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MS Dept of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385
Attention: Gretchen Zmitrovich

A9X0385

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1. Article Addressed to:

WILLIAM F KROOSS MD
MICHAEL H ALBERT MD
PO BOX 16930
JACKSON MS 39236

COMPLETE THIS SECTION ON DELIVERY

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C. Signature — X Nettie Brown — ☐ Agent ☐ Addressee

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If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
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2. Article Number *(Copy from service label)*
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PS Form 3811, July 1999 — Domestic Return Receipt — 102595-99-M-1789

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STATE OF MISSISSIPPI
DAVID RONALD MUSGROVE, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

July 18, 2001

CERTIFIED MAIL NO. 7000 1670 0009 6843 8746 RETURN RECEIPT REQUESTED

William F. Krooss, M.D.
Michael H. Albert, M.D.
Post Office Box 16930
Jackson, MS 39236

RE: 413 Lee Street
Crystal Springs, Copiah County, Mississippi

Dear Drs. Krooss and Albert:

The Uncontrolled Sites Section of the Mississippi Department of Environmental Quality (MDEQ) has completed a review of the attached *Site Remediation Report*, dated April 2001, prepared by Martin & Slagle, GeoEnvironmental Associates, LLC, for the above referenced property. The MDEQ requires no further action at this site at this time.

If cleanup standards change or additional data becomes available for the site, then MDEQ will notify the appropriate parties of the need for any additional investigation(s) or remedial action(s). These actions will be consistent with our need to protect human health, welfare, and/or the environment.

If you have any questions, concerning this matter, please contact Gretchen Zmitrovich at (601) 961-5240.

Sincerely,

Tony Russell, Chief
Uncontrolled Sites Section

Enclosure

Kuhlman Electric-413 Lee (Medical Clinic) SNFA_7-18-01 (gz)

FILE COPY

KUHLMAN ELECTRIC
101 KUHLMAN DRIVE
CRYSTAL SPRINGS
MISSISSIPPI

FINAL REPORT

PREPARED BY:
Michael Caples, Esq.

NOVEMBER 15, 2000

FIRST ENVIRONMENT

FIRST ENVIRONMENT

119 Marketridge Drive
Suite D, Box 6
Ridgeland, Mississippi 39157
(601) 957-8967 • FAX (601) 956-2441

November 15, 2000

Al Thomas
Kuhlman Electric
101 Kuhlman Drive
Crystal Springs, MS 39059

Scott Schang
Latham & Watkins
1001 Pennsylvania Avenue, NW
Washington, DC 20004

Dear Al and Scott,

Please find below a description of the work performed by First Environment, Inc. and its subcontractors in association with the discovery of polychlorinated biphenyls (PCBs) at the Kuhlman Electric plant in Crystal Springs, Mississippi. This report only deals with the decontamination of equipment and the removal of soil from off-site areas.

DECONTAMINATION OF EQUIPMENT

On May 3, 2000, Kuhlman Electric hired First Environment, Inc. to decontaminate earth-moving equipment contaminated during the expansion project. Through the entire month of May, additional items were discovered that needed decontaminating, a detailed list of all items decontaminated by First Environment can be found in Table 1.

Decontamination of the equipment followed the double wash/rinse procedures set forth in 40 C.F.R. 761 Subpart S. First, remove and capture the dry solids by mechanical force (i.e. the use of hammers and scrappers). Second, cover the entire surface with an industrial strength detergent and wash with a steam power washer. Third, capture the rinse water for further treatment. Fourth, repeat. Fifth, verify by confirmation sampling. Finally, remove the equipment from the plant site.

Initial decontamination of equipment began on May 11, 2000 and was completed on May 26, 2000. First Environment, Inc. decontaminated some 17 vehicles. In addition, some other items were cleaned for precautionary reasons, and these items were not included in the report. All confirmation samples taken for each of the 17 pieces of equipment came back as non-detectable. Therefore, no further action is required for the decontamination work.

OFF-SITE PROPERTY

During the equipment decontamination, First Environment learned that employees had removed soil and gravel from the plant location. Our investigation uncovered five off-site areas were potentially contaminated material had been removed from the plant location. They are listed below:

1. AKT gravel pit two soil piles on side of road.
2. Allean Meyers Property
3. J. C. Lomax Property
4. Caley Claiborne Property
5. Dwight Holiday Property

On May 16 and 17, 2000 First Environment conducted an emergency removal of PCB contaminated material at five off-site locations. The contaminated material remained in piles or areas that were easily identified by sight. Therefore, in order to expedite the emergency removal of material an extensive soil sampling program was not warranted. Instead, a buffer zone of one to three feet beyond the lateral and vertical extent of the contaminated soil was excavated for each location. Confirmation samples were taken within and outside the excavated area to assure that all contaminated soil was removed from the property. The removed soil was placed in water-tight containers and returned to the Kuhlman property were it awaits final disposal.

AKT GRAVEL PIT TWO SOIL PILES

On May 16, 2000, First Environment conducted an emergency removal action of two soil piles located at the AKT Gravel pit. The soil was removed from the Kuhlman property by Vaughan Construction and placed at the gravel pit. Immediately upon discovering the soil piles, First Environment covered the piles with plastic to prevent any run off. Because the piles remained in tact, they were easily removed with a backhoe front-end loader. A buffer zone around the piles of approximately two feet was excavated to assure the removal of all contaminated material. Samples taken after the removal confirmed that the remaining soil was below the action level of 1 ppm. See Exhibit #1 and Table #2 for sample location and results.

ALLEAN MEYERS PROPERTY

On May 16, 2000 First Environment conducted an emergency removal action of approximately a five-gallon bucket of soil removed from the Kuhlman property at Ms. Allean Meyers property. Meyers's son, an employee of Kuhlman removed a five gallon bucket of soil from the Kuhlman property and placed it in a hole near her house. The hole was clearly defined and the soil was removed with a shovel and placed into a container and returned to the Kuhlman property. The hole was backfilled with clean dirt and no confirmation samples were taken.

J. C. LOMAX PROPERTY

On May 16, 2000 First Environment conducted an emergency removal action of approximately seven cubic yards of soil removed from the Kuhlman property by Mr. Lomax. The soil was dumped in a pile in Mr. Lomax's pasture were it had remained undisturbed. Upon discovering the pile, First Environment covered the soil with plastic.

Excavation of the soil consisted of using a rubber-tire backhoe to remove the soil pile. In addition, a buffer zone of approximately two feet around and one foot below the pile was removed. Samples taken after the removal confirmed that the remaining soil was clear of any PCB material. See Exhibit #2 and Table #3 for sample location and results.

CALEY CLAIBORNE PROPERTY

On May 16, 2000 First Environment learned that a composite sample taken from the driveway of Caley Claiborne at 216 McPherson Drive showed the presence of 1644 ppm of PCB - Aroclor 1268. Upon notification of the test results, Kuhlman contacted the Mississippi Department of Environmental Quality, EPA superfund hotline and Region IV TSCA group of the potential release. First Environment proposed to Jerry Banks of MDEQ that an emergency removal action occur as soon as possible.

On May 17, 2000 First Environment conducted an emergency removal of PCB material at the Claiborne residence. Mr. Claiborne removed soil from the Kuhlman site to fill in a pothole in his driveway. Mr. Claiborne clearly identified the area where the soil was placed and one could clearly see the outline of the pothole. See Exhibit #3 for pothole location and sample location.

Excavation of the area involved using a rubber-tire backhoe to remove the soil within the pothole. In addition, a buffer zone of approximately 3 to 5 feet was created around the pothole and approximately 1 to 1.5 feet below the pothole was excavated. The soil was removed from the property and stored at the Kuhlman plant site awaiting final disposal. Samples collected after the removal confirmed that the remaining soil contained no PCB material. See Exhibit # 4 and Table #4 for sample location and results. The area was backfilled with clean dirt and the driveway was paved with asphalt.

DWIGHT HOILDAY PROPERTY AND RESIDENCE

On May 17, 2000 First Environment conducted an emergency removal of PCB material at the Holiday residence. Mr. Holiday removed soil from the Kuhlman plant site to fill in two holes in his backyard, (pool and garden). Samples taken before excavation detected the presence of PCB at 183 ppm and 1.9 ppm respectfully. See Exhibit #6

Excavation was conducted with hand shovels and a front-end loader bobcat. The removed material was placed in a container and returned to the Kuhlman property. Both areas were clearly defined by the fresh dirt and lack of grass. Therefore, a buffer zone of approximately two feet outside the dirt area and one foot below the area was removed. Samples taken after the removal confirmed that the remaining soil was below 0.1 ppm of PCB. See Exhibit #5 and Table #5 for sample location and test results.

On May 18, 2000 First Environment learned that Mr. Holiday had washed his truck used to haul the contaminated soil out in his front yard. Samples from the front yard showed no presence of PCB material and no further action was taken. In addition, Mr. Holiday became concern of possible contamination within his house due to the presence of the soil in the backyard. Wipe samples from the floor and carpet inside the house showed no detection of PCB material. See Exhibit #6 for sample location.

To date, First Environment, has cleanup some 17 vehicles and 5 off-site areas. All confirmation samples have been below action limits. Therefore, no further action remains.

If you have any questions, please do not hesitate to contact me at 957-8967.

Sincerely,

FIRST ENVIRONMENT, INC.

Michael Caples, Esq.
Regional Office Manager

MC/vg
Enclosure

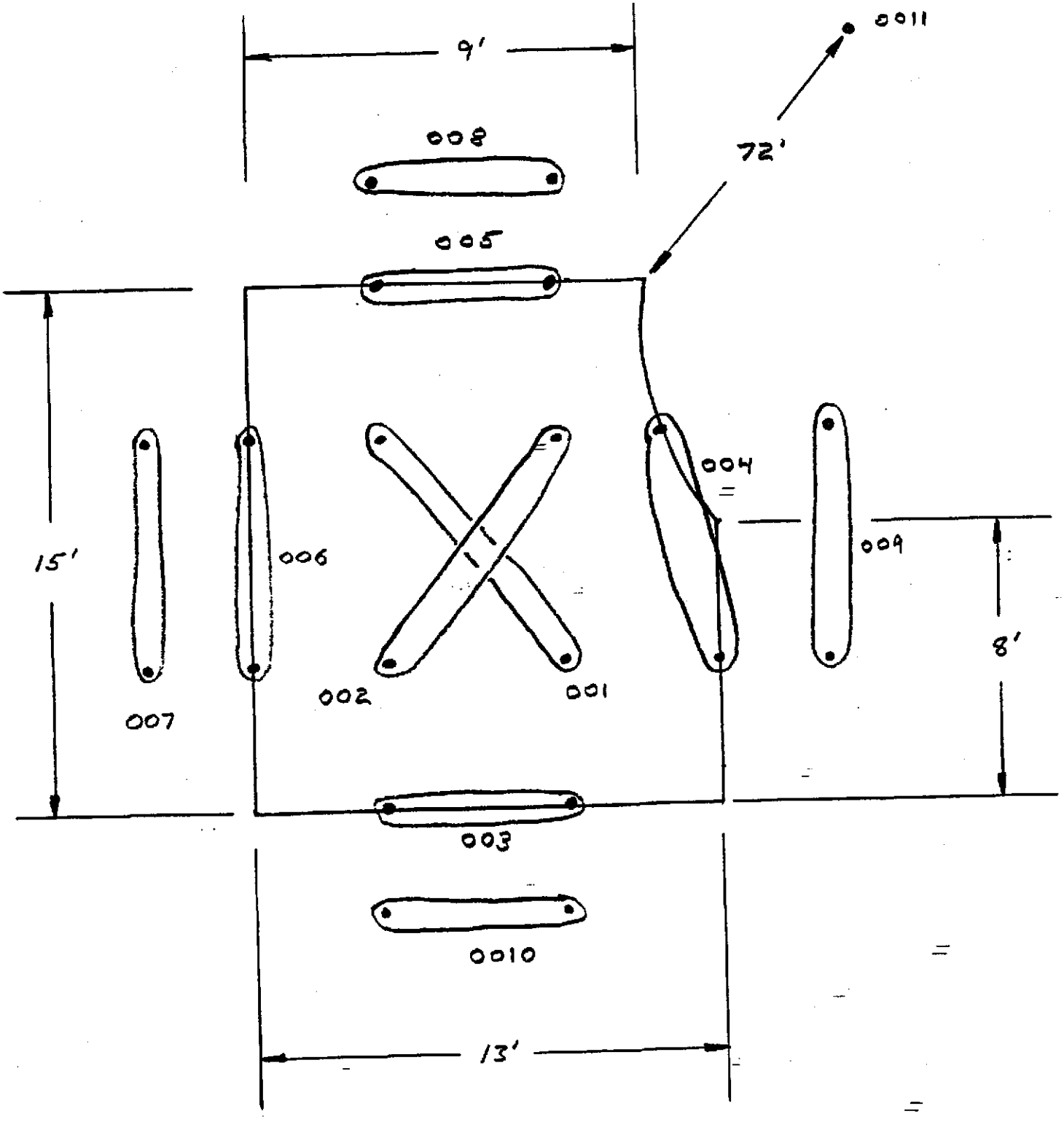
cc: U.S. Environment Protection Agency
Mississippi Department of Environmental Quality

TABLE 1
Equipment Decon List
Kuhlman Electric Project

Equipment	Results of Confirmation Samples
Mack Truck owned by Mohammed Talie	ND
Mack Truck owned by Perry Wilson	ND
Ford Truck owned by Willie Wilcher	ND
Mack Truck #16 owned by Vaughan Construction	ND
Mack Truck #5 owned by Vaughan Construction	ND
Ford Pickup owned by Caley Claiborne	ND
Chevy Truck owned by Dwight Holiday	ND
Ford Truck owned by J.C. Lomax	ND
Kubota Backhoe BT 900 owned by HY-Teck Sprinkler	ND
Ford Trencher C-3663-6 owned by Ritter Electric	ND
John Deere 310D backhoe owned by Ritter Electric	ND
Air Compressor ACXAS90JD owned by Ritter Electric	ND
John Deere 310D backhoe owned by Fountain Construction	ND
White Dump Truck owned by Ritter Electric	ND
Komatsu Track Hoe owned by Vaughan Construction	ND
Bulldozer owned by Vaughan Construction	ND
Bulldozer owned by AKT gravel	ND

Project Name Kuhlman
Location AKT Gravel Co.
Subject Remediation Area + Sample Locations

Project No. KUHLM.001
Page 1 of 1
By JM Date 5/17/00
Ck _____ Date _____



FIRST ENVIRONMENT

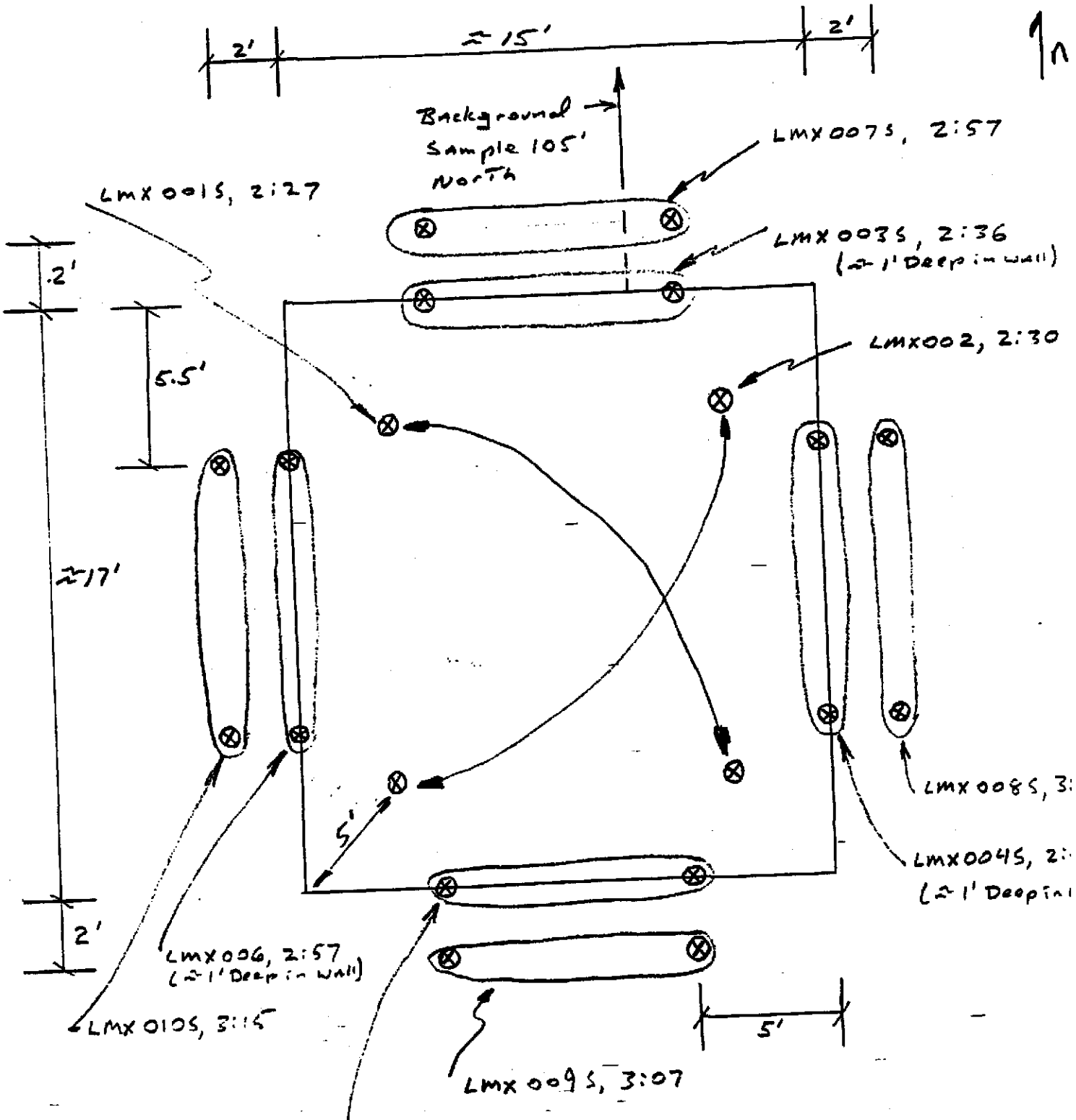
Exhibit #1

TABLE # 2
CONFIRMATION SAMPLES AKT GRAVEL PIT

SAMPLE NUMBER	SAMPLE LOCATION	RESULTS in ppm
gp-001s	gravel pit – SE & NW pit	0.8
gp-002s	gravel pit – SW & NE pit	0.6
gp-003s	gravel pit – North pit	0.3
gp-004s	gravel pit – West pit	0.4
gp-005s	gravel pit – South pit	<0.1
gp-006s	gravel pit – East pit	<0.1
gp-007s	gravel pit – East wall 2' out	<0.1
gp-008s	gravel pit – South wall 2' out	<0.1
gp-009s	gravel pit – West wall 2' out	<0.1
gp-010s	gravel pit – North wall 2' out	<0.1
gp-011s	Background 72' SW	<0.1

Project Name Kuhlmas Soil
Location Lomax House
Subject Post Soil Removal Soil Samples

Project No. Kuhlm.001
Page ____ of ____
By JM Date 5/16/00
Ck ____ Date ____



Scale
0 5 10

AVE. PIT DEPTH = 2'

Note: samples LMX1-10 were collected on 5/16/00
LMX011 was collected on 5/17/00

FIRST ENVIRONMENT

TABLE #3
CONFIRMATION SAMPLES LOMAX PROPERTY

SAMPLE NUMBER	SAMPLE LOCATION	RESULTS in ppm
Lmx-001s	NW & SE pit	<0.1
Lmx-002s	NE & SW pit	<0.1
Lmx-003s	North wall	<0.1
Lmx-004s	East wall	<0.1
Lmx-005s	South wall	<0.1
Lmx-006s	West wall	<0.1
Lmx-007s	North wall 2' out	<0.1
Lmx-008s	East wall 2' out	<0.1
Lmx-009s	South wall 2' out	<0.1
Lmx-010s	West wall 2' out	<0.1
Lmx-011s	Background	<0.1

Project Name Kuhlman
Location Claiborne House
Subject Fill Area And Sample Location

Project No. KUHL.M.001
Page ____ of ____
By JM Date 5/17/00
Ck ____ Date ____

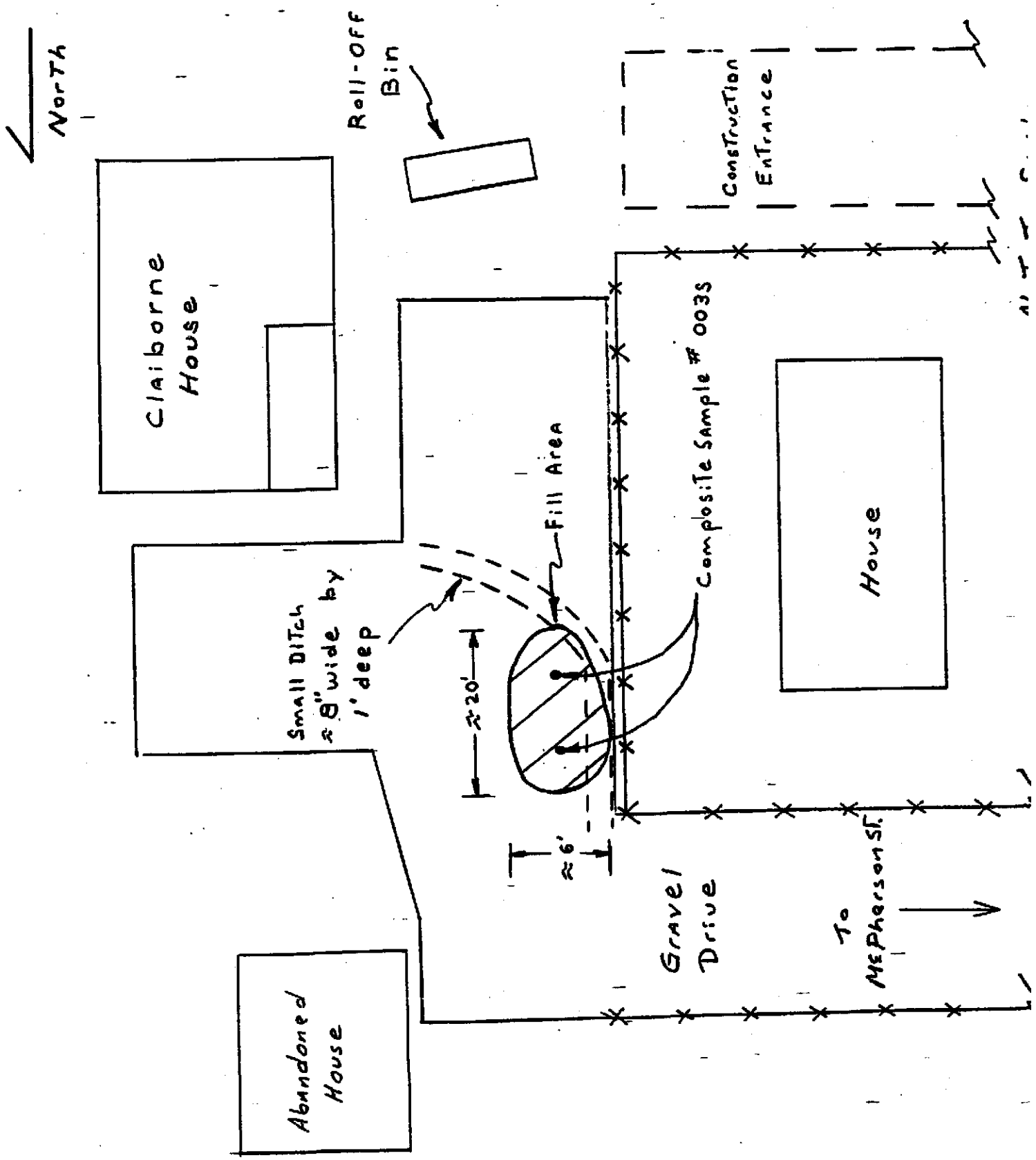


Exhibit #3

FIRST ENVIRONMENT

TABLE # 4
CONFIRMATION SAMPLES CLAIBORN PROPERTY

SAMPLE NUMBER	SAMPLE LOCATION	RESULTS in ppm
Claiborn –1	North East Corner	<0.1
Claiborn –2	East Wall	<0.1
Claiborn –3	South East Corner	<0.1
Claiborn –4	North Wall 2' out	<0.1
Claiborn –5	South Wall 2' out	<0.1
Claiborn –6	North Center	<0.1
Claiborn –7	South Center	<0.1
Claiborn –8	North West Corner	<0.1
Claiborn –9	West Wall	<0.1
Claiborn –10	South West Corner	<0.1
Claiborn –11	North West Wall 2' out	<0.1
Claiborn –12	West Wall 2' out	<0.1

Project Name Kuhlman
Location Claiborne House
Subject Remediation Area

Project No. KUHLM.001
Page _____ of _____
By JM Date 5/17/00
Ck _____ Date _____

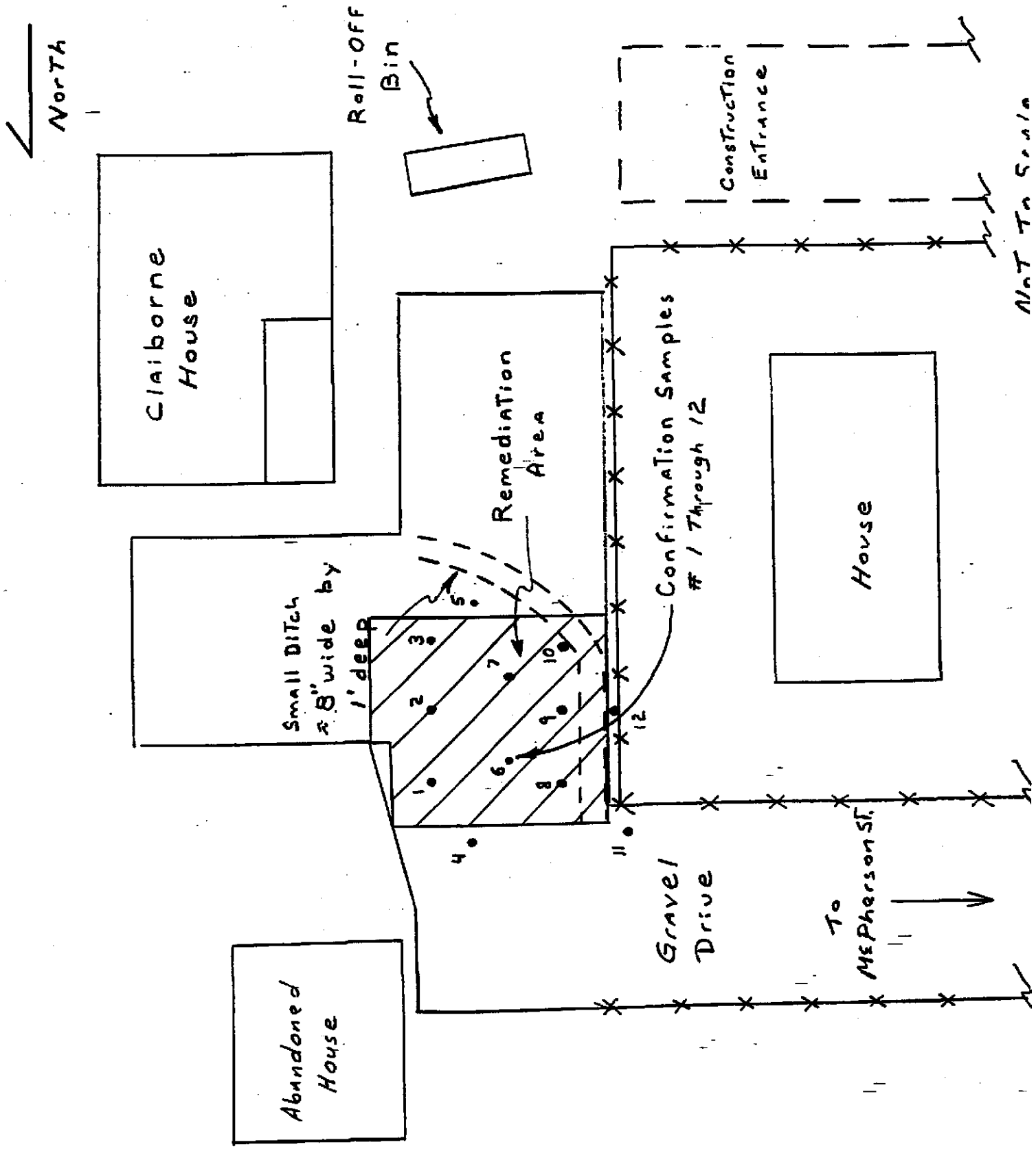


Exhibit #4

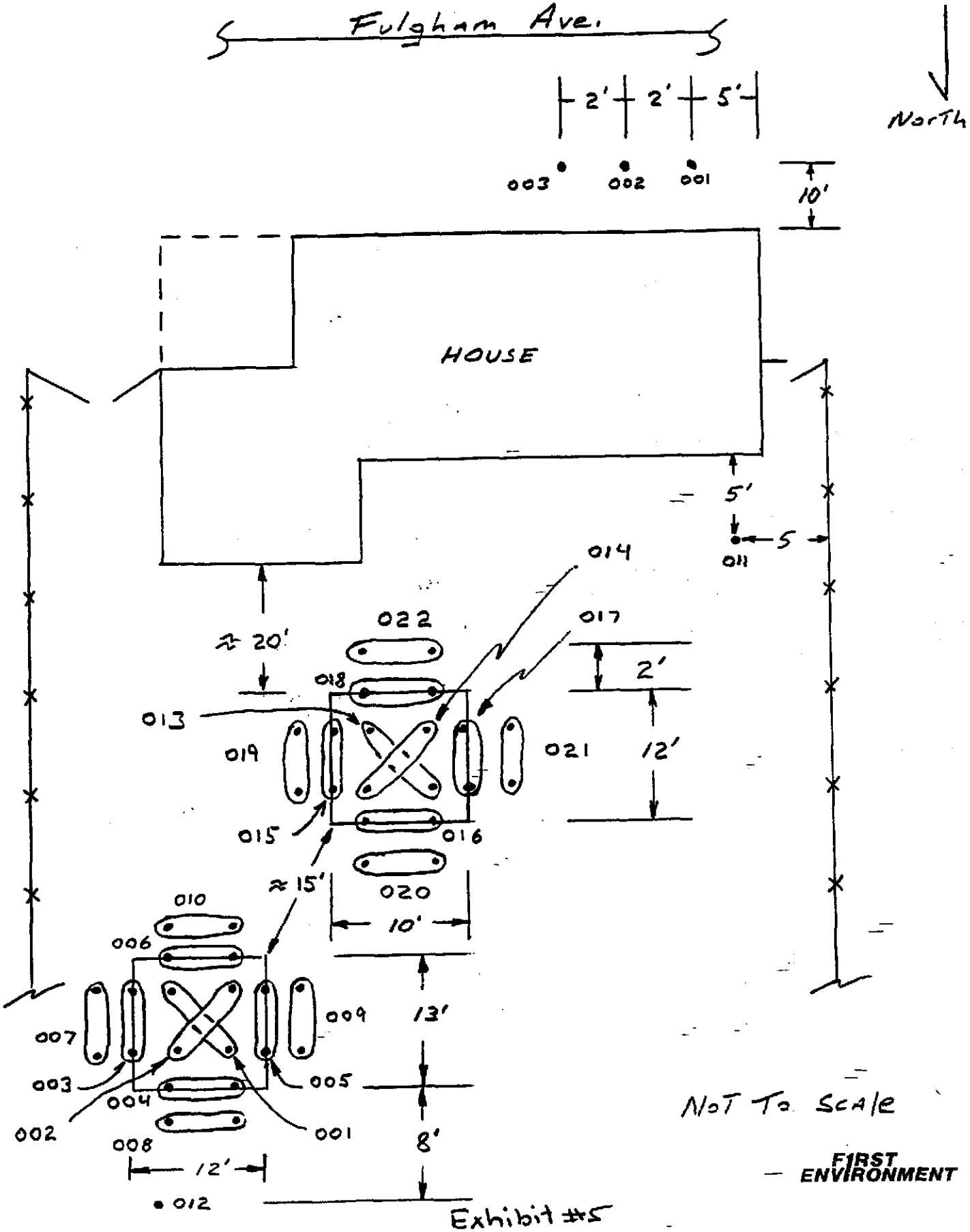
FIRST ENVIRONMENT

TABLE # 5
CONFIRMATION RESULTS HOLIDAY RESIDENCE

Sample Number	Sample Location	Result in ppm
2ful001s	Garden – SE & NE Corners	<0.1
2ful002s	Garden – SW & NE Corners	<0.1
2ful003s	Garden- East Wall	<0.1
2ful004s	Garden- North Wall	<0.1
2ful005s	Garden- West Wall	<0.1
2ful006s	Garden- South Wall	<0.1
2ful007s	Garden- East Wall 2' out	<0.1
2ful008s	Garden- North Wall 2' out	<0.1
2ful009s	Garden- West Wall 2' out	<0.1
2ful010s	Garden- South Wall 2' out	<0.1
2ful011s	Background	<0.1
2ful012s	Strip NE of Garden	<0.1
2ful013s	Pool - SE & NW Corners	<0.1
2ful014s	Pool – SW & NE Corners	<0.1
2ful015s	Pool – East Wall	<0.1
2ful016s	Pool – North Wall	<0.1
2ful017s	Pool – West Wall	<0.1
2ful018s	Pool – South Wall	<0.1
2ful019s	Pool – East Wall 2' out	<0.1
2ful020s	Pool – North Wall 2' out	<0.1
2ful021s	Pool – West Wall 2' out	<0.1
2ful022s	Pool – South Wall 2' out	<0.1

Project Name Kuhlman Soil
Location Dwight Holiday House
Subject Remediation Area and Sample Locations
303 Fulgham Ave

Project No. KUHLM.001
Page ____ of ____
By ____ Date ____
Ck ____ Date ____



Not To Scale

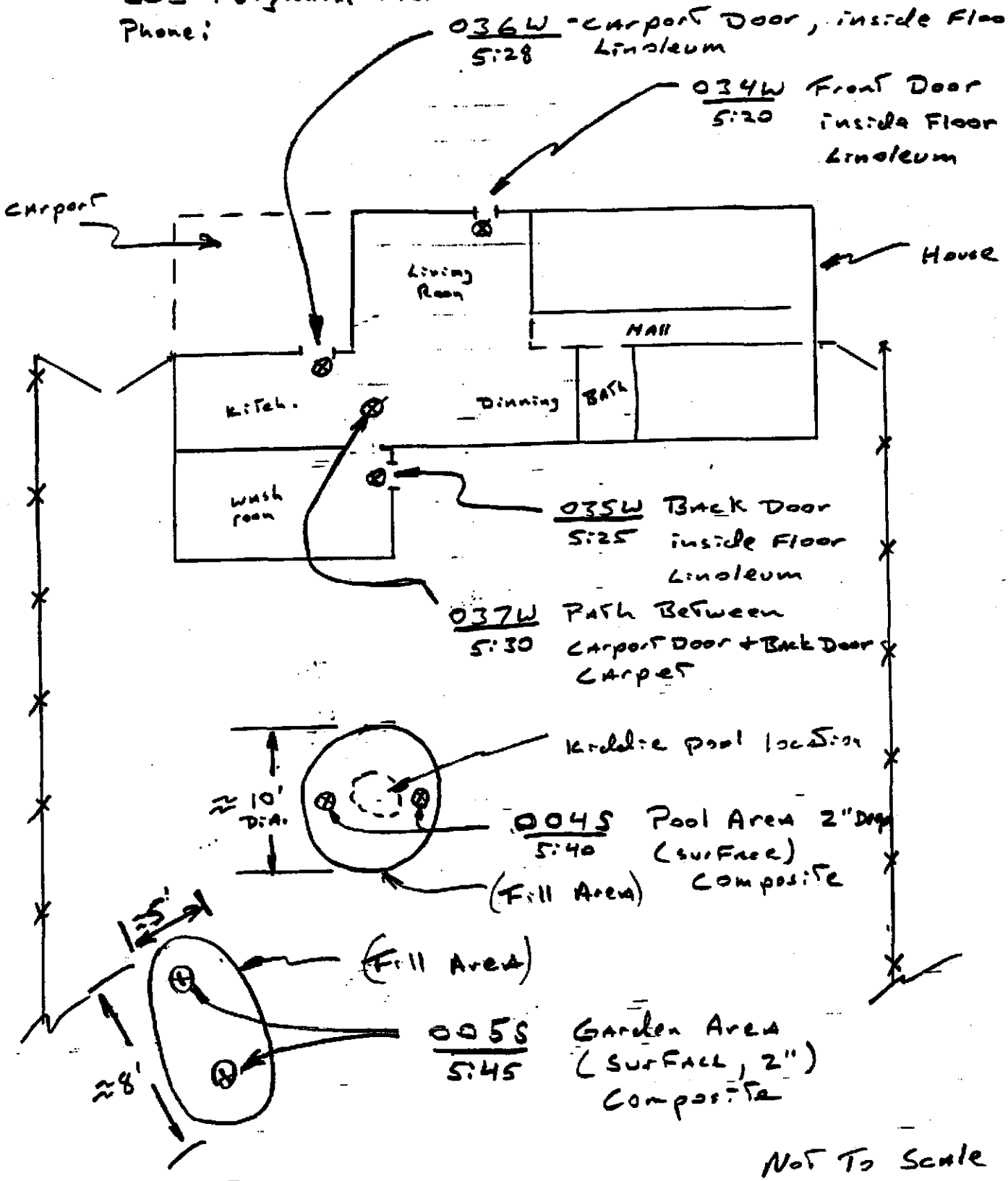
FIRST ENVIRONMENT

Exhibit #5

Project Name [redacted]
Location [redacted] Springs, MS
Subject Dwight Holiday House
5:20 - 5:45

Page 1 of 1
By JM Date 5/11/00
Ck _____ Date _____

owner: Dwight Holiday
303 Fulgham Ave.
Phone:



Not To Scale

FIRST ENVIRONMENT

Exhibit #6

LAB RESULTS OF ALL TESTING

Attached is a listing of all laboratory results including Wipe samples.

