

5-20-03



ALL-WEATHER

ENVIRONMENTAL FIELD BOOK

Name Golf Nuclear Soil Sample

10632.001.040-0374, 51

Address TOD 06-03-05-001

12632,

Phone 001.121.1784 Connected W.O.H

Project _____

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabroid Cover
Columnar	1/4" Grid	Item No. 550	Item No. 550F

© 1996 J. L. DARLING CORP.

CONTENTS

PAGE	REFERENCE	DATE
	MUSTANG Sanibada	28-370 7066
	Env. Geophysics Associates	
	Richard Horbach	28-532-2196
	Webster Police Dept.	
	Tony Hernandez	
47	Photology	

Reference Page Index

- 147 Error codes, Hazardous classifications, Container types
- 148 Sampling guidelines (liquids)
- 149 Sampling guidelines (solids)
- 150 Approximate Volume of Water in Casing or Hole, Ground Water Monitoring Well
- 151 PVC Pipe casing tables
- 152 Soil Classification
- 153 Soil Classification
- 154 Conversions (Length, Weight, Volume, Temp, etc.)
- 155 Conversions (Concentrations, Volume/Flow or Time, Velocity, Acceleration)
- 156 Maximum Concentration of Contaminants for the Toxicity Characteristic

Location GNUI Soil Date 5-20-03

Project / Client USEPA / 18632.04.040-0374.01

18632.04.040-0374.01

General Entry - OSC file informs START

HALL THAT DATE THAT TO

has been issued for work to begin

on soil sampling & soil nuclear

ZN. Radiactive cleanup site located

202 Medical Center Blvd, Webster

Texas. OSC file states that the

soil sampling event should follow

the MARSIS sampling strategy

for radioactive sampling but not be

an actual published MARSIS

MOAT. OSC request that EPA

LAS-VEGAS be consulted on Sampling

strategy, HASP, & detection. — (30)

START HALL Requests that OSC

formally request from EPA-vegas

that they mobilize a gamma spec

person to GNUI to count samples

since this would hold cost down

significantly by not procuring

an indep. lab. OSC file agrees &

states in later conv. that entryway

would be on site 5-20-03.

00000 573003

Location GNUI Soil Date 5-21-03

Project / Client USEPA / 18632.04.040-0374.01

18632.04.040-0374.01

0930 START HALL THIS DATE SENDS

A COPY OF HASP TO EPA-VEGAS

FOR REVIEW. — (30)

