



ecology and environment, inc.

International Specialists in the Environment

BUFFALO CORPORATE CENTER

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Tel: 716/684-8060, Fax: 716/684-0844

October 28, 1996

J. Andrew Fleck
Environmental Engineer
New York State Department of Environmental Conservation
Technical Support Section
Division of Environmental Remediation
50 Wolf Road
Albany, NY 12233



Re: Dearcop Farm, Site #8-28-016
W.A. #D002625-14
Interim Remedial Measure (IRM) Final Report

Dear Mr. Fleck:

Ecology and Environment Engineering, P.C., (E & E) is pleased to submit six copies of this final report summarizing the field activities associated with the Interim Remedial Measure (IRM) at the Dearcop Farm Site in Gates, New York (NYSDEC Site No. 8-28-016). Additional copies were also provided to Todd Caffoe in the NYSDEC Region 8 office, David Napier of NYSDOH, and Joe Albert of the Monroe County Health Department. The IRM activities were carried out by Griffin Industrial Services, Inc. (GIS) of New Woodstock, New York. E & E subcontracted GIS under the NYSDEC Standby Contract and oversaw all phases of their work.

The report consists of a summary of the daily field activities, identification of any variance from the contract documents, a summary of post-excavation activities, and a table of the final quantities. Attached to the report as appendix are a copy of E & E's field log, a set of documentation photos, a summary of the laboratory data and the land surveyor's report. The complete data package has not yet been submitted to E & E by GIS. This complete data package will be submitted to NYSDEC upon receipt by E & E.

Summary of Daily Activities

Day 1 June 26, 1996

- GIS mobilizes to site.
- Constructed stockpile on landfill portion of the site.
- NYSDEC/NYSDOH representatives laid out excavation areas.
- GIS completed hand excavation at #129, #132, #161 N, and 161 S.

Day 2 June 27, 1996

- Completed initial excavation at #206.
- Begin to place cover on soil stockpile.

Day 3 June 28, 1996

- Received analytical results summary from GIS's laboratory subcontractors. As presented in the analytical summary table presented in the appendix, samples from #129 and #161 N exceeded cleanup goals.
- Sample 161-S4 from the northwest corner of the #161 S excavation was not received on this day. Results are discussed below.
- Excavated additional area at #129 and #161 N based on analytical results.
- Excavated additional area at #206 based on visual inspection as directed by NYSDEC/NYSDOH.
- Backfilled #206.

Day 4 July 1, 1996

- Received analytical results summary from the laboratory. #161 N still exceeded cleanup goals, as presented in the analytical summary table in the appendix.
- Excavated additional area at #161 N.
- Backfilled #129, #161 S, and #161 N.*
- Topsoil and sod excavation areas and repaired wheel ruts.
- Complete cover on stockpile.
- Demobilize equipment.

* GIS chose to backfill #161 N prior to receiving analytical results. Oral results received late afternoon were below action levels.

Variations From Contract Documents

Prior to the start of the IRM, NYSDEC indicated to E & E that a fourth residence, #132, would require some excavation as well, due to the presence of mercury.

There were no major variations from the contract documents during the IRM work. The minor variations are identified below and did not affect the quality or completeness of the work.

As indicated above, analytical results were not received for sample 161S-4 on June 28, 1996. Results were received after work had been completed at the site. The lead concentration in this confirmatory sample was 406 mg/kg. This result was within 1.5% of the action level for this metal. In consultation with NYSDEC, it was determined that this concentration was not significantly different from the action level of 400 mg/kg, especially considering the typical variability inherent from soil heterogeneity and finite laboratory precision, and thus did not indicate additional excavation under this IRM was needed. It is also noted that the three other samples taken from this excavation were found to have significantly lower amounts of lead (31, 60, and 120 mg/kg). The NYSDEC will take additional samples in this area to determine whether or not additional excavation may be needed in the future.

40-mil LDPE liner was substituted for the stockpile in place of 40-mil HDPE specified.

J. Andrew Fleck
October 28, 1996
Page 3

A hard copy of electronic field notebook files was provided in lieu of a hard bound field notebook. Surveyor also provided an electronic drawing file in AutoCad R12 format.

Mercury analysis was included in the confirmation sampling at #132 as directed by NYSDEC. The cost for the additional analysis will be handled as a change order.

Post-excavation Restoration Activities

Following the completion of excavation and receipt of analytical results below the action levels (Pb < 400 mg/Kg, Cd < 10 mg/Kg, Hg < 10 mg/Kg) the excavations were back-filled. A minimum of six inches of topsoil was placed over the backfill material and lightly compacted. Finally sod was placed over the excavation areas with the exception of

#129 where the excavation was in an area being used as a driveway. Areas beyond the excavation limits were repaired with topsoil and seed.

GIS was directed to repair the disturbed areas at #206 on August 16, 1996 due to a complaint received by the landowner that the sod had died. Upon re-inspection by E & E, GIS was directed to re-grade #206 with topsoil and over-seed the excavation area.

Final Quantities

The final quantities for payment as defined by the Measurement and Payment section of the Contract Documents (sec. 01025) are presented in the table below by bid item. The quantity which was included in the Contract Documents for bid item 6 - Final site grading, topsoil, and landscape was incorrectly listed as 20 square yards. The bid quantity should have been 40 square yards based on the areas indicated on the drawings and the estimated volume of soil to be excavated. (This is true because the excavation depth was specified as three feet for all excavations.)

If you have any questions regarding the work summarized in this report, please contact me at 716/684-8060.

Sincerely yours,



Jon Sundquist, Ph.D.

Enclosure

xc: Joe Albert, Monroe County Health Dept.
Dave Napier, NYSDOH
Todd Caffoe, NYSDEC

APPENDIX A

Ecology and Environment Engineering, P.C.

Field Log Book

463-6945
662-7400



E & E Job Number _____

Telephone Code Number _____

Site Name DEARCOP Farm SITE

INTERIM REMEDIAL MEASURES

City/State GLATS, NY

TDD _____

PAN _____

SSID _____

Start/Finish Date 6/26/96 | 7/1/96

Book 1 of 1

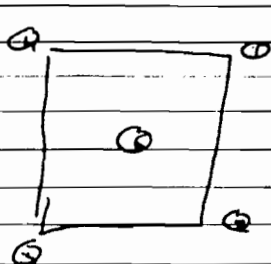
E & E Emergency Response Center: (716) 684-8940

E & E Corporate Center: (716) 684-8060

MEDTOX Hotline: (501) 370-8263

E & E Safety Director (Home): (716) 655-1260

TYPICAL SAMPLE # FOR SMALL BLDG



House # - Node #

6-16-76

09:15 - J. V. on-site, A. Flick (NYSDEC) on-site
09:30 - A.F. indicates that #206 Disposal will not

be available to contractor until tomorrow. He was contacted by Homeowner 6/24 pm.

Also Mercury analysis needs to be added to #132 Disposal Verification samples.

09:30 - Mr. Byrne (Griffin) on-site, AF off-site
Fill marking paint. Inform MB. of
changes at #206 + 132.

09:00 - NYSDOH (D. Napoli) on-site

Griffin crew on-site. Discussed final comments to Griffin HNSP w/ Mr. Byrne - He will make

changes to field copy. Biene crew signs-off show Griffin stock pile location - N. side of path located from Disposal to Varn. Biene

material was but scraped from surface of south side of path. NYSDOH + NYSDOH mark out excavation areas, survivors
Biene for pre-excav. survey.

10:00 - R. News + Diodorot + Citronius on-site

30 Talk only to NYSDOH + NYSDOH

10:45 - Griffin begins excavations @ 126

11:30 - NYSDOH off-site

12:30 - #126 done + closed up - samples taken

12:45 - Start #132 - OK'd ~~start~~ field

direction for delay of 1 day

due to #206 being unavailable + 48 hr
turn around on Mercury

13:45 - Complete #132, start #161 N + S

161 N is approx 2.5 cy. Griffin counted hundreds
foundry sand - just Biene samples of #161. Identified
ability to get Biene to Biene of #161.