					Aroclor 1268
Date	Sample ID	Lab ID #	Matrix	Location	Conc, ppm
5/11/2000	034w	48663	wipe	303 fulghan-front door floor-inside	ND
5/11/2000	035w	48664	wipe	303 fulghan back door floor inside	ND
5/11/2000	036w	48665	wipe	303 fulghan carport door floor inside	ND
5/11/2000	037w	48666	wipe	303 fulghan path between back & carport door	ND
5/11/2000	038w	48667	wipe	pick up truck- tag # sy9258-front center bed	ND
5/11/2000	039w	48668	wipe	pick up truck- tag # sy9258-rear center bed	ND
5/11/2000	040w	48669	wipe	pick up truck-tag#sy9258-tailgate handle	ND
5/11/2000	041w	48670	wipe	pick up truck-tag#sy9258-driver side door handle	ND
5/11/2000	042w	48671	wipe	pick up truck-tag#sy9258-passenger side door handle	ND
5/11/2000	043w	48672	wipe	pick up truck-tag#sy9258-steering wheel	ND
5/11/2000	044w	48673	wipe	pick up truck-tag#sy9258-gear shift knob and turn signal	ND
5/11/2000	045w	48674	wipe	pick up truck-tag#sy9258-driver side arm rest	ND
5/11/2000	046w	48675	wipe	pick up truck-tag#sy9258-gas and clutch pedal	ND
5/11/2000	047w	48676	wipe	pick up truck-tag#sy9258-floor board driver side	ND
5/11/2000	048w	48677	wipe	pick up truck-tag#sy9258-floor mat driver side	ND
5/11/2000	023w	48678	wipe	pick up truck-tag#sy7716-rear center of bed	ND
5/11/2000	024w	48679	wipe	pick up truck-tag#sy7716-front center of bed	ND
5/11/2000	025w	48680	wipe	pick up truck-tag#sy7716-tool box rear side	ND
5/11/2000	026w	48681	wipe	pick up truck-tag#sy7716-tail gate handle	ND
5/11/2000	027w	48682	wipe	pick up truck-tag#sy7716-driver side arm rest	ND
5/11/2000	028w	48683	wipe	pick up truck-tag#sy7716-driver side door handle	ND
5/11/2000	029w	48684	wipe	pick up truck-tag#sy7716-brake & gas pedal	ND
5/11/2000	030w	48685	wipe	pick up truck-tag#sy7716-steering wheel	ND
5/11/2000	031w	48686	wipe	pick up truck-tag#sy7716-gear shift & blinker	ND
5/11/2000	032w	48687	wipe	pick up truck-tag#sy7716-driver side floor board	ND
5/11/2000	033w	48688	wipe	pick up truck-tag#sy7716-passenger side door handle	583
5/11/2000	001s	48689	soil	pick up bed -tag sy7716	ND
5/11/2000	002s	48690	soil	pickup bed tag sy9258	1644
5/11/2000	003s	48691	soil	216 McPherson -Driveway	183
5/11/2000	004s	48692	soil	303 Fulghan-Pool area	1.9
5/11/2000	005s	48693	soil	303 Fulghan - garden area	ND
5/11/2000	001w	48840	wipe	213 Powell St.-corner bookshelf-left side	ND
5/11/2000	002w	48841	wipe	213 Powell St.-corner bookshelf-right side	ND
5/11/2000	003w	48842	wipe	213 Powell St.-corner bookshelf-bottom	ND

5/11/2000	005w	48844	wipe	213 Powell St.-book shelf right side	ND
5/11/2000	006w	48845	wipe	213 Powell St.-book shelf bottom	ND
5/11/2000	007w	48846	wipe	213 Powell St.-bookshelf back	ND
5/11/2000	008w	48847	wipe	213 Powell St.-bookshelf - shelf	ND
5/11/2000	009w	48848	wipe	213 Powell St.-corner bookshelf -shelf	ND
5/11/2000	010w	48849	wipe	213 Powell St.-desk hutch-bottom	ND
5/11/2000	011w	48850	wipe	213 Powell St.-desk hutch-left side	ND
5/11/2000	012w	48851	wipe	213 Powell St.-desk hutch-right side	ND
5/11/2000	013w	48852	wipe	213 Powell St.-desk hutch-shelf	ND
5/11/2000	014w	48853	wipe	213 Powell St.-desk hutch-back	ND
5/11/2000	015w	48854	wipe	213 Powell St.-desk stool- top	ND
5/11/2000	016w	48855	wipe	213 Powell St.-desk stool- bottom legs	ND
5/11/2000	017w	48856	wipe	213 Powell St.-desk stool- side	ND
5/11/2000	018w	48857	wipe	213 Powell St.-desk top	ND
5/11/2000	019w	48858	wipe	213 Powell St.-desk left side	ND
5/11/2000	020w	48859	wipe	213 Powell St.-desk right side	ND
5/11/2000	021w	48860	wipe	213 Powell St.-desk bottom	ND
5/11/2000	022w	48861	wipe	213 Powell St.-desk front	ND
5/11/2000	ful303-001	48697	soil	front yard wash area -fulghan 303	4.49
5/12/2000	27-001	48826	wipe	dump truck #27 tag # a15158-gas & brake pedal	ND
5/12/2000	27-002	48827	wipe	dump truck #27 tag # a15158-gear shift & turn signal	ND
5/12/2000	27-003	48828	wipe	dump truck #27 tag # a15158-steering wheel	ND
5/12/2000	27-004	48829	wipe	dump truck #27 tag # a15158-driver side floor board	ND
5/12/2000	27-005	48830	wipe	dump truck #27 tag # a15158-passenger side door handle	ND
5/12/2000	27-006	48831	wipe	dump truck #27 tag # a15158-front center of bed	ND
5/12/2000	27-007	48832	wipe	dump truck #27 tag # a15158-passenger side inner bed wall	ND
5/12/2000	27-008	48833	wipe	dump truck #27 tag # a15158-rear center of bed	ND
5/12/2000	27-009	48834	wipe	dump truck #27 tag # a15158-passenger side inner tailgate	ND
5/12/2000	27-010	48835	wipe	dump truck #27 tag # a15158-bed lip	ND
5/12/2000	27-011	48836	wipe	dump truck #27 tag # a15158-driver side inner tailgate	ND
5/12/2000	27-012	48837	wipe	dump truck #27 tag # a15158-driver side inner bed wall	ND
5/12/2000	27-013	48838	wipe	dump truck #27 tag # a15158-driver side inner door handle	ND
5/12/2000	27-014	48839	wipe	dump truck #27 tag # a15158-driver side door handle	ND
5/13/2000	56-001	48862	wipe	dump truck#56 steering wheel	ND
5/13/2000	56-002	48863	wipe	dump truck#56 gas & brake pedal	ND
5/13/2000	56-003	48864	wipe	dump truck#56 turn signal & gear shift	ND
5/13/2000	56-004	48865	wipe	dump truck#56 driver side door handle	ND

5/13/2000	56-006	48867	wipe	dump truck#56 passenger side bed wall	ND
5/13/2000	56-007	48868	wipe	dump truck#56 rear center of bed	ND
5/13/2000	56-008	48869	wipe	dump truck#56 duplicate	ND
5/13/2000	56-009	48870	wipe	dump truck#56 bed lip	ND
5/13/2000	56-010	48871	wipe	dump truck#56 passenger side inner tail gate	ND
5/13/2000	56-011	48872	wipe	dump truck#56 driver side inner tail gate	ND
5/13/2000	56-012	48873	wipe	dump truck#56 driver side bed wall	ND
5/13/2000	56-013	48874	wipe	dump truck#56 driver side inner door handle	ND
5/13/2000	56-014	48875	wipe	dump truck#56 passenger side door handle	ND
5/13/2000	56-015	48876	wipe	dump truck#56 driver side floor board	ND
5/13/2000	56-016	48877	wipe	dump truck#56 driver side bed mat	ND
5/13/2000	56-017	48878	wipe	dump truck#56 passenger side bed mat	ND
5/13/2000	lmx-001	48879	wipe	lomax dump truck-tag# f16-536-brake & gas pedal	ND
5/13/2000	lmx-002	48880	wipe	lomax dump truck-tag# f16-536-turn signal & gear shift	ND
5/13/2000	lmx-003	48881	wipe	lomax dump truck-tag# f16-536-steering wheel	ND
5/13/2000	lmx-004	48882	wipe	lomax dump truck-tag# f16-536-passenger side door handle	ND
5/13/2000	lmx-005	48883	wipe	lomax dump truck-tag# f16-536-front center of bed	ND
5/13/2000	lmx-006	48884	wipe	lomax dump truck-tag# f16-536-passenger side bedwall	ND
5/13/2000	lmx-007	48885	wipe	lomax dump truck-tag# f16-536-rear center of wall	ND
5/13/2000	lmx-008	48886	wipe	lomax dump truck-tag# f16-536-duplicate	ND
5/13/2000	lmx-009	48887	wipe	lomax dump truck-tag# f16-536-bed lip	ND
5/13/2000	lmx-010	48888	wipe	lomax dump truck-tag# f16-536-passenger side inner tail gate	ND
5/13/2000	lmx-011	48889	wipe	lomax dump truck-tag# f16-536-driver side inner tailgate	ND
5/13/2000	lmx-012	48890	wipe	lomax dump truck-tag# f16-536-driver side bed wall	ND
5/13/2000	lmx-013	48891	wipe	lomax dump truck-tag# f16-536-driver side inner door handle	ND
5/13/2000	lmx-014	48892	wipe	lomax dump truck-tag# f16-536-driver side door handle	ND
5/13/2000	lmx-015	48893	wipe	lomax dump truck-tag# f16-536-driver side floor board	ND
5/13/2000	lmx-016	48894	wipe	lomax dump truck-tag# f16-536-passenger side bed rail	ND
5/13/2000	lmx-017	48895	wipe	lomax dump truck-tag# f16-536-driver side bed rail	ND
5/13/2000	684-001	48896	wipe	dump truck#684-brake & gas pedal	ND
5/13/2000	684-002	48897	wipe	dump truck#684-turn signal & gear shift	ND
5/13/2000	684-003	48898	wipe	dump truck#684-driver side floor board	ND
5/13/2000	684-004	48899	wipe	dump truck#684-steering wheel	ND
5/13/2000	684-005	48900	wipe	dump truck#684-passenger side door handle	ND
5/13/2000	684-006	48901	wipe	dump truck#684-front center of bed	ND
5/13/2000	684-007	48902	wipe	dump truck#684-passenger side bed wall	ND
5/13/2000	684-008	48903	wipe	dump truck#684-passenger side bed rail	ND
				dump truck#684-rear center of bed	

5/13/2000	684-010	48905	wipe	dump truck#684-duplicate	ND
5/13/2000	684-011	48906	wipe	dump truck#684-passenger side inner tail gate	ND
5/13/2000	684-012	48907	wipe	dump truck#684-bed lip	ND
5/13/2000	684-013	48908	wipe	dump truck#684-driver side inner tail gate	ND
5/13/2000	684-014	48909.1	wipe	dump truck#684-driver side bed rail	ND
5/13/2000	684-015	48910.1	wipe	dump truck#684-driver side bed wall	ND
5/13/2000	684-016	48911.1	wipe	dump truck#684-Driver side inner door handles	ND
5/13/2000	684-017	48912.1	wipe	dump truck#684-driver side door handles	ND
5/13/2000	874-001	49042	wipe	dump truck#874-gas & brake pedal	ND
5/13/2000	874-002	49043	wipe	dump truck#874-gear shift & turn signal	ND
5/13/2000	874-003	49044	wipe	dump truck#874-driver side floor board	ND
5/13/2000	874-004	49045	wipe	dump truck#874-steering wheel	ND
5/13/2000	874-005	49046	wipe	dump truck#874-passenger side door handle	ND
5/13/2000	874-006	49047	wipe	dump truck#874-front center of bed	ND
5/13/2000	874-007	49048	wipe	dump truck#874-passenger side bed wall	ND
5/13/2000	874-008	49049	wipe	dump truck#874-read center of bed	ND
5/13/2000	874-009	49050	wipe	dump truck#874-duplicate	ND
5/13/2000	874-010	49051	wipe	dump truck#874-passenger side inner tail gate	ND
5/13/2000	874-011	49052	wipe	dump truck#874-bed lip	ND
5/13/2000	874-012	49053	wipe	dump truck#874-driver side inner tailgate	ND
5/13/2000	874-013	49054	wipe	dump truck#874-driver side bed wall	ND
5/13/2000	874-014	49055	wipe	dump truck#874-driver side inner door handle	ND
5/13/2000	874-015	49056	wipe	dump truck#874-driver side door handle	ND
5/13/2000	874-016	49057	wipe	dump truck#874-passenger side bed rail	ND
5/13/2000	874-017	49058	wipe	dump truck#874-driver side bed rail	<0.1
5/17/2000	2ful001s	49059	soil	303 fulghan garden- se & nw corners	<0.1
5/17/2000	2ful002s	49060	soil	303 fulghan garden sw&ne corners	<0.1
5/17/2000	2ful003s	49061	soil	303 fulghan garden-east wall	<0.1
5/17/2000	2ful004s	49062	soil	303 fulghan garden-north wall	<0.1
5/17/2000	2ful005s	49063	soil	303 fulghan garden-west wall	<0.1
5/17/2000	2ful006s	49064	soil	303 fulghan-garden-south wall	<0.1
5/17/2000	2ful007s	49065	soil	303 fulghan-garden east wall 2' out	<0.1
5/17/2000	2ful008s	49066	soil	303 fulghan-garden north wall 2' out	<0.1
5/17/2000	2ful009s	49067	soil	303 fulghan-garden west wall 2' out	<0.1
5/17/2000	2ful010s	49068	soil	303 fulghan-garden south wall 2' out	<0.1
5/17/2000	2ful011s	49069	soil	303 fulghan-background	<0.1
5/17/2000	2ful012s	49070	soil	303 fulghan-strip ne of garden	<0.1
				303 fulghan-pool se & nw corners	

5/17/2000	2ful014s	49072	soil	303 fulghan-pool sw & ne corners	<0.1
5/17/2000	2ful015s	49073	soil	303 fulghan-pool-east wall	<0.1
5/17/2000	lmx-001s	49074	soil	nw & se pit	<0.1
5/17/2000	lmx-002s	49075	soil	ne & sw pit	<0.1
5/17/2000	lmx-003s	49076	soil	North wall	<0.1
5/17/2000	lmx-004s	49077	soil	East Wall	<0.1
5/17/2000	lmx-005s	49078	soil	South Wall	<0.1
5/17/2000	lmx-006s	49079	soil	West Wall	<0.1
5/17/2000	lmx-007s	49080	soil	Northwall 2ft Out	<0.1
5/17/2000	lmx-008s	49081	soil	East Wall 2 ft Out	<0.1
5/17/2000	lmx-009s	49082	soil	South Wall 2 ft. Out	<0.1
5/17/2000	lmx-010s	49083	soil	West Wall 2 ft. Out	<0.1
5/17/2000	lmx-011s	49084	soil	Back Ground	0.8
5/17/2000	gp-001s	49090	soil	Gravel Pit- SE & NW pit	0.6
5/17/2000	gp-002s	49091	soil	Gravel Pit- SW & NE pit	0.3
5/17/2000	gp-003s	49092	soil	Gravel Pit- NORTH pit	0.4
5/17/2000	gp-004s	49093	soil	Gravel Pit- WEST pit	<0.1
5/17/2000	gp-005s	49094	soil	Gravel Pit- SOUTH pit	<0.1
5/17/2000	gp-006s	49095	soil	Gravel Pit- EAST pit	<0.1
5/17/2000	gp-007s	49096	soil	Gravel Pit- EAST WALL 2 FT. OUT	<0.1
5/17/2000	gp-008s	49097	soil	Gravel Pit- SOUTH WALL 2 FT. OUT	<0.1
5/17/2000	gp-009s	49098	soil	Gravel Pit- WEST WALL 2 FT. OUT	<0.1
5/17/2000	gp-0010s	49099	soil	Gravel Pit- NORTH WALL 2 FT. OUT	<0.1
5/17/2000	gp-0011s	49100	soil	BACKGROUND 72' SW	<0.1
5/17/2000	2ful016s	49101	soil	303 fulghan-pool north wall	<0.1
5/17/2000	2ful017s	49102	soil	303 fulghan-pool west wall	<0.1
5/17/2000	2ful018s	49103	soil	303 fulghan-pool south wall	<0.1
5/17/2000	2ful019s	49104	soil	303 fulghan-pool east wall 2' out	<0.1
5/17/2000	2ful020s	49105	soil	303 fulghan-pool north wall 2' out	<0.1
5/17/2000	2ful021s	49106	soil	303 fulghan-pool west wall 2' out	<0.1
5/17/2000	2ful022s	49107	soil	303 fulghan-pool south wall 2' out	ND
5/17/2000	156-001	49085	wipe	Mr. Prine Pickup tag SZ2VS6-front center of bed	ND
5/17/2000	156-002	49086	wipe	Mr. Prine Pickup tag SZ2VS6-passenger side wall	ND
5/17/2000	156-003	49087	wipe	Mr. Prine Pickup tag SZ2VS6-rear center of bed	ND
5/17/2000	156-004	49088	wipe	Mr. Prine Pickup tag SZ2VS6-tail gate center	ND
5/17/2000	156-005	49089	wipe	Mr. Prine Pickup tag SZ2VS6-driver side wall	ND
5/17/2000	vau-001	49108	wipe	AC-001 compressor-front	ND
[illegible]9/2000				AC-001 compressor-left side of compressor	

5/19/2000	vau-003	49110	wipe	AC-001 compressor-rear	ND
5/19/2000	vau-004	49111	wipe	AC-001 compressor-right fender	ND
5/19/2000	vau-005	49112	wipe	AC-001 compressor-tool box	ND
5/19/2000	vau-006	49113	wipe	Tractor TH001-left side of trench hoe	ND
5/19/2000	vau-007	49114	wipe	Tractor TH001-right side of trench hoe	ND
5/19/2000	vau-008	49115	wipe	Tractor TH001-steering wheel	ND
5/19/2000	vau-009	49116	wipe	Tractor TH001-left fender	ND
5/19/2000	vau-010	49117	wipe	Tractor TH001-break & gas pedal	ND
5/19/2000	vau-011	49118	wipe	Tractor TH001-left side of front grader	<0.1
5/23/2000	front yard 1	49119	wipe	303 fulghan-front yard 1	<0.1
5/23/2000	front yard 2	49120	wipe	303 fulghan-front yard 2	<0.1
5/23/2000	front yard 3	49121	wipe	303 fulghan-front yard 3	<0.1
5/18/2000	Claiborn-1	49122	soil	Claiborn Res-Driveway	<0.1
5/18/2000	Claiborn-2	49123	soil	Claiborn Res-Driveway	<0.1
5/18/2000	Claiborn-3	49124	soil	Claiborn Res-Driveway	<0.1
5/18/2000	Claiborn-1	49125	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-2	49126	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-3	49127	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-4	49128	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-5	49129	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-6	49130	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-7	49131	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-8	49132	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-9	49133	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-10	49134	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-11	49135	soil	Claiborn Clearnace	<0.1
5/18/2000	Claiborn-12	49136	soil	Claiborn Clearnace	<0.1
5/23/2000	lue Tractor	49144	wipe	Blue Tractor1	<0.1
5/23/2000	lue Tractor	49145	wipe	Blue Tractor 2	<0.1
5/23/2000	lue Tractor	49146	wipe	Blue Tractor3	<0.1
5/23/2000	lue Tractor	49147	wipe	Blue Tractor4	<0.1
5/23/2000	lue Tractor	49148	wipe	Blue Tractor 5	<0.1
5/23/2000	lue Tractor	49149	wipe	Blue Tractor 6	<0.1
5/23/2000	lue Tractor	49150	wipe	Blue Tractor 7	4.3
5/23/2000	Bull Dozer 1	49151	wipe	Bull Dozer 1	5.1
5/23/2000	Bull Dozer 2	49152	wipe	Bull Dozer 2	ND
5/24/2000	AC201	49153	wipe	Air Compressor right front panel	ND

5/24/2000	AC 203	49155	wipe	Air Compressor hammer	ND
5/24/2000	AC 204	49156	wipe	Air Compressor front tongue	ND
5/24/2000	AC205	49157	wipe	Air Compressor left panel	ND
5/24/2000	AC206	49158	wipe	Air Compressor r. rear panel	ND
5/24/2000	KT-1	49159	wipe	Kubota tractor right inside bucket	ND
5/24/2000	KT2	49160	wipe	Kubota tractor left inside bucket	ND
5/24/2000	KT3	49161	wipe	Kubota right front tire	ND
5/24/2000	KT4	49162	wipe	Kubota left front tire	ND
5/24/2000	KT5	49163	wipe	Kubota right foot step	ND
5/24/2000	KT6	49164	wipe	Kubota cab floor	ND
5/24/2000	KT7	49165	wipe	Kubota steering wheel	ND
5/24/2000	KT8	49166	wipe	Kubota brake pedal	ND
5/24/2000	KT9	49167	wipe	Kubota right arm brace pad	ND
5/24/2000	KT10	49168	wipe	Kubota left brace arm pad	ND
5/24/2000	KT11	49169	wipe	Kubota inside rear bucket	0.5
5/24/2000	KT12	49170	wipe	Kubota outside rear bucket teeth	ND
5/24/2000	KT 13	49171	wipe	Kubota bottom outside rear bucket	ND
5/24/2000	KT14	49172	wipe	Kubota arm rest right	ND
5/24/2000	KT15	49173	wipe	Kubota arm rest left	na
5/24/2000	n/a	49174	n/a	no sample collected	ND
5/24/2000	007	49175	wipe	wt. Pump truck-front center of bed	ND
5/24/2000	008	49176	wipe	wt. Pump truck-passenger side wall	ND
5/24/2000	009	49177	wipe	wt. Pump truck-rear center of bed	ND
5/24/2000	010	49178	wipe	wt. Pump truck-passenger side tailgate	ND
5/24/2000	011	49179	wipe	wt. Pump truck tailgate lip	ND
5/24/2000	012	49180	wipe	wt. Pump truck driver side tailgate	ND
5/24/2000	013	49181	wipe	wt. Pump truck driver side wall	ND
5/24/2000	014	49182	wipe	wt. Pump truck passenger side door handle	ND
5/24/2000	015	49183	wipe	wt. Pump truck driver side rail	ND
5/24/2000	016	49184	wipe	wt. Pump truck passenger side wall	ND
5/24/2000	017	49185	wipe	wt. Pump truck driver side door handle	ND
5/24/2000	T01	49186	wipe	Track Hoe-front inside right bucket	ND
5/24/2000	T02	49187	wipe	Track Hoe -front inside left front bucket	0.3
5/24/2000	T03	49188	wipe	Track Hoe-right front tire	ND
5/24/2000	T04	49189	wipe	Track Hoe-right foot step	ND
5/24/2000	T05	49190	wipe	Track Hoe Steering wheel	ND
5/24/2000	T06	49191	wipe	Track Hoe-floor	ND
				Track Hoe Brake pad	

5/24/2000	T08	49193	wipe	Track Hoe right arm rest	ND
5/24/2000	T09	49194	wipe	Track Hoe right bracing arm pad	ND
5/24/2000	T10	49195	wipe	Track Hoe inside rear Bucket	ND
5/24/2000	T11	49196	wipe	Track Hoe left inside Bucket	ND
5/24/2000	T13	49197	wipe	Track Hoe Outside Bucket	ND
5/24/2000	T14	49198	wipe	Track Hoe left Brace arm pad	ND
5/24/2000	T15	49199	wipe	Track Hoe foot step	ND
5/24/2000	BH01	49200	wipe	Back Hoe right inside front bucket	ND
5/24/2000	BH02	49201	wipe	Back Hoe left inside front bucket	ND
5/24/2000	BH03	49202	wipe	Back Hoe right outside front bucket	ND
5/24/2000	BH04	49203	wipe	Back Hoe left outside front bucket	ND
5/24/2000	BH05	49204	wipe	Back Hoe right front tire	ND
5/24/2000	BH06	49205	wipe	Back Hoe left tire	ND
5/24/2000	BH07	49206	wipe	Back Hoe stirring wheel	ND
5/24/2000	BH08	49207	wipe	Back Hoe brake pedal	ND
5/24/2000	BH09	49208	wipe	Back Hoe right arm rest	ND
5/24/2000	BH10	49209	wipe	Back Hoe floor	ND
5/24/2000	BH11	49210	wipe	Back Hoe left bracing arm pad	ND
5/24/2000	BH12	49211	wipe	Back Hoe right bracing arm pad	ND
5/24/2000	BH13	49212	wipe	Back Hoe inside rear bucket	ND
5/24/2000	BH14	49213	wipe	Back Hoe outside teeth rear bucket	ND
5/24/2000	BH16	49214	wipe	Back Hoe outside rear bucket bottom	ND
5/24/2000	BD001	49215	wipe	Bulldozer front left blade	ND
5/24/2000	BD002	49216	wipe	Bulldozer front middle blade	ND
5/24/2000	BD003	49217	wipe	Bulldozer front right blade	ND
5/24/2000	BD004	49218	wipe	Bulldozer right brake paddle	ND
5/24/2000	BD005	49219	wipe	Bulldozer left brake paddle	ND
5/24/2000	BD006	49220	wipe	Bulldozer floor	ND
5/24/2000	BD007	49221	wipe	Bulldozer seat	ND
5/24/2000	BD008	49222	wipe	Bulldozer right arm rest	ND
5/24/2000	BD009	49223	wipe	Bulldozer left arm rest	ND
5/24/2000	BD010	49224	wipe	Bulldozer outer skin right side	ND
5/24/2000	BD011	49225	wipe	Bulldozer right outside track	ND
5/24/2000	BD012	49226	wipe	Bulldozer right outside track	ND
5/24/2000	BD013	49227	wipe	Bulldozer right outside track	ND
5/24/2000	BD014	49228	wipe	Bulldozer right outside track	ND
5/24/2000	BD015	49229	wipe	Bulldozer right inside track	ND
				Komatsu middle front skin plate	

5/24/2000	KOM047	49231	wipe	Komsuto right front skin plate	ND
5/24/2000	KOM048	49232	wipe	Komsuto left front skin plate	ND
5/24/2000	KOM049	49233	wipe	Komsuto left back skin plate	ND
5/24/2000	KOM050	49234	wipe	Komsuto right back skin plate	ND
5/24/2000	KOM031	49235	wipe	Komsuto right outside track	ND
5/24/2000	KOM032	49236	wipe	Komsuto right outside track	ND
5/24/2000	KOM033	49237	wipe	Komsuto right outside track	ND
5/24/2000	KOM034	49238	wipe	Komsuto right outside track	ND
5/24/2000	KOM035	49239	wipe	Komsuto right outside track	ND
5/24/2000	KOM036	49240	wipe	Komsuto right inside track	ND
5/24/2000	KOM037	49241	wipe	Komsuto right inside track	ND
5/24/2000	KOM038	49242	wipe	Komsuto right inside track	ND
5/24/2000	KOM039	49243	wipe	Komsuto right inside track	ND
5/24/2000	KOM040	49244	wipe	Komsuto right inside track	ND
5/24/2000	KOM041	49245	wipe	Komsuto right middle track	ND
5/24/2000	KOM042	49246	wipe	Komsuto right middle track	ND
5/24/2000	KOM043	49247	wipe	Komsuto right middle track	ND
5/24/2000	KOM044	49248	wipe	Komsuto right middle track	ND
5/24/2000	KOM045	49249	wipe	Komsuto right middle track	ND
5/24/2000	KOM016	49250	wipe	Komsuto left inside track	ND
5/24/2000	KOM017	49251	wipe	Komsuto left inside track	ND
5/24/2000	KOM018	49252	wipe	Komsuto left inside track	ND
5/24/2000	KOM019	49253	wipe	Komsuto left inside track	ND
5/24/2000	KOM020	49254	wipe	Komsuto left inside track	ND
5/24/2000	KOM021	49255	wipe	Komsuto left middle tract	ND
5/24/2000	KOM022	49256	wipe	Komsuto left middle tract	ND
5/24/2000	KOM023	49257	wipe	Komsuto left middle tract	ND
5/24/2000	KOM024	49258	wipe	Komsuto left middle tract	ND
5/24/2000	KOM025	49259	wipe	Komsuto left middle tract	ND
5/24/2000	KOM026	49260	wipe	Komsuto floor	ND
5/24/2000	KOM027	49261	wipe	Komsuto right foot paddle	ND
5/24/2000	KOM028	49262	wipe	Komsuto left foot paddle	ND
5/24/2000	KOM029	49263	wipe	Komsuto right stick	ND
5/24/2000	KOM030	49264	wipe	Komsuto seat	ND
5/24/2000	KOM001	49265	wipe	Komsuto inside left bucket	ND
5/24/2000	KOM002	49266	wipe	Komsuto inside left wall bucket	ND
5/24/2000	KOM003	49267	wipe	Komsuto inside right wall bucket	ND
				Komsuto inside right bucket	

5/24/2000	KOM005	49269	wipe	Komsuto teeth bucket	ND
5/24/2000	KOM006	49270	wipe	Komsuto outside right bucket	ND
5/24/2000	KOM007	49271	wipe	Komsuto outside mid back bucket	ND
5/24/2000	KOM008	49272	wipe	Komsuto outside left bucket	ND
5/24/2000	KOM009	49273	wipe	Komsuto joint of bucket	ND
5/24/2000	KOM010	49274	wipe	Komsuto outside joint	ND
5/24/2000	KOM011	49275	wipe	Komsuto left outside track	ND
5/24/2000	KOM012	49276	wipe	Komsuto left outside track	ND
5/24/2000	KOM013	49277	wipe	Komsuto left outside track	ND
5/24/2000	KOM014	49278	wipe	Komsuto left outside track	ND
5/24/2000	KOM015	49279	wipe	Komsuto left outside track	ND
5/24/2000	BD031	49280	wipe	Bull Dozer-left middle track	ND
5/24/2000	BD032	49281	wipe	Bull Dozer-left middle track	ND
5/24/2000	BD033	49282	wipe	Bull Dozer-left middle track	ND
5/24/2000	BD034	49283	wipe	Bull Dozer-left middle track	ND
5/24/2000	BD035	49284	wipe	Bull Dozer- left back skin	ND
5/24/2000	BD036	49285	wipe	Bull Dozer- right back skin	ND
5/24/2000	BD016	49286	wipe	Bull Dozer- right inside Track	ND
5/24/2000	BD017	49287	wipe	Bull Dozer- right inside Track	ND
5/24/2000	BD018	49288	wipe	Bull Dozer- right inside Track	ND
5/24/2000	BD019	49289	wipe	Bull Dozer-right middle track	ND
5/24/2000	BD020	49290	wipe	Bull Dozer-right middle track	ND
5/24/2000	BD021	49291	wipe	Bull Dozer-right middle track	ND
5/24/2000	BD022	49292	wipe	Bull Dozer-right middle track	ND
5/24/2000	BD023	49293	wipe	Bull Dozer-left outside track	ND
5/24/2000	BD024	49294	wipe	Bull Dozer-left outside track	ND
5/24/2000	BD025	49295	wipe	Bull Dozer-left outside track	ND
5/24/2000	BD026	49296	wipe	Bull Dozer-left outside track	ND
5/24/2000	BD027	49297	wipe	Bull Dozer-left inside track	ND
5/24/2000	BD028	49298	wipe	Bull Dozer-left inside track	ND
5/24/2000	BD029	49299	wipe	Bull Dozer-left inside track	ND
5/24/2000	BD030	49300	wipe	Bull Dozer-left inside track	ND

FILE COPY

Gretchen Zmitrovich
07/05/2001 11:01 AM

To: ahamel@afs.bwauto.com @ INETDEQ, robmartin001@aol.com @ INETDEQ
cc:

Subject: remediation reports

I have finished reviewing the reports and revised maps for the Dabney/Smith, medical clinic, and duplex properties. In lieu of sending a formal letter, I am submitting my comments to you via e-mail in hopes of expediting the process.

Medical clinic property:
1. On Figure 3, the following sampling locations are mislabeled: MCESS-8 given as KESS-8, MCESS-117 given as E117, MCEFS-5 given as MCEFC-5, MCDS-3 given as MCD5-3, MCDS-4 given as MCD5-4. MCESS-1 is on map twice-once by 18" pine and once in driveway; only have data for one sample. There was no data submitted for the following sampling locations: MCESS-47, MCESS-48, MCESS-49, MCESS-50.

2. The following sampling locations were on both Figures 2 (revised) and Figure 3, but in different locations: MCESS-52, MCESS-53, MCESS-54.

3. On Figure 2, MCEFS-73 is on map twice-once by covered carport and once on the Dabney/Smith-medical clinic property line; only have data for one sample.

4. I have data for the following samples but they are not on either map: MCEFS-6, MCEFS-10, MCEFS-16. MCESS-14. MCESS-15.

Dabney/Smith property:
1. On Figure 3, DSEFS-50 given as DSSEFS-50.

2. On Figure 2 (revised), DSEFS-39 given as EFS-39.

3. I have data for samples DSESS-17 and DSEFS-46, but they are not on either map.

4. On Figure 3, the samples taken around the current shed location are hard to read because of the black outline of the shed. I have data for DSESS-33, DSESS-35, and DSESS-36; however, it appears that only 2 of these are on the map.

5. I took 2 split samples with Kelly on Dec 4. Samples were labeled GS-1 and GS-2. They were taken in the gravel under the roofed area where I believe Jeff kept his boats. These samples are not on the map, nor are the data included in the report.

Duplex property:
I will be issuing a no further action letter on this property.

Submit revised maps, etc. by July 16. Paulette Herring with Dr. Kruss's office has been anxiously calling me for a submittal date on the no further action letter for the medical clinic. Last month I told her by the end of June, first of July. Jeff Smith has also been awaiting his report. These properties were finished months ago and we need to get them their reports and letters as soon as possible.

GeoEnvironmental Associates, LLC | MARTIN&SLAGLE

ROBERT L. MARTIN, LG
Principal Geologist

CHRISTINE E. SLAGLE
Principal Scientist

June 29, 2001

Ms. Gretchen Zmitrovich
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

SUBJECT: Addenda to Site Remediation Reports for Medical Center and Dabney-Smith Properties Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

Enclosed are addenda to the Site Remediation Reports for the Medical Center and Dabney/Smith properties in Crystal Springs, Mississippi submitted to the Mississippi Department of Environmental Quality (MDEQ) in April 2001. Remediation of these properties is complete.

Per your request, an additional sample location map has been generated for each site showing the locations of samples collected from within the soil that has been removed from the site and disposed of in accordance with DEQ requirements. Additionally, revisions have been made to the sample location maps showing confirmation of remediation to correct minor errors. A revised summary Table 1 and a field laboratory data errata sheet for the Dabney-Smith property are also included. The revised summary Table 1 was corrected to eliminate duplicated field sample identification numbers. The errata sheet identifies the field sample ID modifications for the field lab data sheets.

Two sets of addenda for each site are included in this submittal. All information included in this package should be attached to the appropriate Site Remediation Report when transmitted to the property owners.

828.669.3929 • 828.669.5289 Fax
PO Box 1023 • 208 Sutton Avenue • Black Mountain NC 28711

If you have any questions or comments, please contact me at (828) 669-3929.

Sincerely,
MARTIN & SLAGLE GEOENVIRONMENTAL ASSOCIATES, L.L.C

Robert L. Martin, L.G.