1200 START HALL THATS WITH

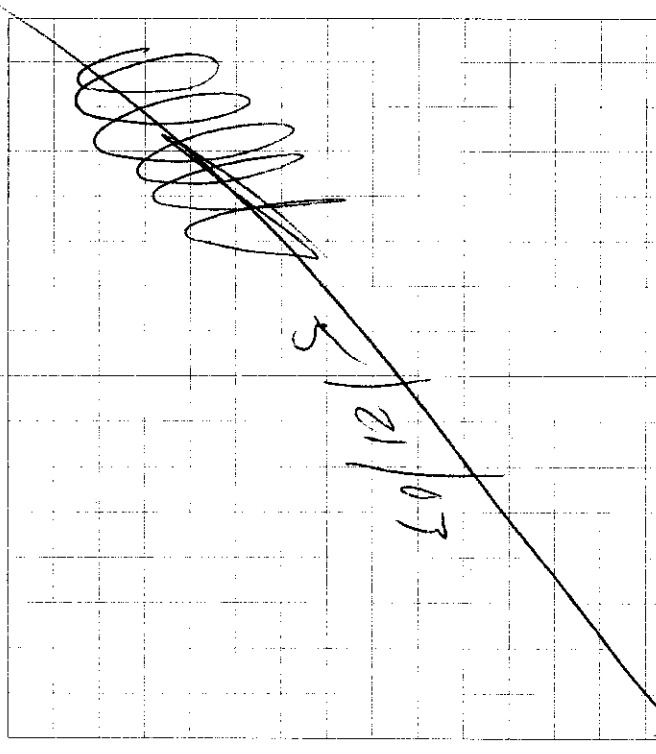
EPA-VEGAS Brian Murre about

instruments for the sampling. BOTH

AGREED THAT A WORK OVER WITH

3X3 SONDEX 20020ES AT MEANS A

METER and a Emerson Probe



5/21/03

12632 DOI. 121.1764

5:00 START SHALL ANSWERS WESTON TO

607 SITE HASP AND CRASH BURN.

RECOUNT LAST. CP

0700 START GERRY HALL TALKS THE 1ST

EPA TRAVEL TRAILER FROM WESTON

RES TO GNZ. CP

0700 START HALL FZU, + HALL ARRIVE

A RES TO GET SITE SPOLES + 2nd

EPA TRAVEL TRAILER. CP

1:45 START ARRIVES GNZ + begins to

set up site. CP

2:55 START HALL ANSWERS JUST TRAP

@ site is ~ 940F distance by trap

goes in start HALLS FIRST pickup.

AND IT'S MOSTLY EMPTY TRAP.

START LEAVES FOR DAY. CP

1800

[Signature]
5/29/03

12632 DOI. 121.1764

0600 START C. HALL ANSWERS @ GNZ.

0700 START OPERUS FALLEN PROBS

ADDS SENSORS #5. CP

*LUDOLIN MODEL 2221 RATE METER

SCREEN # 117613 calibrated @ LUDOLIN

with # 97743 +/- 10% on integrated

4.0 counts

*BUTLER ALPHA Spectrum Filter probe 020000

calibrated with Am241 @ 1.4mCi sn#

ER600-2 Cal mark counts @ 2m distance

0730 EPA-MODEL STATES THAT HE

DOES NOT NEED ASSISTANCE

AT THE WESTERN RES GETTING

THE TSCS. CP

0815 OSC Fife calls START HALL

AND GIVES ~~8~~ GEORGE BROWN COUNTS

214 665 PHONE # 214-665-8941 + cell

24 745 154 for him. START HALL informs

OSC Fife trust there is radiating

in the gutter off site + on public

property and what did he want

START TO DO. OSC Fife states to

leave it alone until the removal

counts. CP

060528/03

Location Gr105 Soil Date 5-28-03

Project / Client USCERPA

1030 EDH make checks out RWS-2

air monitors on RWS-2
1000 # RWS-2 & ~~other~~

CO-280124

1045 EPH's Tim Collins shows up

1000 E site to see how things are going
Redo early start there going

start 1200, 6 hours steady hand log
RWS line control, green, heavy digging
heat stress, off in 1 area

1050 Start @ 1400 & EPH makes

some remarks on condition 14

mine RWS-2 site 1408 &
a full need's from 1400/1400/1400

up to 1400 mine RWS-2 demand

Remarks

Site setup continues

1100 Site setup continues

1130 Site setup continues
makes entry into bedrock &
moves several bales of hay &
piles in a circle to see
where concrete ends & dirt ends.

Start steps

Location Gr105 Soil Date 5-28-03

Project / Client USCERPA

1410 Start CH11 drill to 7' core

1500 Start from station 1400

the District is 500 feet

from 2700 ft. on

1530 Start static & 1500 - makes

agree that asphalt sheet laid
over the rubble gate entry
over the debris. it is so wet
that the core drill can have
in the site

1540 Start static 1500 - makes

15th grad cut on the station
first and west fences
to establish line? 1500 &
piles for 80 piling
start 1500 & 6. 15th grad
pile

1600 Start static 1500 - makes

1615 Start static 1500 - makes
from 1500 ft. on
start 1500 & 6. 15th grad
pile. Officer is on duty, 1
piles.

Start steps

Location GALT SOLS Date 5-29-03
 Project / Object USCVR 142874
142874 142874

0600 START C. HILL ADDRESS @ SITE +

Expos trailers + sets out instruments
 + prepares for Ground Penetrating
 radar.

Temp is 63°F, partly cloudy. -9
 Wind light from S.E.

START C. Hill, pump checks RAD
 instrument to be used for personal
 looking + scanning.

Bicon Counter 734895 calibrated
 Sweeper C probe Bicon PGM

SW # A9394. Bicon Sweeper SW #
 903209 + probe Bicon Alpha Scout
 A-50 SW # B51964

START HMC crew + charges all
 packet Posimeter.

