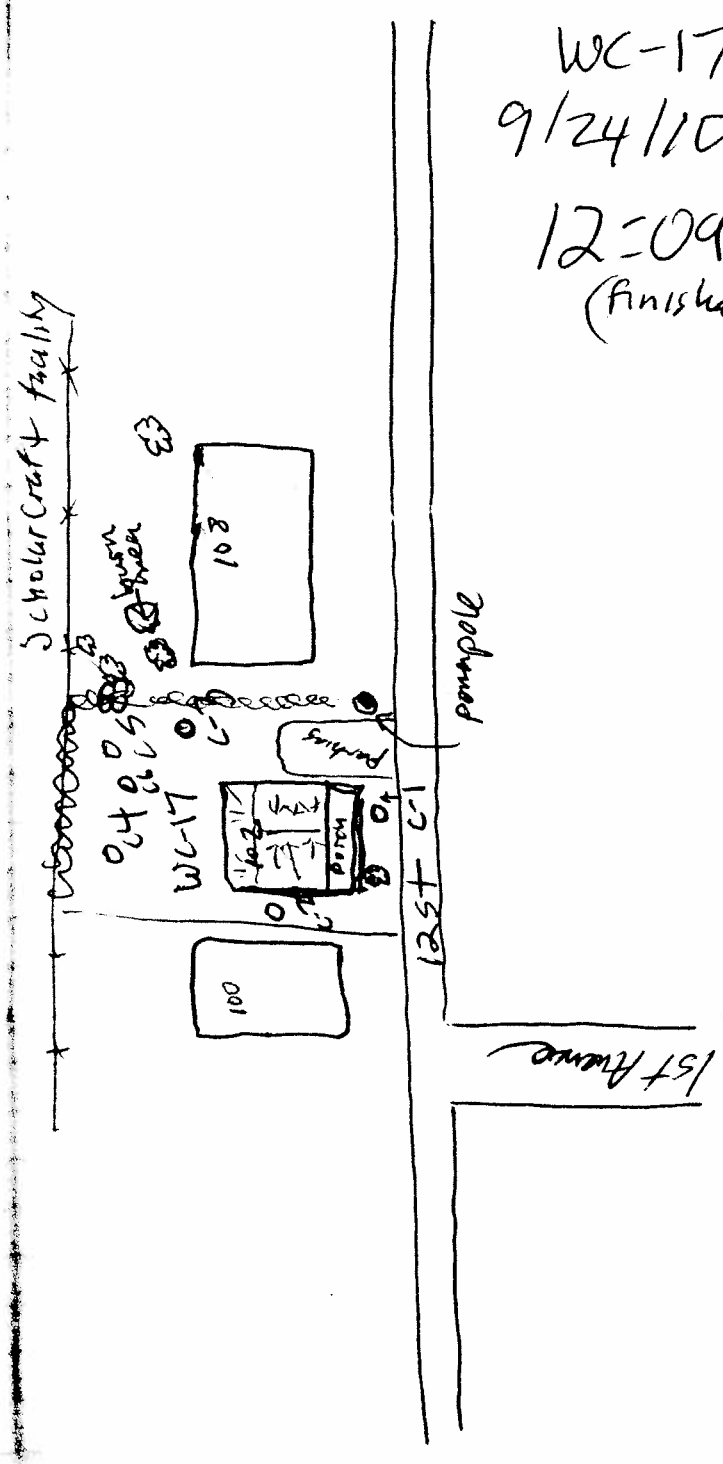
C-5 light brown soil metal 4ft apart

C-6 2-3 feet 1- photo reddish Orange Clay 2 close up photos

7

sidewalk

some iron or manganese nodules



WC-17

9/24/10

12:09 PM

(finished)