Principal Geologist

Attachments

cc.: Anastasia Hamel (2 copies)
Al Thomas
Tom Lupo
Scott Schang
Walter Rielley

TABLE 1
SUMMARY OF DATA SHOWING CONFIRMATION OF REMEDIATION

				Field Laboratory			
Field Lab Sample ID	Sample ID	Date Collected	Time Collected	Date Analyzed	Concentration (mg/Kg)	Date Analyzed	
1534	DS-EFS-28	01-Nov-00	14:46	01-Nov-00	< 0.10		
1535	DS-EFS-31	01-Nov-00	14:53	01-Nov-00	< 0.10		
1536	DS-EFS-32	01-Nov-00	14:55	01-Nov-00	< 0.10		
1552	DS-ESS-43	02-Nov-00	16:05	02-Nov-00	0.26		
1553	DS-ESS-44	02-Nov-00	16:15	02-Nov-00	0.19		
1555	DS-EFS-33	03-Nov-00	12:30	03-Nov-00	< 0.10		
1556	DS-EFS-34	03-Nov-00	12:35	03-Nov-00	< 0.10		
1557	DS-EFS-35	03-Nov-00	12:40	03-Nov-00	< 0.10		
1558	DS-EFS-36	03-Nov-00	12:45	03-Nov-00	< 0.10		
1559	DS-EFS-37	03-Nov-00	12:55	03-Nov-00	< 0.10		
1560	DS-EFS-38	03-Nov-00	13:00	03-Nov-00	< 0.10		
1561	DS-EFS-39	03-Nov-00	13:20	03-Nov-00	0.44		
1614	DS-ESS-45	07-Nov-00	9:30	07-Nov-00	0.44		
1615	DS-ESS-46	07-Nov-00	9:25	07-Nov-00	0.32		
1697	DS-EFS-40	15-Nov-00	14:15	15-Nov-00	< 0.10		
1698	DS-EFS-41	15-Nov-00	14:17	15-Nov-00	< 0.10		
1776	DS-ESS-51	27-Nov-00	16:38	27-Nov-00	0.17		
1777	DS-ESS-52	27-Nov-00	16:40	27-Nov-00	0.42		
1778	DS-ESS-53	27-Nov-00	16:41	27-Nov-00	0.39	11-Dec	0.21
1779	DS-EFS-43	28-Nov-00	8:54	28-Nov-00	< 0.10		
1780	DS-EFS-44	28-Nov-00	8:55	28-Nov-00	< 0.10		
1781	DS-EFS-45	28-Nov-00	8:56	28-Nov-00	< 0.10		
1786	DS-EFS-47	28-Nov-00	14:02	28-Nov-00	0.31		
1806	DS-EFS-49	30-Nov-00	13:31	05-Dec-00	0.57		
1822	DS-EFS-51A	05-Dec-00	15:50	05-Dec-00	0.29		
1823	DS-EFS-52	05-Dec-00	15:51	05-Dec-00	< 0.10		
1824	DS-ESS-57	06-Dec-00	13:50	06-Dec-00	0.78	11-Dec	<.14
1826	DS-EFS-54	06-Dec-00	14:02	06-Dec-00	0.34		
1827	DS-EFS-55	06-Dec-00	14:06	06-Dec-00	< 0.10		
1829	DS-ESS-59	07-Dec-00	10:04	07-Dec-00	0.92		
1830	DS-EFS-57	07-Dec-00	10:00	07-Dec-00	0.31		
1831	DS-EFS-58	07-Dec-00	10:01	07-Dec-00	0.33		
1832	DS-EFS-59	07-Dec-00	10:02	07-Dec-00	< 0.10	21-Dec	<.20
1833	DS-EFS-60	07-Dec-00	17:00	07-Dec-00	< 0.10		
1834	DS-EFS-61	07-Dec-00	17:01	07-Dec-00	< 0.10	21-Dec	<.20
AA09856	DS-ESS-60	27-Jan-01	8:14	01-Feb-01	0.20		
AA09857	DS-ESS-61	27-Jan-01	8:15	01-Feb-01	0.63		
AA09858	DS-ESS-62	27-Jan-01	8:16	01-Feb-01	0.44		
1566	MC-EFS-42	03-Nov-00	14:05	03-Nov-00	< 0.10		
1567	MC-EFS-43	03-Nov-00	14:10	03-Nov-00	< 0.10		
1573	MC-EFS-54	03-Nov-00	14:48	04-Nov-00	< 0.10		
1574	MC-EFS-55	03-Nov-00	14:50	03-Nov-00	< 0.10		
1575	MC-EFS-58	03-Nov-00	14:58	04-Nov-00	< 0.10		
1582	MC-EFS-56	03-Nov-00	14:52	04-Nov-00	< 0.10		
1583	MC-EFS-57	03-Nov-00	14:55	04-Nov-00	< 0.10		
1650	MC-EFS-84	07-Nov-00	15:50	08-Nov-00	< 0.10		
1655	MC-EFS-89	07-Nov-00	15:56	08-Nov-00	< 0.10		

Samples shown in bold were collected from locations along the common boundary with KEC.

* The "A" designation is added to selected field sample IDs to distinguish them from duplicated field sample IDs.

TABLE 1
SUMMARY OF DATA SHOWING CONFIRMATION OF REMEDIATION

				Field Laboratory		Fixed Laboratory	
Field Lab Sample ID	Sample ID	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)	Date Analyzed	Concentration (mg/kg)
1656	MC-EFS-90	07-Nov-00	15:57	08-Nov-00	< 0.10	18-Nov-00	<0.11
1657	MC-EFS-91	07-Nov-00	15:58	08-Nov-00	< 0.10		
1658	MC-EFS-92	07-Nov-00	15:59	08-Nov-00	< 0.10		
1659	MC-EFS-93	07-Nov-00	16:00	08-Nov-00	< 0.10		
1662	MC-EFS-96	07-Nov-00	16:03	08-Nov-00	0.11		
1666	MC-EFS-101	07-Nov-00	16:08	08-Nov-00	0.12		
1671	MC-EFS-106	07-Nov-00	16:13	08-Nov-00	0.12		
1602	MC-EFS-73	04-Nov-00	16:37	05-Nov-00	< 0.10		
1616	MC-ESS-141	07-Nov-00	9:20	07-Nov-00	0.73		

Samples shown in bold were collected from locations along the common boundary with KEC.
* The "A" designation is added to selected field sample IDs to distinguish them from duplicated field sample IDs.

TABLE 1
SUMMARY OF DATA SHOWING CONFIRMATION OF REMEDIATION

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1656	MC-EFS-90	07-Nov-00	15:57	08-Nov-00	< 0.10	18-Nov-00	<0.11
1657	MC-EFS-91	07-Nov-00	15:58	08-Nov-00	< 0.10		
1658	MC-EFS-92	07-Nov-00	15:59	08-Nov-00	< 0.10		
1659	MC-EFS-93	07-Nov-00	16:00	08-Nov-00	< 0.10		
1662	MC-EFS-96	07-Nov-00	16:03	08-Nov-00	0.11		
1666	MC-EFS-101	07-Nov-00	16:08	08-Nov-00	0.12		
1671	MC-EFS-106	07-Nov-00	16:13	08-Nov-00	0.12		
1602	MC-EFS-73	04-Nov-00	16:37	05-Nov-00	< 0.10		
1616	MC-ESS-141	07-Nov-00	9:20	07-Nov-00	0.73		

Samples shown in bold were collected from locations along the common boundary with KEC.
* The "A" designation is added to selected field sample IDs to distinguish them from duplicated field sample IDs.

ERRATA SHEET

Field Laboratory Report
Site Remediation
Dabney-Smith Property
April 2001

1. The prefix "DS" is changed to "JS" per the field notes and chain of custody record for the following field sample identification numbers:

Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	New Sample ID
1381	DS-ESS-1		26-Oct-00	17:40	JS-ESS-1
1382	DS-ESS-2		26-Oct-00	17:44	JS-ESS-2
1383	DS-ESS-3		26-Oct-00	17:46	JS-ESS-3
1384	DS-ESS-4		26-Oct-00	17:48	JS-ESS-4
1385	DS-EFS-1		26-Oct-00	17:42	JS-EFS-1

2. The suffix "A" is added to the following sample designations:

Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	New Sample ID
1470	DS-ESS-16		30-Oct-00	12:21	DS-ESS-16A
1471	DS-ESS-17		30-Oct-00	12:29	DS-ESS-17A
1472	DS-ESS-18		30-Oct-00	12:37	DS-ESS-18A
1473	DS-ESS-19		30-Oct-00	12:38	DS-ESS-19A
1474	DS-ESS-20		30-Oct-00	12:38	DS-ESS-20A
1475	DS-ESS-21		30-Oct-00	12:41	DS-ESS-21A

3. The following sample ID was changed from DS-EFS-61 to DS-EFS-62.

Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	New Sample ID
AA09859	DS-EFS-61		27-Jan-01	8:10	DS-EFS-62

LEGEND

— X —	FENCE
———	RIGHT-OF-WAY
——— · ———	PROPERTY LINE
•	MCEFS = SAMPLE LOCATION
MC	MEDICAL CENTER PROPERTY
DS	DABNEY/SMITH PROPERTY
EFS	Excavation Floor Sample
ESS	Excavation Sidewall Sample
50"	OAK
18"	PINE

Tract #36a-114.1
Dr. William F. Krooss, II,
&
Dr. Micheal H. Albert

DIG AREA

Shed

48"

28"

Covered Carport

1 Story Brick Bldg.

Porch

48"

DIG AREA

16"

DIG AREA

18"

50"

DIG AREA

LEE AVENUE

N

20 10 0 20 40 60

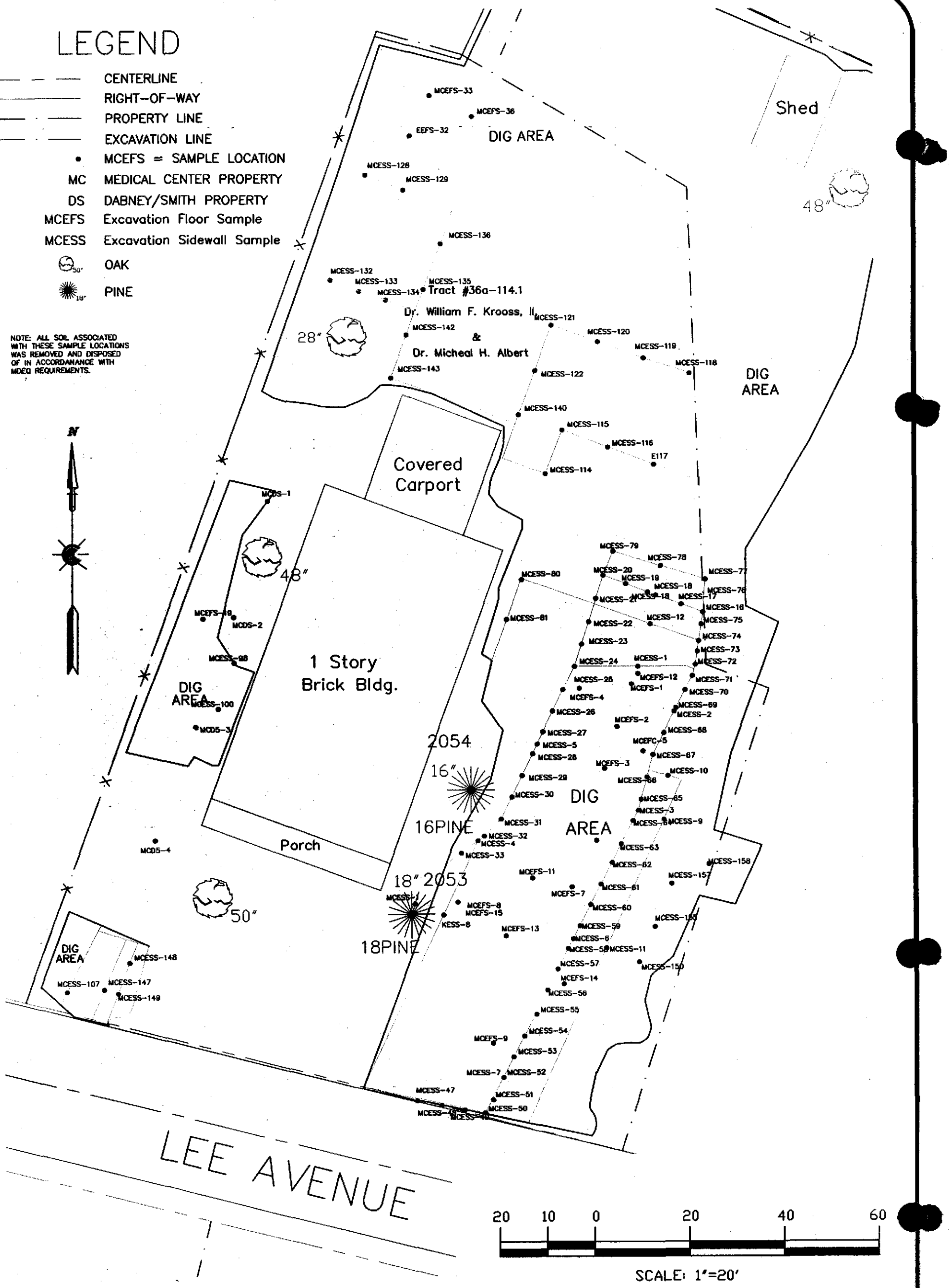
SCALE: 1"=20'

GeoEnvironmental Associates, LLC | MARTIN&SLAGLE PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.5289	PREPARED FOR: **BorgWarner Inc.**	SURVEYED BY: *MAPTECH, INC.*	SITE REMEDIATION Medical Center Property SAMPLE LOCATION MAP PROJECT NO.: BW00-1 DWG NO: 324A-0343-1100-102-01c DRWN: RRB | CHK: RLM | REV: 0 | DATE: 4/12/01	SCALE 1"=20'	FIGURE 2

LEGEND

- CENTERLINE
- RIGHT-OF-WAY
- PROPERTY LINE
- EXCAVATION LINE
- • MCEFS = SAMPLE LOCATION
- MC MEDICAL CENTER PROPERTY
- DS DABNEY/SMITH PROPERTY
- MCEFS Excavation Floor Sample
- MCESS Excavation Sidewall Sample
- OAK
- PINE

NOTE: ALL SOIL ASSOCIATED WITH THESE SAMPLE LOCATIONS WAS REMOVED AND DISPOSED OF IN ACCORDANANCE WITH MDEQ REQUIREMENTS.



SCALE: 1"=20'

GeoEnvironmental Associates, LLC | MARTIN&SLAGLE PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.5289	PREPARED FOR: **BorgWarner Inc.**	SURVEYED BY: *MAPTECH, INC.*	SITE REMEDIATION Medical Center Property SAMPLE LOCATION MAP PROJECT NO.: BW00-1 DWG NO: 324A-0343-1100-102-01c DRWN: RRB | CHK: RLM | REV: 0 | DATE: 4/12/01	SCALE 1"=20'	FIGURE 3

GeoEnvironmental Associates, LLC | MARTIN&SLAGLE

ROBERT L. MARTIN, LG
Principal Geologist

CHRISTINE E. SLAGLE
Principal Scientist

April 14, 2001

Ms. Gretchen Zmitrovich
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

SUBJECT: Closure Reports for Medical Center, Dabney/Smith and Newman Duplex Properties Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

Enclosed are two reports each for the referenced properties in Crystal Springs, Mississippi. Remediation of the three properties is complete.

If you have any questions or comments, please contact me at (828) 669-3929.

Sincerely,

MARTIN & SLAGLE GEOENVIRONMENTAL ASSOCIATES, L.L.C

Robert L. Martin, L.G.
Principal Geologist

Attachments

cc.: Anastasia Hamel
Hugh Webb
Al Thomas
Tom Lupo
Scott Schang

828.669.3929 • 828.669.5289 Fax
PO Box 1023 • 208 Sutton Avenue • Black Mountain NC 28711

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STATE OF MISSISSIPPI
DAVID RONALD MUSGROVE, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

February 9, 2001

William F. Krooss, M.D.
Michael H. Albert, M.D.
Post Office Box 16930
Jackson, MS 39236

RE: soil and wipe sampling

Dear Drs. Krooss and Albert:

Please find attached the report for the soil and wipe sampling conducted at 413 Lee Avenue in Crystal Springs, MS. The report includes the following:

1. a map showing the sampling locations,
2. a table containing the sample results from the analysis conducted by the mobile laboratory, Environmental Chemistry Consulting Services,
3. data sheets containing the split sample results from the analysis conducted by the fixed laboratory, Paradigm Analytical Laboratories, Inc., and
4. data sheets containing the split sample results from the analysis conducted by MDEQ's laboratory.

Please contact Gretchen Zmitrovich at 601-961-5240 if you have any questions regarding this report.

Sincerely,

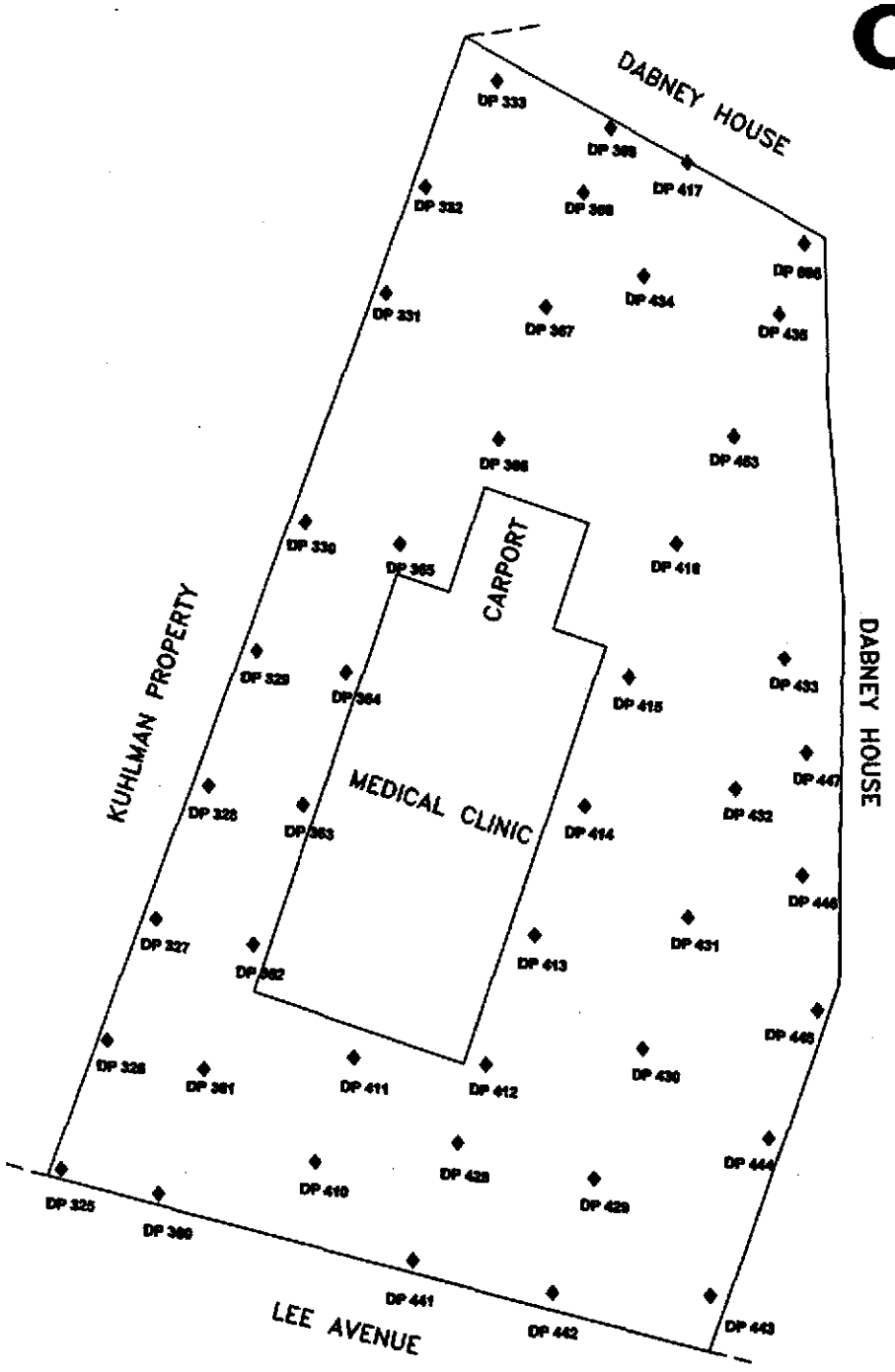
T Russell

Tony Russell, Chief
Uncontrolled Sites Section

Enclosure

Kuhlman Electric-413 Lee (Medical Clinic) report_2-9-01 (gz)

COPY



LEGEND

◆ SAMPLE POINT

DP 382 SAMPLE POINT NUMBER

25 0 25 50

1) ALL DISTANCES ARE ESTIMATED
2) THIS MAP WAS PREPARED FROM RECORD MAPS
3) THIS MAP HAS BEEN PREPARED FOR PRESENTATION PURPOSES ONLY

SAMPLE LOCATIONS FOR LEE AVENUE MEDICAL CENTER 413 LEE AVENUE

SCALE: AS SHOWN	DR MDI	CHK TF	REV BPS

PREPARED BY:

OGDEN ENVIRONMENTAL AND ENGINEERING SERVICES
200 SOUTH OLD STATEVILLE ROAD • HUNTERSVILLE, NC 28078 • 704-875-3570

PROJ: 073350000	DATE: 09/24/00	SHEET 1 OF 1

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-325	DP-325	DP-326	DP-326	DP-327	DP-327	DP-328	DP-328	DP-328
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	2	3
	Lab #	55	56	57	58	59	60	61	346	347
PCB as 1260		**0.99**	<0.10	0.43	<0.10	0.45	<0.10	**4.0**	<0.10	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00
	Collection Time	7:25	7:28	7:32	7:33	7:38	7:37	7:41	10:36	10:37
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00

WIPE SAMPLES (TOTAL UG)					
Target Analyte	Sample #	MCW-1	MCW-2	MCW-3	MCW-4
	Depth (ft(				
	Lab #	762	763	764	765
PCB as 1260		<0.50	<0.50	<0.50	<0.50
	Collection Date	8/30/00	8/30/00	8/30/00	8/30/00
	Collection Time	15:28	15:30	15:32	15:33
	Injection Date	8/31/00	8/31/00	8/31/00	8/31/00

LOCATIONS:

MCW1: Left of brass plate on front door.
MCW2: Top of Rheem air conditioning unit.
MCW3: Right of knob, westernmost rear door.
MCW4: Right of knob, easternmost rear door.

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-328	DP-329	DP-329	DP-330	DP-330	DP-331	DP-331	DP-332	DP-332
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	62	63	64	65	66	67	68	69	70
PCB as 1260		<0.10	0.69	<0.10	0.34	<0.10	0.52	<0.10	3.4	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00
	Collection Time	7:43	7:59	8:02	8:04	8:06	8:16	8:19	8:23	8:25
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/18/00	8/18/00	8/18/00	8/18/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-332	DP-332	DP-333	DP-333	DP-333	DP-333	DP-360	DP-360	DP-361
	Depth (ft)	2	3	0.5	2	3	4	0.5	4	0.5
	Lab #	338	339	71	340	341	72	141	142	143
PCB as 1260		<0.10	<0.10	6.1	<0.10	<0.10	<0.10	<0.10	NA	0.22
	Collection Date	8/22/00	8/22/00	8/17/00	8/22/00	8/22/00	8/17/00	8/18/00	8/18/00	8/18/00
	Collection Time	10:16	10:17	8:45	10:14	10:15	8:47	12:54	12:55	12:57
	Injection Date	8/22/00	8/22/00	8/18/00	8/22/00	8/22/00	8/18/00	8/18/00	NA	8/18/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-361	DP-362	DP-362	DP-363	DP-363	DP-364	DP-364	DP-365	DP-365
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	144	145	146	147	148	149	150	151	152
PCB as 1260		<0.10	0.47	<0.10	0.42	<0.10	0.34	<0.10	<0.10	NA
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00
	Collection Time	12:58	13:01	13:02	13:52	13:54	13:57	13:59	14:01	14:02
	Injection Date	8/19/00	8/18/00	8/19/00	8/18/00	8/19/00	8/19/00	8/19/00	8/19/00	NA

Notes:

NA indicates sample not analyzed

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-366	DP-366	DP-367	DP-367	DP-368	DP-368	DP-369	DP-369	DP-410
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	153	154	155	156	157	158	159	160	241
PCB as 1260		<0.10	NA	<0.10	NA	<0.10	NA	0.45	<0.10	<0.10
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/19/00
	Collection Time	14:06	14:07	14:09	14:10	14:12	14:14	14:22	14:24	14:26
	Injection Date	8/19/00	NA	8/19/00	NA	8/19/00	NA	8/19/00	8/20/00	8/19/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-410	DP-411	DP-411	DP-412	DP-412	DP-413	DP-413	DP-414	DP-414
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	242	243	244	245	246	247	248	249	250
PCB as 1260		NA	0.28	<0.10	0.78	<0.10	<0.10	NA	0.14	<0.10
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00
	Collection Time	14:27	14:31	14:33	14:35	14:37	14:41	14:43	15:20	15:22
	Injection Date	NA	8/19/00	8/20/00	8/19/00	8/20/00	8/19/00	NA	8/19/00	8/20/00

Notes:

NA indicates sample not analyzed

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-415	DP-415	DP-416	DP-416	DP-417	DP-417	DP-428	DP-428	DP-429
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	251	252	253	254	255	256	277	278	279
PCB as 1260		0.12	<0.10	<0.10	NA	0.10	<0.10	0.44	<0.10	0.89
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/20/00	8/20/00	8/20/00
	Collection Time	15:27	15:29	15:30	15:31	15:33	15:35	9:05	9:07	9:15
	Injection Date	8/20/00	8/20/00	8/20/00	NA	8/20/00	8/20/00	8/20/00	20-Aug	8/20/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-429	DP-429	DP-429	DP-430	DP-430	DP-430	DP-430	DP-431	DP-431
	Depth (ft)	2	3	4	0.5	2	3	4	0.5	4
	Lab #	332	333	280	281	334	335	282	283	284
PCB as 1260		<0.10	<0.10	<0.10	1.6	<0.10	<0.10	<0.10	0.70	<0.10
	Collection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:10	9:11	9:16	9:17	9:12	9:13	9:18	9:20	9:21
	Injection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-432	DP-432	DP-432	DP-432	DP-433	DP-433	DP-434	DP-434	DP-435
	Depth (ft)	0.5	2	3	4	0.5	4	0.5	4	0.5
	Lab #	285	342	343	286	287	288	289	290	291
PCB as 1260		5.1	<0.10	<0.10	<0.10	<0.10	NA	<0.10	NA	0.74
	Collection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:51	10:12	10:13	9:52	9:48	9:49	9:48	9:49	9:51
	Injection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	NA	8/20/00	NA	8/20/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-435	DP-441	DP-441	DP-442	DP-442	DP-442	DP-442	DP-443	DP-443
	Depth (ft)	4	0.5	4	0.5	2	3	4	0.5	4
	Lab #	292	308	309	310	336	337	311	312	313
PCB as 1260		<0.10	0.70	<0.10	1.0	1.9	<0.10	<0.10	0.43	<0.10
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:52	14:34	14:35	14:46	9:07	9:08	14:47	15:06	15:07
	Injection Date	8/20/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00	8/22/00	8/20/00	8/22/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-444	DP-444	DP-445	DP-445	DP-446	DP-446	DP-447	DP-447	DP-453
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	314	315	316	317	318	319	320	321	344
PCB as 1260		0.11	<0.10	0.28	<0.10	0.12	<0.10	0.69	<0.10	0.17
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00
	Collection Time	15:10	15:11	15:14	15:15	15:17	15:18	15:24	15:25	10:06
	Injection Date	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)							
Target Analyte	Sample #	DP-453	DP-326	DP-329	DP-698	DP-431	DP-441
	Depth (ft)	4	0.1	0.1	0.1	0.1	0.1
	Lab #	345	1107	1108	1103	1109	1110
PCB as 1260		<0.10	**1.1**	**1.4**	**5.2**	0.16	0.15
	Collection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00
	Collection Time	10:07	9:05	9:14	8:55	9:10	9:08
	Injection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00

PARADIGM ANALYTICAL LABORATORIES INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 412-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93911
Lab Project ID: G185-79
Matrix: Soil

%SOLIDS: 93.9

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	160	BQL
Arochlor-1221	160	BQL
Arochlor-1232	160	BQL
Arochlor-1242	160	BQL
Arochlor-1248	160	BQL
Arochlor-1254	160	BQL
Arochlor-1260	160	340
Arochlor-1262	160	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	96	96

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: [signature]

PAR[redacted]GM ANALYTICAL LABORATORI[redacted]INC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 412-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93911
Lab Project ID: G185-79
Matrix: Soil

%Solids: 93.9

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	500	BQL
Acenaphthylene	500	BQL
Anthracene	500	BQL
Benzo[a]anthracene	500	BQL
Benzo[a]pyrene	500	BQL
Benzo[b]fluoranthene	500	BQL
Benzo[g,h,i]perylene	500	BQL
Benzo[k]fluoranthene	500	BQL
Benzoic Acid	1000	BQL
Bis(2-chloroethoxy)methane	500	BQL
Bis(2-chloroethyl)ether	500	BQL
Bis(2-chloroisopropyl)ether	500	BQL
Bis(2-ethylhexyl)phthalate	500	BQL
4-bromophenyl phenyl ether	500	BQL
Butylbenzylphthalate	500	BQL
4-Chloroaniline	500	BQL
4-Chloro-3-methylphenol	500	BQL
2-Chloronaphthalene	500	BQL
2-Chlorophenol	500	BQL
4-Chlorophenyl phenyl ether	500	BQL
Chrysene	500	BQL
Di-n-Butylphthalate	500	BQL
Di-n-octylphthalate	500	BQL
Dibenzo[a,h]anthracene	500	BQL
Dibenzofuran	500	BQL
1,2-Dichlorobenzene	500	BQL
1,3-Dichlorobenzene	500	BQL
1,4-Dichlorobenzene	500	BQL
3,3'-Dichlorobenzidine	1000	BQL
2,4-Dichlorophenol	500	BQL
Diethylphthalate	500	BQL
2,4-Dimethylphenol	500	BQL
Dimethylphthalate	500	BQL
4,6-Dinitro-2-methylphenol	2500	BQL
2,4-Dinitrophenol	2500	BQL
2,4-Dinitrotoluene	500	BQL
2,6-Dinitrotoluene	500	BQL
Fluoranthene	500	530
Fluorene	500	BQL
Hexachlorobenzene	500	BQL
Hexachlorobutadiene	500	BQL
Hexachlorocyclopentadiene	1000	BQL
Hexachloroethane	500	BQL
Indeno(1,2,3-c,d)pyrene	500	BQL
Isophorone	500	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 412-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93911
Lab Project ID: G185-79
Matrix: Soil %Solids: 93.9

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	500	BQL
2-Methylphenol	500	BQL
3- & 4-Methylphenol	500	BQL
N-Nitrosodi-n-propylamine	500	BQL
N-Nitrosodiphenylamine	500	BQL
Naphthalene	500	BQL
2-Nitroaniline	500	BQL
3-Nitroaniline	500	BQL
4-Nitroaniline	500	BQL
Nitrobenzene	500	BQL
2-Nitrophenol	500	BQL
4-Nitrophenol	2500	BQL
Pentachlorobenzene	500	BQL
Pentachlorophenol	2500	BQL
Phenanthrene	500	BQL
Phenol	500	BQL
Pyrene	500	BQL
1,2,3,4-Tetrachlorobenzene	500	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	500	BQL
1,2,3-Trichlorobenzene	500	BQL
1,2,4-Trichlorobenzene	500	BQL
1,3,5-Trichlorobenzene	500	BQL
2,4,5-Trichlorophenol	500	BQL
2,4,6-Trichlorophenol	500	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	2	20
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	3.7	37
2,4,6-Tribromophenol	10	5.4	54
4-Terphenyl-d14	10	10.4	105

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARAGON ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 412-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93911			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	93.9	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Unknown			600
2	Unknown			350
3	Unknown			350
4	Unknown			310
5	Unknown			300
6	Unknown			280
7	Unknown			250
8	Unknown			220
9				
10				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 432-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93910
Lab Project ID: G185-79
Matrix: Soil

%SOLIDS: 84.4

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 9/7/00
Analyzed By: CLP
Dilution: 10

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	1800	BQL
Arochlor-1221	1800	BQL
Arochlor-1232	1800	BQL
Arochlor-1242	1800	BQL
Arochlor-1248	1800	BQL
Arochlor-1254	1800	BQL
Arochlor-1260	1800	**2200**
Arochlor-1262	1800	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	NA	NA

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 432-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93910
Lab Project ID: G185-79
Matrix: Soil %Solids: 84.4

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	390	BQL
Acenaphthylene	390	BQL
Anthracene	390	BQL
Benzo[a]anthracene	390	**1200**
Benzo[a]pyrene	390	**1200**
Benzo[b]fluoranthene	390	**1200**
Benzo[g,h,i]perylene	390	**430**
Benzo[k]fluoranthene	390	**990**
Benzoic Acid	790	BQL
Bis(2-chloroethoxy)methane	390	BQL
Bis(2-chloroethyl)ether	390	BQL
Bis(2-chloroisopropyl)ether	390	BQL
Bis(2-ethylhexyl)phthalate	390	BQL
4-bromophenyl phenyl ether	390	BQL
Butylbenzylphthalate	390	BQL
4-Chloroaniline	390	BQL
4-Chloro-3-methylphenol	390	BQL
2-Chloronaphthalene	390	BQL
2-Chlorophenol	390	BQL
4-Chlorophenyl phenyl ether	390	BQL
Chrysene	390	**1100**
Di-n-Butylphthalate	390	BQL
Di-n-octylphthalate	390	BQL
Dibenzo[a,h]anthracene	390	BQL
Dibenzofuran	390	BQL
1,2-Dichlorobenzene	390	BQL
1,3-Dichlorobenzene	390	BQL
1,4-Dichlorobenzene	390	BQL
3,3'-Dichlorobenzidine	790	BQL
2,4-Dichlorophenol	390	BQL
Diethylphthalate	390	BQL
2,4-Dimethylphenol	390	BQL
Dimethylphthalate	390	BQL
4,6-Dinitro-2-methylphenol	2000	BQL
2,4-Dinitrophenol	2000	BQL
2,4-Dinitrotoluene	390	BQL
2,6-Dinitrotoluene	390	BQL
Fluoranthene	390	**2800**
Fluorene	390	BQL
Hexachlorobenzene	390	BQL
Hexachlorobutadiene	390	BQL
Hexachlorocyclopentadiene	790	BQL
Hexachloroethane	390	BQL
Indeno(1,2,3-c,d)pyrene	390	**530**
Isophorone	390	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 432-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93910
Lab Project ID: G185-79
Matrix: Soil %Solids: 84.4

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	390	BQL
2-Methylphenol	390	BQL
3- & 4-Methylphenol	390	BQL
N-Nitrosodi-n-propylamine	390	BQL
N-Nitrosodiphenylamine	390	BQL
Naphthalene	390	BQL
2-Nitroaniline	390	BQL
3-Nitroaniline	390	BQL
4-Nitroaniline	390	BQL
Nitrobenzene	390	BQL
2-Nitrophenol	390	BQL
4-Nitrophenol	2000	BQL
Pentachlorobenzene	390	BQL
Pentachlorophenol	2000	BQL
Phenanthrene	390	**1300**
Phenol	390	BQL
Pyrene	390	**1900**
1,2,3,4-Tetrachlorobenzene	390	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	390	BQL
1,2,3-Trichlorobenzene	390	BQL
1,2,4-Trichlorobenzene	390	BQL
1,3,5-Trichlorobenzene	390	BQL
2,4,5-Trichlorophenol	390	BQL
2,4,6-Trichlorophenol	390	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	0.58	5.8
Nitrobenzene-d5	10	8.9	89
Phenol-d6	10	2.6	26
2,4,6-Tribromophenol	10	3.5	35
4-Terphenyl-d14	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARAGON ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 432-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93910			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	84.4	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Aromatic, Unknown			950
2	Unknown			540
3	Unknown			420
4	Unknown			390
5	Unknown			380
6	Alkane, Unknown			370
7	Unknown			360
8	Unknown			330
9	Unknown			320
10	Unknown			320

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 441-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93916
Lab Project ID: G185-79
Matrix: Soil

%SOLIDS: 92.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	170	BQL
Arochlor-1221	170	BQL
Arochlor-1232	170	BQL
Arochlor-1242	170	BQL
Arochlor-1248	170	BQL
Arochlor-1254	170	BQL
Arochlor-1260	170	650
Arochlor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	105	105

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 441-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93916
Lab Project ID: G185-79
Matrix: Soil %Solids: 92.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	420	BQL
Acenaphthylene	420	BQL
Anthracene	420	BQL
Benzo[a]anthracene	420	BQL
Benzo[a]pyrene	420	BQL
Benzo[b]fluoranthene	420	BQL
Benzo[g,h,i]perylene	420	BQL
Benzo[k]fluoranthene	420	BQL
Benzoic Acid	840	BQL
Bis(2-chloroethoxy)methane	420	BQL
Bis(2-chloroethyl)ether	420	BQL
Bis(2-chloroisopropyl)ether	420	BQL
Bis(2-ethylhexyl)phthalate	420	BQL
4-bromophenyl phenyl ether	420	BQL
Butylbenzylphthalate	420	BQL
4-Chloroaniline	420	BQL
4-Chloro-3-methylphenol	420	BQL
2-Chloronaphthalene	420	BQL
2-Chlorophenol	420	BQL
4-Chlorophenyl phenyl ether	420	BQL
Chrysene	420	BQL
Di-n-Butylphthalate	420	BQL
Di-n-octylphthalate	420	BQL
Dibenzo[a,h]anthracene	420	BQL
Dibenzofuran	420	BQL
1,2-Dichlorobenzene	420	BQL
1,3-Dichlorobenzene	420	BQL
1,4-Dichlorobenzene	420	BQL
3,3'-Dichlorobenzidine	840	BQL
2,4-Dichlorophenol	420	BQL
Diethylphthalate	420	BQL
2,4-Dimethylphenol	420	BQL
Dimethylphthalate	420	BQL
4,6-Dinitro-2-methylphenol	2100	BQL
2,4-Dinitrophenol	2100	BQL
2,4-Dinitrotoluene	420	BQL
2,6-Dinitrotoluene	420	BQL
Fluoranthene	420	BQL
Fluorene	420	BQL
Hexachlorobenzene	420	BQL
Hexachlorobutadiene	420	BQL
Hexachlorocyclopentadiene	840	BQL
Hexachloroethane	420	BQL
Indeno(1,2,3-c,d)pyrene	420	BQL
Isophorone	420	BQL

PARAGON ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 441-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93916
Lab Project ID: G185-79
Matrix: Soil