ERM 000107

ERM 691600

ERM 903011

ERM 691659

ERM 903076

ERM 765727 A. Lestud One return.
 ERM 703074 OK End May

Location GALT SOLS Date 5-24-03
 Project / Object USCVR 142874
142874 142874

0650 START C. HILL ADDRESS THAT

Background radiation for the whole
 trailers is 12 mcr/hr on

Ludlum Model 19 SW # 142874.

START C. Hill notes that days
 activities will be to Ground
 Penetrate Radar the site, + set
 all the sample sites on 15x15

Foot grid.

START C. Hill enters horizon +

Sweep down concrete driveway +

snow + springs off to water. In

have a clear path across. START

C. Hill also sweeps back vernier

from drive way gate + lays down

plastic over entrance area + establishes
 May bale barrier to inside of fence

Gate.

0730 START exits horizon.

0845 Safety brief by START C. Hill to

Rescue, team + C. Hill their zoning










radiation + self stress hydration.

0930 START to site enters horizon


+ starts to dig back to 60 ft

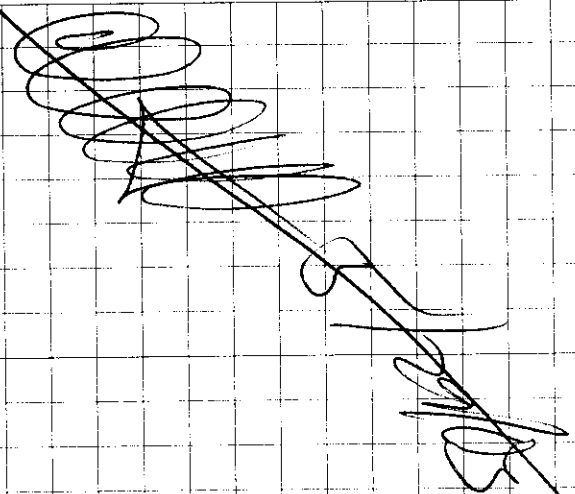
to 142874 station

Location GNZ Soils Date 5/24/03
 Project / Client USEPA CG-03-05-001
19632 001.181.1784

1045 START Haul + EPA - MICROB travel
 to Surface Radiation Sensors
 to had 1 hr/4 under spread
 1030 taken for site — 
 1100 MUSTAFI Simbuck exits
 hot zone + Kin, plas & magnetometer.
 1110 START Fin + Radio Scan out
 magnetometer to ensure it
 is not contaminated. 
 1130 GPE/magnetometer is done for
 the day. 
 1200 ————— 
 1300 End of Lunch ————— 
 1325 START Haul from entrance + find
 nearby grid points. 
 1430 START Haul exits Zone START Fin
 begins surface sample collection —
 1500 START Fin exits ————— 
 1545 START Radio enter hot zone again
 ————— 
 1600 START Haul begins to clear Sweep
 area + near the RS - externally
 radioactive contamination. 
5/24/03

Location GNZ Soils Date 5/24/03
 Project / Client USEPA CG-03-05-001
19632 001.121.1884

1630 START Radio enters zone —
 1640 START Haul completed surface
 sweep area + bagging. 70%
 sample surface A1-S through
 RCRA 42-S.
 1700 START leaves for day 



Location SRMZ Soils Date 5/30/03
 Project / Client USEPA CG-03-05-0001
12632.001.121.174

2600 START Hall arrives on site
 and opens trailers & brings out
 instruments. Start drill & thuds
 a timing ball for truck
 & prepares to tow truck
 to a fuel pump. @
 *NOTE weather for day is
 forecasted to be 90°F = light
 wind from S.E. @
 2800 START ENTERS SITE. Samory
 Buzza is Host Starts & Red
 Supply. Attended by Sam Fin
 Terry Green, Chad Hall.
 1100 Start exits House after eating
 @ 9:15 AM. @
 1130 Lunch. @
 1230 End lunch. @
 300 Center zone drill. Heavy body
 @ concrete. @
 400 Got dots found being poured.
 315 Set rebar by @
 600 Set rebar rebar. @
 700 Started rebar. @
 @ 5/30/03

Location SRMZ Soils Date 6/2/02
 Project / Client USEPA CG-03-05-0001
12632.001.121.174