12:15PM Robbin Wood

9/24/10 WC-18

108 12th Street

red brick front on house wood siding

Jason Jennings tenant

owned by Billie McAndrews

C-1 light to medium brown soil

C-2 light to medium brown soil + plastic jewelry & rock

photo front towards driveway

C-3 photo taking sample light to medium brown

C-4 reddish brown fine soil sandy colored

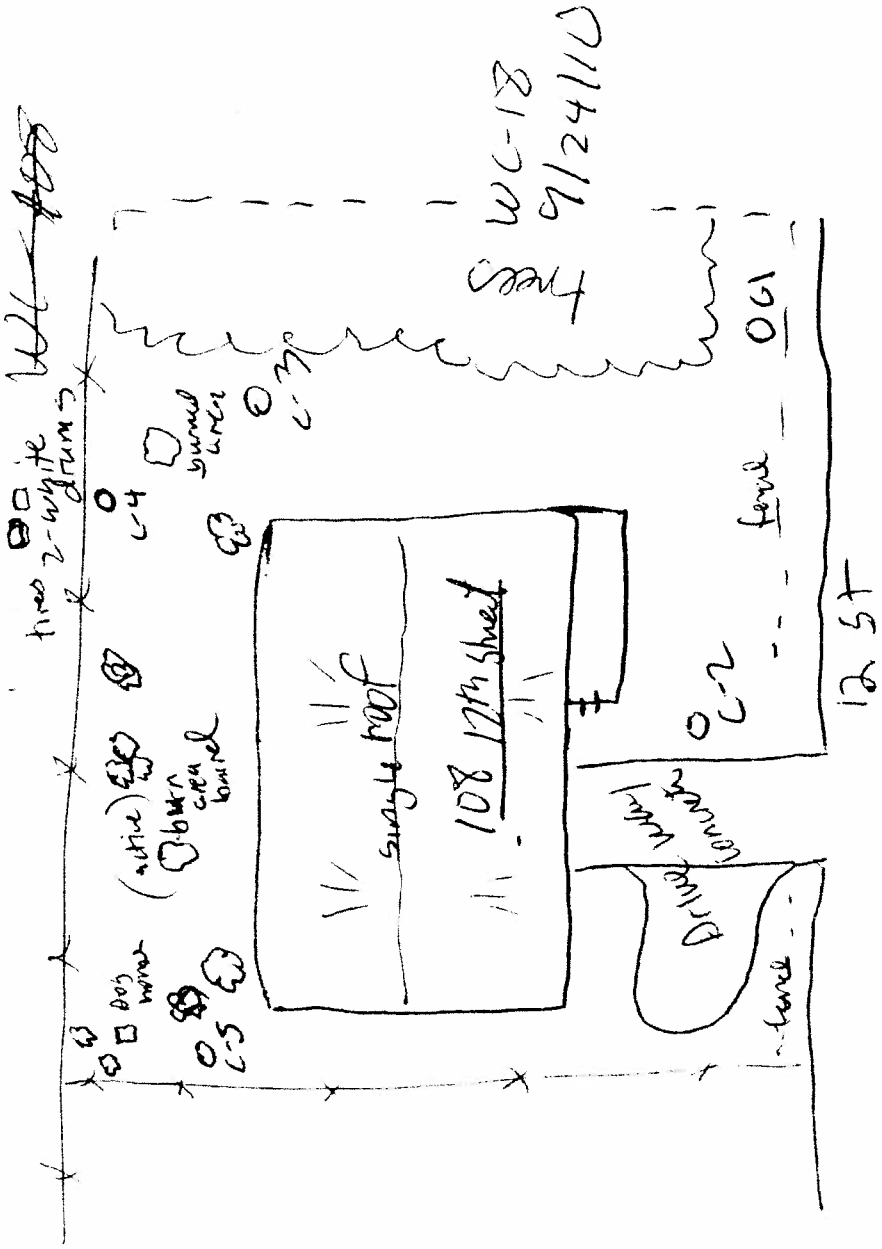
C-5 medium brown soil/glass

two obvious burn areas. 1 in-use

12:43PM