%Solids: 92.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	420	BQL
2-Methylphenol	420	BQL
3- & 4-Methylphenol	420	BQL
N-Nitrosodi-n-propylamine	420	BQL
N-Nitrosodiphenylamine	420	BQL
Naphthalene	420	BQL
2-Nitroaniline	420	BQL
3-Nitroaniline	420	BQL
4-Nitroaniline	420	BQL
Nitrobenzene	420	BQL
2-Nitrophenol	420	BQL
4-Nitrophenol	2100	BQL
Pentachlorobenzene	420	BQL
Pentachlorophenol	2100	BQL
Phenanthrene	420	BQL
Phenol	420	BQL
Pyrene	420	BQL
1,2,3,4-Tetrachlorobenzene	420	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	420	BQL
1,2,3-Trichlorobenzene	420	BQL
1,2,4-Trichlorobenzene	420	BQL
1,3,5-Trichlorobenzene	420	BQL
2,4,5-Trichlorophenol	420	BQL
2,4,6-Trichlorophenol	420	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.4	114
2-Fluorophenol	10	10.1	101
Nitrobenzene-d5	10	10.7	107
Phenol-d6	10	10.7	107
2,4,6-Tribromophenol	10	11.7	117
4-Terphenyl-d14	10	11.9	119

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARAGON ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 441-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93916			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	92.1	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Unknown			180000
2	Aromatic, Unknown			110000
3	Aromatic, Unknown			100000
4	Unknown			88000
5	Unknown			75000
6				
7				
8				
9				
10				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 444-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93915
Lab Project ID: G185-79
Matrix: Soil

%SOLIDS: 91.7

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	170	BQL
Arochlor-1221	170	BQL
Arochlor-1232	170	BQL
Arochlor-1242	170	BQL
Arochlor-1248	170	BQL
Arochlor-1254	170	BQL
Arochlor-1260	170	BQL
Arochlor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
DBC	100	100	100

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 444-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93915
Lab Project ID: G185-79
Matrix: Soil %Solids: 91.7

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	540	BQL
Acenaphthylene	540	BQL
Anthracene	540	BQL
Benzo[a]anthracene	540	BQL
Benzo[a]pyrene	540	BQL
Benzo[b]fluoranthene	540	BQL
Benzo[g,h,i]perylene	540	BQL
Benzo[k]fluoranthene	540	BQL
Benzoic Acid	1100	BQL
Bis(2-chloroethoxy)methane	540	BQL
Bis(2-chloroethyl)ether	540	BQL
Bis(2-chloroisopropyl)ether	540	BQL
Bis(2-ethylhexyl)phthalate	540	BQL
4-bromophenyl phenyl ether	540	BQL
Butylbenzylphthalate	540	BQL
4-Chloroaniline	540	BQL
4-Chloro-3-methylphenol	540	BQL
2-Chloronaphthalene	540	BQL
2-Chlorophenol	540	BQL
4-Chlorophenyl phenyl ether	540	BQL
Chrysene	540	BQL
Di-n-Butylphthalate	540	BQL
Di-n-octylphthalate	540	BQL
Dibenzo[a,h]anthracene	540	BQL
Dibenzofuran	540	BQL
1,2-Dichlorobenzene	540	BQL
1,3-Dichlorobenzene	540	BQL
1,4-Dichlorobenzene	540	BQL
3,3'-Dichlorobenzidine	1100	BQL
2,4-Dichlorophenol	540	BQL
Diethylphthalate	540	BQL
2,4-Dimethylphenol	540	BQL
Dimethylphthalate	540	BQL
4,6-Dinitro-2-methylphenol	2700	BQL
2,4-Dinitrophenol	2700	BQL
2,4-Dinitrotoluene	540	BQL
2,6-Dinitrotoluene	540	BQL
Fluoranthene	540	BQL
Fluorene	540	BQL
Hexachlorobenzene	540	BQL
Hexachlorobutadiene	540	BQL
Hexachlorocyclopentadiene	1100	BQL
Hexachloroethane	540	BQL
Indeno(1,2,3-c,d)pyrene	540	BQL
Isophorone	540	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 444-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93915
Lab Project ID: G185-79
Matrix: Soil %Solids: 91.7

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	540	BQL
2-Methylphenol	540	BQL
3- & 4-Methylphenol	540	BQL
N-Nitrosodi-n-propylamine	540	BQL
N-Nitrosodiphenylamine	540	BQL
Naphthalene	540	BQL
2-Nitroaniline	540	BQL
3-Nitroaniline	540	BQL
4-Nitroaniline	540	BQL
Nitrobenzene	540	BQL
2-Nitrophenol	540	BQL
4-Nitrophenol	2700	BQL
Pentachlorobenzene	540	BQL
Pentachlorophenol	2700	BQL
Phenanthrene	540	BQL
Phenol	540	BQL
Pyrene	540	BQL
1,2,3,4-Tetrachlorobenzene	540	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	540	BQL
1,2,3-Trichlorobenzene	540	BQL
1,2,4-Trichlorobenzene	540	BQL
1,3,5-Trichlorobenzene	540	BQL
2,4,5-Trichlorophenol	540	BQL
2,4,6-Trichlorophenol	540	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
2-Fluorophenol	10	0.49	4.9
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	2.1	21
2,4,6-Tribromophenol	10	2.3	23
4-Terphenyl-d14	10	10.5	105

Comments:

Results are corrected for %solids and dilution where applicable.
Sample was reanalyzed due to low surrogate recoveries.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

PARAGEM ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 444-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93915			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	91.7	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Unknown			280
2	Unknown			260
3				
4				
5				
6				
7				
8				
9				
10				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Sample was re-extracted due to low surrogate recoveries.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 446-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93913
Lab Project ID: G185-79
Matrix: Soil

%SOLIDS: 94.5

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	160	BQL
Arochlor-1221	160	BQL
Arochlor-1232	160	BQL
Arochlor-1242	160	BQL
Arochlor-1248	160	BQL
Arochlor-1254	160	BQL
Arochlor-1260	160	BQL
Arochlor-1262	160	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	98	98

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

PAR[redacted]GM ANALYTICAL LABORATORI[redacted]INC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 446-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93913
Lab Project ID: G185-79
Matrix: Soil %Solids: 94.5

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	490	BQL
Acenaphthylene	490	BQL
Anthracene	490	BQL
Benzo[a]anthracene	490	BQL
Benzo[a]pyrene	490	BQL
Benzo[b]fluoranthene	490	BQL
Benzo[g,h,i]perylene	490	BQL
Benzo[k]fluoranthene	490	BQL
Benzoic Acid	970	BQL
Bis(2-chloroethoxy)methane	490	BQL
Bis(2-chloroethyl)ether	490	BQL
Bis(2-chloroisopropyl)ether	490	BQL
Bis(2-ethylhexyl)phthalate	490	BQL
4-bromophenyl phenyl ether	490	BQL
Butylbenzylphthalate	490	BQL
4-Chloroaniline	490	BQL
4-Chloro-3-methylphenol	490	BQL
2-Chloronaphthalene	490	BQL
2-Chlorophenol	490	BQL
4-Chlorophenyl phenyl ether	490	BQL
Chrysene	490	BQL
Di-n-Butylphthalate	490	BQL
Di-n-octylphthalate	490	BQL
Dibenzo[a,h]anthracene	490	BQL
Dibenzofuran	490	BQL
1,2-Dichlorobenzene	490	BQL
1,3-Dichlorobenzene	490	BQL
1,4-Dichlorobenzene	490	BQL
3,3'-Dichlorobenzidine	970	BQL
2,4-Dichlorophenol	490	BQL
Diethylphthalate	490	BQL
2,4-Dimethylphenol	490	BQL
Dimethylphthalate	490	BQL
4,6-Dinitro-2-methylphenol	2400	BQL
2,4-Dinitrophenol	2400	BQL
2,4-Dinitrotoluene	490	BQL
2,6-Dinitrotoluene	490	BQL
Fluoranthene	490	BQL
Fluorene	490	BQL
Hexachlorobenzene	490	BQL
Hexachlorobutadiene	490	BQL
Hexachlorocyclopentadiene	970	BQL
Hexachloroethane	490	BQL
Indeno(1,2,3-c,d)pyrene	490	BQL
Isophorone	490	BQL

PARA[redacted]M ANALYTICAL LABORATORIE[redacted]NC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 446-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93913
Lab Project ID: G185-79
Matrix: Soil %Solids: 94.5

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	490	BQL
2-Methylphenol	490	BQL
3- & 4-Methylphenol	490	BQL
N-Nitrosodi-n-propylamine	490	BQL
N-Nitrosodiphenylamine	490	BQL
Naphthalene	490	BQL
2-Nitroaniline	490	BQL
3-Nitroaniline	490	BQL
4-Nitroaniline	490	BQL
Nitrobenzene	490	BQL
2-Nitrophenol	490	BQL
4-Nitrophenol	2400	BQL
Pentachlorobenzene	490	BQL
Pentachlorophenol	2400	BQL
Phenanthrene	490	BQL
Phenol	490	BQL
Pyrene	490	BQL
1,2,3,4-Tetrachlorobenzene	490	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	490	BQL
1,2,3-Trichlorobenzene	490	BQL
1,2,4-Trichlorobenzene	490	BQL
1,3,5-Trichlorobenzene	490	BQL
2,4,5-Trichlorophenol	490	BQL
2,4,6-Trichlorophenol	490	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	105
2-Fluorophenol	10	1.4	14
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	4.5	45
2,4,6-Tribromophenol	10	3.1	31
4-Terphenyl-d14	10	10.5	105

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

PARAGEM ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 446-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93913			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	94.5	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Unknown			480
2	Unknown			470
3	Unknown			370
4	Unknown			300
5	Unknown			260
6	Unknown			240
7	Unknown			240
8	Unknown			210
9				
10				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 447-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93914
Lab Project ID: G185-79
Matrix: Soil %SOLIDS: 89.2

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	170	BQL
Arochlor-1221	170	BQL
Arochlor-1232	170	BQL
Arochlor-1242	170	BQL
Arochlor-1248	170	BQL
Arochlor-1254	170	BQL
Arochlor-1260	170	**850**
Arochlor-1262	170	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	71	71

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: [signature]

PARA[redacted]M ANALYTICAL LABORATORIES[redacted]NC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 447-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93914
Lab Project ID: G185-79
Matrix: Soil %Solids: 89.2

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	550	BQL
Acenaphthylene	550	BQL
Anthracene	550	BQL
Benzo[a]anthracene	550	BQL
Benzo[a]pyrene	550	BQL
Benzo[b]fluoranthene	550	590
Benzo[g,h,i]perylene	550	BQL
Benzo[k]fluoranthene	550	BQL
Benzoic Acid	1100	BQL
Bis(2-chloroethoxy)methane	550	BQL
Bis(2-chloroethyl)ether	550	BQL
Bis(2-chloroisopropyl)ether	550	BQL
Bis(2-ethylhexyl)phthalate	550	BQL
4-bromophenyl phenyl ether	550	BQL
Butylbenzylphthalate	550	BQL
4-Chloroaniline	550	BQL
4-Chloro-3-methylphenol	550	BQL
2-Chloronaphthalene	550	BQL
2-Chlorophenol	550	BQL
4-Chlorophenyl phenyl ether	550	BQL
Chrysene	550	BQL
Di-n-Butylphthalate	550	BQL
Di-n-octylphthalate	550	BQL
Dibenzo[a,h]anthracene	550	BQL
Dibenzofuran	550	BQL
1,2-Dichlorobenzene	550	BQL
1,3-Dichlorobenzene	550	BQL
1,4-Dichlorobenzene	550	BQL
3,3'-Dichlorobenzidine	1100	BQL
2,4-Dichlorophenol	550	BQL
Diethylphthalate	550	BQL
2,4-Dimethylphenol	550	BQL
Dimethylphthalate	550	BQL
4,6-Dinitro-2-methylphenol	2800	BQL
2,4-Dinitrophenol	2800	BQL
2,4-Dinitrotoluene	550	BQL
2,6-Dinitrotoluene	550	BQL
Fluoranthene	550	960
Fluorene	550	BQL
Hexachlorobenzene	550	BQL
Hexachlorobutadiene	550	BQL
Hexachlorocyclopentadiene	1100	BQL
Hexachloroethane	550	BQL
Indeno(1,2,3-c,d)pyrene	550	BQL
Isophorone	550	BQL

PARAGON ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 447-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93914
Lab Project ID: G185-79
Matrix: Soil %Solids: 89.2

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	550	**690**
2-Methylphenol	550	BQL
3- & 4-Methylphenol	550	BQL
N-Nitrosodi-n-propylamine	550	BQL
N-Nitrosodiphenylamine	550	BQL
Naphthalene	550	BQL
2-Nitroaniline	550	BQL
3-Nitroaniline	550	BQL
4-Nitroaniline	550	BQL
Nitrobenzene	550	BQL
2-Nitrophenol	550	BQL
4-Nitrophenol	2800	BQL
Pentachlorobenzene	550	BQL
Pentachlorophenol	2800	BQL
Phenanthrene	550	**680**
Phenol	550	BQL
Pyrene	550	**720**
1,2,3,4-Tetrachlorobenzene	550	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	550	BQL
1,2,3-Trichlorobenzene	550	BQL
1,2,4-Trichlorobenzene	550	BQL
1,3,5-Trichlorobenzene	550	BQL
2,4,5-Trichlorophenol	550	BQL
2,4,6-Trichlorophenol	550	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
2-Fluorophenol	10	3	30
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	5.9	59
2,4,6-Tribromophenol	10	6.1	61
4-Terphenyl-d14	10	10.8	108

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARAGON ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID:	DP 447-0.5			Date Collected:	8/22/00
Client Project ID:	Kuhlman			Date Received:	8/23/00
Lab Sample ID:	93914			Date Analyzed:	8/31/00
Lab Project ID:	G185-79			Analyzed By:	MRC
Matrix:	Soil	%SOLIDS	89.2	Dilution:	1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Alkane, Unknown			1000000
2	Alkane, Unknown			660000
3	Alkane, Unknown			660000
4	Alkane, Unknown			550000
5	Unknown			500000
6	Alkane, Unknown			420000
7	Alkane, Unknown			380000
8	Alkane, Unknown			360000
9	Alkane, Unknown			360000
10	Unknown			340000

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

PARAGON ANALYTICAL LABORATORIES, INC.

Results for PCBs
by EPA 8082

Client Sample ID: DP 453-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93906
Lab Project ID: G185-79
Matrix: Soil %SOLIDS: 94.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/30/00
Analyzed By: CLP
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Arochlor-1016	150	BQL
Arochlor-1221	150	BQL
Arochlor-1232	150	BQL
Arochlor-1242	150	BQL
Arochlor-1248	150	BQL
Arochlor-1254	150	BQL
Arochlor-1260	150	**190**
Arochlor-1262	150	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	97	97

*Sample was quantitated as Aroclor 1260, but appears to contain a mixture of Aroclor 1260 and Aroclor 1262.

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 453-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93906
Lab Project ID: G185-79
Matrix: Soil %Solids: 94.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
Acenaphthene	490	BQL
Acenaphthylene	490	BQL
Anthracene	490	BQL
Benzo[a]anthracene	490	BQL
Benzo[a]pyrene	490	BQL
Benzo[b]fluoranthene	490	BQL
Benzo[g,h,i]perylene	490	BQL
Benzo[k]fluoranthene	490	BQL
Benzoic Acid	990	BQL
Bis(2-chloroethoxy)methane	490	BQL
Bis(2-chloroethyl)ether	490	BQL
Bis(2-chloroisopropyl)ether	490	BQL
Bis(2-ethylhexyl)phthalate	490	BQL
4-bromophenyl phenyl ether	490	BQL
Butylbenzylphthalate	490	BQL
4-Chloroaniline	490	BQL
4-Chloro-3-methylphenol	490	BQL
2-Chloronaphthalene	490	BQL
2-Chlorophenol	490	BQL
4-Chlorophenyl phenyl ether	490	BQL
Chrysene	490	BQL
Di-n-Butylphthalate	490	BQL
Di-n-octylphthalate	490	BQL
Dibenzo[a,h]anthracene	490	BQL
Dibenzofuran	490	BQL
1,2-Dichlorobenzene	490	BQL
1,3-Dichlorobenzene	490	BQL
1,4-Dichlorobenzene	490	BQL
3,3'-Dichlorobenzidine	990	BQL
2,4-Dichlorophenol	490	BQL
Diethylphthalate	490	BQL
2,4-Dimethylphenol	490	BQL
Dimethylphthalate	490	BQL
4,6-Dinitro-2-methylphenol	2500	BQL
2,4-Dinitrophenol	2500	BQL
2,4-Dinitrotoluene	490	BQL
2,6-Dinitrotoluene	490	BQL
Fluoranthene	490	BQL
Fluorene	490	BQL
Hexachlorobenzene	490	BQL
Hexachlorobutadiene	490	BQL
Hexachlorocyclopentadiene	990	BQL
Hexachloroethane	490	BQL
Indeno(1,2,3-c,d)pyrene	490	BQL
Isophorone	490	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DP 453-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93906
Lab Project ID: G185-79
Matrix: Soil

%Solids: 94.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/KG)	Result (ug/KG)
2-Methylnaphthalene	490	BQL
2-Methylphenol	490	BQL
3- & 4-Methylphenol	490	BQL
N-Nitrosodi-n-propylamine	490	BQL
N-Nitrosodiphenylamine	490	BQL
Naphthalene	490	BQL
2-Nitroaniline	490	BQL
3-Nitroaniline	490	BQL
4-Nitroaniline	490	BQL
Nitrobenzene	490	BQL
2-Nitrophenol	490	BQL
4-Nitrophenol	2500	BQL
Pentachlorobenzene	490	BQL
Pentachlorophenol	2500	BQL
Phenanthrene	490	BQL
Phenol	490	BQL
Pyrene	490	BQL
1,2,3,4-Tetrachlorobenzene	490	BQL
1,2,3,5- & 1,2,4,5-Tetrachlorobenzene	490	BQL
1,2,3-Trichlorobenzene	490	BQL
1,2,4-Trichlorobenzene	490	BQL
1,3,5-Trichlorobenzene	490	BQL
2,4,5-Trichlorophenol	490	BQL
2,4,6-Trichlorophenol	490	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11	110
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	10.6	106
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	8	80
4-Terphenyl-d14	10	11.4	114

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARAGEM ANALYTICAL LABORATORIES, INC.

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: DP 453-0.5
Client Project ID: Kuhlman
Lab Sample ID: 93906
Lab Project ID: G185-79
Matrix: Soil %SOLIDS 94.1

Date Collected: 8/22/00
Date Received: 8/23/00
Date Analyzed: 8/31/00
Analyzed By: MRC
Dilution: 1

Num.	Compound	CAS#	Match Probability	Result (ug/KG)
1	Unknown			3500
2	Unknown			800
3	Unknown			700
4	Unknown			400
5	Unknown			200
6				
7				
8				
9				
10				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak height of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak height is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 6021
Cost Code: 3858

I. GENERAL INFORMATION:

Facility Name: Kuhlman Electric Corp.
County Code: Copiah **NPDES Permit No.:**
Discharge No: **Date Requested: 8-23-00**
Sample Point Identification: DP 453-0.5
Requested By: Gretchen Zmitrovich **Data To: Gretchen Zmitrovich**
Type of Sample: Grab: Composite: Flow: Time: Other:

II. SAMPLE IDENTIFICATION:

Environment Condition: **Collected By: T. Fitzpatriack**
Where Taken:

	Type	Parameters	Preservative	Date	Time
1.	Soil	PCB	None	8-22-00	1006
2.					
3.					
4.					
5.					
6.					

III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date
PH	000400				
D.O.	000300				
Temperature	000010				
Residual Chlorine	050060				
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: M. McCardle **Date: 8-23-00** **Time: 1025**
Recorded by: T. Sawyer **Date Sent to State Office:** 9-21-00

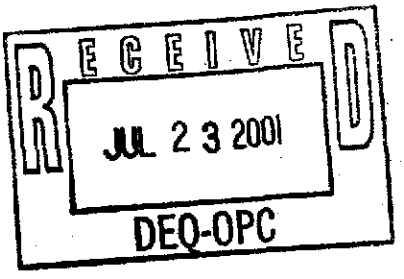
VI. Remarks:

GeoEnvironmental Associates, LLC | MARTIN&SLAGLE

ROBERT L. MARTIN, LG
Principal Geologist

CHRISTINE E. SLAGLE
Principal Scientist

MEMO



To: Gretchen Zmitrovich
From: Martin & Slagle
Date: July 18, 2001

Re: Revised Maps for Site Remediation Reports
Medical Center and Dabney-Smith Properties
Crystal Springs, Mississippi

Enclosed please find two copies of the revised maps for Medical Center Property.

If you have any questions, please feel free to contact me at (828) 669-3929.

D. J. Martin

Administrative Assistant
Martin & Slagle

DJM/dbm
Enclosures

828.669.3929 • 828.669.5289 Fax
PO Box 1023 • 208 Sutton Avenue • Black Mountain NC 28711

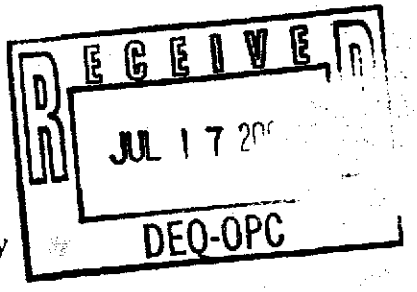
GeoEnvironmental Associates, LLC | MARTIN & SLAGLE

FILE COPY

ROBERT L. MARTIN, LG
Principal Geologist

CHRISTINE E. SLAGLE
Principal Scientist

July 13, 2001



Ms. Gretchen Zmitrovich
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

SUBJECT: Revised Maps for Site Remediation Reports
Medical Center and Dabney-Smith Properties
Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

Enclosed are revised maps for the Site Remediation Reports for the Medical Center and Dabney/Smith properties in Crystal Springs, Mississippi submitted to the Mississippi Department of Environmental Quality (MDEQ) in April 2001. Laboratory data sheets are included for samples GS-1, GS-2, and GS-3, which were collected from beneath the shed buildings on the Dabney/Smith property.

Two sets of maps for each site are included in this submittal. All information included in this package should be attached to the appropriate Site Remediation Report when transmitted to the property owners.

If you have any questions or comments, please contact me at (828) 669-3929.

Sincerely,
MARTIN & SLAGLE GEOENVIRONMENTAL ASSOCIATES, L.L.C

Robert L. Martin, L.G.

Principal Geologist

Attachments

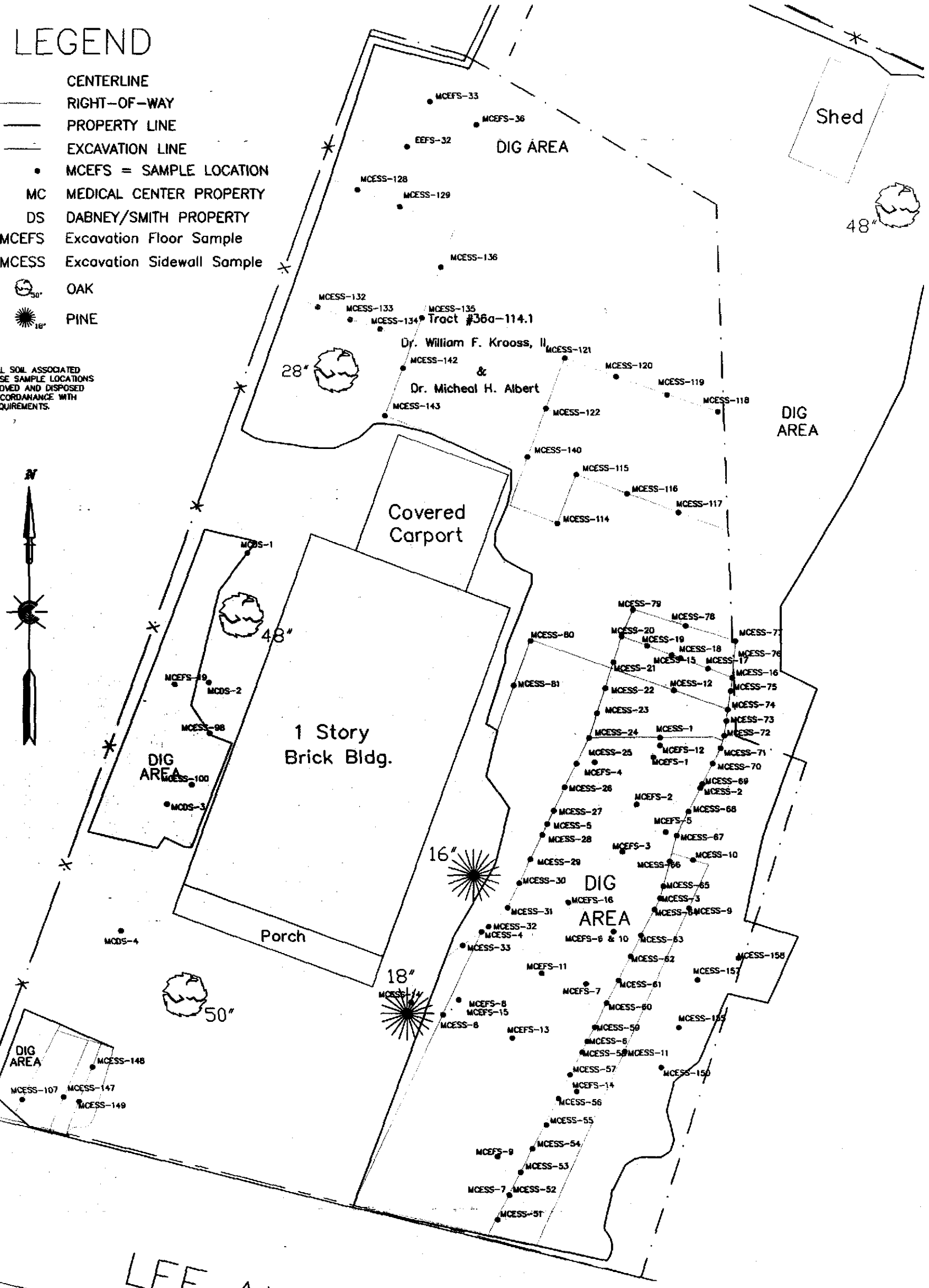
Cc.: Anastasia Hamel (2 copies)
Al Thomas
Tom Lupo
Scott Schang
Walter Rielley

828.669.3929 • 828.669.5289 Fax
PO Box 1023 • 208 Sutton Avenue • Black Mountain NC 28711

LEGEND

- CENTERLINE
- RIGHT-OF-WAY
- PROPERTY LINE
- EXCAVATION LINE
- • MCEFS = SAMPLE LOCATION
- MC MEDICAL CENTER PROPERTY
- DS DABNEY/SMITH PROPERTY
- MCEFS Excavation Floor Sample
- MCESS Excavation Sidewall Sample
- OAK
- PINE

NOTE: ALL SOIL ASSOCIATED WITH THESE SAMPLE LOCATIONS WAS REMOVED AND DISPOSED OF IN ACCORDANANCE WITH MDEQ REQUIREMENTS.



20 10 0 20 40 60

SCALE: 1"=20'

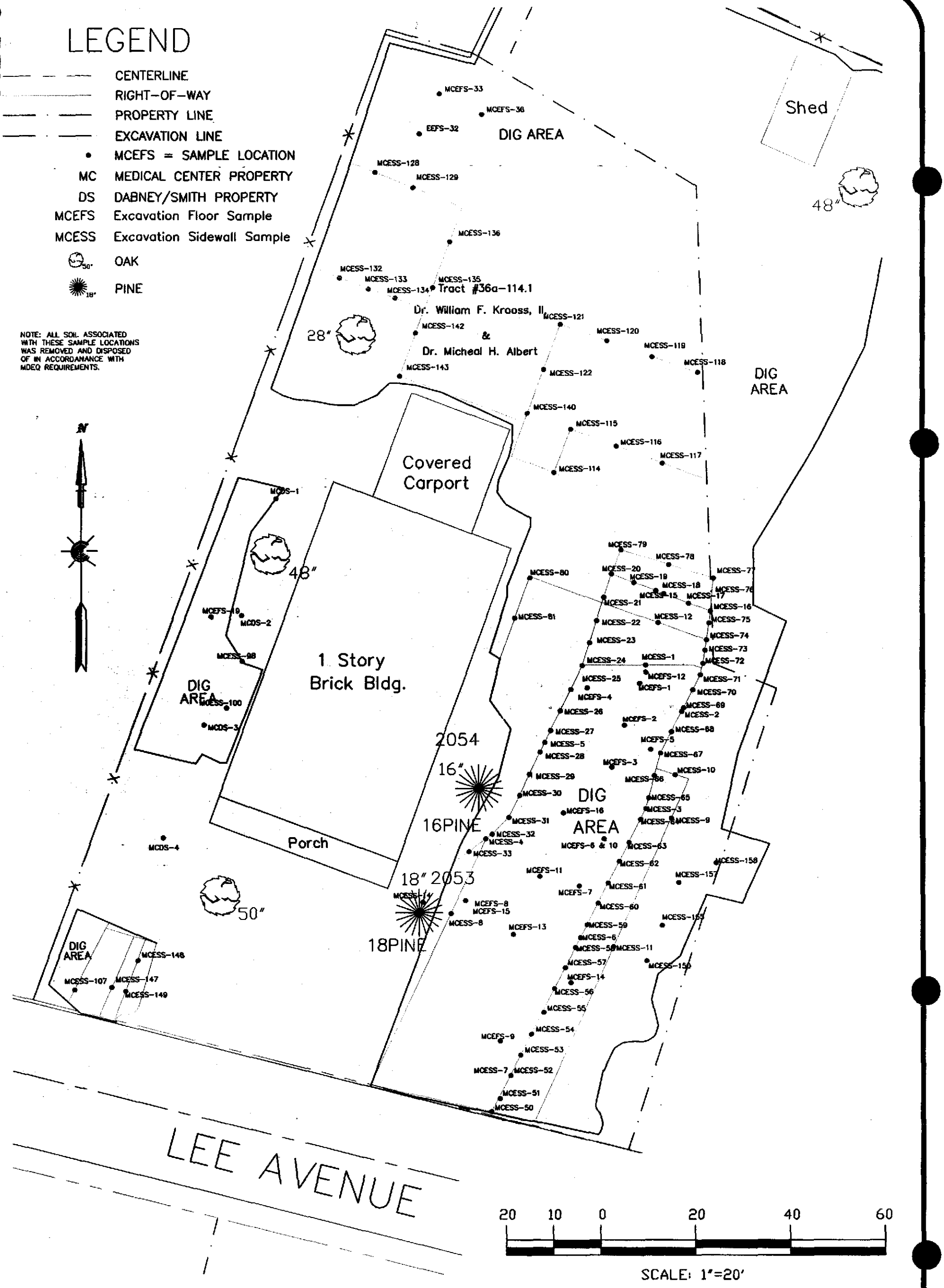
GeoEnvironmental Associates, LLC MARTIN&SLAGLE PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.5289	PREPARED FOR: **BorgWarner Inc.**	SURVEYED BY: *MAPTECH, INC.* PROJECT NO.: BW00-1 DWG NO: 324A-0343-1100-103-01c DRWN: DGR CHK: RLM REV: 1 DATE: 7/13/01	SITE REMEDIATION Medical Center SAMPLE LOCATION MAP	SCALE 1"=20' FIGURE 3

FILE COPY

LEGEND

- CENTERLINE
- RIGHT-OF-WAY
- PROPERTY LINE
- EXCAVATION LINE
- MCEFS = SAMPLE LOCATION
- MC MEDICAL CENTER PROPERTY
- DS DABNEY/SMITH PROPERTY
- MCEFS Excavation Floor Sample
- MCESS Excavation Sidewall Sample
- OAK
- PINE

NOTE: ALL SOIL ASSOCIATED WITH THESE SAMPLE LOCATIONS WAS REMOVED AND DISPOSED OF IN ACCORDANANCE WITH MDEQ REQUIREMENTS.

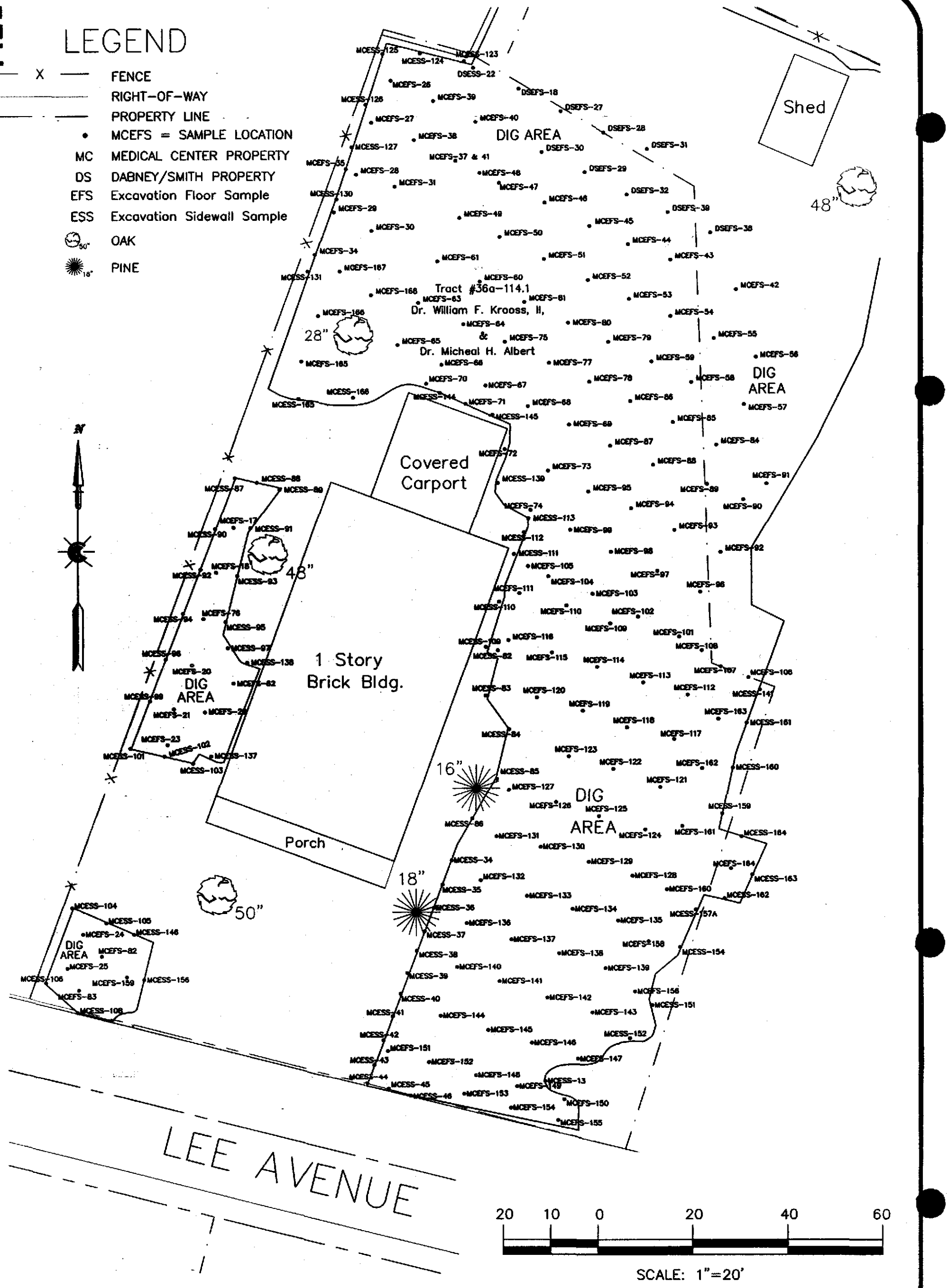


GeoEnvironmental Associates, LLC | MARTIN&SLAGLE PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.5289	PREPARED FOR: **BorgWarner Inc.**	SURVEYED BY: *MAPTECH, INC.*	SITE REMEDIATION Medical Center Property SAMPLE LOCATION MAP PROJECT NO.: BW00-1 DWG NO: 324A-0343-1100-102-01c DRWN: DGR | CHK: RLM | REV: 1 | DATE: 7/13/01	SCALE 1"=20'	FIGURE 3

FILE COPY

LEGEND

- FENCE
- RIGHT-OF-WAY
- PROPERTY LINE
- MCEFS = SAMPLE LOCATION
- MC MEDICAL CENTER PROPERTY
- DS DABNEY/SMITH PROPERTY
- EFS Excavation Floor Sample
- ESS Excavation Sidewall Sample
- OAK
- PINE



GeoEnvironmental Associates, LLC | MARTIN&SLAGLE PO Box 1023 Black Mountain NC 28711 828.669.3929 828.669.5289	PREPARED FOR: **BorgWarner Inc.**	SURVEYED BY: *MAPTECH, INC.*	SITE REMEDIATION Medical Center Property SAMPLE LOCATION MAP PROJECT NO.: 6W00-1 DWG NO: 324A-0343-1100-102-01c DRWN: DGR | CHK: RLM | REV: 3 | DATE: 7/13/01	SCALE 1"=20'	FIGURE 2

FILE COPY

January 26, 2001

Robert Martin
Martin & Slagle, LLC
P.O. Box 1023
Black Mountain, NC 28711

Dear Mr. Martin,

Enclosed is the final Technical Memorandum for work completed at the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi during the month of October. If you have any questions concerning this information, please give me a call.

Sincerely,

Richard Johnson

Richard Johnson

Enclosure

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road • Madison, WI 53718 • Phone (608) 221-8700 • FAX (608) 221-4889

TECHNICAL MEMORANDUM

January 26, 2001

To: Robert Martin
Martin & Slagle, LLC

From: Richard Johnson
ECCS, Inc.

Re: Field Analytical Methods – QC Summary
Borg Warner – Kuhlman Electric Facility
Crystal Springs, Mississippi

INTRODUCTION

This Technical Memorandum provides documentation of the field analytical test methods used to analyze soil samples collected on October 27, 2000 during an accelerated site investigation episode at the former Borg Warner and current Kuhlman Electric facility in Crystal Springs, Mississippi. Soil samples were analyzed for polychlorinated biphenyls (PCBs) and chlorinated benzenes by gas chromatography (GC) in accordance with ECCS's Polychlorinated Biphenyl (PCB) Mini Extraction Screening Procedure. A summary of test results is provided in Table 1. A summary of method blanks, laboratory control samples and matrix spike/matrix spike duplicate data is provided in Table 2.