4/20/74

NYSDEC STATED THAT THEY COULD NOT USE ~~ANYTHING~~ OF ADJACENT HOUSES. GRIFFIN CONTINUED BY HAND. DISCUSSED AIR-MONITORING NEEDS OF NYSDEC. - M. BYRNE HAS ASKED IF GRIFFIN COULD CUT LOTS UPSTAIRS LABS (SUB PROBLEMS AIR MONITORING TURT) TO SAVE SOME MONEY. NYSDEC HAS NO PROBLEM FOR DOING SO FOR REMAINING HAND WORK SINCE SOILS ARE SATURATED AND NO FURTHER DUST AND BLOW DEFLECTED TO THIS POINT. M. BYRNE SAID UPSTAIRS WOULD KNOCK OFF AT 14:00. GRIFFIN WOULD RENT A MAN-RAM FOR TOMORROW'S WORK.

NOTE: NYSDEC HAS REQUESTED A DOCUMENTATION SYSTEM FOR SOILS TRANSPORT TO STOCKPILS "JUST A PILE OF PAPER SHOWING IT LEFT THE EXCAVATION AND ARRIVED AT THE STOCKPILE". AGREED TO A TABLE INDICATING LOAD SIZE, HOUSE #, DEPARTURE TIME AND ARRIVAL AT STOCKPILS.

1500 - STILL EXCAVATION #161 N+S. I PROPOSE TO NYSDEC + GRIFFIN THAT WE COLLECT THE PRELIMINARY SAMPLES AT #161 N+S AND #206 PRIOR TO COMPLETING EXCAVATION. THIS WILL ALLOW SAMPLES RESULTS TO BE AVAILABLE TOMORROW PM TO DETERMINE IF EXCAVATION WILL GROW. THE HOLE BOTTOM SAMPLES DO NOT AFFECT THE EXCAVATION SIZE - THE 3' DEPTH IS RISK BASED. NYSDEC AGREES WITH THIS APPROACH.

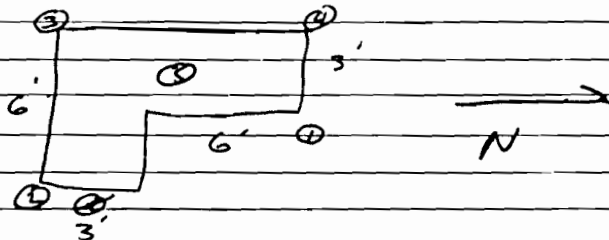
15:45 - GRIFFIN FINISHES COLLECTION OF SAMPLES AT #161 N+S + 206 (PRELIMINARY)

4/20/74

I QUESTIONED GRIFFIN / EXPRESS REGARDING FIND DUPLICATES. THEY WILL DCP. 1090 INCLUDING 1 OF THE MERCURY SAMPLES.

1630 - #161 S COMPLETE - BOTTOM OF EXCAVATION SAMPLED.

1800 - COMPLETE #161 N - SAMPLE BOTTOM OF EXCAVATION #161 WMS SAMPLES AS SHOWN BELOW AS PER NYSDEC.



1830 EXCAVATIONS CLOSED UP. GRIFFIN'S EQUIP. INSIDE FENCE. GATES LOCKED. ALL DEPART SITE.

~~Handwritten signature and scribbles~~
G-26-26

0800 - ON-SITE. GRIFFIN ON-SITE
 NYSDE (A. FLECK) + NYSDOH (D. NAYDOR)
 CHECKING #129 BARRIERS + *
 GRIFFIN PREPARED TO EXCAVATE AT
 #206 - NYSDE + M. BYRNE TRUCKED TO
 HOMEOWNER RE-MOVING VEHICLES FROM DRIVEWAY.

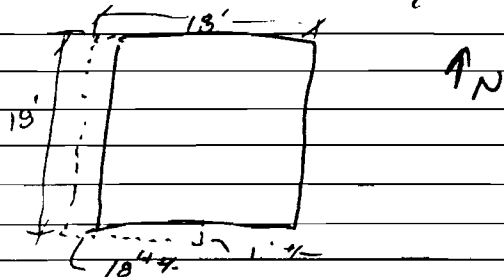
0830 - START EXCAVATION - HAD TO REMOVE
 GRIFFIN TO BROTHERS DR + MONTGOMERY
 DUST. HOMEOWNER IS VERY CURIOUS
 ABOUT WORK - SHE IS ALONG SIDE
 EXCAVATION CONSTANTLY

0915 - NYSDE REG. B ON SITE (MARY JANE + BOB)

0950 - FAT TRUCK LOADED TO STOCKPILE

1000 - CHANGE TO CAMERA CREW ON-SITE. FILM
 FROM DRIVEWAY.

10:15 - NYSDE + NYSDOH EXPAND EXCAVATION
 BASED ON VISUAL - LIGHT COLORED SAND
 AND A POCKET OF GARBAGE, MOSTLY BOTTLES,



10:30 - SECOND TRUCK TO STOCKPILE - BACKHOU
 WENT TO DUSH UP STOCKPILE

11:50 - EXCAVATION OF #206 COMPLETE - BOTTOM SAMPLES
 TAKEN. 1 ADDITIONAL SAMPLE #206-6
 TAKEN FROM E-NW SIDE WITH OF LIGHT
 COLORED SANDY SOIL AS PER NYSDE/NYSDOH

6/27/96

1200 - NYSDOH OFF-SITE
 GRIFFIN BRINGS FOR LOUCH. M. BYRNE
 OFF-SITE TO EXPRESS LABS w/ SAMPLES

12:40 - GRIFFIN CLOSING UP #206 LOCAL
 AND START DRIVING UP STOCKPILE.
 SOIL WAS PLACED ON POLY ALONG SIDE
 STOCKPILE DURING #206 LOCAL AND NAPS
 TO BE PUT WITHIN BLEM.

14:30 - COMPLETE DRIVING 3/4 OF STOCKPILE - SW
 CORNER IS LEFT ACCESSIBLE IN CASE ADDITIONAL
 EXCAVATION IS REQUIRED. I CHECKED SITE
 ALONG THE CANAL SIDE - THE SOUTHERN
 FENCE HAS BEEN PARTIALLY TAKEN DOWN (THE FENCE)
 THE N-FENCE HAS A FOOT PATH AROUND THE
 END.

15:00 - DISCARD BACKHOUS AND EQUIPMENT
 GRIFFIN BACKHOUS + LOADED TO #206 TO MOVE
 A LILAC BUSH FOR THE HOMEOWNER AS "A TREE"

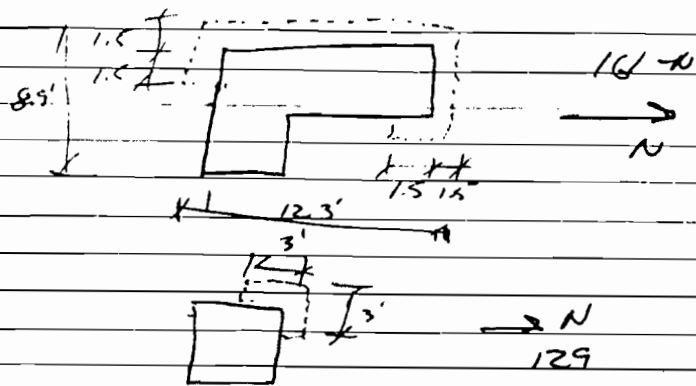
15:30 - M. BYRNE RETURNS TO SITE.
 GRIFFIN OFF-SITE - FENCE LOCKED UP.
 J. VAUGHN OFF-SITE.

21:50 - VOICED MAIL FROM M. BYRNE @ 17:15. HE HAS
 ANALYTICAL DATA - THESE ARE SLOTTED HTS.
 CALLS M. BYRNE AT HOME. HTS FOR Cd e
 161 N 1, 3, 4 AND Pb AT 129-4.