last photo front of house 12:53PM

Lunch



9/24/10 WC-19

412 St Street

Conasauga Limestone

C-1 light tan soil (1 photo of house)
1 photo rr tracks 1 photo sampling

C-2 light grey soil

C-3 light grey soil white glass

C-4 Sandy grey soil ~~with glass~~ photo

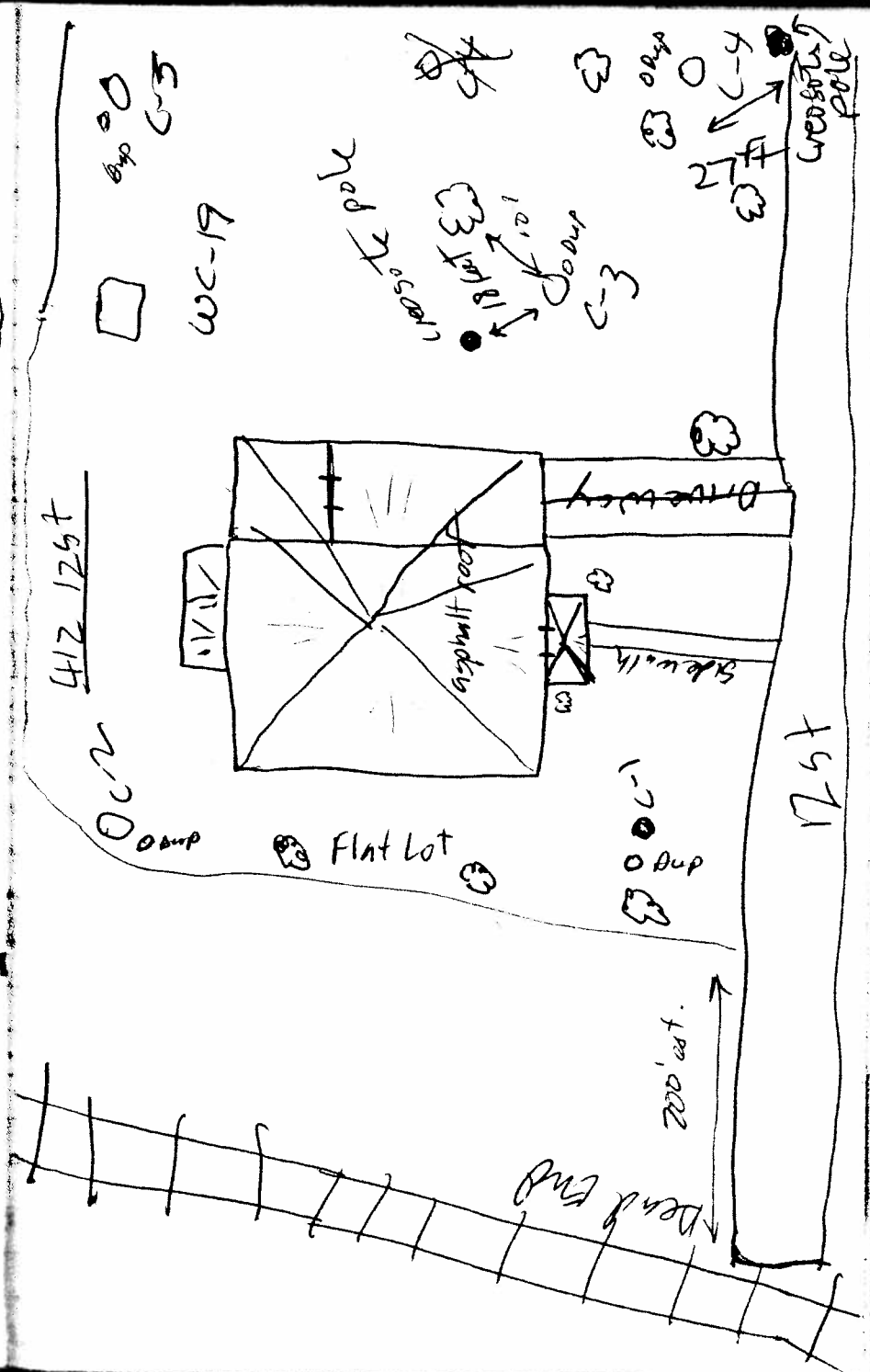
C-5 Sandy grey soil photo

Sample 2'-3' Deep C-5 offset (8)
① - 2 ft yellows brown 1 foot
dry clay brittle
2 - 2.5 ft sandy hard clay brittle rock fragment