0530 START Hall arrives on site @
 Bring out instrument & hang clock
 all of them. Weather for day
 is expected to be 85°F =
 wind 10-15 mph S.W.
 0730 START Unusually, Walter Sandall
 Kila D. Connor came on site. START
 Hall contacts site brief & safety
 brief to include cables, bats, ground
 radiation & contacts, heat stress
 rebar trip & falls, vibration,
 process. Samples, instrumentation,
 scan out procedures, diff. of
 procedures and a site walk.
 0800 START ENTERS ZONE & START
 Buzza Sampling, standing
 & mixing composites. Driller -
 power & labor. @
 1100 All start to sound home call.
 zone starting @ 10:10 @
 1130 Lunch. @
 1230 End lunch. @
 @ 6/2/03

14

Location GRIZ Soils

Date 6/2/03

Project / Client USEPA

06-03-05-0001

12632 COI 121.1784

1315

START Re-entrance zone STREET
Have manuals all employees
to see if any and into
hut & they have full manuals
for lunch.

1430

START Re-entrance zone for
all.

1440

Start Walter into zone for
for day.

1530

START Re-entrance zone for the day.
clean up zone & keep / move
for construction.

1600

START Re-entrance zone

1730

START Re-entrance zone

6/2/03

Location GRIZ Soils

Date 6/3/03

Project / Client USEPA

06-03-05-0001

12632 COI 121.1784

0500

START Hall answers not out yet
for day.

0600

START Re-entrance zone, McLaughlin
O'Connor, Walter argued
for work. STARTER Boy
for key is heat stove,
watching each other in
zone and there will be
supplied activities over
to zone @ 2000 hrs.

* James Smith

* James G. W. W. W.

* Kevin J. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

* J. W. W. W.

6/3/03

Location GRVZ Soils Date 6/30/03Project / Client 18632.001, 121.1784TPD 06-03-05-0001

0947

Open window closed $\bar{C}S_{33}$

Switch on Lullin 222 / #117614

T 4420 3X3 sd/m 2021A

@ 300 - Neals 1 mi cont A

50578. Builegrom 10 due

@ 14 wms 23,365. spm

HV 994 out window \rightarrow Thresh 101 out window \rightarrow

win.

1030

START 370000's gone continues

to pull sample & prep then

START Hall enters and takes

reading of Row A-E \bar{C}

3x3 square @ 1 foot. Reading

to follow on additional pages.

Blank Beach

1120

Blank Beach

1220

End of lunch

1303

Start water gone & clearing of weed

tallies, taking care of housekeeping

in zone & determining that are approx.

*1/2 way through collecting samples.

EPA-mouse state's there was a sample

1410

3 ea D-9 class had returned

contaminated area.

6/30/03

6/30/03

6/30/03

Location GRVZ Soils Date 6/31/03Project / Client 18632.001, 121.1784

06-03-05-0001

1430

START Hall enters zone \bar{C} Mined

mud & determine that exposure

reading @ D-9. One > 500 mR.

START Hall enters zone for C-12RA

As he hangs it in by EPA veger

The EPA determines that nearby

@ D-9 @ contact is ~6 mR.

1300

START starts zone for clay &

area and shovel back

on it has done end day.

1330

START Hall & EPA-mouse

explain to OSC Fik what her

been found there for in the survey

must to in back had ground

level, sample reading processed

& ground geophysical results.

1400

Start clean up for day

1420

Start house for day

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

6/30/03

Location

GNZ

Date

6/5/03

Project / Client

12632 VOI. 121.1784

USFPA 06-03-01-0001

0600

Start Hallauvier on site
correlates well and to some
ext. correlation of the sample
previous day.

0606

Lightly buff for clay in top of
200 ft high with coriander
+ 90% of natural Thunbergia.

Slips due to wet, but active,
lighter water, paper near out
middle, with getting the more
Laguerre-Lav. J. Shumway Hall
McDonald, Tom Molyneux, C. H. Hall
X Jose Gradiva
X Thomas A. Chapman
X Jeff M. Bell

0700

START on the site to do
work on the face page for the
diagonal to parallel cores.

0800

START Hall tells Terry Green for
driller to core high ground to
get something lighter to do the
wet + cores.

6/5/03

Location

GNZ

Date

6/5/03

Project / Client

USFPA 06-03-05-00

12632a.101.121.1784

0930

1005

START last work page
GPA - Moore states that
he is missing sample
position C-3 from his
analysis of soil samples.