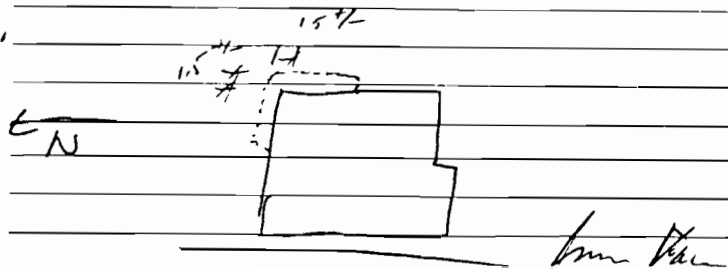
[Handwritten signature]

4/26/46

0800 - ON-SITE NYSDOT (A. FLECK) AND
 THE BYRON GRIFIN ON-SITE.
 REVIEW DATA (PRELIMINARY) w/ GRIFIN
 AND NYSDOT. NYSDOT ALSO WANTS
 TO OVER-EXCAVATE #206 NB CORNER -
 FOUND A JAR w/ A WHITE GUE. CLAYS YESTERDAY.
 0830 - NYSDOT + I MARK OUT ADDITIONAL AREA
 AT #161N

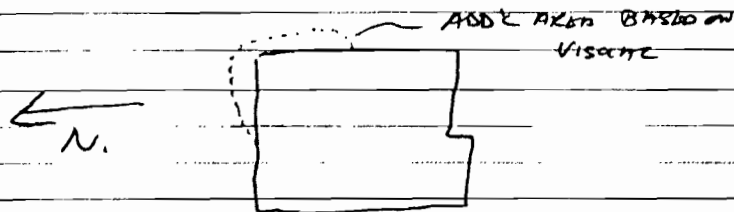


0900 - GRIFIN BEGINS TO EXCAVATE #161N
 THEY RECEIVED PERMISSION FROM HOMEOWNERS
 AT #171 TO USE THEIR DRIVEWAY TO ACCESS
 AREA w/ BACKHOLD. EXCAVATED SOILS PLACED
 ON POLY THEN SHOVED INTO FRONT BUCKET
 FOR TRANSPORT TO STOCKPILS.



4/26/46

10:30 - FINISH EXCAVATION + HANDED MATERIAL
 @ #161N. REPAIRED FENCE.
 10:45 - BEGIN EXCAVATION @ #129
 SURVEYORS ON-SITE
 11:30 - FINISH #129, START #206 AS DIRECTED BY NYSDOT
 CLOSE UP #129
 12:00 - FINISH @ #206 NYSDOT/NYSDOT OK w/ FINAL EXCAV.



GRIFIN GIVING BARRIERS MATERIAL / TAKING
 LUNCH.

13:30 - BEGIN BACKFILL #206
 14:30 - A. FLECK (NYSDOT) OFF-SITE
 15:00 - COMPLETE BACKFILL, BEGIN PLACING TOPSOIL
 - TOPSOIL HAS NUMEROUS LARGE ROCKS WHICH
 GRIFIN HAS TO PICK OUT BY HAND.
 16:00 - COMPLETE TOPSOIL + SODDING @ #206 ~ 25% SODDING
 WITH SOD - WILL COMPLETE 7/1. GRIFIN REPORTS
 VIBRATES ON HS @ #132. ALL BELOW 3ppm +/-
 16:45 - #132 HAS BEEN BACKFILLED AND TOPSOILED
 SO THAT BARRIER CAN BE REMOVED FOR
 THE WHEELAND.
 17:00 - NYSDOT OFF-SITE ALL OFF-SITE.

[Handwritten signature]

0800 - J. VASITH ON-SITE, NYSDOH (D. NAIR) ON-SITE. NO ANALYTICAL WORK PERIOD TO B+B'S OFFICE AS OF 0700 THIS AM.

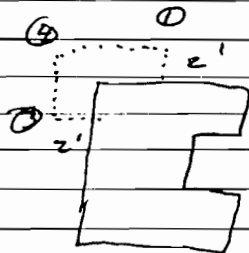
0900 - CALL MR. BYRNE @ GRIFFIN - VERBALS ALL ACTION LINES EXCEPT 161N - NW COR. GRIFFIN CROW ON-SITE.

09:50 - START EXCAVATING NW COR. OF 161N #161 SOUTH HAS BEEN 129 HOURS BEEN

BACKFILLED AND TOPSOILED

1000 - FIRST FEET BOTTOM OF SOIL TO STOCKPILE

10:30 MR. BYRNE ON SITE @ 10:15. COLLECTED CONFIRMATION SAMPLES AT #161 NORTH - NW



10:45 - MR. SHAFIN ON-SITE TAKE SAMPLES TO EXPRESS LABS.

11:00 START EXCAVATION #161N - NW COR

11:45 FIRST BUCKET TO STOCKPILE

12:45 SECOND BUCKET TO STOCKPILE EXCAVATION COMPLETE.

1300 - GRIFFIN BREAKS FOR LUNCH

1330 - GRIFFIN OFF-SITE FOR ADDITIONAL BACKFILL BEEN PLACING SOIL @ #132, #206 AND #161 CONT.

7-1-96

13:30 INFORMED MR. BYRNE THAT #206 NEEDS TO BE CONT. DRESSED UP - THE NORTH SIDE HAS A DIP IN IT.

13:45 - NYSDOH OFF-SITE

14:30 - BEGIN BACKFILLING #161 NORTH. GRIFFIN DECIDE TO BACKFILL ENTIRE ROW KNOWING THAT IF SAMPLES FROM THIS MORNING COR'D BACK TO ACTION LINES THEY WILL "UNDO" SOME OF THE GEMER.

1500 - TRUCK OFF-SITE FOR TOPSOIL

15:45 - TRUCK RETURNS w/ TOPSOIL

1600 - BACKHOE BROKE DOWN - WONT START.

1700 - UNABLE TO GET BACKHOE RUNNING - BEGIN FINISHING TOPSOIL FOR #161 NORTH AND LABEL RUNS BY HAND. FINISH FINING #206 NORTH LOGS. VERBAL RESULTS ON #161 NORTH - NW

①	171 / 6.2	87.91%
②	110 / 6.21	87.34%
③	93 / 6.2	89.72
④	87 / 6.2	90.14

TRIED TO CALL A. FELIX - NO ANSWER

20:00 CALLED D. NAIR @ HOME TO LET HIM KNOW WE WOULD BE FINISHED TODAY.

20:00 - TOPSOIL AND SOILING FINISHED @ #161

STILL UNABLE TO START BACKHOE WORKING ON LOADING BACKHOE ONTO TRAILER USING WEIGHT OF DUMP BOX TO DRAG MACHINE ONTO TRAILER.

21:30 - BACKHOE LOADED AND SECURED. SITE FENCES LOCKED UP. → VASITH OFF-SITE.

[Signature]

APPENDIX B

**Pre/ Post Construction
Documentation Photographs**

Drive

Survey Baseline

PT. #7 PK Nail
N:10612.17
E:19808.17
EL. 95.6

129

Survey Baseline

N 89°47'30" W
206.43'

PT. #3 PK Nail
N:10540.86
E:20001.89
EL. 96.5

Excavation Areas

PT. #6 PK Nail
N:10347.53
E:19828.05
EL. 96.3

161

N 75°35'40" W
178.53'

Survey Baseline

Dearcop

132

Excavation Area

S 89°44'30" E
113.78'

Survey Baseline

PT. #8 PK Nail
N:10540.36
E:20115.65
EL. 96.7

PT. #2 PK Nail
N:10303.12
E:20000.97
EL. 95.9

Survey Baseline

206

Excavation Area

S 84°14'40" E
184.40'

Survey Baseline

PT. #1 PK Nail
N:10000.00
E:20000.00
EL. 100.0

PT. #5 6" Spike
N:9981.51
E:20183.47
EL. 98.6

Lane

Varian

PT. #7 PK Nail
N:10612.17
E:19808.17
EL. 95.6

129

BT Drive

Survey
Baseline

N 69°47'30" W
206.43'