QA Samples Duplicate 2:23 PM

C-1 photo Dup
C-2
C-3
C-4
C-5

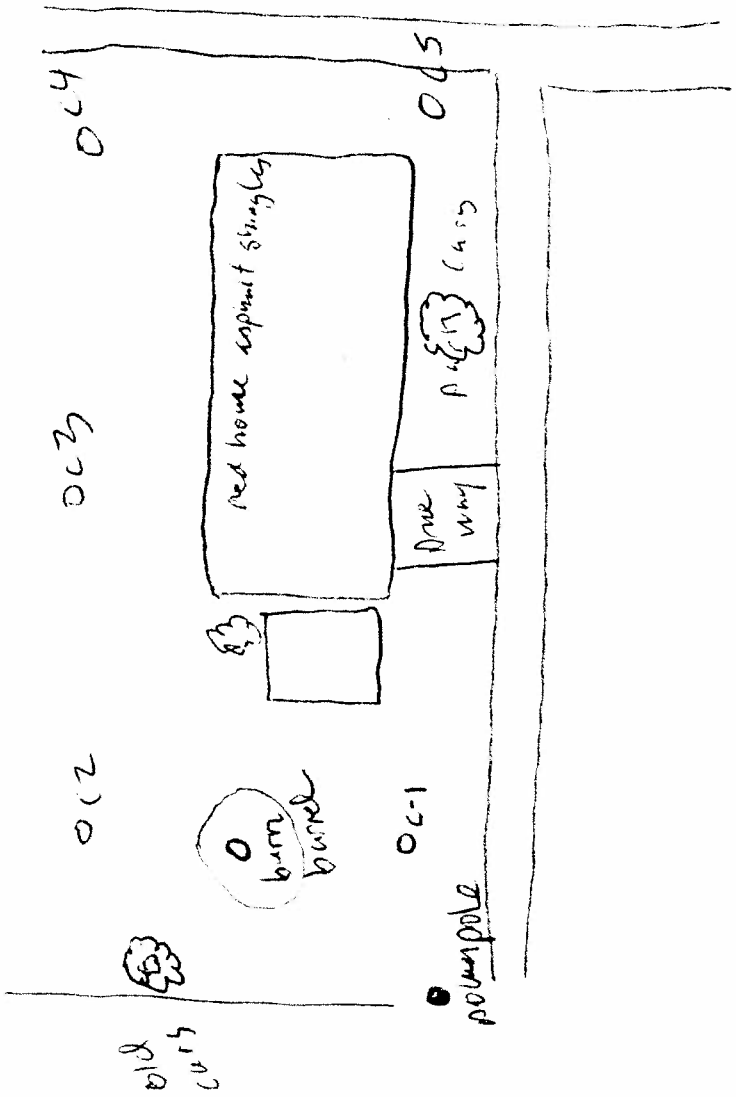
2:31 EST
2:31 EST Finished



Look for property at 8th & 2nd Ave
Robbinwood.

9/24/10 WC-20 3:05 Est pm
19 12st
J R Holloway lived 35yrs at residences
He said it was filled in with foundry dirt
Billie McAndrews owns property
0-6" Conasauga 2 photos of House
C-1 oranzish brown soil
C-2 oranzish brown soil photo
C-3 clump brown dirt photo
C-4 clump brown dirt
C-5 brown + ~~orange~~ orange (with bolt in soil) lug nut
House across with old coal burn stove (photo)

9/24/10 WC-20



9-24-10 WC-21

Gabriel Rogers 3:51PM
115 4th St Birmingham AL 35217

Conasaugua ~~Limestone~~ formation?
outcrop have fine sugary texture
dolostone Ketona?
0-6" Conasauga Fm
C-1 orange clay soil