1035

1045

1115

1215

1305

1300

Start of final
Start personnel with more
START McLeod starts
to START Hall that there
are about 12 samples with
one or more pieces of being
completed.

1330

1355

START Hall enters to see
duller, hand before leaving
space.

1400

GPA - Moore states he is not
seeing any significant work
in material some samples.

1500

1700

START ends + leaves for day
START McLeod leaves for day
6/5/03

Location GNZ 5017 Date 6/4/03Project / Client 12632.00, 1261, 1784CG-01-05-0021

0500 Start Hall overview site not

0600 Safety brief: Start string, scope

Processing, spray paint
top beyonds, paint & lighting.* ~~Don't~~ *Don't* ~~pull~~ *pull*

0615 Weather for day so expected

0630 Decided to run down to top
of about ~880' which for west.0700 Work ends around 10 sprinkling
0730 Lighting & film Start lights0900 Run & lighting 2000 OBC 1/4 hr
down up @ site - no opportunityput that START as someone
and a bit of film, a recording
a walk & the survey from 1000CG-01-05-0021Location GNZ 5017 Date 6/4/03Project / Client 12632.00, 1261, 1784CG-01-05-05-0021The EPH's trailer and his office
space exists. OSC trip around the
RAD exclusion zone during the
main storm without PPE on
to retrieve the tools that were
left on tables under the START
+ contractor excited due to
weather working conditions from
lighting system. OSC trip back
upground pickup used START
moving "his" trailer to store supplies
+ loaded START Hill to prevent
a U-Haul to have STARTused out of. OSC trip and his
tools are now stored and are
very difficult to get the permit
to buy tools. START Hill bought
a set of replacement tools -
START mechanics, welders, stumps
down site for day1000 Run CG-01-05-0021
1100 Run CG-01-05-0021
1330 Start Hill leaves for dayCG-01-05-0021

Location

Date

6/6/03

Project / Client

USEPA 06-03-05-001

12632.001, 121, 1784, 01

0530 START Hall arrives on

route. Diller gets safety
brief on west side
connections + trusting cables
+ lines + enters the zone.
Weather for the day is
expected to be mostly
sunny + 30% rain in the
evening.

0610

Safety brief for Wadger,
Muller, Johnson is
also, trip to the water cut
for cables sticking out
of mud line just before the
fall of the rain. ——— Q
break there + inspection.

x Thompson 09:00

x Jeff Muller

0645

Diller + START clearing the
zone. To be known that the
needs to be announced
of SC we go to support today
0606/0607

Location

Date

6/6/03

Project / Client

USEPA 06-03-05-001

12632.001, 121, 1784, 01

0730 START Hall enters zone +

beginning GPS activity with
at main hand hole
GPS read SN #

0840 START MacGully starts that
there are approximately
40 meters to going out about
30 that north to the
compacted. ——— Q

0910

EPH + Davidson + Bozard
with zone + attempt to use
Rear Bore + check START
3X3 results.

1100

START Hall + Johnson GPS
of multiple sites. START + Diller
both times it is to west to
Rear Bore all the lines.

1110

Diller, truck in the zone
used to toe + drill in
the area C-14 + D-14 in the
zone.

1205

Hall

1300

Hall

0606/0607

Location

GALZ

Date

6/6/03

Project / Client

12632, OLI, 121, 1784, 01

USGPA

06-03-05-001

1320

STANT Hall notes & log
to Dean the hunter & bird

1402

STANT has given EPA money
33 samples this morning

1545

Tractor & Drill log and sound
STANT Hall per black cH Apple, acetic acid &
Gm postcard takes 3

Smear from the work

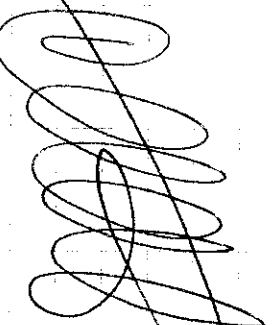
surface, today still black
& going to EPA-MOORE &
agent on the 2929 Lullum.Results per EPA-MOORE are
clean or clean.

1600

Driller & STANT leave are

1700

STANT Hall leaves for day.