2nd
Excavation
Area

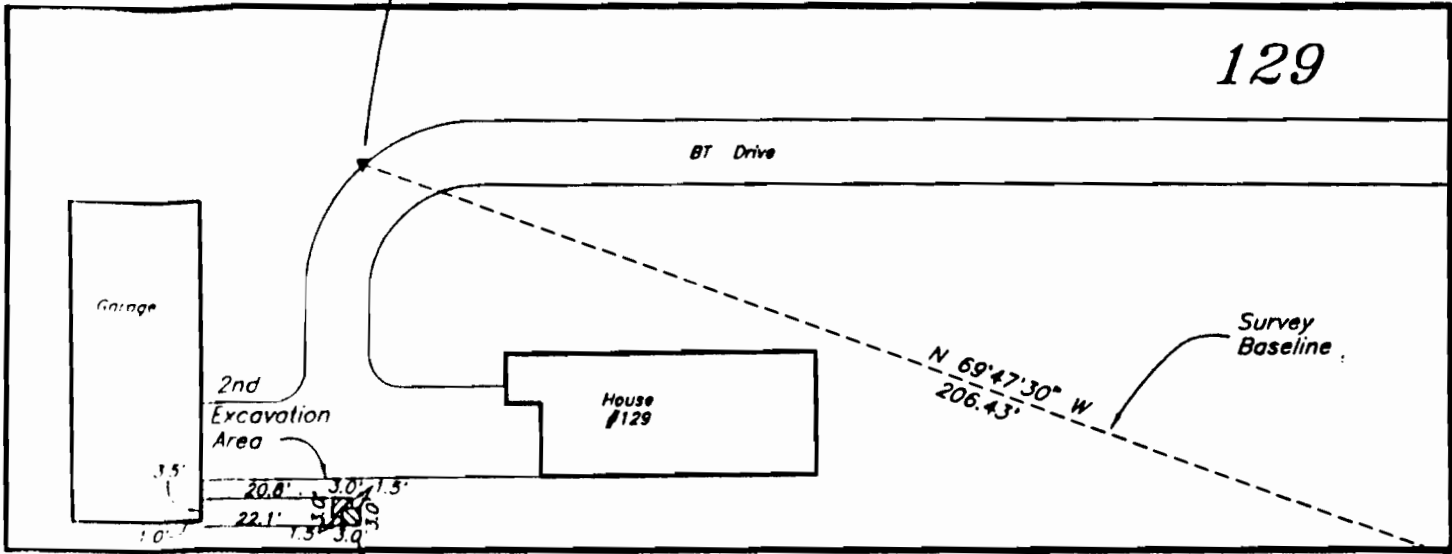
House
#129

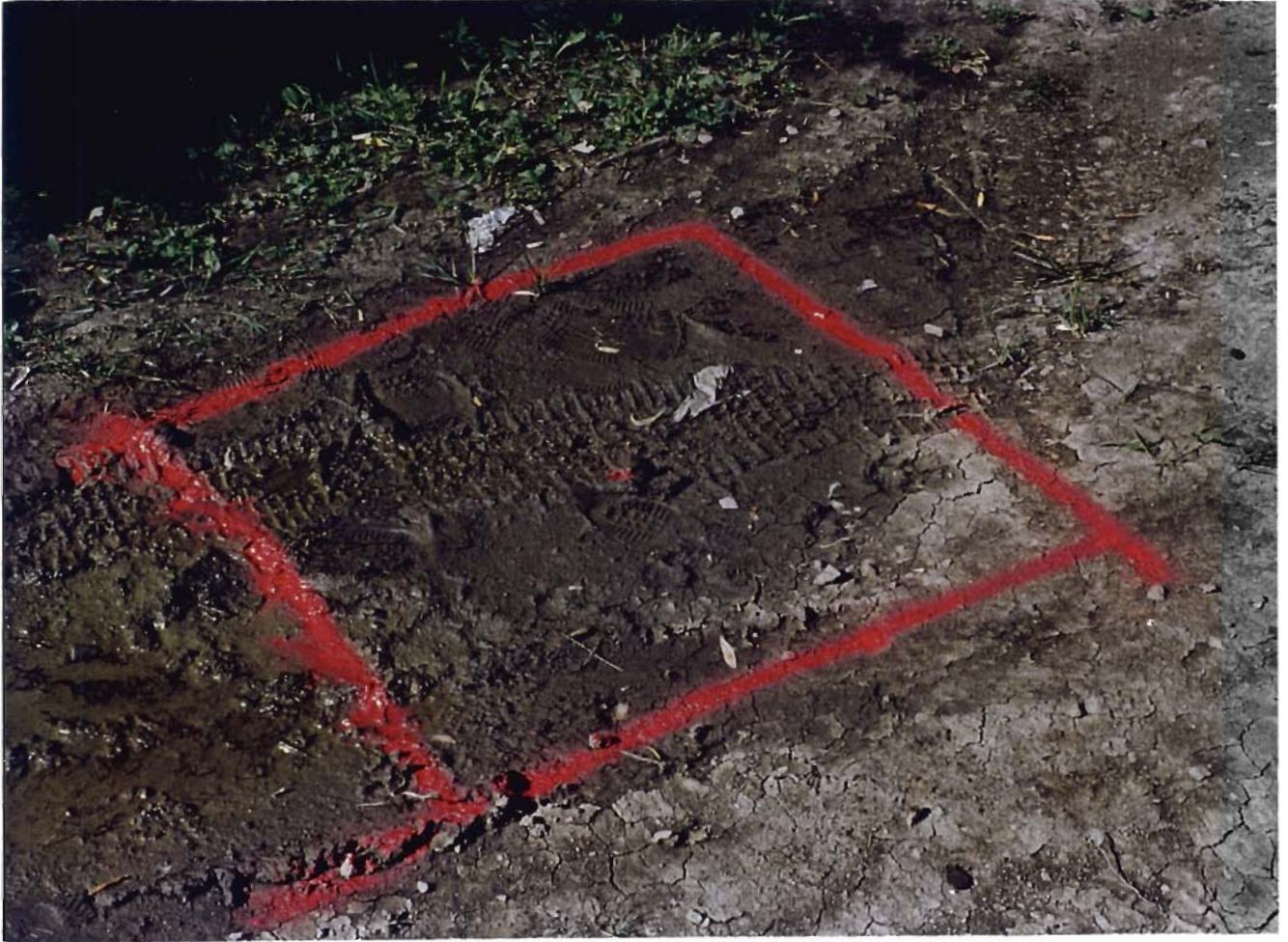
1st
Excavation
Area

PT. #3 PK Nail
N:10540.86
E:20001.89
EL. 96.5

Site 129 Detail

(Scale 1"=30')





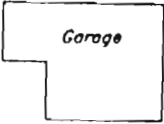
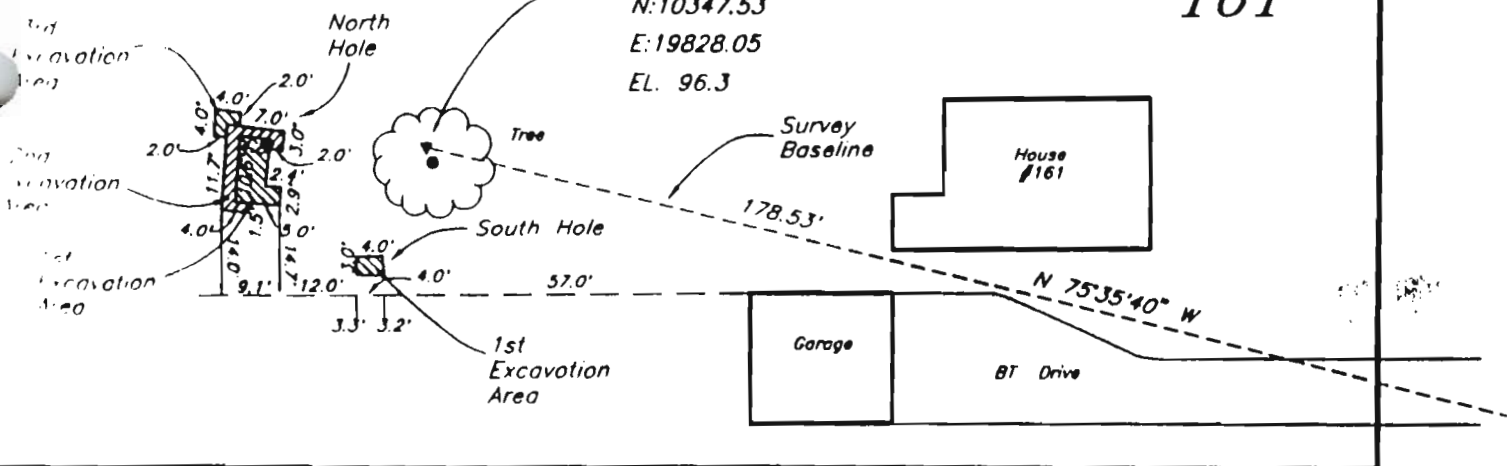
DEARCOP SITE 129 - BEFORE