C-2 light brown soil

C-3 tan brownish soil

C-4 darker brown with rock fragments

C-5 orangish brown fine soil

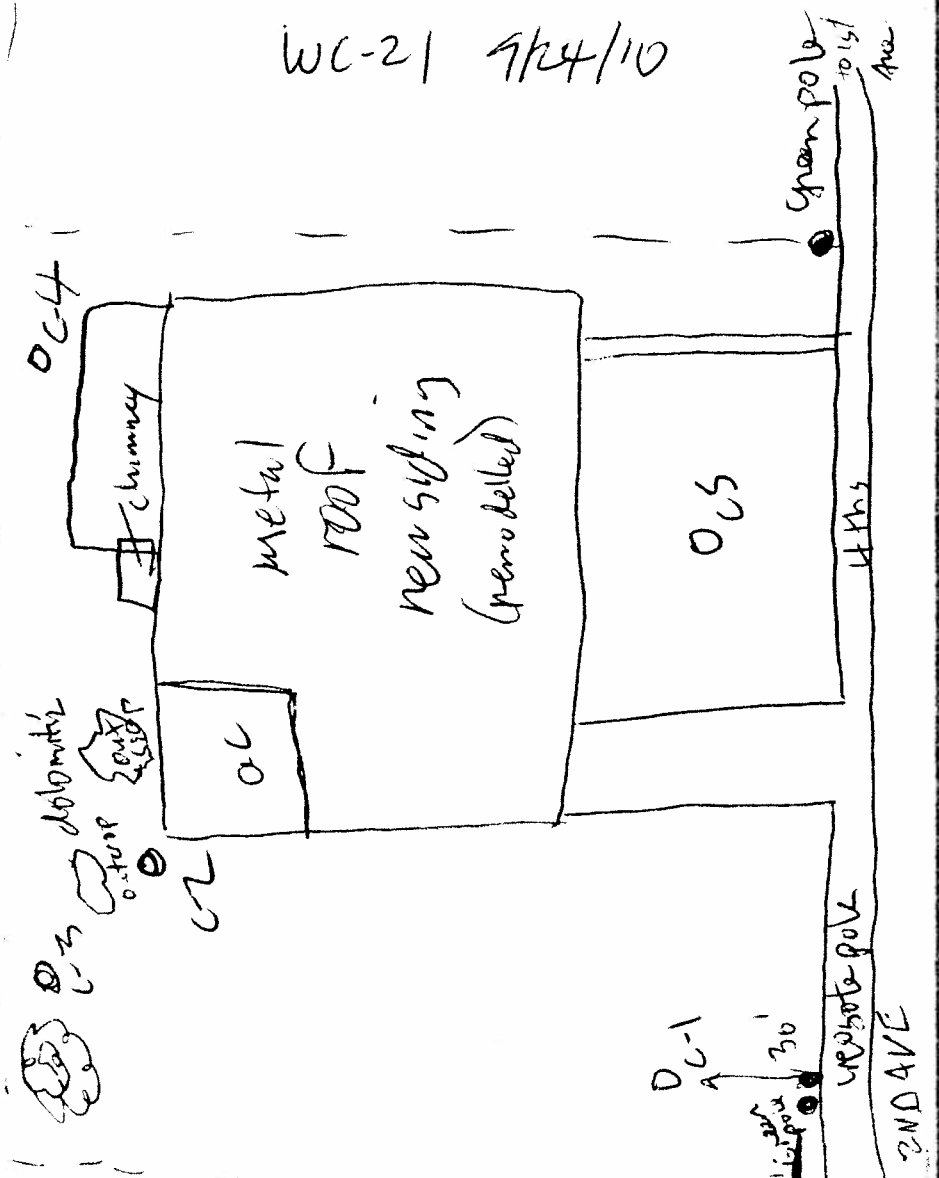
4:19PM EST

1-photo front
2-side photos

Finish 4:25PM

-15min stop 8:10PM home

WC-21 9/24/10



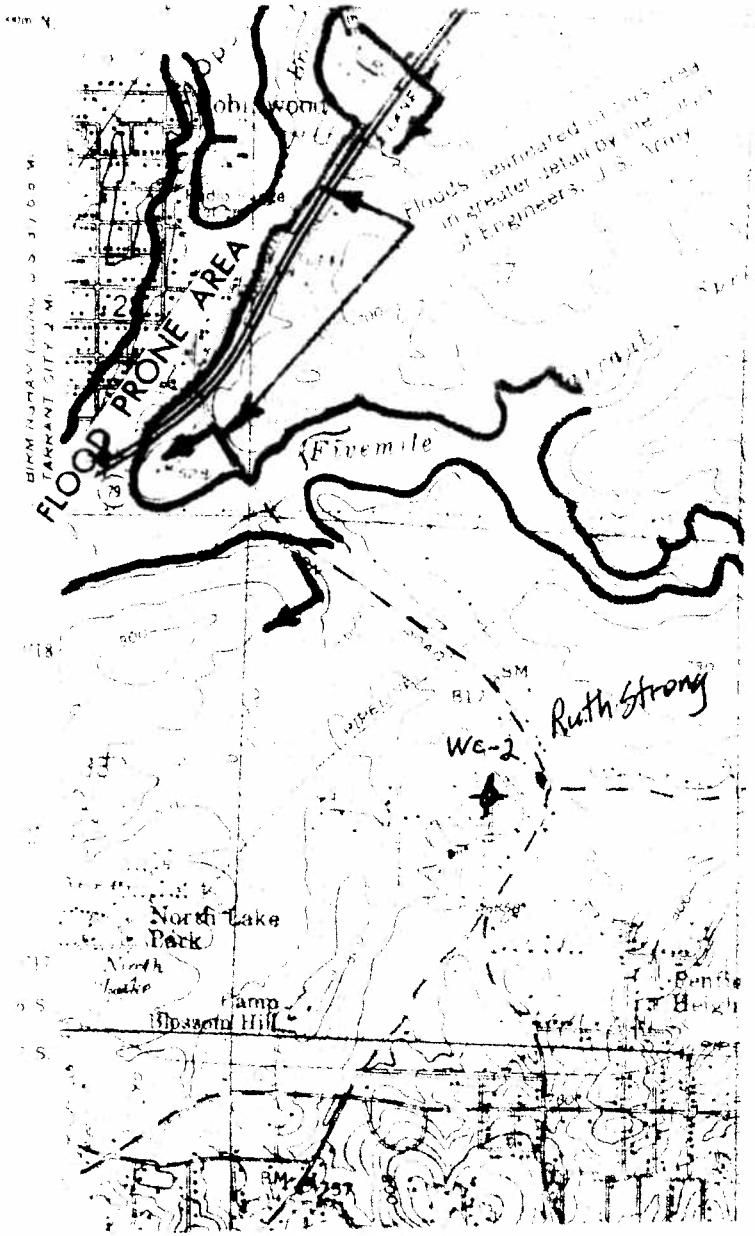
Conasauga formation: Air Geo Survey
lowest part exposed part interbedded dark gray shale and micritic ls; middle + upper parts include dark gray, stylonodular bioclastic, oolitic ls.; upper part dolomitic