The PCB mini-extraction procedure is based on the existing EPA SW846 methods 8082/8141. The procedure incorporates all the quality control rigors of the full 8082/8141 methods including quantification based on 6-point calibration with continuing calibration verification, surrogate method performance monitoring, method blanks, laboratory control samples (LCS), and matrix spike/matrix spike (MS/MSD) duplicate samples. As such, you should consider these test results as comparable to what you would get from a fixed-based laboratory using the more-widely accepted extraction procedure.

The primary project objective of the sampling and testing episode was to delineate the PCB contamination at and around the site using the accelerated site characterization approach. The mobile laboratory was required to provide data as quickly as possible to keep the accelerated site investigation process on track while trying to maintain a goal of level three data quality.

CASE NARRATIVE

During the one-day episode, 3 samples were collected and analyzed. To maintain rapid turnaround and to meet the project objective, two GCs were operated on a nearly continuous basis.

Quality control including proper calibration, continuing calibration verification, surrogates, method blanks, laboratory control samples and matrix spike/matrix spike duplicate samples was performed at the method-specified intervals. Overall quality of the data is very good. The following quality related issues should be noted:

1. All surrogate recoveries were within acceptable ranger.

2. All LCS recoveries were within acceptable ranges. See Table 2.

3. All MS/MSD recoveries were within acceptable ranges. Percent repeatability was also within acceptable ranges. See Table 2.

METHOD SUMMARY

This method employs a mini-extraction procedure and gas chromatography analysis for the detection of PCBs and chlorinated benzenes. Reporting limits are provided in the results Tables. Four grams of sample are dried with anhydrous sodium sulfate and extracted with eight mLs of 80/20 iso-octane/acetone. The extract is then analyzed by Gas Chromatography-Electron Capture Detector (GC-ECD).

Procedure

1. Standards Preparation - Primary standards are prepared from a solution purchased from various vendors at Certified concentrations. Stock standards are prepared in suitable solvents and stored in a freezer when not in use. Secondary standards are prepared in 80/20 iso-octane/acetone and stored in a freezer when not in use. Standard curve mixes for this project was prepared at six concentrations: PCBs – 0.05, 0.10, 0.20, 0.50, 1.0 and 2.0 ug/m; chlorinated benzenes – 0.005, 0.01, 0.02, 0.05, 0.10 and 0.20 ug/ml.

2. Sample Preparation - SOILS: Each sample or quality control sample is prepared in identical fashion. Approximately four grams of silica sand (blanks and control spikes) or sample is transferred into a clean scintillation vial. Four grams of anhydrous sodium sulfate are added to the vial and mixed well. Extra sodium sulfate is added when necessary to assure the sample is dried. A surrogate, spike compound mix (if necessary) and eight mLs of 80/20 iso-octane/ acetone are added to the vial. The vial is shaken for 30 seconds, allowed to settle for 2 minutes, shaken again for 30 seconds, and allowed to settle for 10 minutes. An aliquot of the extract is transferred to an autosampler vial for injection into the GC-ECD.

3. GC-ECD Analysis - A sample aliquot is injected into an HP5890 GC with an ECD equipped with an HP ChemStation for data processing. PCBs were identified by matching retention times of standards to the same retention time in the sample. Regression analysis was performed on each of the selected peak's height verses concentration of the standard using a LN/LN transformed linear regression. For PCBs nine peaks were selected for quantification. The ug/mL value for each peak was added together and divided by the number of peaks selected to obtain the total PCB ug/mL result. If interference occurred at any of the peaks, these peaks were not included in the total, and the divisor was reduced accordingly.

4. Quality Control - Quality control consisted of the following items:
   - Continuing calibration standards analyzed every ten samples or less and at the end of a run.
   - Blank and LCS samples analyzed every twenty sample or less with a minimum of one per day.
   - MS/MSD samples analyzed every twenty samples or less with a minimum of one per day.
   - Information is documented in logbook 40 and October run sheets.

5. Instrument Conditions - Two HP5890 gas chromatographs were equipped with RTX-35 capillary columns. Each system had a Leap Technologies A200S auto-sampler and an HP ChemStation for data handling.

Technical Memorandum

Borg Warner / Kuhlman Electric

Crystal Springs, Mississippi

Table 1
FITZGERALD ESTATE PROPERTY
413 Lee Street
Crystal Springs, Mississippi
PCB Concentrations Detected in Soil

					Field Laboratory	
Field Lab Sample ID	Sample ID	Sample Depth (ft bgs)	Date Collected	Time Collected	Date Analyzed	Concentration (mg/kg)
1386	GS-1		27-Oct-00	14:45	27-Oct-00	2.2
1387	GS-2		27-Oct-00	14:53	27-Oct-00	17 [E]
1388	GS-3		27-Oct-00	15:04	27-Oct-00	1.3

[E] = Estimated value, exceeds calibration range.

Table 2

QC Summary

Lab # associated with qc samples: 1386 through 1388

	Matrix Spike 1386	Matrix Spike Duplicate 1386		Blank 85	LCS 85
Date Analyzed:	10/27/2000	10/27/2000		10/27/2000	10/27/2000

Compound	% Rec		% Rec		% RPD	mg/kg	% Rec
PCB as 1260	140		150		-7%	< 0.1	95.7

BorgWarner Inc. 200 South Michigan Avenue Chicago Illinois 60604 Telephone 312 322 8500

AH-00-1638

VIA UPS NEXT DAY AIR

BorgWarner

December 20, 2000

Anastasia Hamel
Director, Environmental Programs
BorgWarner Inc.
11955 East Nine Mile Road
Warren, Michigan 48089

Ms. Gretchen Zmitrovich
Mississippi Department of Environmental Quality
Office of Pollution Control
101 West Capitol Street
Jackson, Mississippi 39201

Re: **Progress Report of Assessment and Remediation Activities**
Kuhlman Electric Corporation and Residential Properties
Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

This is a progress report to summarize the assessment and remediation activities related to PCB contamination at Crystal Springs, Mississippi. BorgWarner's last update was October 31, 2000. As you are aware, pursuant to the indemnity agreement between Kuhlman Electric Corporation (KEC) and BorgWarner Inc., BorgWarner has continued the assessment at the KEC plant and began the assessment of residential properties along a drainage channel downgradient of the plant. BorgWarner has also been actively remediating those properties adjacent to the KEC plant for which access was previously granted and sampling was complete.

BorgWarner, as it stated in its October 31, 2000 letter to the Mississippi Department of Environmental Quality (MDEQ), remains committed to working closely with MDEQ, USEPA, local government and KEC in a cooperative manner to accomplish the tasks necessary for the protection of human health and the environment, to the extent that the circumstances are covered by its contractual indemnity to KEC. BorgWarner will continue to seek MDEQ's guidance and direction in its current and future intended activities and to promptly share information.

ACTIONS TAKEN AND PLANNED

1. Delineation of Residential Properties along Jackson and Lee Avenues

BorgWarner promptly and voluntarily began sampling and delineation activities at the residential and commercial properties, adjoining the KEC plant that appeared to or reportedly have been affected by runoff or by the removal of soil from the KEC plant prior to October 6, 1999.

Under MDEQ's supervision, BorgWarner conducted delineation activities of these properties during the month of August, 2000. A total of eighteen (18) properties were investigated, which were:

1. Perry Smith, 219 North Jackson Street
2. Stringer Funeral Home, 301 North Jackson Street
3. Stringer Rental Property, 303 North Jackson Street
4. Harold and Suzanne Warren, 403 North Jackson Street
5. Elnor Wright, 401 North Jackson Street
6. Sonny Reeves, 405 North Jackson Street
7. Brent Property, 403 Lee Avenue
8. Louie Lang/David Vinson, 407 North Jackson Street
9. Jerry Youngblood, 100 Lamar St.
10. Medical Clinic, Lee Avenue
11. Edwards Property, 406 Lee Avenue
12. Garment Shop, 414 Lee Avenue
13. Frazier Property, 405 Lee Avenue
14. Duplex Property, 408/410 Lee Avenue
15. Kellum Property, 412 Lee Avenue
16. Dabney/Smith Property, 215 North Jackson
17. Cooper Property, 409 North Jackson
18. Larry and Carol Wright, 305 North Jackson

BorgWarner acted under the continuous guidance and direction of the MDEQ with respect to delineation activities at the residential and commercial properties adjoining the KEC plant. Split samples were analyzed and QA/QC procedures were implemented by two laboratories experienced with polychlorinated biphenyl analysis. Samples were frequently split with on-site MDEQ representatives for MDEQ's independent analysis, which to our knowledge consistently correlated with BorgWarner's on-site and off-site laboratory analytical results.

The delineation activities were conducted utilizing the " US EPA, Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual," May 1996 (EISOPQAM), sampling and analytical protocols. A copy of the work plan with procedures used in the field and applicable sections of the EISOPQAM are attached to this report for reference purposes.

Upon completing the delineation activities, BorgWarner compiled and submitted the analytical results on October 2, 2000 to MDEQ and US EPA, Region IV. Subsequently, BorgWarner began to schedule the remediation of residential and commercial properties adjacent to the KEC plant and along Jackson and Lee Avenues for which access was granted with the assistance of MDEQ and City of Crystal Springs Mayor Webb and where an attorney and/or an independent consultant were not involved in performing conflicting sampling activities.

2. Remediation of Residential Properties

On October 16, 2000 BorgWarner initiated remediation activities at the Medical Center and the Dabney/Smith properties, which are adjacent to the KEC plant. Remediation of the Newman Duplex, on Lee Avenue, began on November 30, 2000. Remediation of these properties involved excavation and disposal of all soil containing 1.0 part per million (ppm) or greater of PCBs in accordance with MDEQ's established clean-up criteria for residential properties. All soils containing greater than 1 ppm PCBs but less than 50 ppm PCBs were profiled and disposed of at the BFI's "Little Dixie" Subtitle D Landfill in Madison County, Mississippi after MDEQ and US EPA, Region IV approvals were obtained.

Following excavation, all excavated areas were sampled to confirm that impacted soil had been removed. In correspondence regarding disposal requirements, Craig Brown of US EPA, Region IV, stated that the excavated soils did not meet the definition of "PCB remediation waste." Under this definition, the remediation activities fell under the management criteria and guidelines set by MDEQ. As a result, the remediation and confirmation of clean-up standards established by MDEQ guidance were adopted and implemented in all of BorgWarner's residential remediation activities. A grid with ten-foot (10) sampling point centers was used to confirm that impacted soils had been removed at each site.

The remediation of the Dabney/Smith, the Medical Center and the Newman duplex property resulted in the removal of 1400 tons of soil, which was disposed of at the BFI "Little Dixie" Subtitle D Landfill and replaced with 1500 tons of certified clean soil. During the remediation activities, the on-site laboratory analyzed 324 soil samples in the month of November and the fixed-base laboratory analyzed 32 quality control samples.

Vegetation, such as live oak trees, was treated with specialty equipment for maximum protection and to minimize damage to the root systems. Soil surrounding the live oak tree roots was removed using an "Air Shovel"™, a unique technology adopted specifically for this purpose. The Air Shovel™ uses a pressure spray to dislodge soil from around the roots while a vacuum system removes the soil and water by vacuuming into a tank. This method of soil removal has performed effectively with minimal damage to the tree's root system as was confirmed by the landscaping contractor and arborist. However, this process, regardless of its effectiveness, is very tedious and as a result only the tree on the Dabney/Smith property was completed during the second half of November. One other live oak tree, located on the Medical Center property, remains to be treated in a similar fashion and is scheduled for January 2001.

Landscaping and replacement of structures (sheds, car ports, etc.) on both the Medical Center and the Dabney/Smith properties are continuing and will most likely be completed by the end of December 2000. Both properties have been surveyed and the fence between the Dabney/Smith and Medical Center properties is currently being re-installed. Landscaping has been completed on the Newman duplex property.

Third party independent sampling activities commissioned by the Nutt & Associates Law Firm have interfered with planned remediation activities along Lee Avenue, specifically at the Frazier's, Edward's, and Kellum's properties. The Garment Shop is a more complicated matter for two reasons. First, the impacted soil at the Garment Shop is located at the property line between it and the Kellum residence and second, the Kellum elm tree roots extend to the Garment Shop property itself. BorgWarner has filed a Freedom of Information Act request to MDEQ in an effort to obtain a copy of the recently submitted report generated by these independent parties.

BorgWarner, after its evaluation of the sampling results and data contained within the third party report, will begin discussions with the attorney(s) representing each resident (mentioned above) along Lee Avenue in an attempt to resolve the matter, including confirmation that all sampling results have been disclosed, and whether further sampling is necessary, and confirm access to then remediate those properties. BorgWarner also plans to keep MDEQ appraised of any developments and any progress or if no progress is being made with the attorney(s) involved.

BorgWarner will schedule delineation activities for the Gas Station, which is at the corner of Lee Avenue next to the Garment Shop, Mayor Webb's residence and the drainage pathway to the south. BorgWarner will inform MDEQ of the timing for those activities.

3. Drainage Channel Properties

Beginning on October 30th through the end of November, BorgWarner collected and analyzed soil samples from nine properties situated along the drainage channel leading from the north side of KEC's plant site to Lake Chautauqua. The properties were:

1. Sojourner Property, 111 McPherson Street
2. Weathersby Property, 101 Forest Street
3. Robert Williams Property (Lonnie Williams' residence), 103 Forest Street
4. Flossie McMurray Property (Ralph Williams residence), 104 Forest Street
5. Ralph Williams Rental Property, 107 Forest Street
6. Richard Williams Property, 102 Forest Street
7. Roberta Fitzgerald Estate Property, (R.P Edwards point of contact) 108 Tucker Street Property currently is being rented to the Kendrick family.
8. Welch Property, 501 Camp Street
9. Orister Harris Property, 311 West Railroad Avenue

A total of 650 soil samples was collected from these properties and analyzed by the on-site laboratory. The fixed-base laboratory analyzed an additional 65 samples for confirmation and quality control purposes. These preliminary assessment activities were conducted in the same manner as the Kuhlman plant preliminary site assessment and the KEC plant adjacent residential properties; and utilizing the "EPA, Region IV Environmental Investigations Standard Operating

Procedures and Quality Assurance Manual", May 1996 (EISOPQAM), sampling and analytical protocols.

Preliminary results available at this time indicate that six of the nine properties that were sampled will require certain remediation. Four properties, including the Sojourner, Williams' rental, Harris and Welch properties, will require remediation under the MDEQ guidelines since the highest concentrations detected are less than 50 ppm. Two properties, including the M^{c}Murray and R. P. Edwards properties, have soil with PCB concentrations greater than 50 ppm and therefore will require remediation under the TSCA rules. The following is a list of properties where concentrations greater than 1.0 ppm PCB were detected as well as the highest detected concentration on each property:

Property	Highest Detected Concentration
Sojourner	2.6 ppm
Williams rental	30.0 ppm
Harris	1.2 ppm
Welch	8.4 ppm
M^{c}Murray	70.0 ppm
R. P. Edwards	51.0 ppm

Data from this sampling event are being evaluated and once quality control measures are completed the data will be tabulated. Site-specific reports containing collected data, maps of sampling locations, and work plans for remediation, if required, for each individual site are also being prepared and will be submitted to MDEQ and US EPA, Region IV by January 12, 2001.

It is anticipated that additional sampling will be required along the drainage channel. Several undeveloped properties, either abutting the drainage channel or through which the drainage channel runs, will be sampled to delineate the extent of possibly impacted soil and determine the potential for future runoff to Lake Chautauqua. The Department will be kept appraised as to the timing for this additional investigation and sampling activity.

4. KEC Plant

After an initial phase of sampling in the areas identified by KEC's construction activities and the related equipment decontamination zone, BorgWarner conducted further, substantial sampling activities in the south and north parking lot areas as well as the former above ground storage tank area. These delineation activities, other than any possible data gaps, have been completed. The results are currently being tabulated and compared for correlation purposes between the on-site and off-site laboratories, prior to being issued to MDEQ. Should any data gaps exist, BorgWarner will conduct further sampling activities.

This additional data will be incorporated as an addendum to the *Preliminary Site Assessment Report,* submitted to MDEQ in July 2000. Comments to the *Preliminary Site Assessment Report* made by MDEQ will also be addressed and included in the addendum submittal. It is anticipated that the addendum report will be submitted to MDEQ by February 12, 2001.

5. Lake Chautauqua

BorgWarner intends to consider delineation of the sediments at Lake Chautauqua, ecological assessment, and surface water sampling, to the extent appropriate after receipt of the pending "Task Force" report. These activities will not begin on any great scale until the Task Force report is evaluated.

6. Groundwater Delineation

BorgWarner intends to delineate the nature and extent of any groundwater contamination relative to the KEC plant. Groundwater delineation will take place at the time that remediation at the KEC plant commences. It is critical that the protective cover at the KEC plant site is not disturbed for the time being and that the groundwater investigation is addressed when BorgWarner is actively remediating on the KEC plant property. This approach will ensure that sediments from the KEC Plant do not travel to the drainage channel and Lake Chautauqua.

BorgWarner remains dedicated to continuing its open communication with MDEQ and US EPA, Region IV and looks forward to the meeting with MDEQ and City of Crystal Springs Mayor Webb and other Crystal Springs representatives on January 17, 2001 (at 8:30 a.m.) to further discuss any of the above and share its plans for future activities.

Should you have any questions or comments, please contact me directly at (810) 497-4503 at your earliest convenience.

Very truly yours,

Anastasia Hamel

Anastasia Hamel
Director, Environmental Programs
BorgWarner Inc.

Attachments:

1. Work Plan – Preliminary Assessment and Remediation
2. Craig Brown, US EPA, Region IV letter to BFI

cc: J. Banks, MDEQ
T. Russell, MDEQ
K. Dowell, Esq., MDEQ
C. Brown, US EPA Region IV
H. Webb, Mayor Crystal Springs
Laurene H. Horiszny, Esq.
Robert Martin, MSGA
Thomas D. Lupo, Esq.
Scott E. Schang, Esq.
Mickey Crockett, KEC
Al Thomas, KEC

WORKPLAN FOR THE PRELIMINARY ASSESSMENT AND REMEDIATION OF PCB CONTAMINATION IN SOIL KUHLMAN ELECTRIC CORPORATION FACILITY AND RESIDENTIAL COMMERCIAL PROPERTIES IN CRYSTAL SPRINGS, MISSISSIPPI

As established by the Mississippi Department of Environmental Quality (MDEQ) guidelines in connection with this project, all work related to the preliminary assessment of the extent of contamination at the Kuhlman Electric Corporation (KEC) facility and work related to the preliminary assessment and confirmation of remedial actions at KEC adjacent residential/commercial properties and residential properties along the drainage channel (leading from the north side of KEC's facility to Lake Chautauqua) has been performed in accordance with the *Environmental Protection Agency (EPA), Region IV "Environmental Investigations, Standard Operating Procedures and Quality Assurance Manual", May 1996 (EISOPQAM).*

Copies of relevant and applicable portions of the EISOPQAM are maintained on site during all field activities and all field personnel are trained in its implementation. Remedial action confirmation sampling grids were established using *MDEQ Guidance Document, Verification of Soil Remediation, Environmental Response Division, Waste Management Division, April 1994, Revision 1.* Specifically, sampling grids were based on Part 2-Medium and Large Site Soil Cleanup Verification, "Establishing Grid Interval."

Field operations were performed under the site-specific Health and Safety Plan guidelines. Modified Level "D" Personal Protective Equipment (PPE) was utilized by all personnel working within the investigative area.

Sampling Objectives

The soil-sampling objective is to establish the vertical and horizontal extent of contamination resulting from historical facility operations. In the KEC facility case, the soil-sampling objective included historical use of polychlorinated biphenyl (PCB). All sampling procedures were conducted in accordance with the US EPA, Region IV EISOPQAM. Sampling procedures included the collection of soil samples on a twenty foot triangular grid, where possible, at discreet depth intervals. Surface and subsurface soil samples were collected using GeoProbe® MacroProbe™ direct push sampling equipment. The GeoProbe® system uses a hydraulically driven hammer to advance a hollow, split-barrel sampler to the desired depth. The sampler contains an acetate liner in which a sample of the cored soil is retained. The MacroProbe™ corer retains a 1.25-inch diameter continuous 4 feet in length core sample. Once sampling is completed, the direct-push boring holes are backfilled with bentonite chips in unpaved areas, and with grout in parking lots and other paved areas.

Throughout the delineation activities each direct-push boring was sampled at 0.5-3.0 feet below ground surface (bgs) and at 3.0-6.0 feet bgs. Selected borings were completed to depths varying from 8-12 feet bgs and sampled in these deeper intervals to evaluate the vertical distribution of contaminants.

Additional sampling of dust, stream and drainage ditch sediments, surface water and ground water were collected, as warranted, in accordance with applicable EISOPQAM guidelines.

Analytical Methods

Samples that were collected were analyzed for PCBs by the on-site mobile laboratory, Environmental Chemistry Consulting Services (ECCS) of Madison, Wisconsin. Initially soil samples were also analyzed for chlorinated benzenes until data confirmed that chlorinated benzene contamination is not at issue in samples with low concentrations of PCBs (generally <20 ppm). At least 10% of all samples were split and sent to a fixed-base laboratory, Paradigm Analytical Laboratories, Inc. (PAL) of Wilmington, North Carolina for analysis of the same parameters as for the on-site mobile laboratory to corroborate the results of laboratory analyses for quality control and quality assurance measures. Both the on-site and fixed-base laboratories used the same standard EPA approved analytical methods. PCBs were analyzed by Modified Environmental Protection Agency (EPA) Method 8080/81 and chlorinated benzene compounds were analyzed by EPA Method 8270. Volatile organic compounds (VOCs) were analyzed by EPA Method 8260 for samples suspected of being impacted by other industrial processes solvents unrelated to PCBs. Select soil samples were also analyzed for silver, by EPA Method 6010B, and cyanide, by EPA Method 9012A.

Surface water samples were analyzed by PAL for PCBs using EPA Method 8080/81. Semivolatile organic compounds (SVOCs) were analyzed by EPA Method 8270, Volatile Organic Compounds (VOCs) were analyzed by EPA Method 8260, silver by EPA Method 6010B, and cyanide using Standard Method 4500 Cn-E. Perched ground water was analyzed for PCBs, SVOCs, and VOCs by the same methods as indicated above for surface water.

Quality Control

The following is the list of key personnel dedicated to this project:

Project Manager:	Mr. Robert Martin, Martin & Slagle GeoEnvironmental Associates, LLC
Duties:	Responsible for management of project including all field coordination efforts.
Field Sample Custodian:	Mr. Robert Martin, Christine Slagle, Martin & Slagle GeoEnvironmental Associates, LLC
Duties:	Maintaining custody of samples, completing sample labels, Chain-of-Custody record.
Field Team Leader:	Mr. Robert Martin, Martin & Slagle GeoEnvironmental Associates, LLC
Duties:	Responsible for all activities related to the collection of samples.
Samplers:	Tim Fitzpatrick, Christine Slagle, Robert Martin
Duties:	Individuals responsible for the actual collection of samples.
Laboratory Sample Custodian:	Mr. Michael Linskens, ECCS Mr. Nicolas Schertz, ECCS Ms. Erin Staagard, PAL
Duties:	Individuals responsible for accepting custody of samples from the field sample custodian.

Quality Assurance Objectives for Data

Data for this project is being generated by two separate entities. The on-site data is generated by ECCS in their mobile laboratory. The fixed-base laboratory, PAL in Wilmington, North Carolina, generates the analytical results for the split samples.

The data quality objectives are pre-defined for the ECCS data in that Mississippi considers all mobile lab data screening level data. ECCS uses the same equipment and methodology as the fixed-base laboratories with the exception of the mini-extraction modification. Mobile laboratory data is validated by comparison of a minimum of 10% split samples with PAL. Following this procedure, the data qualifies as screening data with definitive confirmation under US EPA, Region IV EISOPQAM guidelines.

All samples sent to PAL were collected as follows: The sample was transferred from the GeoProbe® clean, unused, acetate sample liner into the labeled 4 ounce (oz) amber glass soil jar. The sample jar was then transferred to the mobile lab where ECCS personnel homogenized the sample prior to taking an aliquot for analysis. Due to the limited sample volume required by the ECCS mini-extraction and the low volatility of the chemicals of concern, the initial sampling jar was resealed (after ECCS personnel removed the amount of sample needed for their analysis), refrigerated and then sent to PAL; meaning PAL analyzed the sample from the exact same sample jar as ECCS.

Equipment rinsate samples were collected for evaluation of cross-contamination potential from ineffective decontamination procedures. These were prepared by pouring distilled water over the sampling equipment after decontamination and collecting and preserving the rinsate that was generated. Equipment rinseate samples were collected in accordance with the EPA, Region IV EISOPQAM guidelines.

Field blank samples were collected by filling sampling containers that were kept in the transition zone with distilled water. Field blanks determine the presence of ambient contaminants that may not be directly related to concentrations of contaminants in the sample media.

Blind duplicate soil samples were collected for analysis and sent to both laboratories. Blind duplicates were collected by homogenizing an aliquot of sample in a disposable plastic container and splitting the homogenized sample into two containers. After ECCS took their aliquot of these samples, the remainder of the sample was sent to PAL for analysis.

SAMPLE CONTROL AND FIELD RECORDS

Sample Identification

All samples sent to PAL for analysis conform to the labeling requirements under section 3.2.1 of the EISOPQAM.

8.3.1 Chain of Custody Procedures

Samples were logged as they were collected from the geoprobe liners. Date, time and sample litholgy were recorded on each log. Samples were then transferred to 4 oz amber glass jars and the jars transferred to a small sample cooler, which was taken to the mobile lab by field personnel in charge of sample handling. Sample identification (ID), date and time sampling occurred were recorded in the field logbook before transferring the samples to the mobile lab. Upon arrival at the mobile lab, the samples were transferred to the ECCS sample custodian who logged each sample on ECCS chain of custody forms. Each sample was assigned a unique ECCS internal ID number for tracking purposes. After analysis, the samples were transferred to either a sample refrigerator in the mobile lab or stored in coolers with ice until they were either shipped to PAL for confirmation analysis or readied for disposal. For samples sent to PAL, a new chain of custody form was completed by field personnel in charge of sample handling.

8.3.2 Field Records

Field records were kept in accordance with procedures and guidelines specified in section 3.5 of EISOPQAM.

8.4 Analytical Procedures

For analysis of samples in the field, ECCS used EPA Method 8082m, modified for quantitation of chlorinated benzenes and the mini extraction procedure.

PAL used EPA Method 8082 for quantitation of PCBs. For chlorinated benzenes, it used EPA Method 8270. While Method 8270 does not cover all the chlorinated benzenes, it provides confirmation of the ones it does detect and has the added benefit of supplying an analysis of a broad range of other semivolatile organic compounds.

For the analysis of cyanide EPA Method 9012A was employed and for silver EPA Method 6010B.

Selected samples were analyzed by EPA Method 8260, primarily to confirm that volatile organic compounds were not present in the samples or part of the site contaminants.

8.5 Laboratory Quality Assurance/Quality Control (QA/QC)

QA/QC procedures for both labs were found to be virtually identical. Summaries of each laboratory procedures follow.

ECCS:

- Continuous calibration standards analyzed every ten samples or less and at the end of a run.
- Blank samples and laboratory control samples (LCS) analyzed every twenty samples or less with a minimum of one per day.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples analyzed every twenty samples or less with a minimum of one per day.

PAL:

- Continuous calibration standards analyzed at least once every 12 hour shift plus a minimum of every 20 samples gas chromatography/mass spectroscopy (GC/MS) criteria follows method specific tuning requirements per EPA Method 8270.
- Blank and LCS samples analyzed every 20 samples or less with a minimum of one per day.
- MS/MSD samples analyzed every 20 samples or less with a minimum of one per day.

8.6 Data Validation and Reporting

As discussed in section 8.2, the primary validation of the ECCS data was accomplished through comparison with the data from PAL.

Since Hexachlorobenzene and 1,2,4-Trichlorobenzene are the only chlorinated benzenes on the standard Method 8270 list, these two compounds and total PCBs were the parameters tracked for the data validation procedure.

Overall, the correlation to this point of the investigation and remediation activities has been excellent with the majority of sample splits showing Relative Percent Differences (RPDs) of less than 100. Considering the inherent variability of soil as a matrix, achieving 93% acceptable split data spanning several orders of magnitude of concentration serves to justify the use of the on-site data as definitive quality.

Tel: (601) 892-4661

Fax: (601) 892-6406

KUHLMAN ELECTRIC CORPORATION

Instrument Transformers

Power Transformers

101 Kuhlman Drive, Crystal Springs, Mississippi 39059

October 16, 2000

Ms. Kathy Daniel
Browning-Ferris Industries of MS, Inc.
P. O. Box 4736
Greenville, MS 38704-4736

RE: Kuhlman Electric
Waste Profiles for PCB Contaminated Soil

Dear Ms. Daniel:

Per your request, this letter details the source of the soil and the respective tonnage of waste associated with each site.

The contaminated soil that is destined for disposal is the result of remediation activities at various residences and commercial properties surrounding the Kuhlman Electric Corporation facility in Crystal Springs, Mississippi. The source of the PCB contamination is believed to be transformer oil used in the production of electrical transformers at the facility from the mid 1950s to 1973. As shown in the laboratory reports, there are no other contaminants associated with the soil.

The locations are as follows:

Medical Clinic – Lee Avenue	774 tons
Edwards Property – 406 Lee Avenue	446 tons
Garment Shop – 414 Lee Avenue	42 tons
Frazier Property – Lee Avenue	333 tons
Duplex –408/410 Lee Avenue	63 tons
Kellum Property – 412 Lee Avenue	228 tons
Dabney/Smith Property – N. Jackson & Lee Avenue	298 tons

Excavation is currently scheduled to begin during the week of October 16, 2000.

If you have any question or comments, please do not hesitate to call Robert **Martin at (828) 669 – 3929.**

Sincerely,
Kuhlman Electric Corporation

Alan Thomas
Manager Maintenance / Facility Engineer

Martin & Slagle
GeoEnvironmental Associates LLC

October 2, 2000

Ms. Gretchen Zmitrovich
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

SUBJECT: Transmittal of Analytical Data for Residences
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

Attached are site plans and spreadsheets showing sampling locations and analytical results from sampling of soils by Ogden Environmental and Energy Services. The soil samples were collected from residential properties surrounding Kuhlman Electric Corporation. Samples were collected from various depths ranging from ground surface to 4 feet below grade and analyzed by an on-site laboratory. Split samples were sent to Paradigm Analytical Laboratories for confirmation of on-site lab results.

The following properties have concentrations of PCB 1260 in excess of 1 mg/kg.

1. Medical Clinic on Lee Avenue
2. Edwards Property at 406 Lee Avenue
3. Garment Shop at 414 Lee Avenue
4. Frazier Property on Lee Avenue
5. Duplex Property at 408/410 Lee Avenue
6. Kellum Property at 412 Lee Avenue
7. Dabney/Smith Property on N. Jackson and Lee Avenue

PO Box 1023
Black Mountain, NC 28711

(828) 669-3929
(828) 669-5289 fax

8. Cooper Property on N. Jackson and Fulgham Avenue

9. Larry and Carol Wright on N. Jackson Avenue

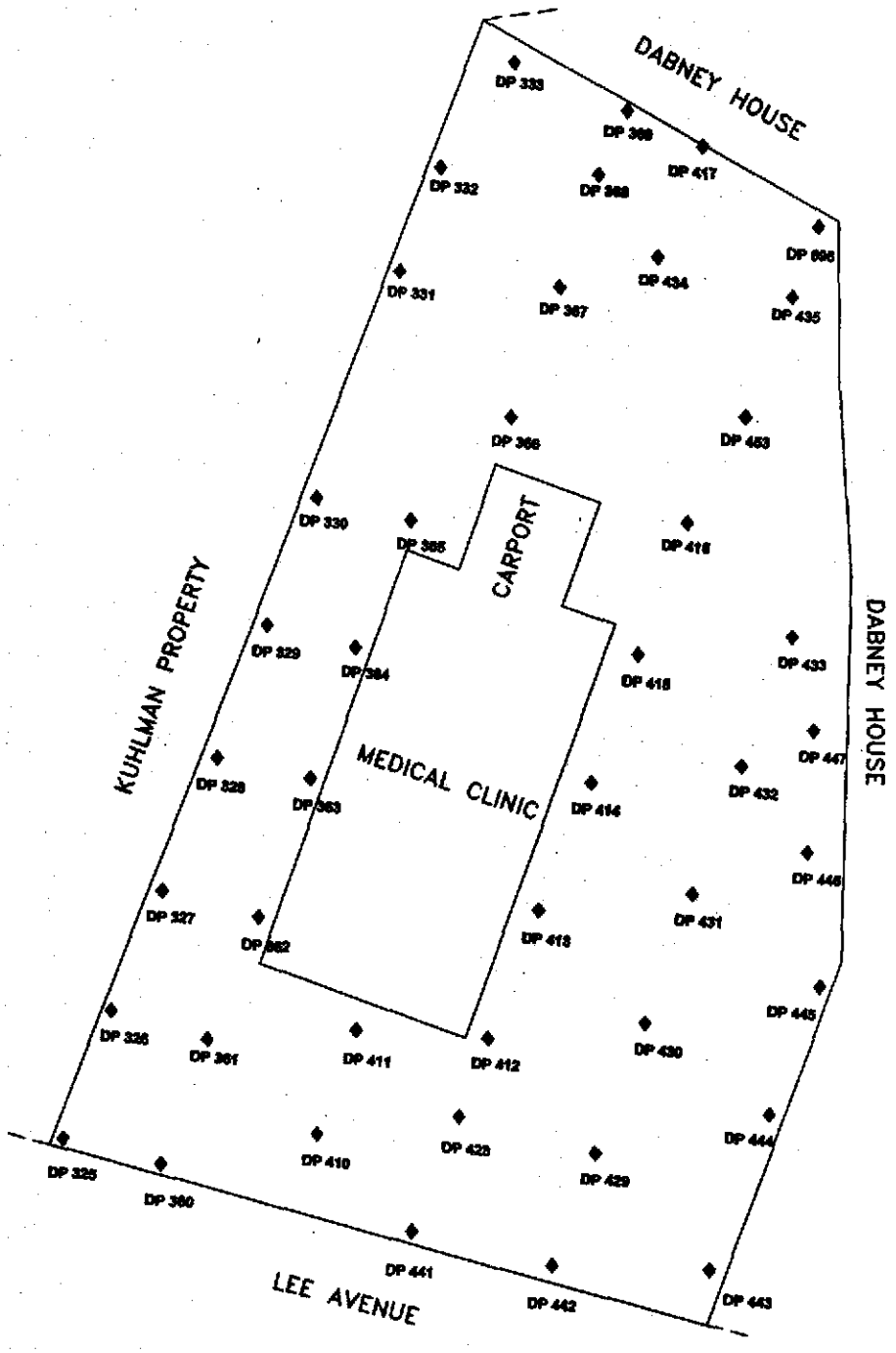
Please contact me at 828-669-3929 if you have any questions or comments concerning these results.

Sincerely,

Martin and Slagle GeoEnvironmental Associates, LLC

Robert L. Martin, P.G.
Project Manager

Cc: Anastasia Hamel, BorgWarner Inc.



LEGEND

◆ SAMPLE POINT

DP 362 SAMPLE POINT NUMBER

25 0 25 50

1) ALL DISTANCES ARE ESTIMATED
2) THIS MAP WAS PREPARED FROM RECORD MAPS
3) THIS MAP HAS BEEN PREPARED FOR PRESENTATION PURPOSES ONLY

SAMPLE LOCATIONS FOR LEE AVENUE MEDICAL CENTER 413 LEE AVENUE

SCALE: AS SHOWN	DR MDI	CHK TF	REV BPS

PREPARED BY:

OGDEN ENVIRONMENTAL AND ENGINEERING SERVICES
200 SOUTH OLD STATEVILLE ROAD • HUNTERSVILLE, NC 28078 • 704-875-3570

PROJ: 073350000	DATE: 09/24/00	SHEET 1 OF 1

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-325	DP-325	DP-326	DP-326	DP-327	DP-327	DP-328	DP-328	DP-328
	Depth	0.5	4	0.5	4	0.5	4	0.5	2	3
	Lab #	55	56	57	58	59	60	61	346	347
PCB as 1260		0.99	<0.10	0.43	<0.10	0.45	<0.10	4.0	<0.10	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00
	Collection Time	7:25	7:28	7:32	7:33	7:38	7:37	7:41	10:36	10:37
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00

WIPE SAMPLES (TOTAL UG)					
Target Analyte	Sample #	MCW-1	MCW-2	MCW-3	MCW-4
	Depth				
	Lab #	762	763	764	765
PCB as 1260		<0.50	<0.50	<0.50	<0.50
	Collection Date	8/30/00	8/30/00	8/30/00	8/30/00
	Collection Time	15:28	15:30	15:32	15:33
	Injection Date	8/31/00	8/31/00	8/31/00	8/31/00

LOCATIONS:
MCW1: Left of brass plate on front door.
MCW2: Top of Rheem air conditioning unit.
MCW3: Right of knob, westernmost rear door.
MCW4: Right of knob, easternmost rear door.