DEARCOP SITE 129 - AFTER

161

PT. #6 PK Nail (In Tree Root)
N: 10347.53
E: 19828.05
EL. 96.3



Site 161 Detail

(Scale 1"=30')



DEARCOP SITE 161 NORTH - BEFORE



DEARCOP SITE 161 NORTH - AFTER



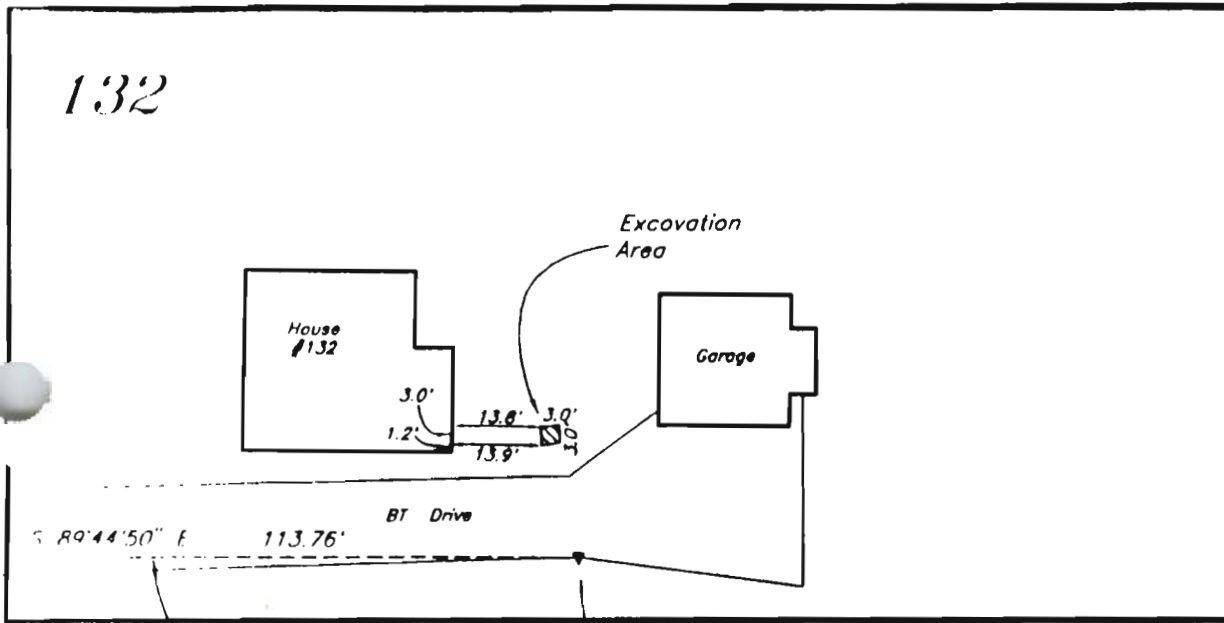
DEARCOP SITE 161 SOUTH - BEFORE



DEARCOP SITE 161 SOUTH - AFTER

Site 132 Detail

(Scale 1"=30')



132

Excavation Area

House #132

Garage

BT Drive

S 89°44'50" E 113.76'

Survey Baseline

PT. #8 PK Nail
N: 10540.36
E: 20115.65
EL. 96.7

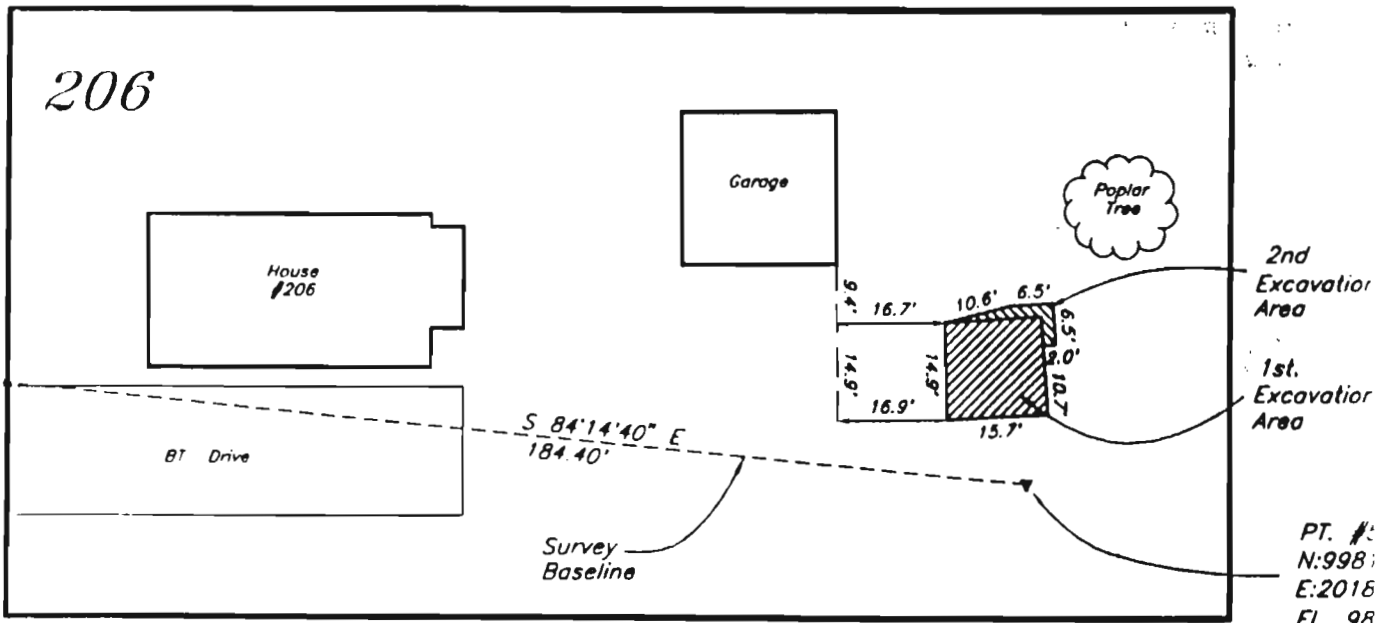


DEARCOP SITE 132 - BEFORE



DEARCOP SITE 132 - AFTER

Dearcop Drive



Site 206 Detail

(Scale 1"=30')



DEARCOP SITE 206 - BEFORE



DEARCOP SITE 206 - AFTER

I-490 (Eastbound)