 6/6/03

Location

GALZ

Date

6/9/03

Project / Client

USGPA 06-03-05-001

12632, OLI, 121, 1784, 01

0500

STANT Hall arriving on
site, notes to log a few hours
work on project on site the
week end.Temp today forecasted
to be 70-80 F late in
+ partly cloudy.A line for Henry
should be found against
the wall over and

stake of note.

Left the wall with the log
stake, only top of wall &
upper PPS.

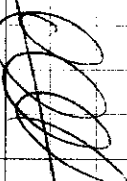
26 in to

East foot road

End of road

STANT had been actually
there for a while

West leaving

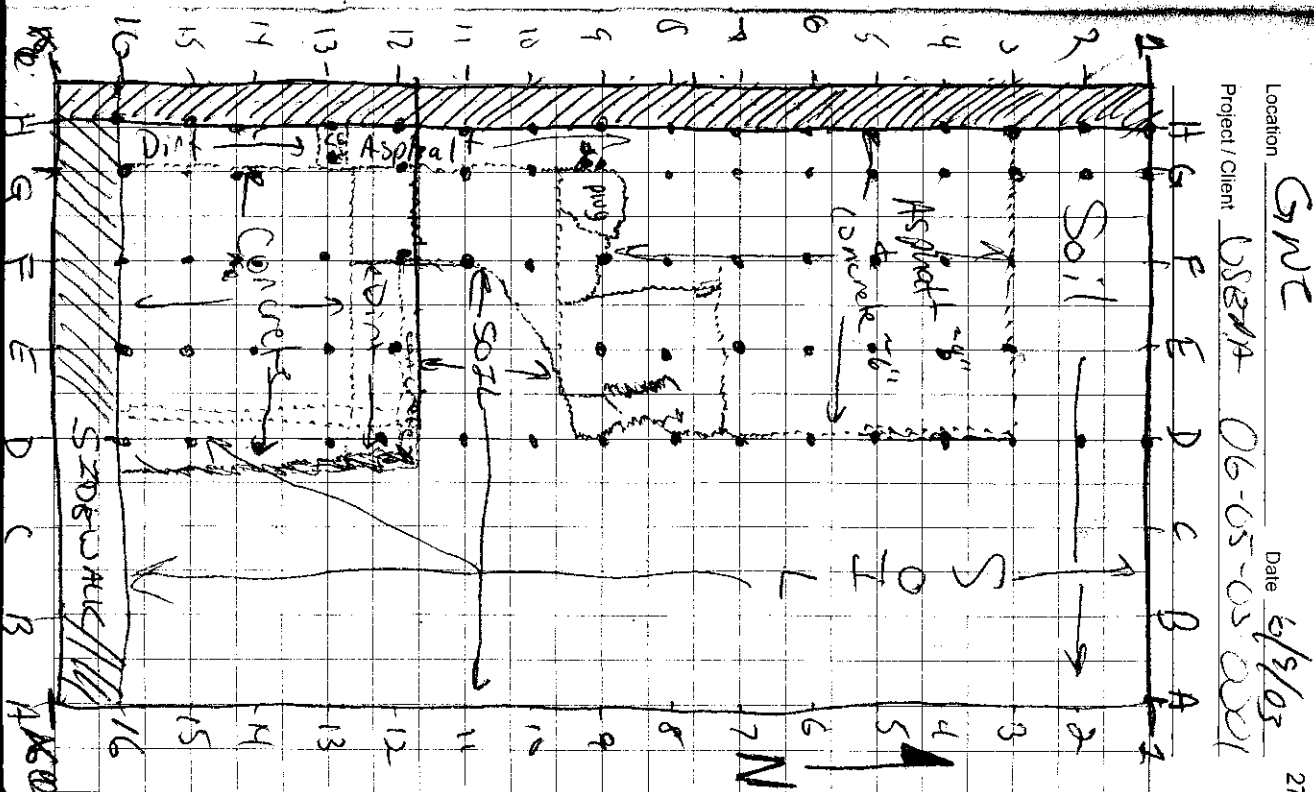
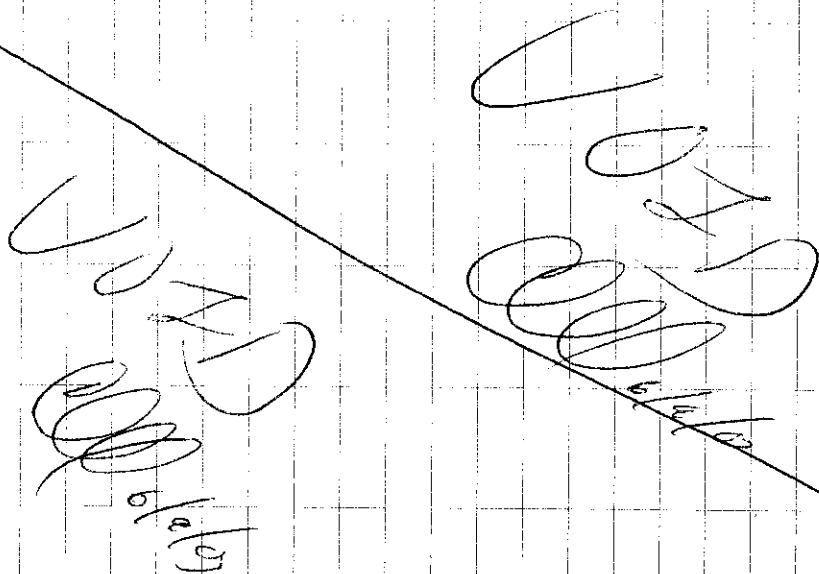
 6/6/03