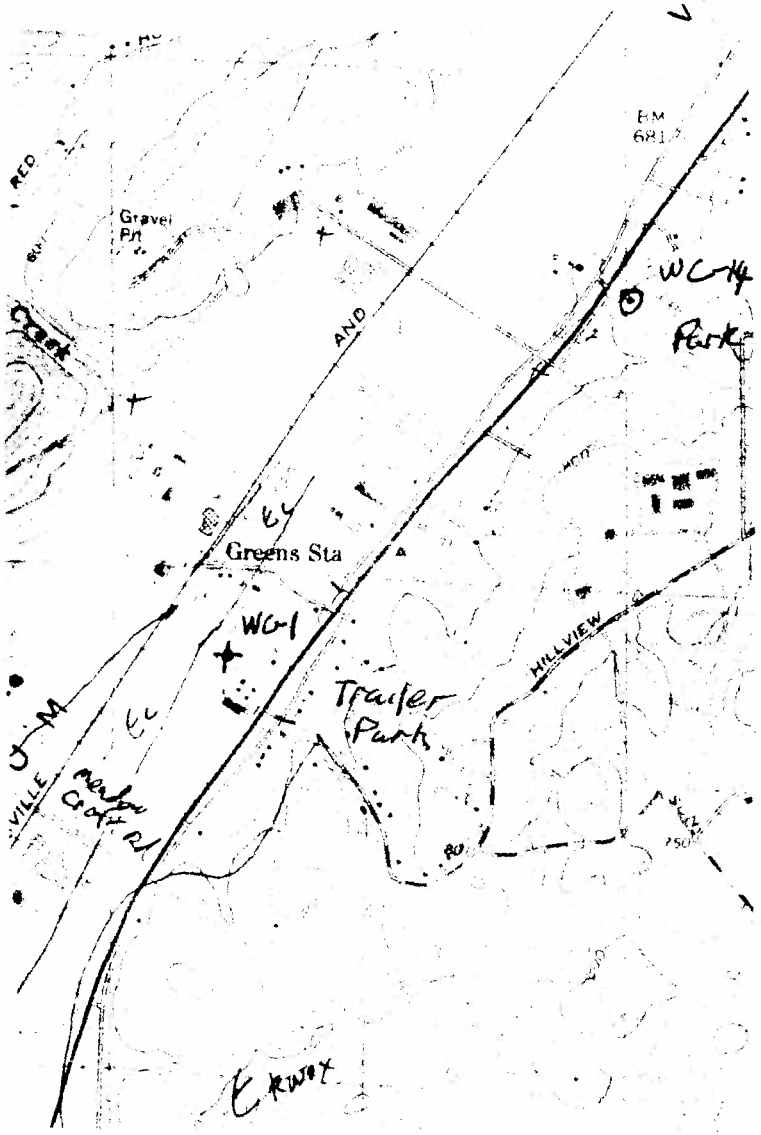
9-22-23-24-2010 Robbinwood, Tarrant
EPA Reference Sampling Study Alabama

Robbinwood, Tarrant Ala.

9-22-23-24-2010

9/22-24/10



IRONDALE Quadrangle, AL

9/22-24/10 Pinson Quadrangle, Ala