Approx. Location Of Chain Link Fence

PT. #9 6" Spike
N:11045.48
E:20188.03
EL. 100.9

PT. #4 PK Nail
N:10945.60
E:20000.00
EL. 94.9

N:11032.2
E:20295.5

Stockpile Area

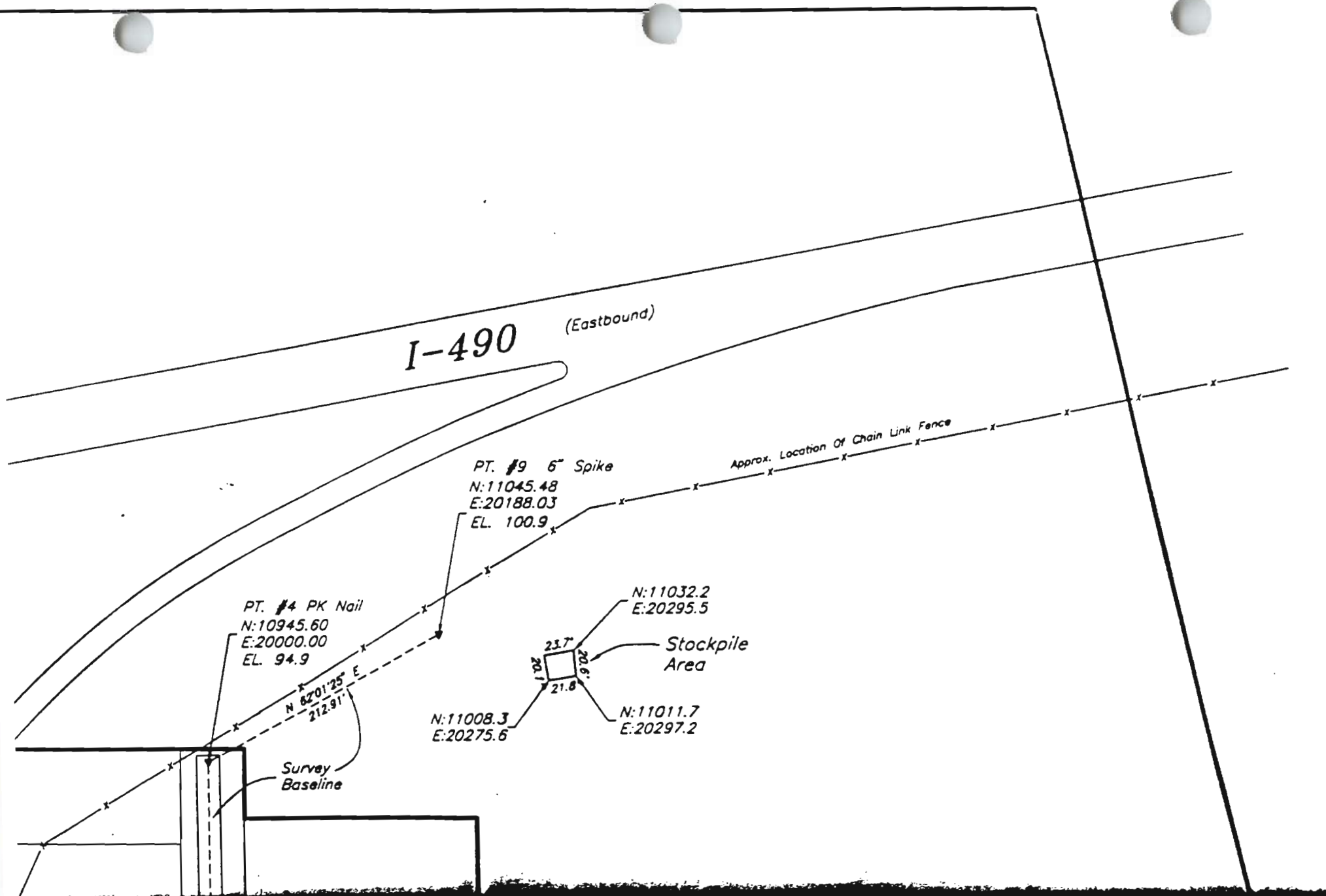
N:11008.3
E:20275.6

N:11011.7
E:20297.2

Survey Baseline

N 62°01'25" E
212.91'

23.7'
20.1'
20.6'
21.8'





DEARCOP STOCKPILE - BEFORE



DEARCOP STOCKPILE - AFTER

APPENDIX C

Summary of Laboratory Data

Complete Data Package to be submitted under separate cover

SUMMARY OF ANALYTICAL DATA
 INTERIM REMEDIAL MEASURE, DEARCOP FARM SITE
 GATES, NEW YORK
 NYSDEC SITE NO. 8-28-016

Laboratory ID	Sample ID	Location	Cadmium Action level 10 mg/Kg	Lead Action level 400 mg/Kg	Mercury Action level 10 mg/Kg
8878	161N-1	161N-NE corner	13.85	153.70	
8879	161N-2	161N-SE corner	3.19	42.98	
8880	161N-3	161N-SW corner	17.23	193.60	
8881	161N-4	161N-NW corner	11.41	145.20	
8882	161S-1	161S-NE corner	6.30	120.40	
8883	161S-2	161S-SE corner	ND	60.29	
8884	161S-3	161S-SW corner	2.95	31.00	
8885	161S-4	161S-NW corner	5.21	405.90	
8886	129-1	129-NE corner	3.76	181.40	
8887	129-1D	129-NE corner field duplicate	4.29	174.50	
8888	129-2	129-SE corner	3.80	156.60	
8889	129-3	129-SW corner	3.31	168.70	
8890	129-4	129-SW corner	2.71	521.40	
8891	129-5	129-bottom	ND	17.43	
8892	132-1	132-NE corner	ND	97.48	
8893	132-2	132-SE corner	ND	17.01	
8894	132-3	132-SW corner	ND	109.00	
8895	132-4	132-NW corner	ND	109.10	
8896	132-5	132-bottom	2.87	24.57	
8897	206-1	206-East side	ND	109.40	
8898	206-2	206-South side	ND	166.50	
8899	206-3	206-West side	ND	123.00	
8900	206-4	206-North side	ND	160.96	
8901	2006-4D	206-North side field duplicate	ND	120.50	
8902	132-1	132-NE corner (mercury)			0.64 ¹
8903	132-2	132-SE corner (mercury)			0.65 ¹
8904	132-3D	132-SE corner (mercury) field duplicate			3.00 ¹
8905	132-3	132-SW corner (mercury)			2.60 ¹
8906	132-4	132-NW corner (mercury)			0.78 ¹
8907	132-5	132-bottom (mercury)			0.28 ¹
8946	206-B1	206-bottom NE	ND	58.38	
8947	206-B2	206-bottom SE	ND	36.00	
8948	206-B3	206-bottom SW	ND	11.38	
8949	206-B4	206-bottom NW	ND	85.85	
8950	206-B5	206-bottom center	ND	65.29	
8951	206-B6	206-sidewall NE corner	ND	7.02	
8952	161N-5	161N-bottom	ND	22.96	
8953	161S-5	161S-bottom	ND	16.79	
8980	129-R4	129-NW corner second round	ND	99.64	
8981	161N-R1	161N-NE corner second round	ND	76.84	
8982	161N-R3	161N-SW corner second round	7.97	125.20	
8983	161N-R4	161N-NW corner second round	13.04	125.80	
8987	161N-RR1	161N-NE corner third round	ND	87.02	
8988	161N-RR3	161N-SW corner third round	ND	93.02	
8989	161N-RR4	161N-NW corner third round	6.21	110.33	
8990	161N-RR4D	161N-NW corner third round field duplicates	ND	171.21	

¹Preliminary result only

APPENDIX D

Land Surveyor's Notes

Surveyor's Drawing Included in Back Pocket

PAUL V. CRANDALL

Professional Land Surveyor

1561 Brace Road

Victor, NY 14564-9312

(716) 924-8240 * Fax 924-2969**

July 17, 1996

Job No. 962442

**New York State Department
Of
Environmental Conservation**

**DEARCOP FARM SITE
Dearcop Drive
Town of Gates
Monroe County, New York**

Client:

Griffin Industrial Services Inc.

P.O. Box 10210

Rochester, NY 14610

Attention: Mr. Thomas Humiston

A:\962442 Disc \ Report.lwp

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Griffin, Dearcop Dr. Gates, NY

TIME: 16:31 DATE: 06-26-1996

RAW DATA

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Griffin, Dearcop Dr. Gates, NY

TIME: 16:31 DATE: 06-26-1996

RAW DATA

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Griffin, Dearcop Dr. Gates, NY

TIME: 16:31 DATE: 06-26-1996

RAW DATA

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Griffin, Dearcop Dr. Gates, NY

TIME: 16:31 DATE: 06-26-1996

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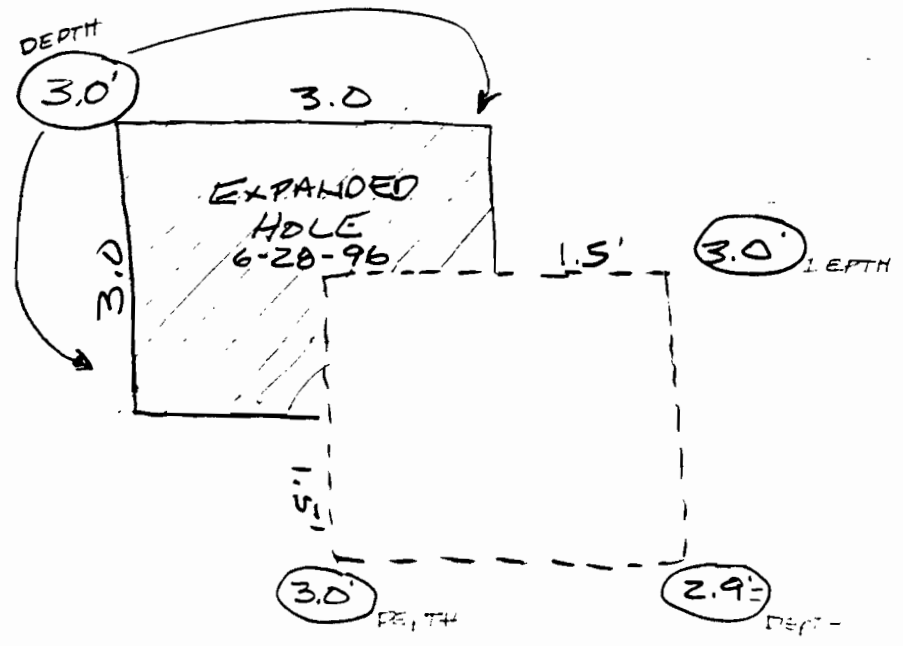
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SS,OP9,FP80,AR225.0215,ZE90.2445,SD139.865,--GND
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SS,OP9,FP82,AR243.5405,ZE90.2950,SD93.825,--GND
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SS,OP9,FP84,AR212.1735,ZE90.3555,SD60.710,--GND
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6-28-96
DL-EL