Location GN 2

Project / Client

Date _____

6/25



Location

Gr 102 So. 15

Date

6-10-03

Project / Client

USBRPA

TDD CG - 05-03-000

12632 Oct. 121. 1784

0530 Start H-100 survey in
0600 Start Reef H-100
0730 Start H-100 / Reef H-100
0800 Start H-100 / Reef H-100
1000 Capture H-100
1100 Capture H-100
1200 Start H-100
1300 Start H-100
1342 Start H-100
1535 Start H-100
1651 Start H-100
1750 Start H-100

6/11/03

Location

Gr 102 So. 15

Date

6/11/03

Project / Client

USBRPA

TDD CG - 05-03-000

121. 1784

0530 Start H-100 survey in
0600 Start Reef H-100
0730 Start H-100 / Reef H-100
0800 Start H-100 / Reef H-100
1000 Capture H-100
1100 Capture H-100
1200 Start H-100
1300 Start H-100
1342 Start H-100
1535 Start H-100
1651 Start H-100
1750 Start H-100

6/11/03

Location

GNT 50.15

Date

6-12-03

Project / Client

USFPA

16-05-05-0001

12632 001.121.1784

10730

START Hall arrives on site

(

START BSSWD & BHLR.

(

Safety, 13 load floors & 100000

(

to 4940F winds 70 mph from

(

West & 30% Rain

10800

START 2000, 2000 & 2000 Day

1

balloons & tools, Start 0000

1

Pocky's first sample pin.

11900

Junk high

11300

End of length

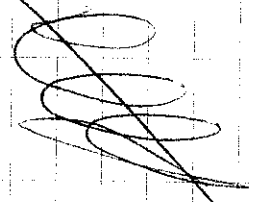
1900

Start Hall leaves site for

1

an Emergency Response.

6/13/03



Location

GNT 50.15

Date

6/13/03

Project / Client

USFPA

16-03-05-0001

121.1784

10800

Start Hall arrives on

(

site & begins turning down

(

to clearing. First turning down

(

trailer & generator & find

(

distances

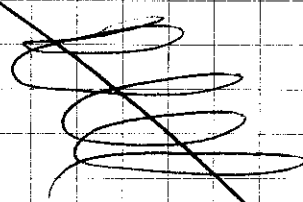
1630

Start Hall east side

(

climate conditions of

6/13/03



Date 6/25/03

Project/Client GOV. Soils

through 6/25/05

TDP 06-05-05-0001

1700
Sent to the editor of the

to for Vogen, Newark at
direction of OSC. ELO to

CH/DC Data for Lancaster

Assumed Legend

EPH - Lisa Moore

Office on 6/26/03
 Street Date 8/1/04

Moose 80 lbs Vase 100 lbs

1892

1702 Found wood for log - 2

0100 6/27/6 J. K. [unclear]

172. *Junco* *carolinensis* + *carolinensis*

1000 Avenue Houston Holly

Conybeare

W.D. Kelly
6/26/03
06-03-05-001

Project / Client