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-328	DP-329	DP-329	DP-330	DP-330	DP-331	DP-331	DP-332	DP-332
	Depth	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	62	63	64	65	66	67	68	69	70
PCB as 1260		<0.10	0.69	<0.10	0.34	<0.10	0.52	<0.10	3.4	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00
	Collection Time	7:43	7:59	8:02	8:04	8:06	8:16	8:19	8:23	8:25
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/18/00	8/18/00	8/18/00	8/18/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-332	DP-332	DP-333	DP-333	DP-333	DP-333	DP-360	DP-360	DP-361
	Depth	2	3	0.5	2	3	4	0.5	4	0.5
	Lab #	338	339	71	340	341	72	141	142	143
PCB as 1260		<0.10	<0.10	6.1	<0.10	<0.10	<0.10	<0.10	NA	0.22
	Collection Date	8/22/00	8/22/00	8/17/00	8/22/00	8/22/00	8/17/00	8/18/00	8/18/00	8/18/00
	Collection Time	10:16	10:17	8:45	10:14	10:15	8:47	12:54	12:55	12:57
	Injection Date	8/22/00	8/22/00	8/18/00	8/22/00	8/22/00	8/18/00	8/18/00	NA	8/18/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-361	DP-362	DP-362	DP-363	DP-363	DP-364	DP-364	DP-365	DP-365
	Depth	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	144	145	146	147	148	149	150	151	152
PCB as 1260		<0.10	0.47	<0.10	0.42	<0.10	0.34	<0.10	<0.10	NA
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00
	Collection Time	12:58	13:01	13:02	13:52	13:54	13:57	13:59	14:01	14:02
	Injection Date	8/19/00	8/18/00	8/19/00	8/18/00	8/19/00	8/19/00	8/19/00	8/19/00	NA

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-366	DP-366	DP-367	DP-367	DP-368	DP-368	DP-369	DP-369	DP-410
	Depth	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	153	154	155	156	157	158	159	160	241
PCB as 1260		<0.10	NA	<0.10	NA	<0.10	NA	0.45	<0.10	<0.10
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/19/00
	Collection Time	14:06	14:07	14:09	14:10	14:12	14:14	14:22	14:24	14:26
	Injection Date	8/19/00	NA	8/19/00	NA	8/19/00	NA	8/19/00	8/20/00	8/19/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-410	DP-411	DP-411	DP-412	DP-412	DP-413	DP-413	DP-414	DP-414
	Depth	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	242	243	244	245	246	247	248	249	250
PCB as 1260		NA	0.28	<0.10	0.78	<0.10	<0.10	NA	0.14	<0.10
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00
	Collection Time	14:27	14:31	14:33	14:35	14:37	14:41	14:43	15:20	15:22
	Injection Date	NA	8/19/00	8/20/00	8/19/00	8/20/00	8/19/00	NA	8/19/00	8/20/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-415	DP-415	DP-416	DP-416	DP-417	DP-417	DP-428	DP-428	DP-429
	Depth	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	251	252	253	254	255	256	277	278	279
PCB as 1260		0.12	<0.10	<0.10	NA	0.10	<0.10	0.44	<0.10	0.89
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/20/00	8/20/00	8/20/00
	Collection Time	15:27	15:29	15:30	15:31	15:33	15:35	9:05	9:07	9:15
	Injection Date	8/20/00	8/20/00	8/20/00	NA	8/20/00	8/20/00	8/20/00	20-Aug	8/20/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-429	DP-429	DP-429	DP-430	DP-430	DP-430	DP-430	DP-431	DP-431
	Depth	2	3	4	0.5	2	3	4	0.5	4
	Lab #	332	333	280	281	334	335	282	283	284
PCB as 1260		<0.10	<0.10	<0.10	1.6	<0.10	<0.10	<0.10	0.70	<0.10
	Collection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:10	9:11	9:16	9:17	9:12	9:13	9:18	9:20	9:21
	Injection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-432	DP-432	DP-432	DP-432	DP-433	DP-433	DP-434	DP-434	DP-435
	Depth	0.5	2	3	4	0.5	4	0.5	4	0.5
	Lab #	285	342	343	286	287	288	289	290	291
PCB as 1260		5.1	<0.10	<0.10	<0.10	<0.10	NA	<0.10	NA	0.74
	Collection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:51	10:12	10:13	9:52	9:48	9:49	9:48	9:49	9:51
	Injection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	NA	8/20/00	NA	8/20/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-435	DP-441	DP-441	DP-442	DP-442	DP-442	DP-442	DP-443	DP-443
	Depth	4	0.5	4	0.5	2	3	4	0.5	4
	Lab #	292	308	309	310	336	337	311	312	313
PCB as 1260		<0.10	0.70	<0.10	1.0	1.9	<0.10	<0.10	0.43	<0.10
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:52	14:34	14:35	14:46	9:07	9:08	14:47	15:06	15:07
	Injection Date	8/20/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00	8/22/00	8/20/00	8/22/00

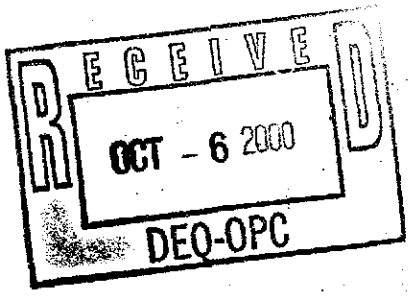
SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-444	DP-444	DP-445	DP-445	DP-446	DP-446	DP-447	DP-447	DP-453
	Depth	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	314	315	316	317	318	319	320	321	344
PCB as 1260		0.11	<0.10	0.28	<0.10	0.12	<0.10	0.69	<0.10	0.17
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00
	Collection Time	15:10	15:11	15:14	15:15	15:17	15:18	15:24	15:25	10:06
	Injection Date	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)							
Target Analyte	Sample #	DP-453	DP-326	DP-329	DP-698	DP-431	DP-441
	Depth	4	0.1	0.1	0.1	0.1	0.1
	Lab #	345	1107	1108	1103	1109	1110
PCB as 1260		<0.10	1.1	1.4	5.2	0.16	0.15
	Collection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00
	Collection Time	10:07	9:05	9:14	8:55	9:10	9:08
	Injection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00

Martin & Slagle
GeoEnvironmental Associates LLC

FILE COPY



October 5, 2000

Ms. Gretchen Zmitrovich
Office of Pollution Control
Mississippi Department of
Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

SUBJECT: Transmittal of Revised Analytical Data Tables for Residences
Kuhlman Electric Corporation
Crystal Springs, Mississippi

Dear Ms. Zmitrovich:

Attached is one complete set of revised spreadsheets showing analytical results from sampling of soils by Ogden Environmental and Energy Services. The tables were revised based on your review and comments. Results for split samples are being prepared into tables and will be forwarded to you by Monday at the latest.

Please contact me at 828-669-3929 if you have any questions or comments concerning these results.

Sincerely,

Martin and Slagle GeoEnvironmental Associates, LLC

Robert L. Martin, P.G.
Project Manager

Cc: Anastasia Hamel, BorgWarner Inc.

PO Box 1023
Black Mountain, NC 28711

(828) 669-3929
(828) 669-5289 fax

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-325	DP-325	DP-326	DP-326	DP-327	DP-327	DP-328	DP-328	DP-328
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	2	3
	Lab #	55	56	57	58	59	60	61	346	347
PCB as 1260		0.99	<0.10	0.43	<0.10	0.45	<0.10	4.0	<0.10	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00
	Collection Time	7:25	7:28	7:32	7:33	7:38	7:37	7:41	10:36	10:37
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/22/00	8/22/00

WIPE SAMPLES (TOTAL UG)					
Target Analyte	Sample #	MCW-1	MCW-2	MCW-3	MCW-4
	Depth (ft(				
	Lab #	762	763	764	765
PCB as 1260		<0.50	<0.50	<0.50	<0.50
	Collection Date	8/30/00	8/30/00	8/30/00	8/30/00
	Collection Time	15:28	15:30	15:32	15:33
	Injection Date	8/31/00	8/31/00	8/31/00	8/31/00

LOCATIONS:

MCW1: Left of brass plate on front door.
MCW2: Top of Rheem air conditioning unit.
MCW3: Right of knob, westernmost rear door.
MCW4: Right of knob, easternmost rear door.

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-328	DP-329	DP-329	DP-330	DP-330	DP-331	DP-331	DP-332	DP-332
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	62	63	64	65	66	67	68	69	70
PCB as 1260		<0.10	0.69	<0.10	0.34	<0.10	0.52	<0.10	3.4	<0.10
	Collection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00
	Collection Time	7:43	7:59	8:02	8:04	8:06	8:16	8:19	8:23	8:25
	Injection Date	8/17/00	8/17/00	8/17/00	8/17/00	8/17/00	8/18/00	8/18/00	8/18/00	8/18/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-332	DP-332	DP-333	DP-333	DP-333	DP-333	DP-360	DP-360	DP-361
	Depth (ft)	2	3	0.5	2	3	4	0.5	4	0.5
	Lab #	338	339	71	340	341	72	141	142	143
PCB as 1260		<0.10	<0.10	6.1	<0.10	<0.10	<0.10	<0.10	NA	0.22
	Collection Date	8/22/00	8/22/00	8/17/00	8/22/00	8/22/00	8/17/00	8/18/00	8/18/00	8/18/00
	Collection Time	10:16	10:17	8:45	10:14	10:15	8:47	12:54	12:55	12:57
	Injection Date	8/22/00	8/22/00	8/18/00	8/22/00	8/22/00	8/18/00	8/18/00	NA	8/18/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-361	DP-362	DP-362	DP-363	DP-363	DP-364	DP-364	DP-365	DP-365
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	144	145	146	147	148	149	150	151	152
PCB as 1260		<0.10	0.47	<0.10	0.42	<0.10	0.34	<0.10	<0.10	NA
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00
	Collection Time	12:58	13:01	13:02	13:52	13:54	13:57	13:59	14:01	14:02
	Injection Date	8/19/00	8/18/00	8/19/00	8/18/00	8/19/00	8/19/00	8/19/00	8/19/00	NA

Notes:

NA indicates sample not analyzed

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-366	DP-366	DP-367	DP-367	DP-368	DP-368	DP-369	DP-369	DP-410
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	153	154	155	156	157	158	159	160	241
PCB as 1260		<0.10	NA	<0.10	NA	<0.10	NA	0.45	<0.10	<0.10
	Collection Date	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/18/00	8/19/00
	Collection Time	14:06	14:07	14:09	14:10	14:12	14:14	14:22	14:24	14:26
	Injection Date	8/19/00	NA	8/19/00	NA	8/19/00	NA	8/19/00	8/20/00	8/19/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-410	DP-411	DP-411	DP-412	DP-412	DP-413	DP-413	DP-414	DP-414
	Depth (ft)	4	0.5	4	0.5	4	0.5	4	0.5	4
	Lab #	242	243	244	245	246	247	248	249	250
PCB as 1260		NA	0.28	<0.10	0.78	<0.10	<0.10	NA	0.14	<0.10
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00
	Collection Time	14:27	14:31	14:33	14:35	14:37	14:41	14:43	15:20	15:22
	Injection Date	NA	8/19/00	8/20/00	8/19/00	8/20/00	8/19/00	NA	8/19/00	8/20/00

Notes:

NA indicates sample not analyzed

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-415	DP-415	DP-416	DP-416	DP-417	DP-417	DP-428	DP-428	DP-429
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	251	252	253	254	255	256	277	278	279
PCB as 1260		0.12	<0.10	<0.10	NA	0.10	<0.10	0.44	<0.10	0.89
	Collection Date	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/19/00	8/20/00	8/20/00	8/20/00
	Collection Time	15:27	15:29	15:30	15:31	15:33	15:35	9:05	9:07	9:15
	Injection Date	8/20/00	8/20/00	8/20/00	NA	8/20/00	8/20/00	8/20/00	20-Aug	8/20/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-429	DP-429	DP-429	DP-430	DP-430	DP-430	DP-430	DP-431	DP-431
	Depth (ft)	2	3	4	0.5	2	3	4	0.5	4
	Lab #	332	333	280	281	334	335	282	283	284
PCB as 1260		<0.10	<0.10	<0.10	1.6	<0.10	<0.10	<0.10	0.70	<0.10
	Collection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:10	9:11	9:16	9:17	9:12	9:13	9:18	9:20	9:21
	Injection Date	8/22/00	8/22/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-432	DP-432	DP-432	DP-432	DP-433	DP-433	DP-434	DP-434	DP-435
	Depth (ft)	0.5	2	3	4	0.5	4	0.5	4	0.5
	Lab #	285	342	343	286	287	288	289	290	291
PCB as 1260		5.1	<0.10	<0.10	<0.10	<0.10	NA	<0.10	NA	0.74
	Collection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:51	10:12	10:13	9:52	9:48	9:49	9:48	9:49	9:51
	Injection Date	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	NA	8/20/00	NA	8/20/00

Notes:

NA indicates sample not analyzed

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-435	DP-441	DP-441	DP-442	DP-442	DP-442	DP-442	DP-443	DP-443
	Depth (ft)	4	0.5	4	0.5	2	3	4	0.5	4
	Lab #	292	308	309	310	336	337	311	312	313
PCB as 1260		<0.10	0.70	<0.10	1.0	1.9	<0.10	<0.10	0.43	<0.10
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00	8/22/00	8/20/00	8/20/00	8/20/00
	Collection Time	9:52	14:34	14:35	14:46	9:07	9:08	14:47	15:06	15:07
	Injection Date	8/20/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00	8/22/00	8/20/00	8/22/00

SOIL SAMPLES (MG/KG)										
Target Analyte	Sample #	DP-444	DP-444	DP-445	DP-445	DP-446	DP-446	DP-447	DP-447	DP-453
	Depth (ft)	0.5	4	0.5	4	0.5	4	0.5	4	0.5
	Lab #	314	315	316	317	318	319	320	321	344
PCB as 1260		0.11	<0.10	0.28	<0.10	0.12	<0.10	0.69	<0.10	0.17
	Collection Date	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/20/00	8/22/00
	Collection Time	15:10	15:11	15:14	15:15	15:17	15:18	15:24	15:25	10:06
	Injection Date	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/20/00	8/22/00	8/22/00

Soil and Wipe Sample Results
Lee Avenue Medical Center
413 Lee Avenue
Crystal Springs, Mississippi

SOIL SAMPLES (MG/KG)							
Target Analyte	Sample #	DP-453	DP-326	DP-329	DP-698	DP-431	DP-441
	Depth (ft)	4	0.1	0.1	0.1	0.1	0.1
	Lab #	345	1107	1108	1103	1109	1110
PCB as 1260		<0.10	1.1	1.4	5.2	0.16	0.15
	Collection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00
	Collection Time	10:07	9:05	9:14	8:55	9:10	9:08
	Injection Date	8/22/00	9/19/00	9/19/00	9/19/00	9/19/00	9/19/00

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OGDEN ENVIRONMENTAL AND ENGINEERING SERVICES

Mailing Address: PO Box 3142, Huntersville, NC 28070

200 South Old Statesville Road
Huntersville, NC 28078
(704) 875-3570
(704) 875-8718 Fax

FACSIMILE TRANSMITTAL

PLEASE DELIVER THE FOLLOWING PAGES TO:

Name: Gretchen Zmitrovich

Firm: MDEQ

CC:

Fax No.

Total number of pages including this cover page: 2

If all pages are not received, please notify the sender immediately.

Sender: T. Fitzpatrick **Date:** 9-20-00

( ) Originals to follow. ( ) This is the only copy you will receive.

Sample Tracking Form

Date: 19SEP00

Sample Description

Target Analyte	698 011 1103	698 015 1104	698 2 1105	698 A 1106	326 011 1107	324 011 1108	431 011 1109	441 011 1110	699 011 1111	699 015 1112	699 2 1113	699 4 1114	447 011 1115	339 011 1116	342 011 1117	423 011 1118	452 011 1119	DUP 09/19 1120	304 011 1121	305 011 1122	Blank #65	LCS #65	MS #1104	MSD #1104
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	96.4	140	135
1,2,4-TriCB																						94.8	136	132
1,2,3-TriCB																						95.6	135	130
1,2,3,5&1,2,4,5																						99.3	138	134
1,2,3,4-TeCB																						76.2	135	130
Penta-CB																						97.0	133	130
Hexa-CB																						96.8	131	128
PCB as 1260	5.2	1.5	<0.10	[illegible]	<0.10 11	1.4	0.16	0.15	0.21	0.19	<0.10	<0.10	1.1	0.49	1.72	5.0	2.1	0.20	0.31	0.60 *J	<0.10	97.8	2.9	2.7
Surrogate TCMX	135	115	106	128	138	136	130	138	123	135	102	100	133	123	130	131	128	128	130	129	109	97.8	132	131
DCBP	134	134	106	[illegible]	134	156	143	161	166	134	97.0	97.3	189	125	136	138	132	151	127	132	101	104	121	140
													confirmed 5(4) DB7 [illegible]			confirmed 74 [illegible] [illegible]				7.8 [illegible]				
[illegible]	19 20	19	19	~~19~~	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	19 1	19	~~20~~ 19	~~20~~ 19

J = Estimated
E = Exceeds calibration range

*J

Total Taken 20
Analyzed 19

DP 698 is resample of DP 436 @ medical clinic
DP 699 is resample of DP 436 @ Larry Wright's house

FILE COPY

19 pa[illegible] cover

TO:
Gretchen Zmitrovich
MDEQ

From:
Tim Fitzpatrick
Ogden Environmental

Gretchen: Following are my field maps - I hope you can read them! Data will follow shortly.

Please call after you receive this fax.

Thanks,

Tim

601 8926496

OGDEN

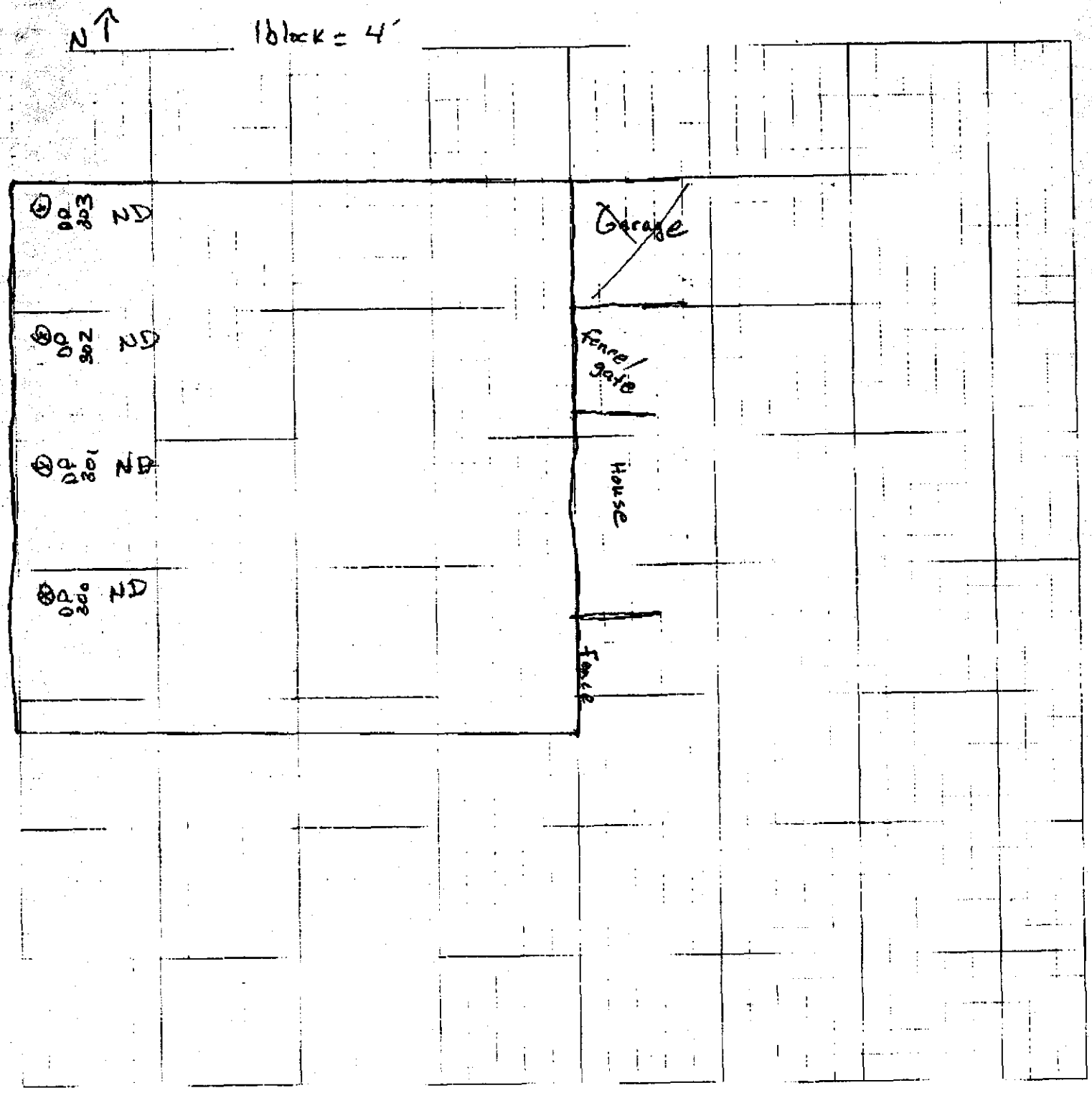
Job Name: Crystal Springs -

Job Number:

Title: Sonny Reeves backyard 405 Jackson

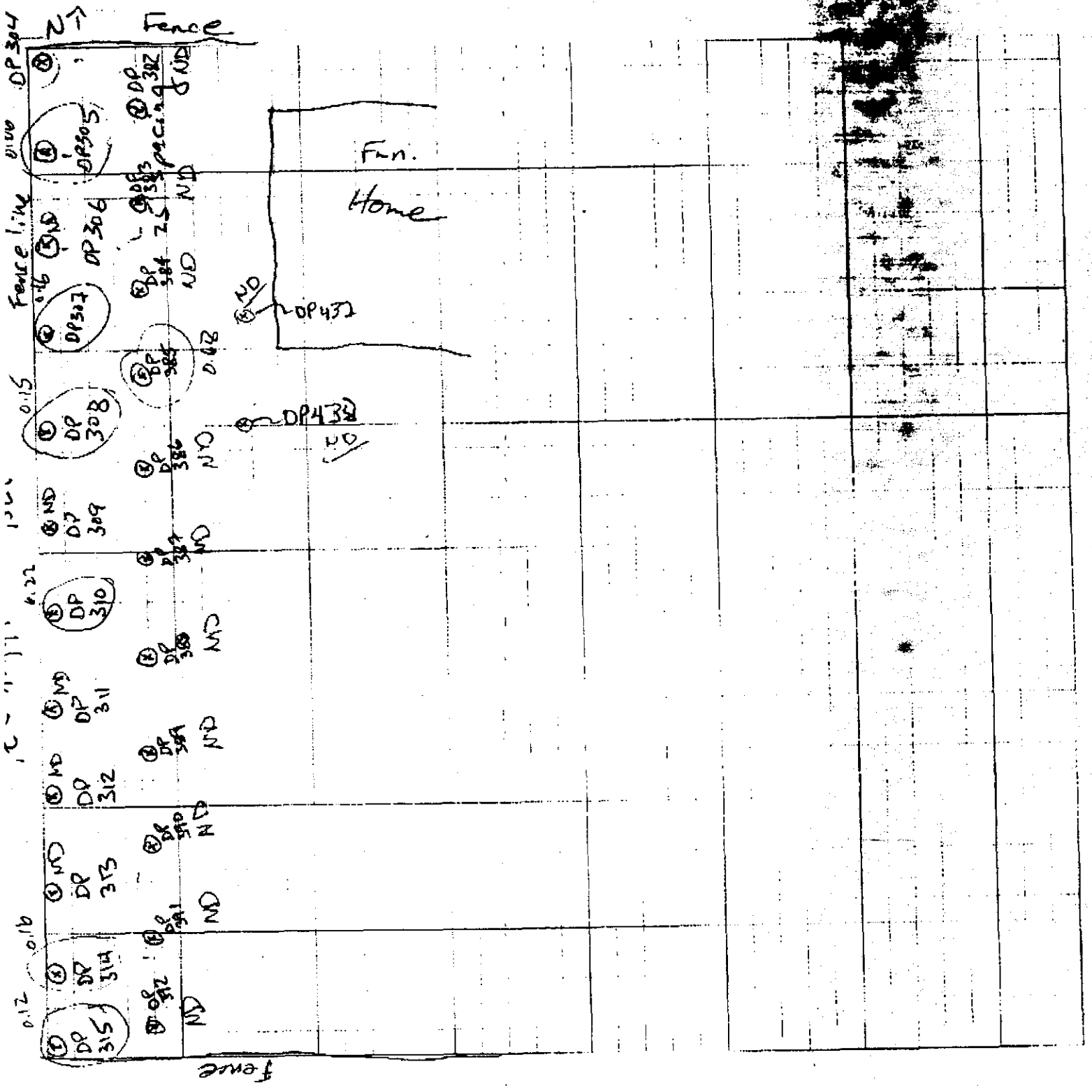
Computed by: Checked by:

Date: 8/16/2000 Sheet: 1 Of: 11



OGDEN

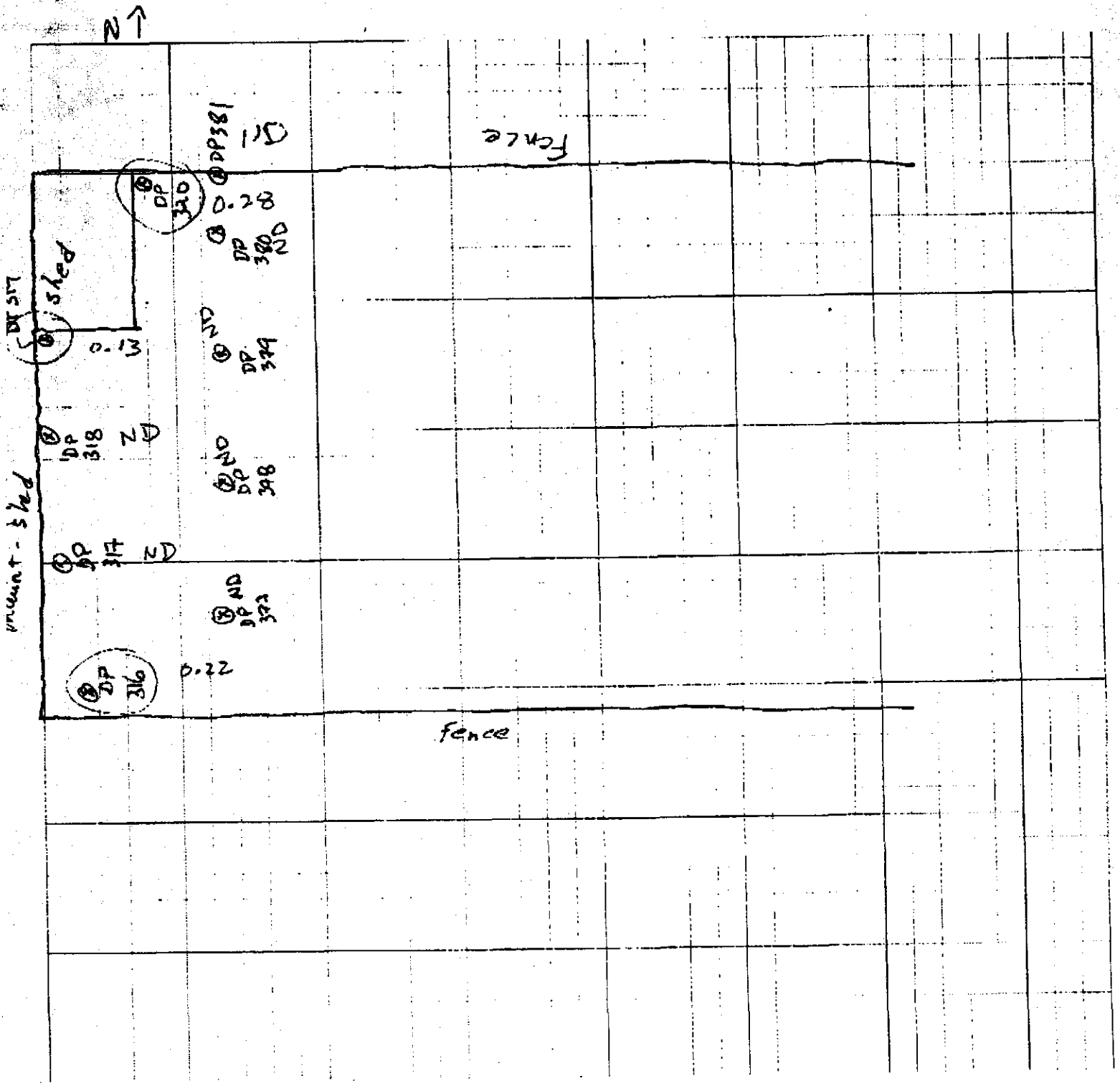
Job Name: Crystal Spri
Job Number:
Title: Stringer Funeral
Computed by: Che
Date: 8-16-2000 Sheet: 11



OGDEN

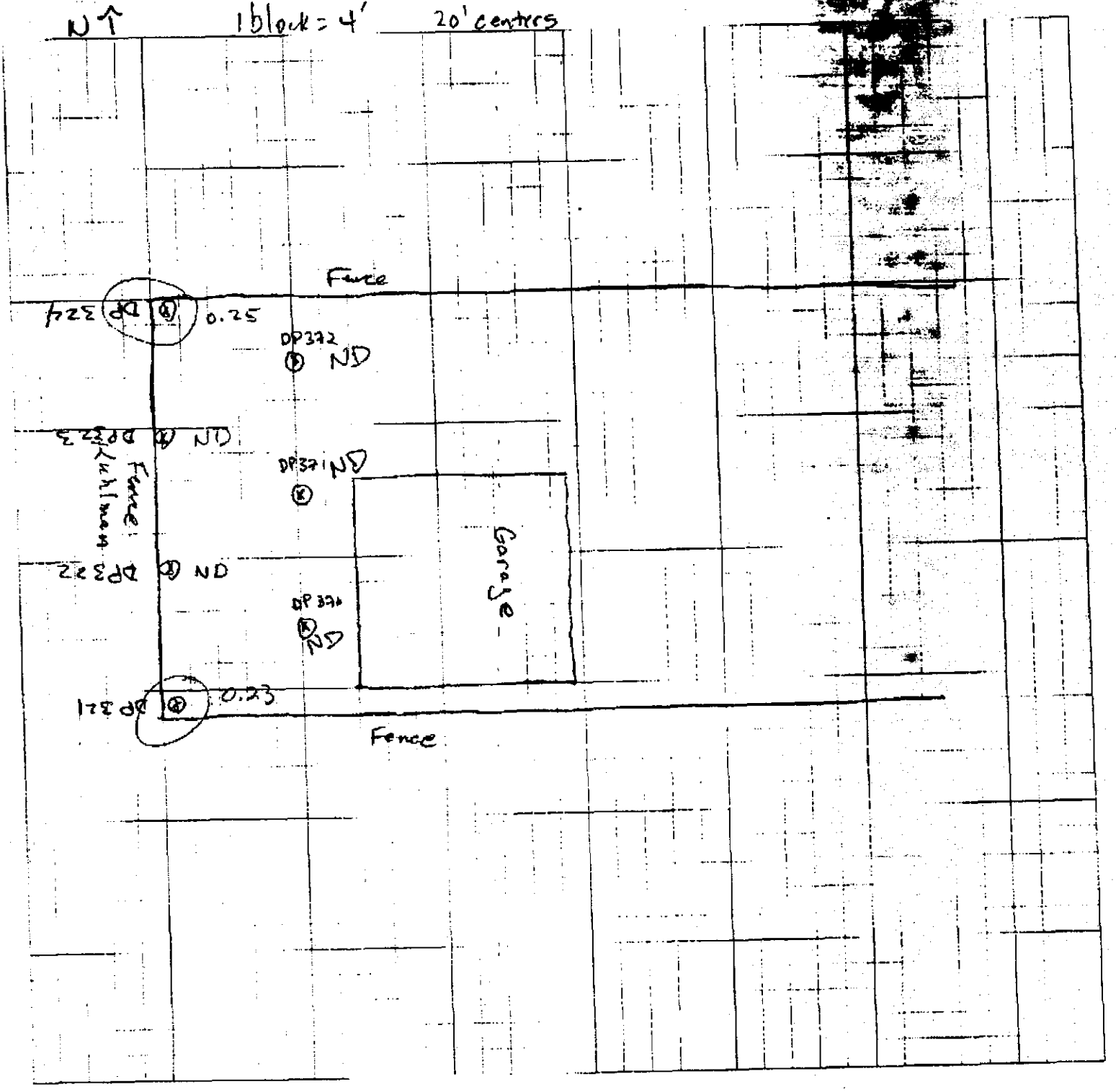
Job Name: Crystal Springs
Job Number:
Title: 401 N. Jackson Elnor Wright
Computed by: Checked by:
Date: 8-16-2000 Sheet: 3 Of: 11

1 block = 4'



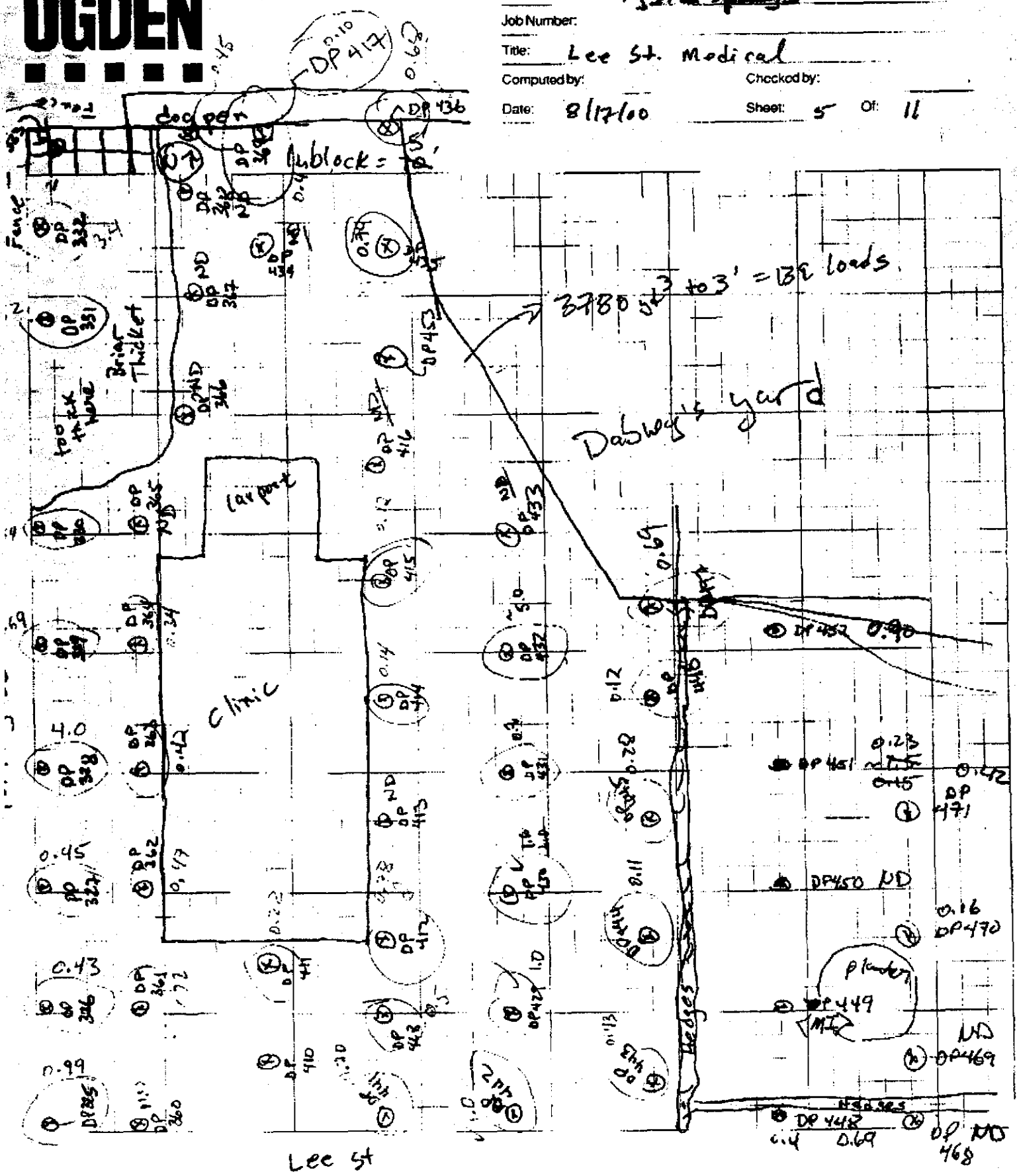
OGDEN

Job Name: Crystal Spring
Job Number:
Title: 407 N. Jackson
Computed by: Check
Date: 8-16-00 Sheet 11