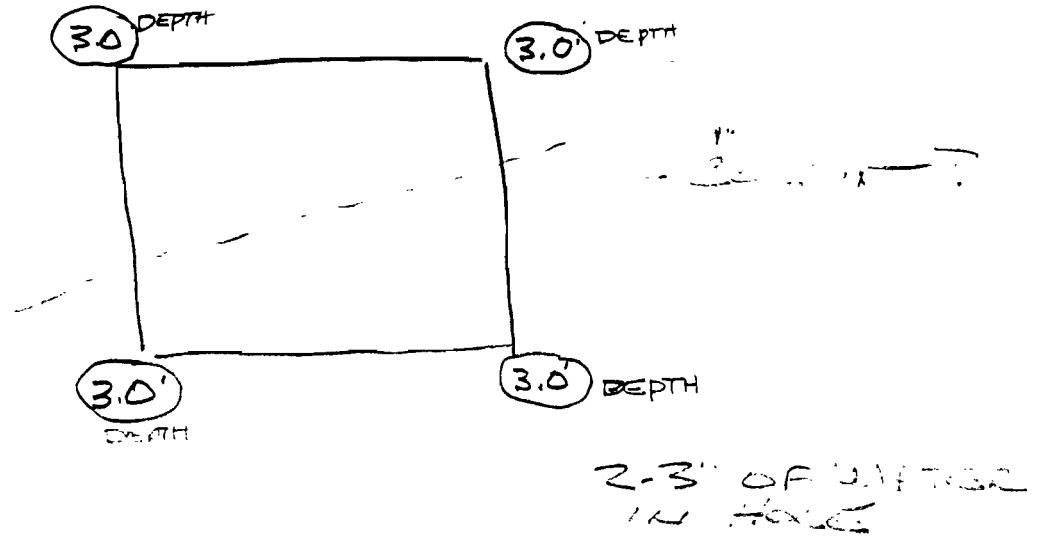
House #129



3"± OF WATER
IN HOLE

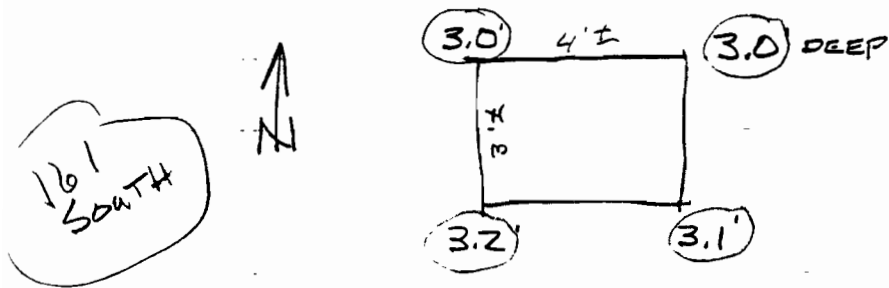
6-28-96
DL-EC

HOUSE # 132



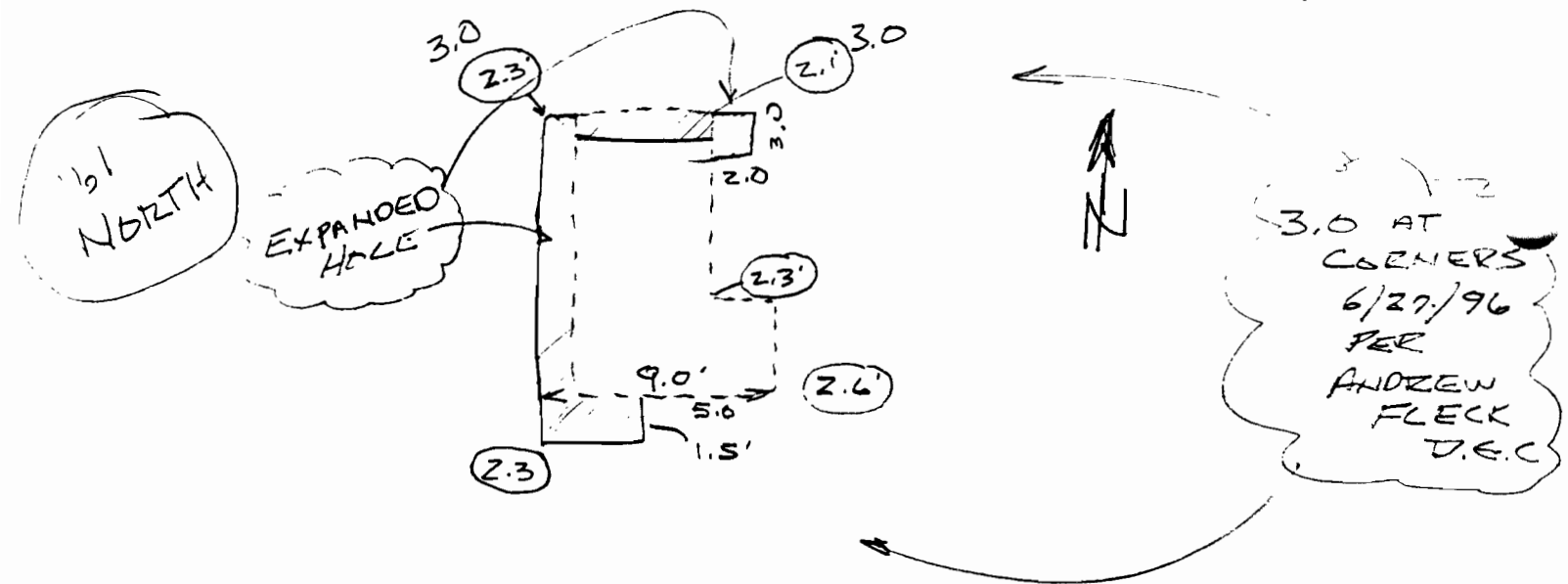
HSE # 166

4x3 HOLE



2'-3" OF WATER
IN HOLE

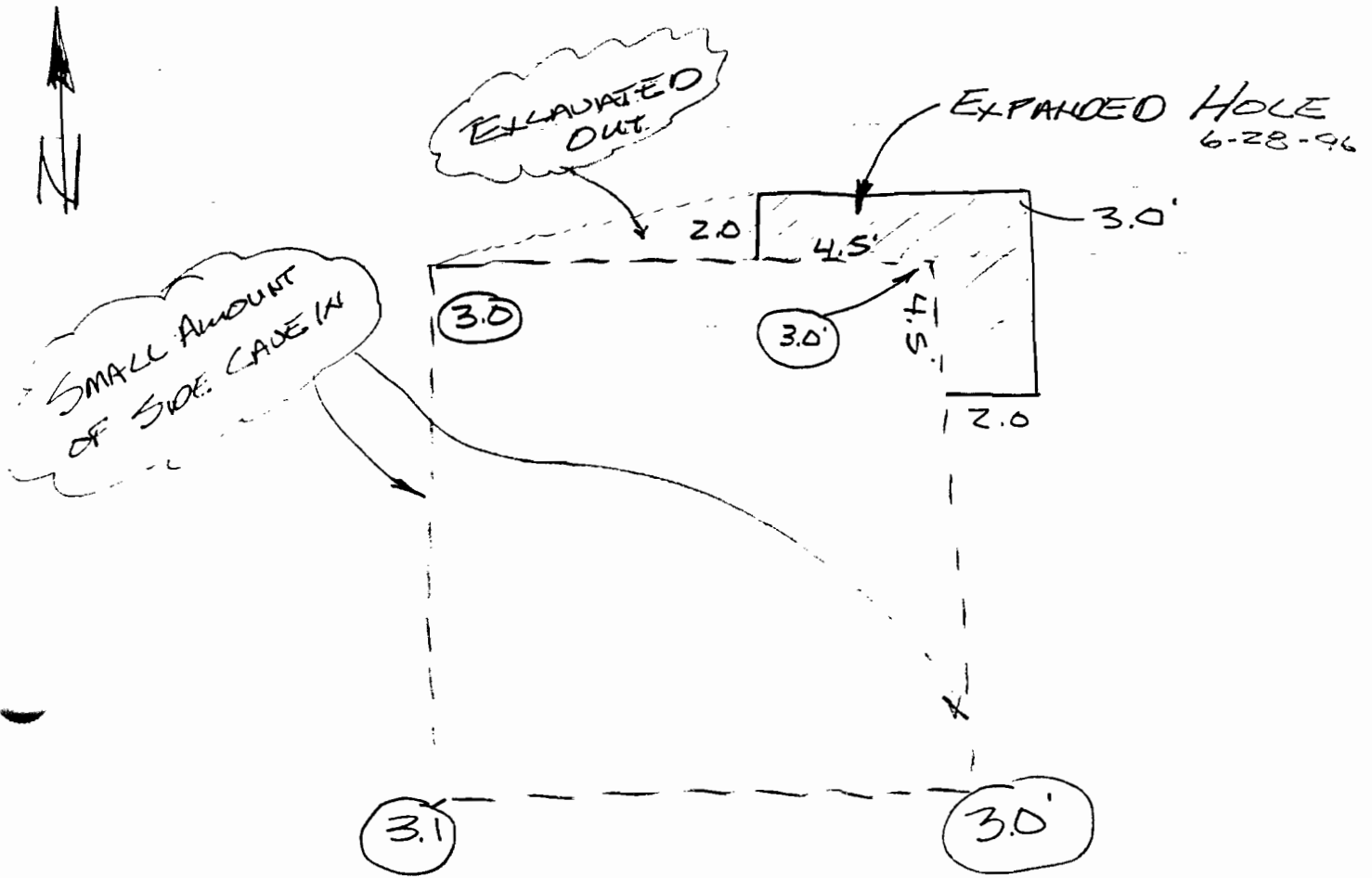
HSE # 161 (LARGE HOLE)



NOTE: SIDES OF
HOLE HAVE CAVED
IN DUE TO SEEPAGE
6" OF WATER ±

HOUSE # 206

6-28-96
DL-EC



NO WATER IN HOLE

NOTE: DEL. SAYS ONLY NEED HORIZ LOCATION
OF STOCKPILE AREA

6-28-96
DL-EC

Job Description> Griffin Ind. - Dearcop Farm Site

Job Number> 962442.000 Job Date> 1996.0716

PtNo.	North(y)	East(x)	Elev(z)	Description	Pv't	"START"
1	10000.00000	20000.00000	100.00	PK Nail Centerline		"START"
2	10303.11649	20000.96991	95.91	PK		
3	10540.86334	20001.88798	96.51	PK		
4	10945.60426	20000.00000	94.85	PK		
5	9981.50786	20183.46714	98.56	TP-NAIL		
6	10347.53186	19828.05306	96.26	PK TREE ROOT		
7	10612.17005	19808.16896	95.56	PK		
8	10540.36143	20115.65176	96.68	PK		
9	11045.48268	20188.03088	100.89	TP-NAIL		
11	9980.33167	19986.95163	100.01	SAN MH		
12	10590.72709	19988.01006	96.05	SAN MH		
13	10558.58145	19804.81832	95.33	NW-EXC		
14	10555.70741	19804.71831	95.29	SW-EXC		
15	10555.76974	19807.63574	95.27	SE-EXC		
16	10558.41050	19807.58903	95.27	NE-EXC		
17	10563.83238	19818.84952	95.39	GND		
18	10564.23485	19792.91313	95.50	GND		
19	10550.52611	19792.92631	95.01	GND		
20	10551.06286	19818.60963	95.23	GND		
21	10563.33392	19835.67579	95.76	SW HSE		
22	10574.59190	19830.26861	95.82	SW PORCH		
23	10582.17597	19830.28251	95.69	NW PORCH		
24	10582.28354	19878.56769	95.78	NE HSE		
25	10606.77084	19761.88823	95.60	NW GAR		
26	10606.81066	19782.33990	95.58	NE GAR		
27	10556.56507	19782.64250	95.48	SE GAR		
28	10560.48167	20109.48279	96.98	NW-EXC		
29	10560.75713	20112.65615	97.02	NE-EXC		
30	10557.98721	20112.73823	96.91	SE-EXC		
31	10557.58860	20110.03446	96.94	SW-EXC		
32	10552.81042	20114.27952	96.75	BT DRIVE		
33	10552.91939	20101.26757	96.77	BT DRIVE		
34	10568.35939	20102.40806	97.28	GND		
35	10569.04228	20117.01895	97.17	GND		
36	10580.85001	20128.33149	97.32	NW GAR		
37	10560.67283	20127.98915	96.89	SW GAR		
38	10560.45934	20148.38976	96.82	SE GAR		
39	10572.84420	20096.18234	97.71	NE HSE		
40	10556.61169	20095.86740	96.54	SE HSE		
41	10556.92771	20063.54222	96.65	SW HSE		
42	10326.73573	19821.58685	96.02	SE-EXC1		
43	10326.86602	19817.23774	96.21	SW-EXC1		
44	10329.63369	19817.20524	96.09	NW-EXC1		
45	10330.17350	19821.27853	96.06	NE-EXC1		
46	10338.24193	19805.29982	95.90	SE-EXC2		
47	10338.82242	19798.45562	95.89	SW-EXC2		
48	10349.41841	19799.08700	95.91	NW-EXC2		
49	10348.82369	19803.87461	95.98	NE-EXC2		
50	10341.32890	19803.09188	95.81	EXC2		
51	10341.11694	19805.52085	95.96	EXC2		
52	10356.60748	19789.49771	95.62	GND		
53	10355.68225	19813.63099	95.75	GND		
54	10323.33865	19792.64064	95.85	GND		
55	10321.65508	19831.32652	95.70	GND		
56	10295.27614	19797.03445	95.89	NW GAR		
57	10294.88101	19821.87060	95.42	NE GAR		
58	10303.29913	19878.54512	95.63	SW GAR		

59	10323.61060	19878.54479	95.34	NW	GAR
60	10323.63008	19900.70919	95.59	NE	GAR
61	9991.59983	20171.11030	98.73	SW-EXC	
62	9992.39109	20186.77198	98.74	SE-EXC	
63	10007.51989	20185.72510	98.67	NE-EXC	
64	10006.50404	20170.84142	98.83	NW-EXC	
65	10039.75674	20153.88027	99.06	NE	GAR
66	10015.79158	20154.06802	99.38	SE	GAR
67	10015.72552	20130.05950	99.46	SW	GAR
68	10023.91901	20165.05802	99.11	GND	
69	10024.84488	20197.79599	98.72	36-POPLAR	
70	9981.11355	20195.59313	98.03	GND	
71	9977.75033	20162.24739	98.66	GND	
72	10930.51334	20002.08546	94.69	SAN	MH
73	10656.07707	20002.10554	96.83	CL	ROAD
74	11028.10400	20272.11357	100.01	NW-STOCKPILE	
75	11008.27004	20275.61571	99.74	SW-STOCKPILE	
76	11011.71945	20297.18655	99.69	SE-STOCKPILE	
77	11032.22827	20295.48407	99.31	NE-STOCKPILE	
78	11045.19794	20310.38882	99.25	GND	
79	11024.92517	20316.09741	99.04	GND	
80	11004.44854	20321.73729	99.94	GND	
81	10994.23218	20291.69043	100.11	GND	
82	10990.43521	20264.00616	100.13	GND	
83	11016.68888	20255.56422	100.13	GND	
84	11040.91336	20248.56536	100.31	GND	
85	11045.51952	20277.41221	99.12	GND	

Number of points listed> 84