OGDEN

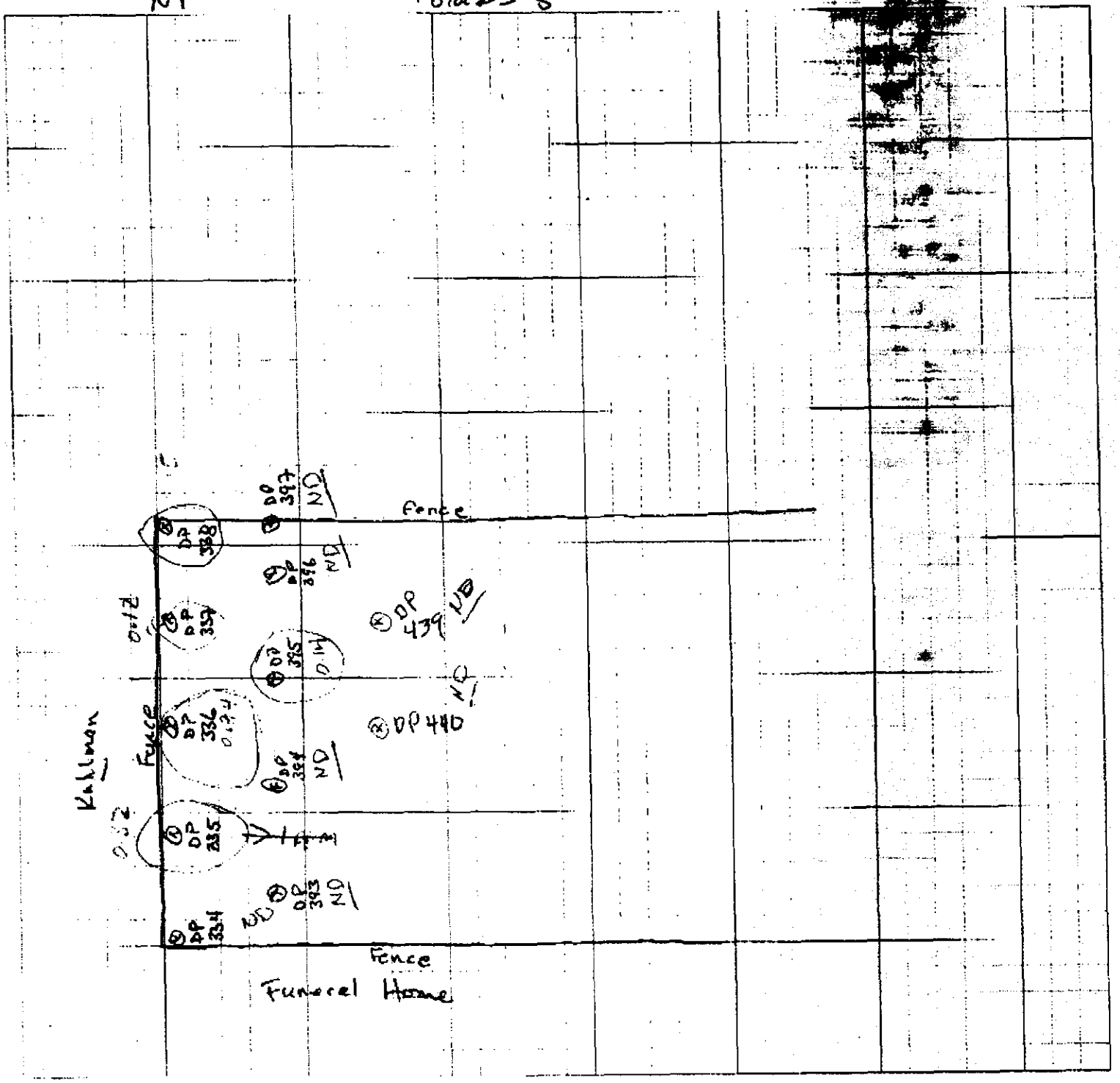
Job Name: Crystal Springs
Job Number:
Title: Lee St. Medical
Computed by: Checked by:
Date: 8/17/00 Sheet: 5 Of: 11



OGDEN

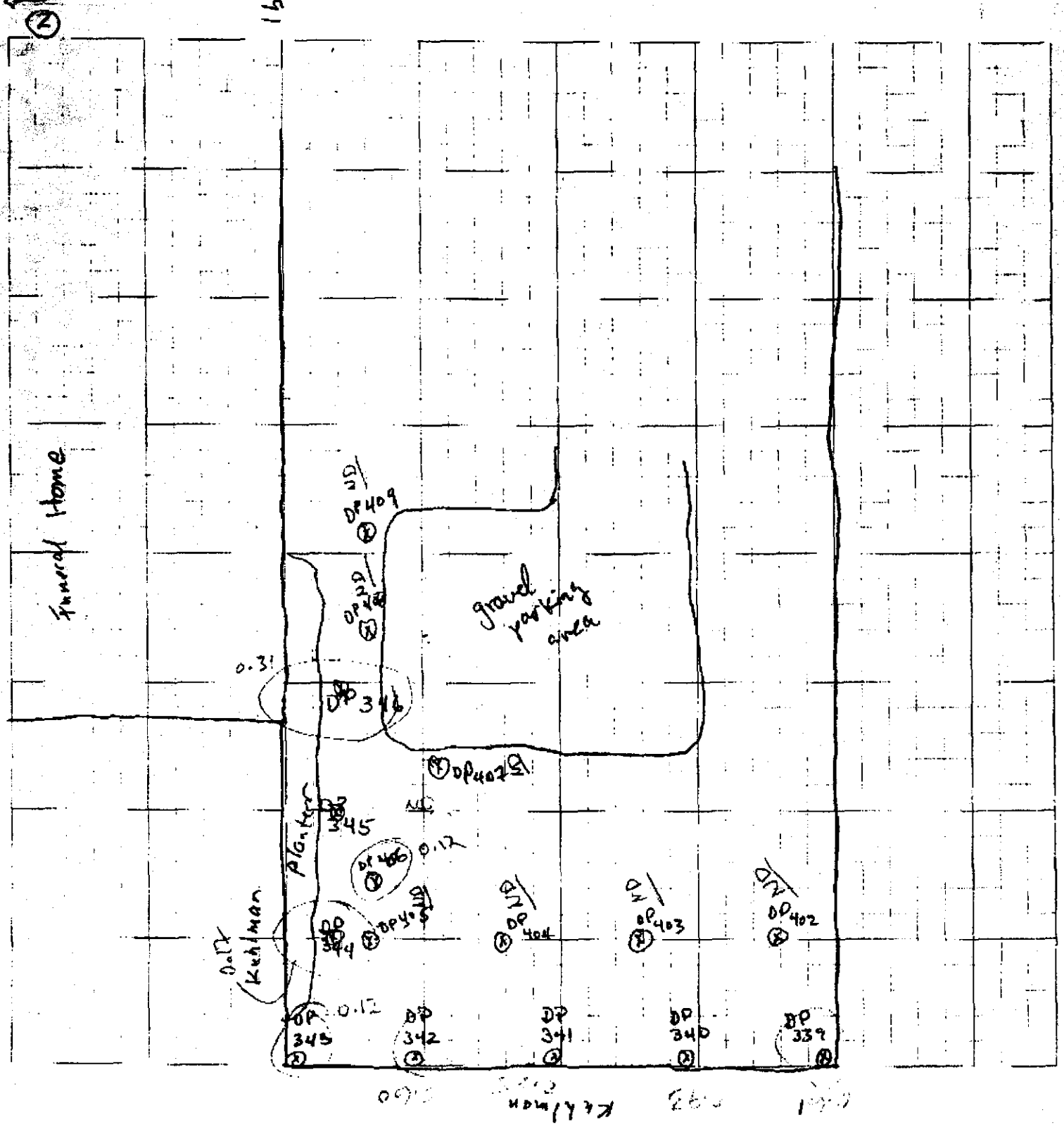
Job Name: Crystal Spring
Job Number:
Title: 303 N. Jackson
Computed by: Chec
Date: 8-17-00 Sheet 10 of 11

NT 1 block = 5'



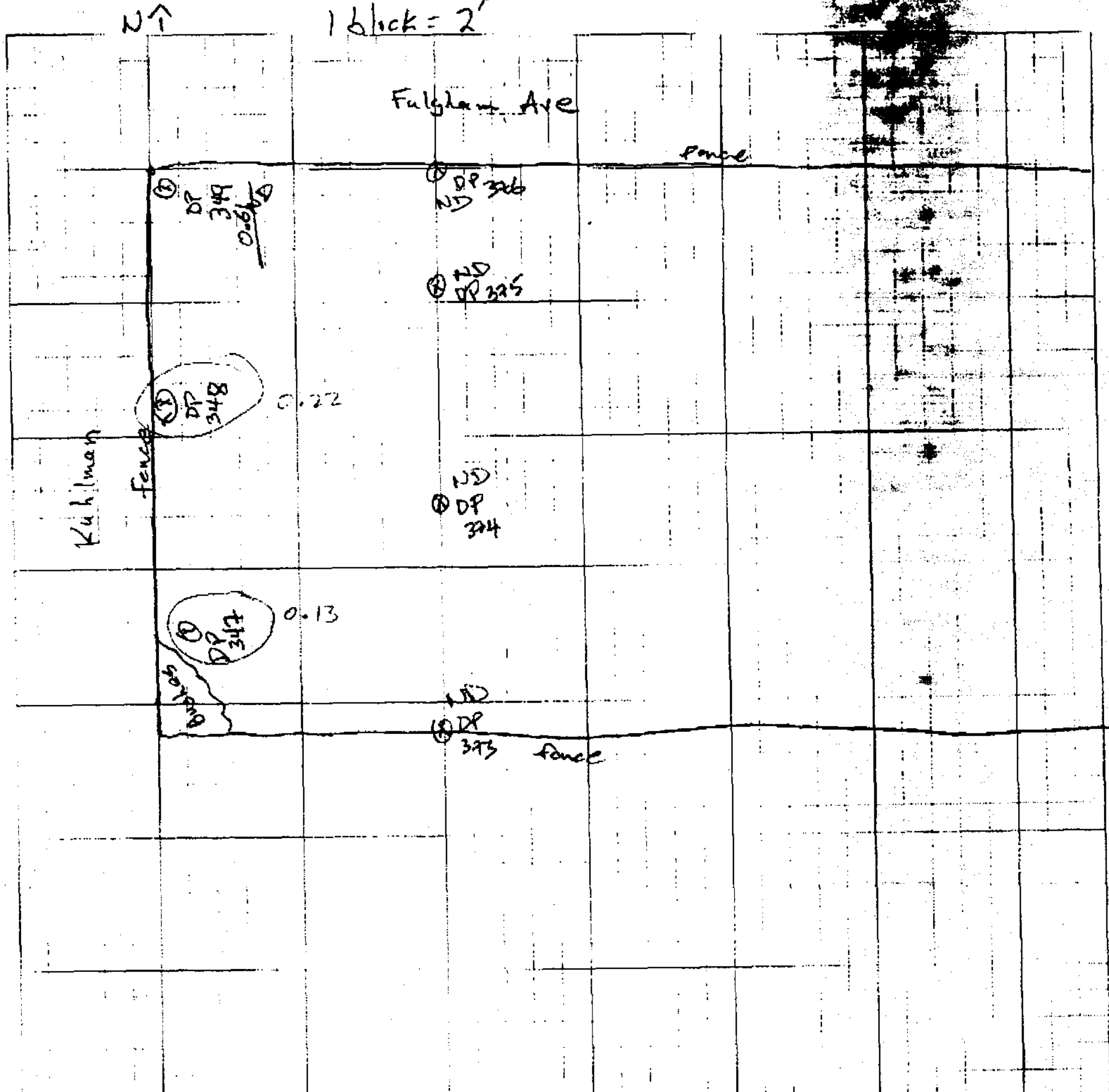
OGDEN

Job Name: Crystal Springs
Job Number:
Title: 219 N. Jackson - Perry Smith
Computed by: TJF Checked by:
Date: 8-17-00 Sheet: 7 Of: 11



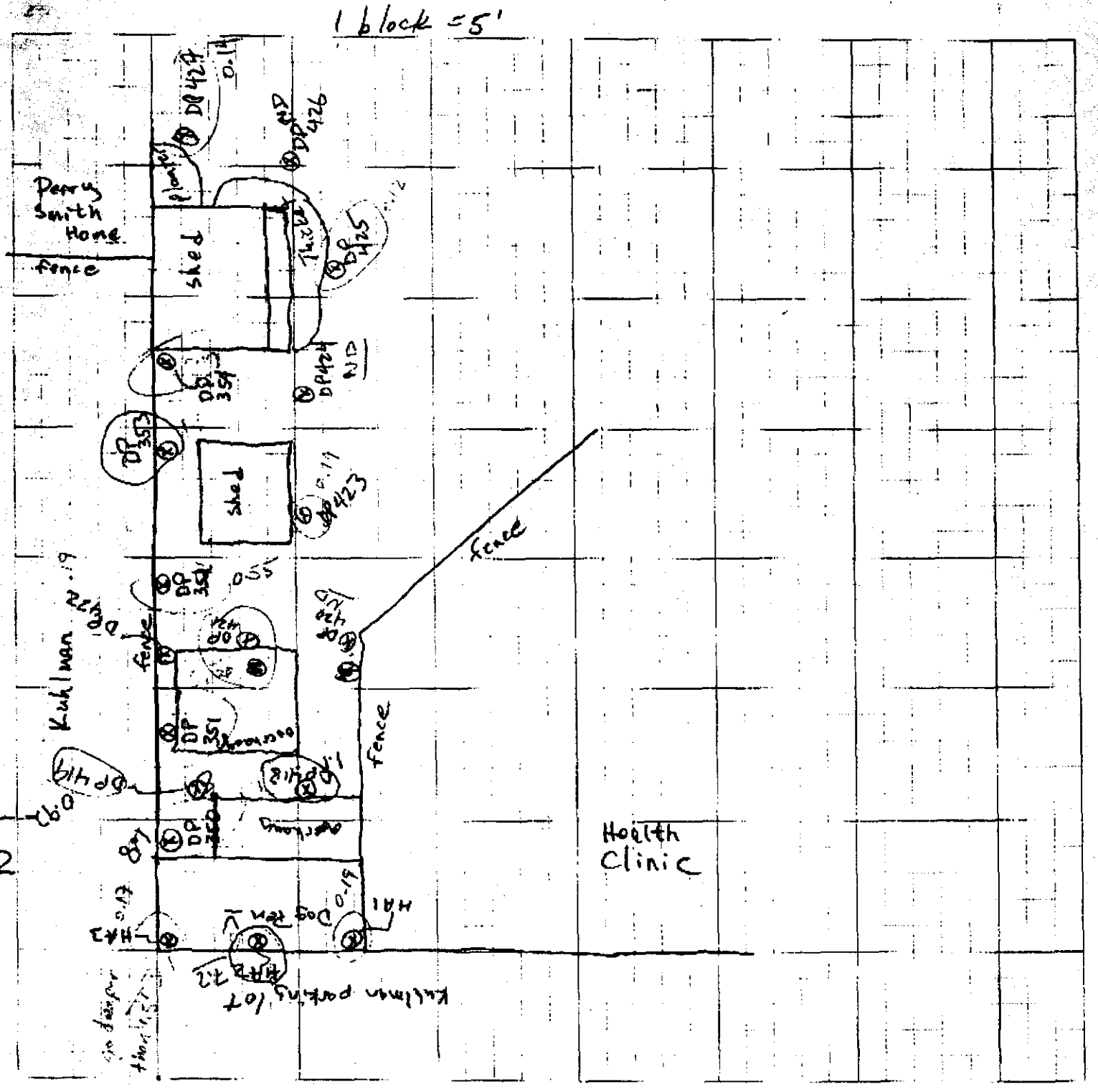
OGDEN

Job Name: Crystal Spri...
Job Number:
Title: 409 N. Jackson ...
Computed by: DF
Checked by:
Date: 8-17-00
Sheet:



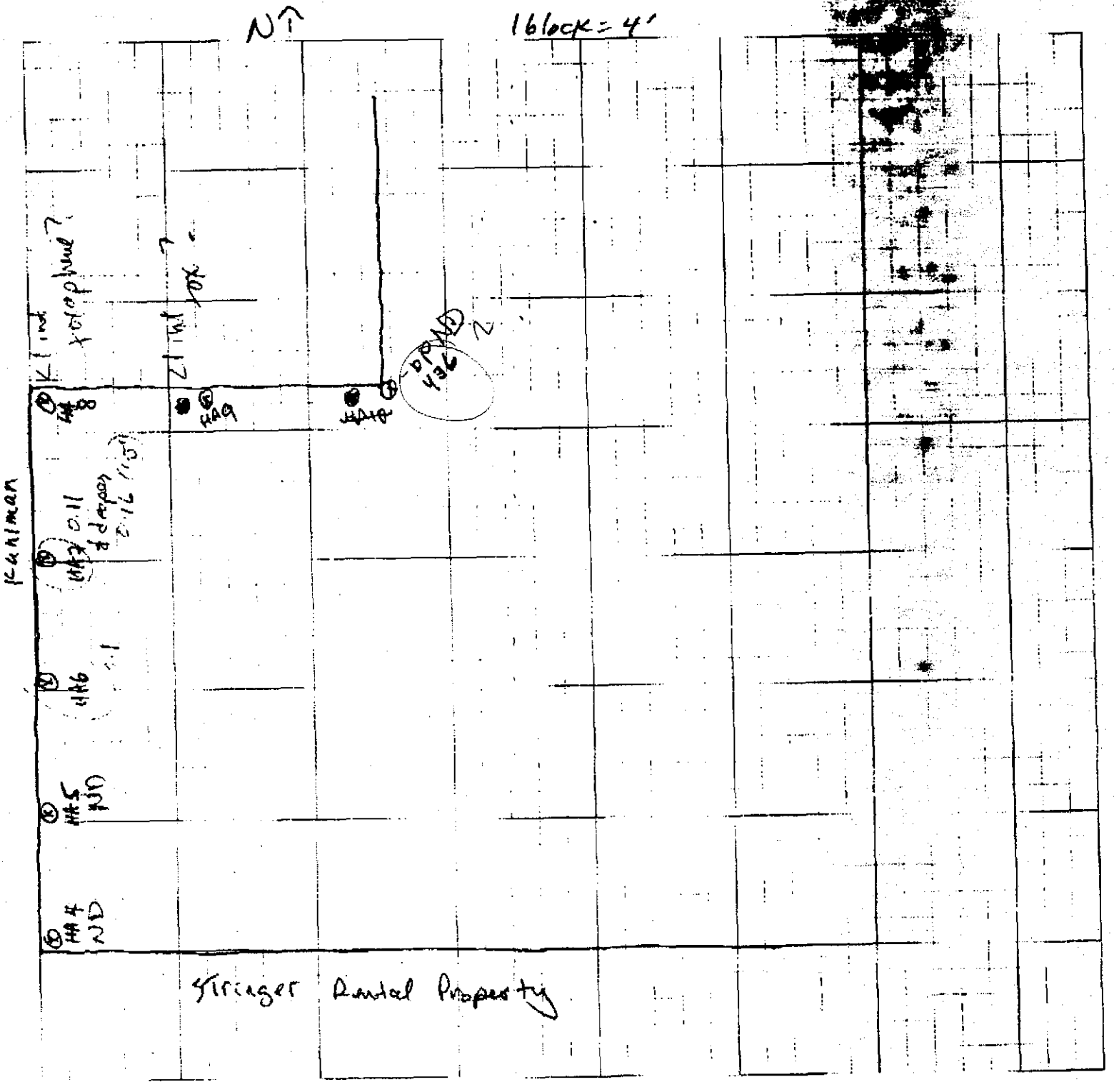
OGDEN

Job Name: Crystal Springs
Job Number:
Title: Dabney Home
Computed by: TJE Checked by:
Date: 8-17-00 Sheet: 9 Of: 11



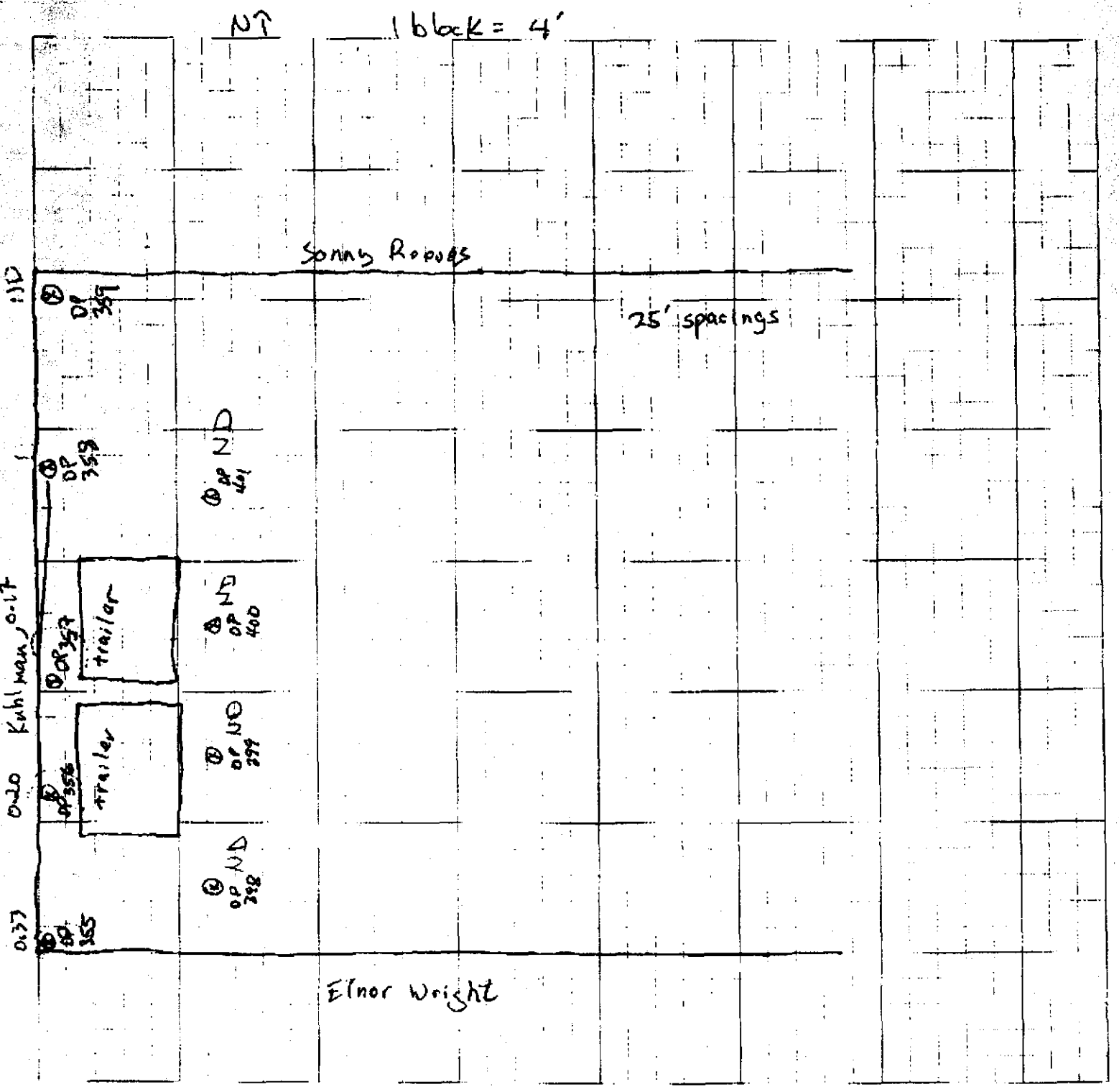
OGDEN

Job Name: Crystal Spr
Job Number:
Title: Wright House
Computed by: Che
Date: 8-18-00 Shee 11



OGDEN

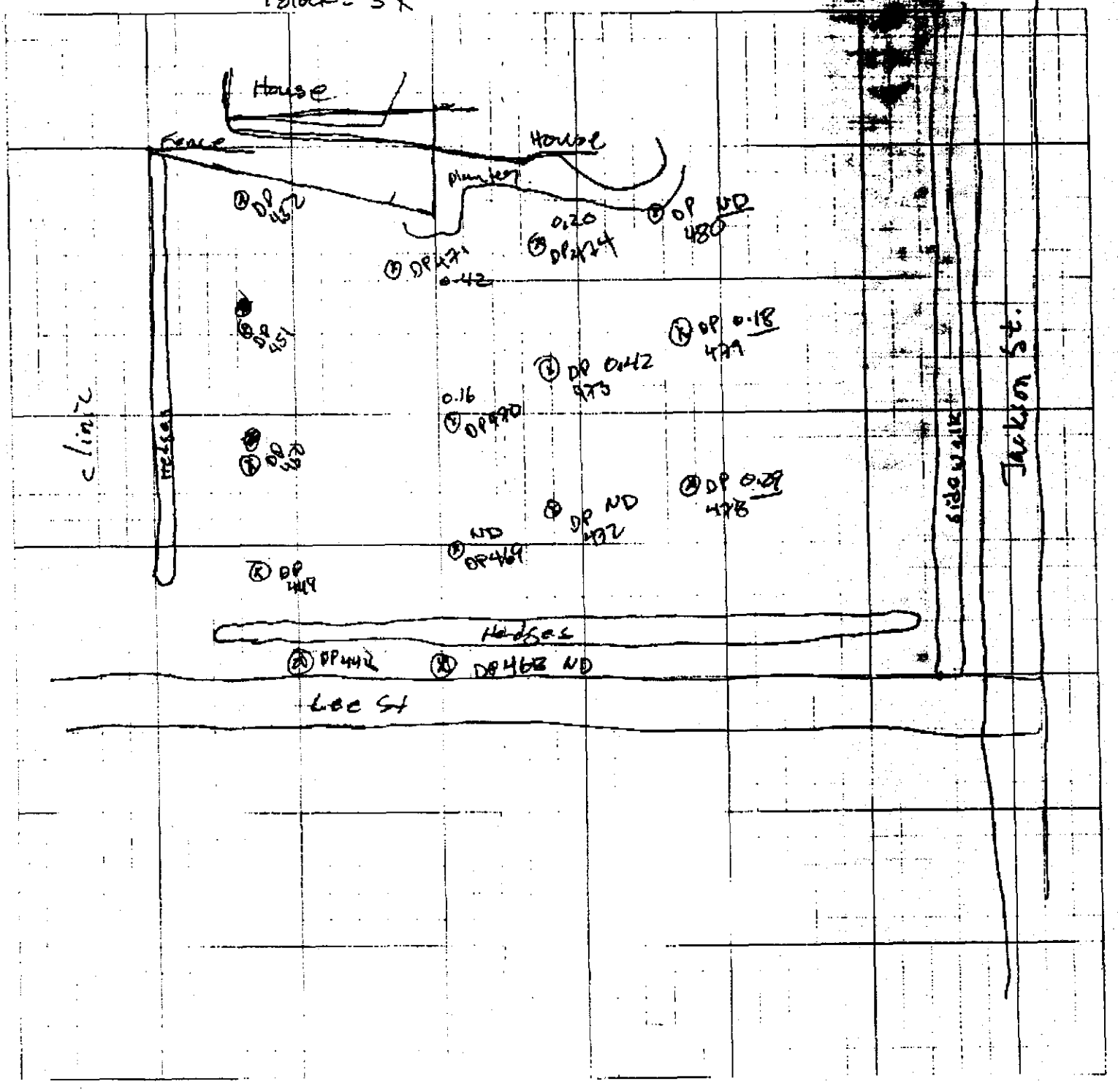
Job Name: Crystal Springs
Job Number:
Title: Harold & Suzanne Wasson
Computed by: TJF Checked by:
Date: 8-18-00 Sheet: 11 Of: 12



OGDEN

Job Name:
Job Number:
Title: Dabney yard - Soil Gas
Computed by: Checked
Date: 8/23/00 Sheet

1 block = 5'



OGDEN

Job Name:

Job Number:

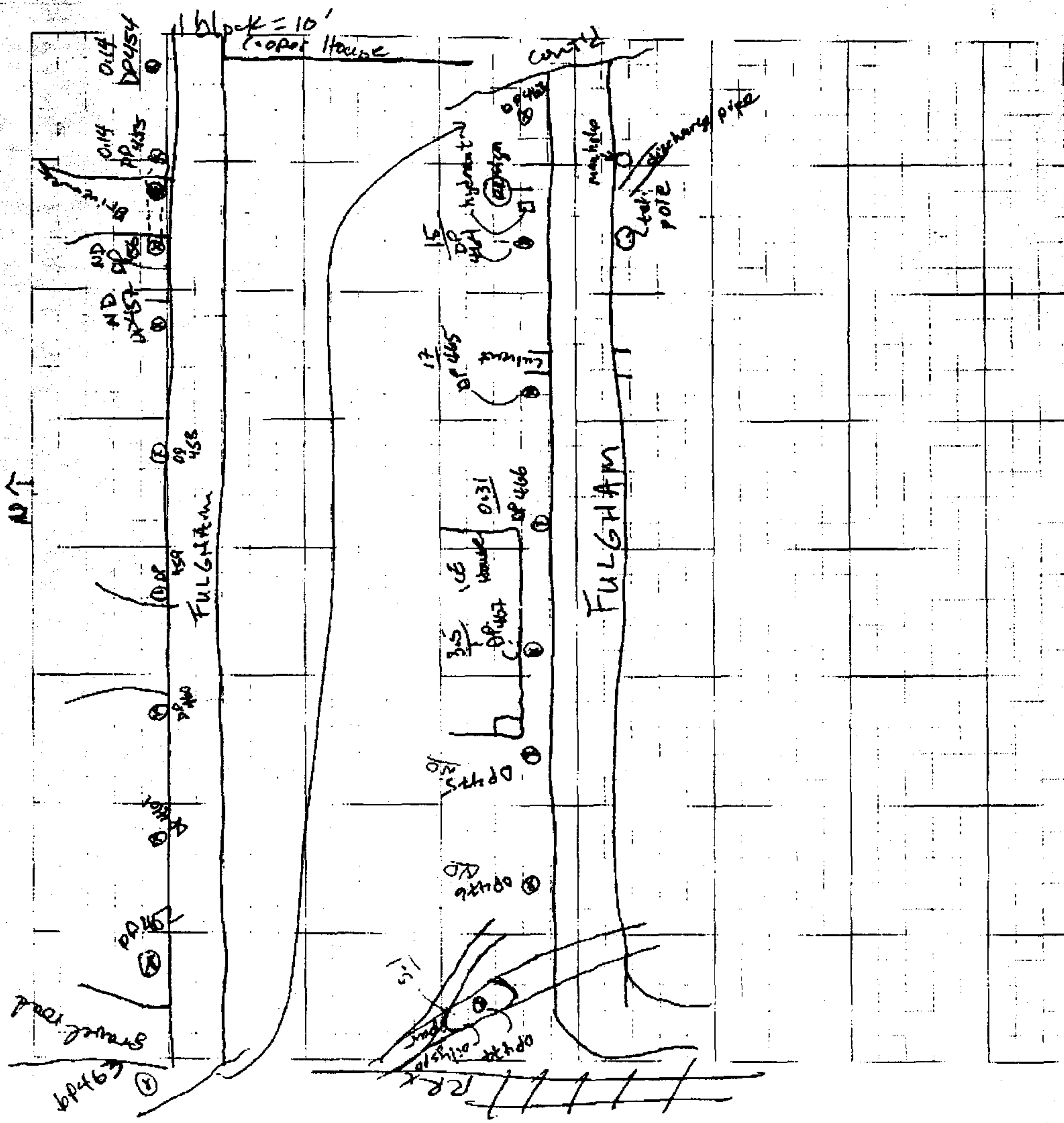
Title: Fulgham Ave

Computed by:

Checked by:

Date:

Sheet: 13 Of:



OGDEN

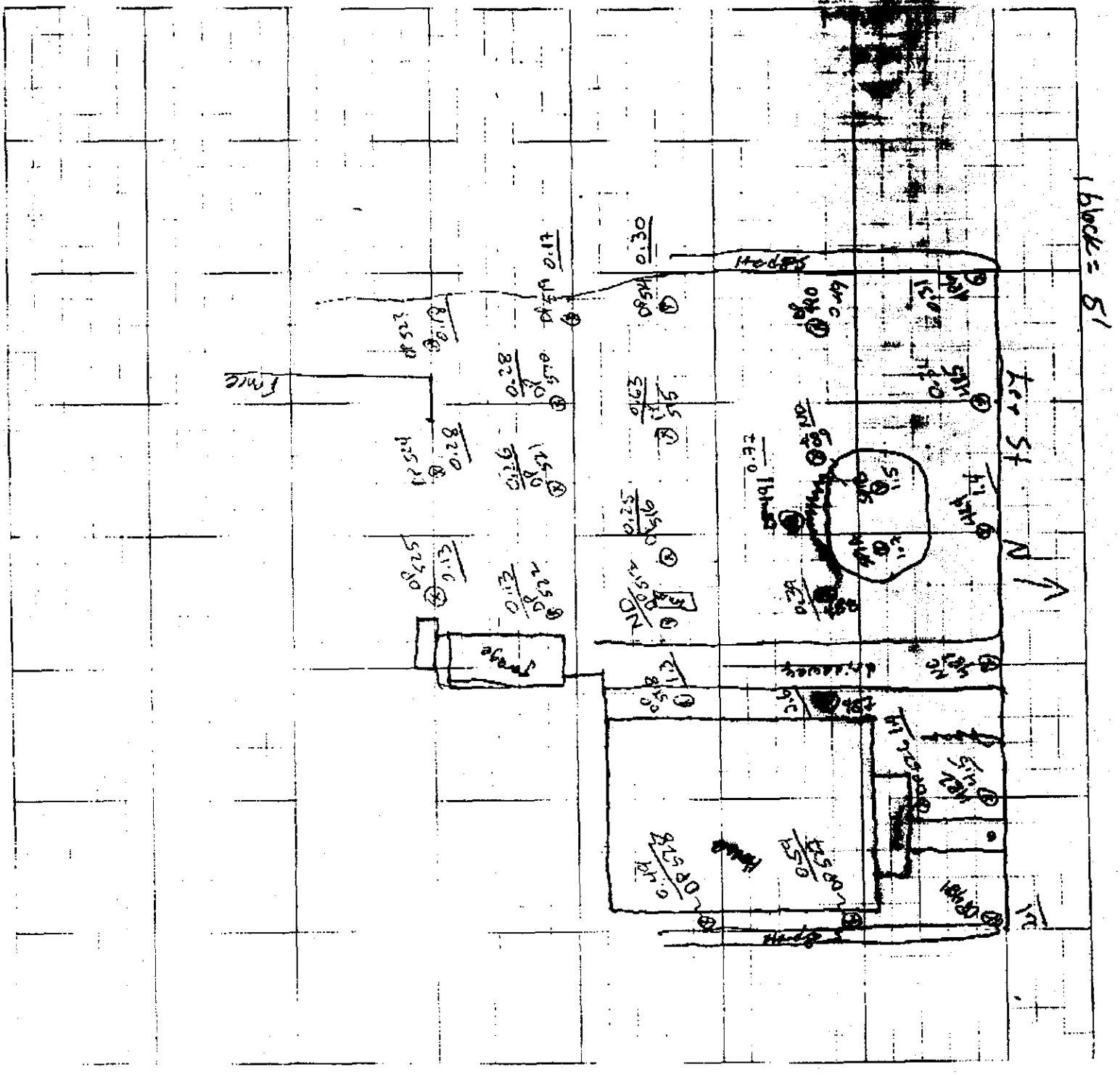
Job Name:

Job Number:

Title: Edwards property

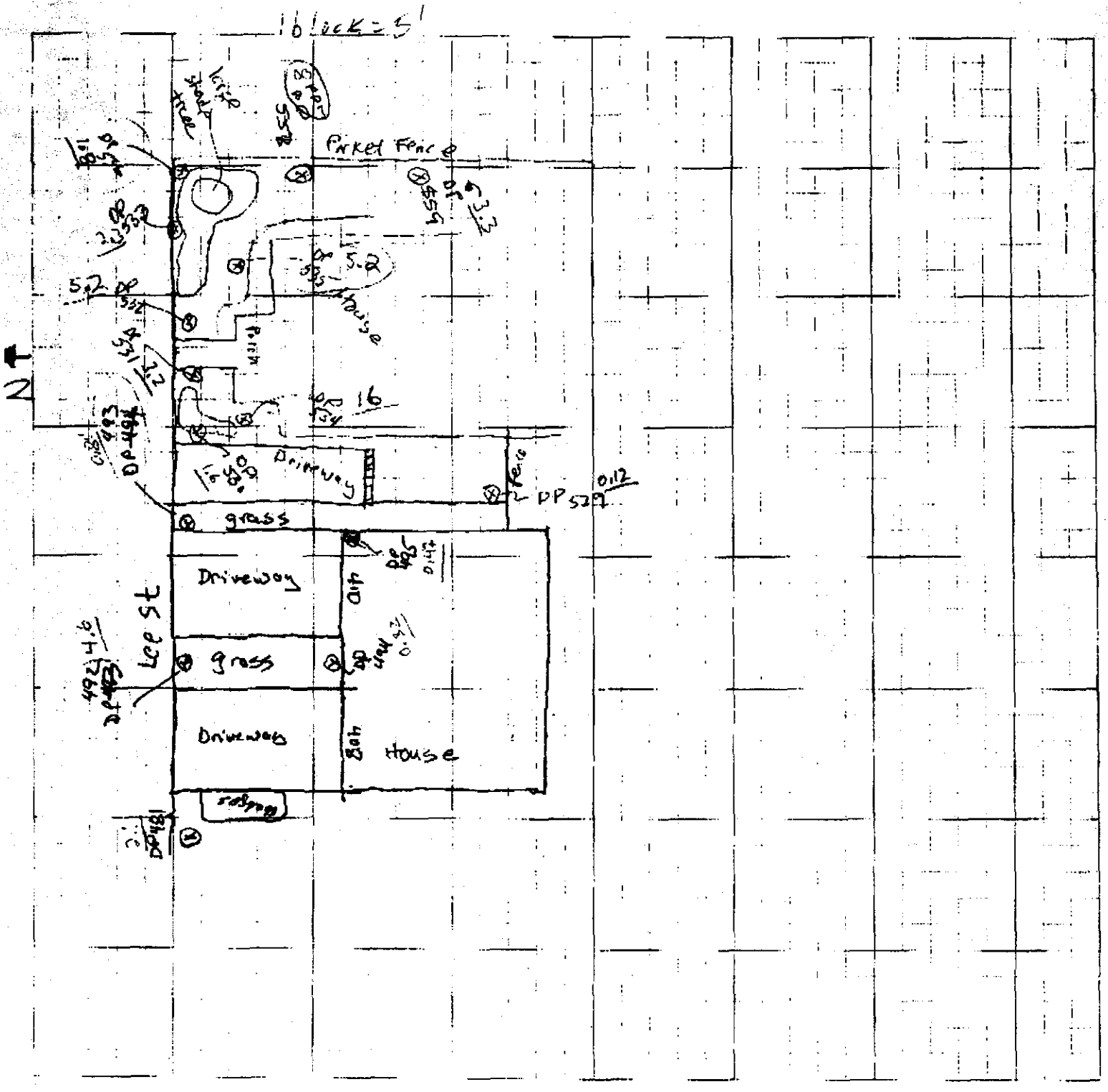
Computed by: TJF Checked

Date: 8/24/00 Sheet



OGDEN

Job Name:
Job Number:
Title: 408/410 Lee St.
Computed by: TDF Checked by:
Date: 8/24/00 Sheet: 15 Of:



OGDEN

Job Name:

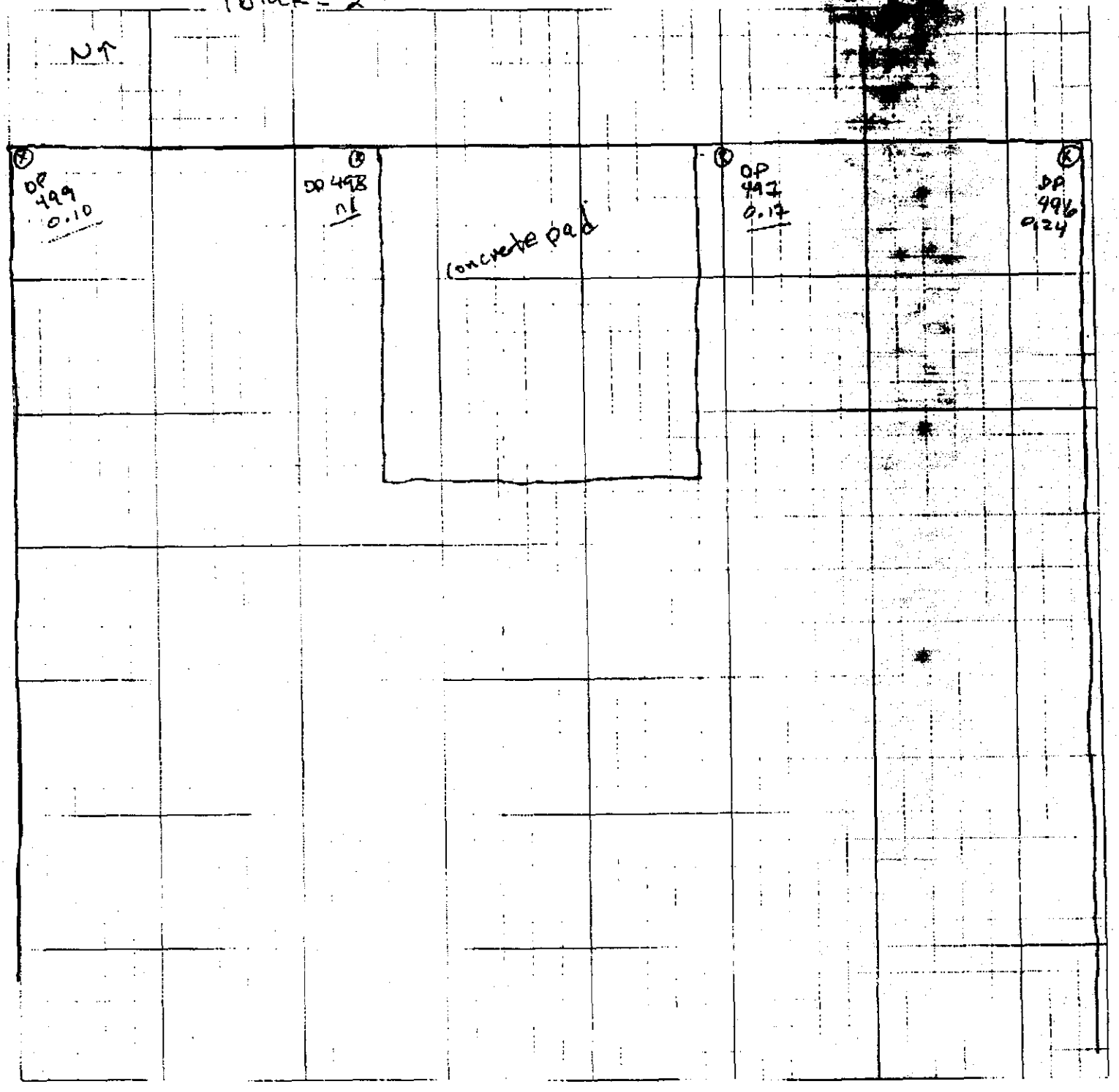
Job Number:

Title: Brent Property

Computed by: TJF Checked

Date: 8/24/00 Sheet 1

1 block = 2'



OGDEN

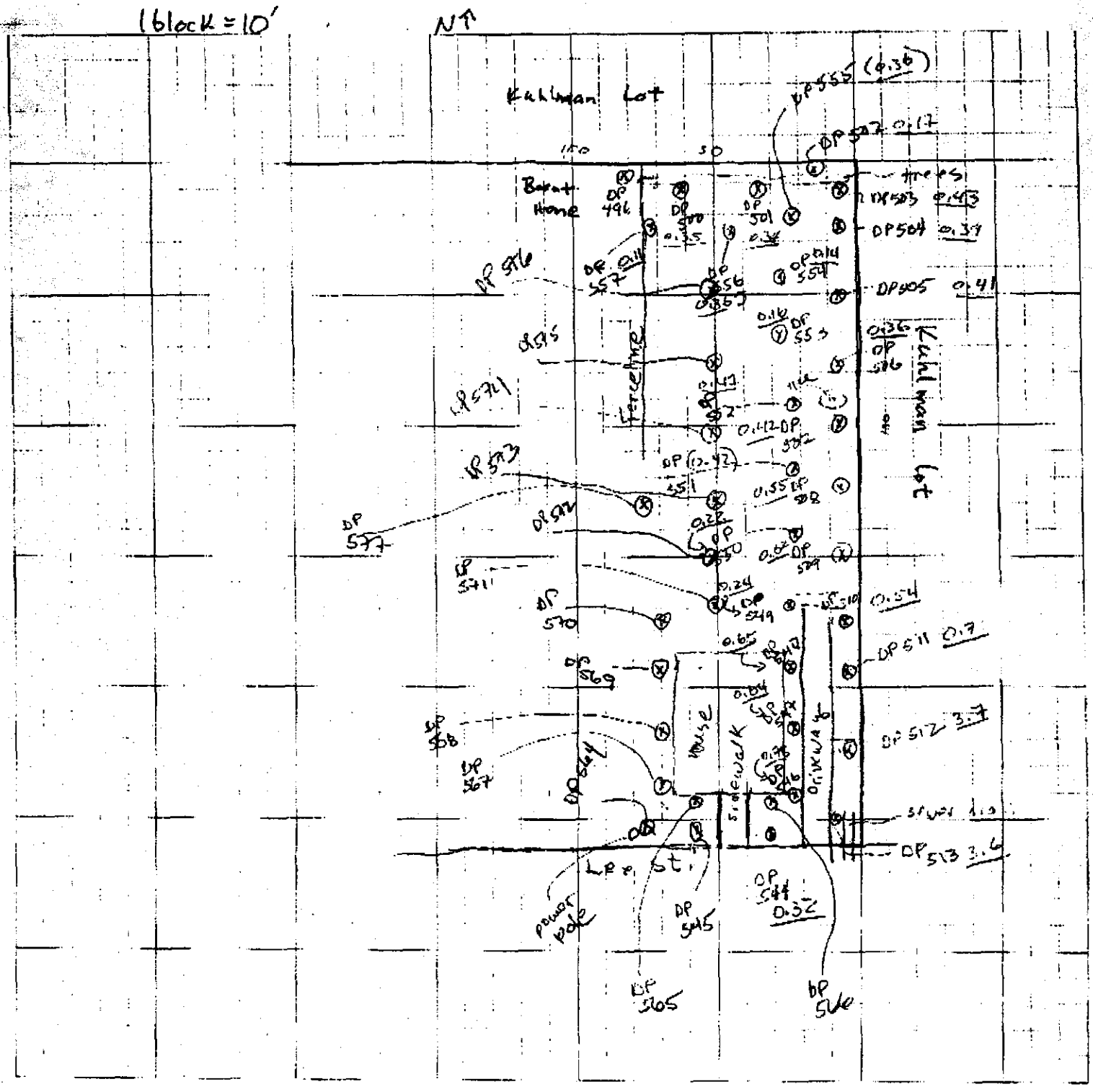
Job Name:

Job Number:

Title: Frazier Property

Computed by: TJF Checked by:

Date: 8/25/00 Sheet: 17 Of:



OGDEN

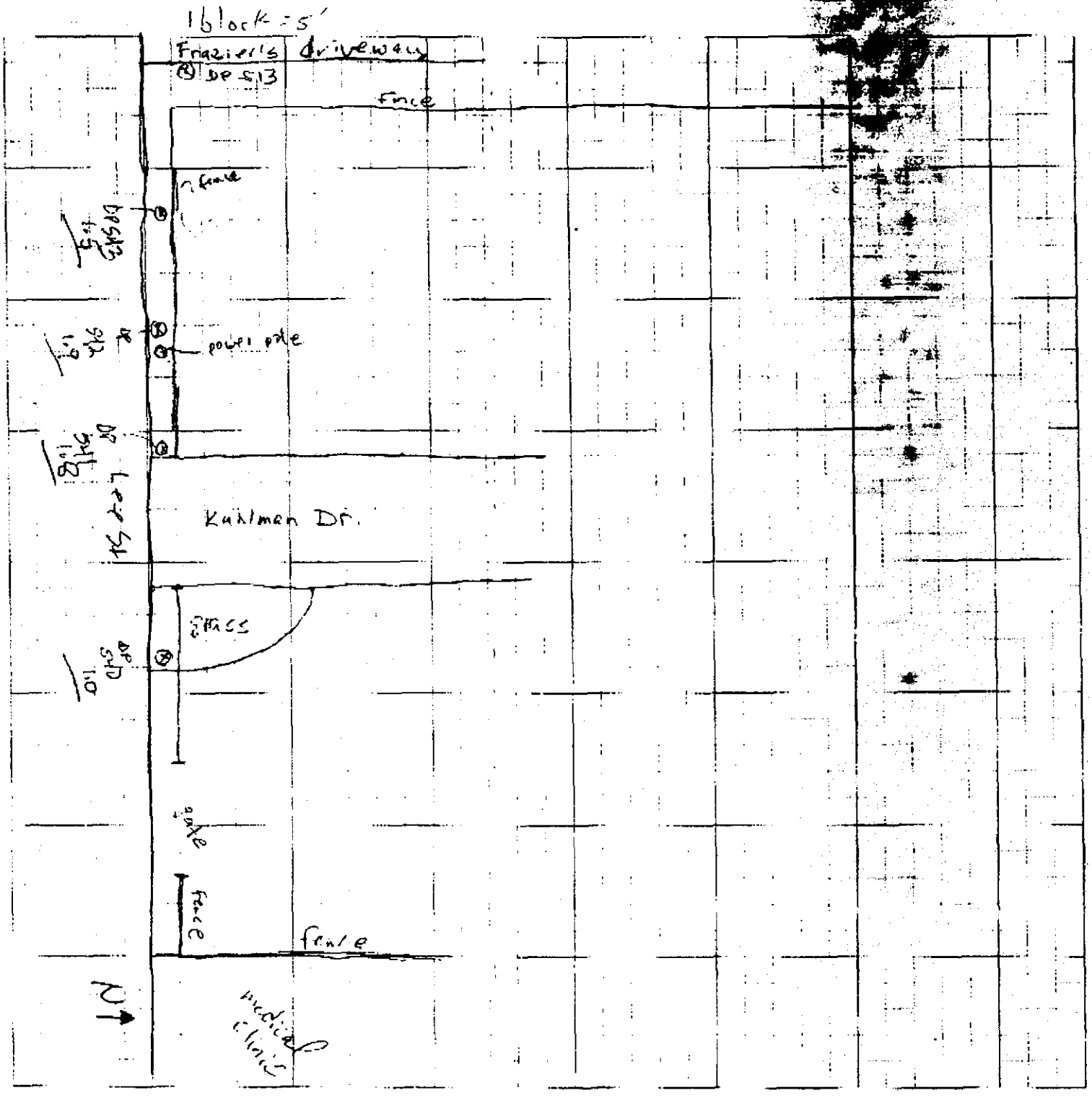
Job Name:

Job Number:

Title: Kuhlman South Parking Lot

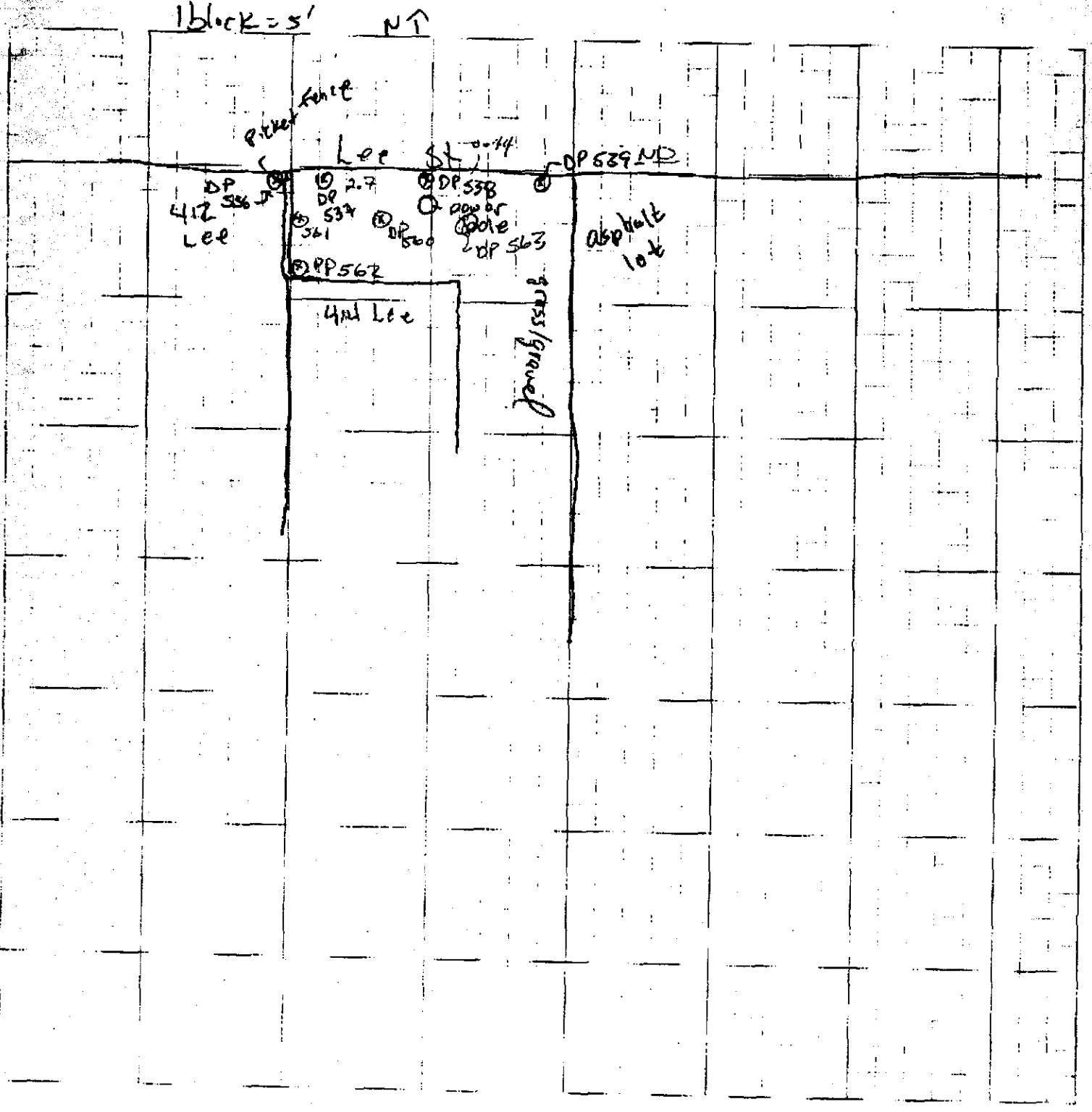
Computed by: Checked:

Date: 8/26/2000 Sheet 1 of 1



OGDEN

Job Name:
Job Number:
Title: 414 Lee St (Garment shop)
Computed by: JF Checked by:
Date: 8/26/2000 Sheet: 19 Of:



FILE COPY

OGDEN

Job Name:
Job Number:
Title:
Computed by:
Date:

To: Gretchin Zmitrovich

From Tim Fitzpatrick

RE: Crystal Springs

31 pages total

Ms. Zmitrovich:

Following ~~are~~ are data & maps from our investigation. We are complete at this time. Please forward the data to Mr. Robert Martin & Ms. Anastasia Hamel as well. Thank you

Tim Fitzpatrick

704 236 3496 (cell)

Sample Tracking Form

Date: 15 Aug 00

1-20 1-20 1-20 1-20 1-20

Target Analyte	Sample Description 1	2	3	Blank #1	LCS #1	MS #3	MSD #3
1,3,5-TriCB	<0.10	<0.10	<0.20	<0.01	101	<0.10	<0.20
1,2,4-TriCB					105		
1,2,3-TriCB					102		
1,2,3,5&1,2,4,5					104		
1,2,3,4-TeCB					104		
Penta-CB					106		
Hexa-CB	↓	↓	↓	↓	111	↓	↓
PCB as 1260	10.0	10.5	6.2	<0.10	106	5.1	4.7
						109	
Surrogate TCMX	116	114	110	103	109	152	104
DCBP	125	111	120	118	109		142
	conta	WS					
	1254	1254					
	WS 1260	WS 1260					
	W1:5	W1:5					
INT Data	15	15	15	15	15	15	15

J = Estimated

E = Exceeds calibration range

Sample Tracking Form

Date: 16AUG00

Target Analyte	Sample Description: DP300 0.5 4	DP300 4 5	DP301 0.5 6	DP301 4 7	DP302 0.5 8	DP302 4 9	DP303 0.5 10	DP303 40 11	DP304 0.5 12	DP304 4 13	DP305 0.5 14	DP305 4 15	DP306 0.5 16	DP306 4 17	DP307 0.5 18	DP307 4 19	DP308 0.5 20	DP308 4 21	DP309 0.5 22	DP309 4 23	Blank #2	LCS #2	8 MS #	8 MSD #
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	99	145	146
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	99	141	142
1,2,3-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	99	140	141
1,2,3,5&1,2,4,5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	102	141	143
1,2,3,4-TeCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	102	139	141
Penta-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	106	138	140
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	107	135	[redacted]
PCB as 1260	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.29	<0.10	0.166	<0.10	<0.10	<0.10	0.16	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	103	131	[redacted]
Surrogate %REC TCMX	99.6	105	129	104	135	106	137	111	102	85.1	131	97.0	104	91.8	139	118	137	108	137	104	111	104	135	136
DCBP	85.5	100	96.9	101	125	115	130	109	87.9	83.9	129	99.4	101	95.0	140	116	133	107	132	103	111	107	130	130
						3																		
	THRE 1260					ONES BUT TONS					TWO OFF SCALE U2 PEAKS AFTER HCB LOOKS LIKE [redacted]		THRE 1260						THRE 1260					
INT Date	16	16	16	16	16	16	16	16	17	17	1248 1260 17	17	17	17	17	16	18	16	16	16	16	16	16	16

AUGUST

J = Estimated

E = Exceeds calibration range

Page 2 of 3

Sample Tracking Form

Date: Aug 16, 2000

DP310

Target Analyte	~~DP310~~ 0.5 24	DP310 4 25	DP311 0.5 26	311 4 27	312 0.5 28	312 4 29	313 0.5 30	313 4 31	314 0.5 32	314 4 33	315 0.5 34	315 4 35	316 0.5 36	316 4 37	317 0.5 38	317 4 39	318 0.5 40	318 4 41	319 0.5 42	319 4 43	~~30~~ Blank #3	~~30~~ LCS #3	MS #30	MSD #30
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0[illegible]	97.4	100	104
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	98.0	101	105
1,2,3-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	97.0	100	105
1,2,3,5&1,2,4,5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	99.5	103	107
1,2,3,4-TeCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	99.4	103	107
Penta-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	101	106	108
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	103	108	109
PCB as 1260	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	~~0.23~~ 0.12	<0.10	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	100	112	107
Surrogate rec%	101	83.8	96	74	111	93	110	107	112	99	134	107	127	98.0	107	103	109	102	106	112	104	100	103	107
DCBP	115	102	91	79	103	106	109	114	112	105	128	112	129	101	106	107	106	111	108	120	112	107	109	107
			TRACE 1260		TRACE 1260										TRACE 1248 or 1254		TRACE 1260							
INJ Date	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

J = Estimated AUGUST

E = Exceeds calibration range

Sample Tracking Form

Date: 16 AUG 2000

Target Analyte	Sample Description: ACID 320 0.5 44	ACID 320 4 45	ACID 321 0.5 46	321 2 47	321 4 48	322 0.5 49	322 4 50	323 0.5 51	323 4 52	324 0.5 53	324 4 54	Blank #4	LCS #4	MS #44	MSD #44
														ACID	ACID
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	104	150	147
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		104	147	145
1,2,3-TriCB													104	145	143
1,2,3,5&1,2,4,5													103	147	145
1,2,3,4-TeCB													104	143	141
Penta-CB													105	143	141
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	102	140	138
PCB as 1260	0.28	<0.10	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.25	<0.10	<0.10	102	161	137
Surrogate TCMX	141	112	134	107	93.7	103	105	106	104	99.6	107	111	101	139	133
DiBP	155	117	137	111	105	110	116	109	113	104	107	122	104	137	149
			OF PEAK BY [illegible]					TRACE 1260							
155 Data	17	17	17	17	17	17	17	17	17	17	17		17	17	17

AUG0817 00

J = Estimated

E = Exceeds calibration range

Page 1 of 1

Sample Tracking Form

Prem 1-2 PIL 1-5

Date: August 17, 2000

Target Analyte	ACID 325 05 55	325 4 56	326 0.5 57	326 4 58	327 05 59	ACID 327 4 60	328 05 61	328 4 62	329 05 63	329 4 64	330 0.5 65	330 4 66	ACID 331 0.5 67	331 4 68	ACID 332 0.5 69	332 4 70	ACID 333 0.5 71	333 4 72	334 0.5 73	334 4 74	Blank #5	LCS #5	ACID MS #61	ACID MSC #61
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	99.8	149	152
1,2,4-TriCB																						97.4	149	150
1,2,3-TriCB																						98.4	147	148
1,2,3,5&1,2,4,5																						98.4	149	150
1,2,3,4-TeCB																						97.0	148	148
Penta-CB																						98.4	147	142
Hexa-CB																						96.8	141	141
PCB as 1260	0.99	<0.10	0.43	<0.10	0.45	<0.10	4.0	<0.10	0.69	<0.10	0.34	<0.10	0.32	<0.10	3.4	<0.10	6.1	<0.10	<0.10	<0.10	<0.10	108	120	122
Surrogate TCMX	143	103	108	104	109	109	145	104	103	108	107	107	132	104	133	100	137	103	104	105	103	97.4	147	143
DCBP	132	103	107	117	113	115	156	107	103	110	105	110	134	110	140	108	127	113	110	114	116	128	152	132
		TRACE 1260			OJ Pack A7 2789						OZ PEAK A7 7782					TRACE 1260			200 1260					
INI, Date	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	17	17

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: August 11, 2000

Target Analyte	335 0.5 75	335 4 76	336 ~~0.5~~ 4 ~~78~~ 77	336 ~~4~~ 0.5 ~~77~~ 78	337 0.5 79	337 4 80	338 0.5 81	338 4 82	339 0.5 83	339 4 84	340 0.5 85	340 4 86	341 0.5 87	341 4 88	342 0.5 89	342 4 90	343 0.5 91	343 4 92	344 0.5 93	344 4 94	Blank # 10	LCS # 10	1-20 0.5 MS # 95	MSD # 95
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	97.6	148	146
1,2,4-TriCB																						99.6	146	145
1,2,3-TriCB																						98.2	144	143
1,2,3,5&1,2,4,5																						92.9	146	144
1,2,3,4-TeCB																						97.6	144	142
Penta-CB																						98.6	144	142
Hexa-CB																						97.8	139	138
PCB as 1260	0.32	<0.10	<0.10	0.74	0.12	<0.10	0.25	<0.10	0.61	<0.10	0.73	<0.01	0.25	<0.01	0.160	<0.01	0.12	<0.10	0.17	<0.10	<0.10	97.0		134
Surrogate TCMX	118	107	105	111	110	103	139	110	143	102	105	106	135	98	133	96	102	993	104	103	100	98.2	141	140
DCBP	142	117	115	112	123	109	162	117	153	112	115	116	146	108	139	101	102	114	108	110	130	110	162	158
																							129	
105 Data	18	18	18	18	18	18	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Page 1 of 2

Date: 17AUG00

Target Analyte	345 0.5 95	345 4 96	346 0.5 97	346 4 98	347 0.5 99	347 4 100	348 0.5 101	348 4 102	349 0.5 103	349 4 104	Sampl 1.5 105	Sampl 5.5 106	350 0.5 107	350 4 108	351 0.5 109	351 4 110	352 0.5 111	352 4 112	353 0.5 113	353 4 114	Blank #7	LCS #7	MS #95	MSD #95
ACID / Sample Description																								
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									<0.01	98.2	88.8	96.6
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	98.4	88.8	96.2
1,2,3-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	97.2	89.6	96.0
1,2,3,5&1,2,4,5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	99.0	92.1	97.3
1,2,3,4-TeCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	96.5	91.0	94.8
Penta-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	97.5	98.2	97.6
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									↓	100	101	102
PCB as 1260	<0.10	<0.10	0.31	<0.10	0.13	<0.10	0.22	<0.10	0.61	<0.10	0.29	<0.10									<0.10	104	110	98.9
Surrogate TCMX	106	99.9	99.3	98.7	98.7	99.6	94.5	95.4	122	90.0	105	89.8									114	98.3	94.9	99.8
DCBP	108	108	100	112	107	111	104	107	137	106	121	113									128	114	103	90.9
	TAKE 1260							US	02 PBAK AFTER MANUAL		MIX of 1260L 1254 1242													
1P5 Date	18	18	18	18	18	18	18	18	18	18	18	18									18 17	18	18	18

J = Estimated AUGUST 00

E = Exceeds calibration range

Sample Tracking Form

Date: 18 Aug 00

Target Analyte	350 0.5 107	350 4 108	351 0.5 109	351 4 110	352 0.5 111	352 4 112	353 0.5 113	353 4 114	354 0.5 115	354 4 116	HA-1 0.5 117	1 4 118	2 0.5 119	2 4 120	3 0.5 121	3 1.5 122	4 0.5 123	4 2.5 124	5 0.5 125	5 2.5 126	Blank # 8	LCS # 8	MS # 107	MSD # 107
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	86.6	140	137
1,2,4-TriCB																						79.9	135	135
1,2,3-TriCB																						79.3	133	131
1,2,3,5&1,2,4,5																						150	133	131
1,2,3,4-TeCB																						64.9	126	124
Penta-CB																						57.3	124	121
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	41.0	124	122
PCB as 1260	1.8	<0.10	0.33	<0.10	0.55	<0.10	1.6	<0.10	0.19	<0.10	0.19	<0.10	7.2	<0.10	0.17	0.31	<0.10	<0.10	<0.10	<0.10	<0.10	65.6	121	117
Surrogate TCMX	104	100	96.1	96.4	101	100	114	127	114	87.3	90.7	90.6	118	86.7	90.6	87.1	87.3	77.0	82.8	82.9	64.9	65.7	124	110
DCBP	116	114	108	116	114	105	138	112	135	109	101	113	136	114	106	105	104	110	102	104	98.7	92.6	138	129
(N) Data	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	18	18

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 18 Aug 00

Target Analyte	Sample Description: Acid HA-6 0.5 127	Acid 6 2.5 128	Acid 7 0.5 129	Acid 7 1.5 130	Acid 355 0.5 131	Acid 355 4 132	Acid 356 0.5 133	Acid 356 4 134	Acid 357 0.5 135	Acid 357 4 136	Acid 358 0.5 137	Acid 358 4 138	Acid 359 0.5 139	Acid 359 4 140	ACID 360 0.5 141	360 4 142	361 0.5 143	361 4 144	362 0.5 145	362 4 146	Blank #9	LCS #9	MS #128	MSD #128
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	95%	81.4	89.4
1,2,4-TriCB																						89.6	83.6	84.8
1,2,3-TriCB																						88%	82.2	83.2
1,2,3,5&1,2,4,5																						104	78.3	80.2
1,2,3,4-TeCB																						73.5	70.2	71.6
Penta-CB																						66.3	63.8	64.8
Hexa-CB																						77%	67.8	68.4
PCB as 1260	0.10	<0.10	0.11	0.16	0.33	<0.10	0.20	<0.10	0.17	<0.10	<0.10	<0.10	<0.10	<0.10	0.08 2.80		0.22	<0.10	0.47	<0.10	0.42 <0.10	97.1	73.7	72.3
Surrogate TCMX	107	75.3	103	98.2	130	104.3	120	62.5	96.1	65.4	104.9	62.2	59.2	60.5	93		96	103	127	94.6	42	72.4	71.0	72.0
DCBP	129	92.7	130	123	73.8	99.4	281	106	130	96.6	94.4	97.8	107	92.6	101		108	106	135	96.6	129		94.7	96.2
																					73.4	71.7		
																					98.4	100		
				MIX																				
				1254																				
				1260																				
				NIII																				
INJ Date	18	18 19	19	19	19	19	19	19	19	19	19	19	19	19	18		18	19	18	19	18 19	19	19	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 18 Aug 00

Sample Description

Target Analyte	Acid 363 0.5 147	Acid 363 4 148	Acid 364 0.5 149	Acid 364 4 150	Acid 365 0.5 151	Acid 365 4 152	Acid 366 0.5 153	Acid 366 4 154	Acid 367 0.5 155	Acid 367 4 156	Acid 368 0.5 157	Acid 368 4 158	Acid 369 0.5 159	Acid 369 4 160	Acid 370 0.5 161	Acid 370 4 162	Acid 371 0.5 163	Acid 371 4 164	Acid 372 0.5 165	Acid 372 4 166	Blank # 10	LCS # 10	MS # 147	MSD # 147
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	<0.01	<0.01		<0.01		<0.01		<0.01	92	125	127
1,2,4-TriCB	↓	↓	↓	↓	↓		↓		↓		↓		↓	↓	↓		↓		↓		↓	91	125	126
1,2,3-TriCB																						91	122	124
1,2,3,5&1,2,4,5																						177	246	250
1,2,3,4-TeCB																						85	118	121
Penta-CB																						81	116	117
Hexa-CB	↓	↓	↓	↓	↓		↓		↓		↓		↓	↓	↓		↓		↓		↓	80	114	115
					~~<0.0~~														~~0.04~~					
PCB as 1260	0.42	<0.10	0.31	<0.10	~~0.07~~ 0.03		~~0.07~~ <0.10		~~0.09~~ <0.10		~~0.07~~ <0.10		0.45	<0.10	~~0.05~~ <0.10		~~0.03~~ <0.10		~~0.95~~ <0.10		<0.01	81	136	136
Surrogate TCMX	112	92%	119	84.1	120		87		90		88		115	90.3	116		85		98		89	94	121	120
DXBP	129	999	129	91.0	120		103		102		102		124	92.4	130		102		110		107	91	137	132
																			84					
																			100					
	18	19	19		19		19		19		19		19		19		19		19		19	19	18	18

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 18 Aug 00

Target Analyte	Sample Description																							
	373 0.5	373 4	374 0.5	374 4	375 0.5	375 4	376 0.5	376 4	377 0.5	377 4	378 0.5	378 4	379 0.5	379 4	380 0.5	380 4	381 0.5	381 4			Blank	LCS	MS	MSD
	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184			# 11	# 11	# 167	# 167
1,3,5-TriCB	<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01				<0.01	91	87	88
1,2,4-TriCB																						90	86	86
1,2,3-TriCB																						89	86	86
1,2,3,5&1,2,4,5																						196	188	188
1,2,3,4-TeCB																						88	80	80
Penta-CB																						79	76	76
Hexa-CB																						79	77	77
PCB as 1260	0.05		0.07		0.07		0.09		0.01		0.02		0.01		0.02		<0.10				<0.01	85.7	84	88
	<0.10		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10									
Surrogate TCMX	82		113		110		112		80		81		77		79		85.7				91	82	79	80
DCBP	99		124		120		138		96		99		90		99		108				111	101	97	93
	19		19		19		19		19		19		19		19		19				19	19	19	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Page 1 of [illegible]

Date: 19AU00

Target Analyte	382 0.5 185 (Acid)	382 4 186	383 0.5 187 (Acid)	383 4 188	384 0.5 189 (Acid)	384 4 190	385 0.5 191 (Acid)	385 4 192	386 0.5 193 (Acid)	386 4 194	387 0.5 195	387 4 196	388 0.5 197 (Acid)	388 4 198	389 0.5 199 (Acid)	389 4 200	390 0.5 201	390 4 202	391 0.5 203	391 4 204	Blank #12	LCS #12	MS # 199 (Acid)	MSD # 199 (Acid)
1,3,5-TriCB	<0.01		<0.01		<0.01		<0.01	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	91.9	136	132
1,2,4-TriCB																						91.7	136	133
1,2,3-TriCB																						92.2	133	129
1,2,3,5&1,2,4,5																						18.6	137	132
1,2,3,4-TeCB																						92.9	138	132
Penta-CB																						95.7	140	135
Hexa-CB																						95.7	140	134
PCB as 1260	<0.10		<0.10		<0.10		0.68	<0.10	<0.10		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10	94.1	~~144~~ 135	130
Surrogate TCMX	133		139		136		140	71.6	139		97.7		138		137		103		103		106	94.0	144	139
DCBP	111		126		115		117	82.2	97.1		93.2		111		122		96.9		105		98.9	90.9	121	120
	UZ		A LARGE																					
	PEAK		UZ PEAKS																					
	START		START OF				1254						TRACE		TRACE									
	1260		1260				1260				TRACE		1260		1260									
											1260													
	TRACE		TRACE		TRACE		N/12		1260															
	1260		1260		1260				JUST															
									UNDER															
			DI						LIMIT															
			off scale																					
INS Date	19		19		19		19	19	19		19		19		19		19		19		19	19	19	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 1/14/00

Target Analyte	Sample Description																						
	392 0.5 205	392 A 206	393 0.5 207	393 A 208	394 0.5 209	394 A 210	395 0.5 211	395 A 212	396 0.5 213	396 A 214	397 0.5 215	397 A 216	398 0.5 217	398 A 218	399 0.5 219	399 4 220	400 0.5 221	400 4 222	401 0.5 223	401 4 224	Blank #13	LCS #13	MS # 205	MSD # 205
1,3,5-TriCB	<0.01		<0.01		<0.01		<0.01	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	88%	90.3	92.0
1,2,4-TriCB	↓		↓		↓		↓	↓	↓		↓		↓		↓		↓		↓		↓	87.1	90.3	92.0
1,2,3-TriCB																						87.5	90.4	92.0
1,2,3,5&1,2,4,5																						175	199	187
1,2,3,4-TeCB																						86.8	92.6	93.5
Penta-CB																						86.3	94.7	95.5
Hexa-CB	↓		↓		↓		↓	↓	↓		↓		↓		↓		↓		↓		↓	87.1	94.1	98%
PCB as 1260	<0.10		<0.10		<0.10		0.14	<0.10	<0.10		<0.10		<0.10		<0.10		<0.10		<0.10		<0.10	89.1	99.2	94.5
Surrogate %rec	103		102	99.4	99.6		95.6	77.1	92.9		96.9		99.6		93.0		96.1		92.3		97.6	88.4	97.4	98.4
DCBP	95.9		90.8	88.5	91.5		96.5	82.0	96.0		99.7		130		98.9		98.0		83.1		101	96.3	86.9	99.6
									TRIPLE 1260															
INT Std	19		19		19		19		19		19		19		19		19		19		19	19	19	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 19 Aug 20

Target Analyte	Sample Description																						
	402 0.5 225	402 4 226	403 0.5 227	403 4 228	404 0.5 229	404 4 230	405 0.5 231	405 4 232	406 0.5 233	406 4 234	407 0.5 235	407 4 236	408 0.5 237	408 4 238	409 0.5 239	409 4 240	410 0.5 241	410 4 242	411 0.5 243	411 4 244	Blank # 14	LCS # 14	MS # 225	MSD # 225
1,3,5-TriCB	4.01		<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01	<0.01	<0.01	94%	92.9	90.2
1,2,4-TriCB																						92.8	91.2	88.2
1,2,3-TriCB																						92.8	91.5	88.2
1,2,3,5&1,2,4,5																						92.2	183	88.9
1,2,3,4-TeCB																						91.2	90.1%	88.0
Penta-CB																						89.4	89.9	87.1%
Hexa-CB																						90.8	90.4	88.5
PCB as 1260	<0.10		<0.10		<0.10		<0.10	0.12	0.12	<0.10	<0.10		<0.10		<0.10		<0.10		0.28	<0.10	<0.10	86.8	93.6	87.8
Surrogate TCMX	93.2		93.7		94.0		95.8		95.4	92.3	94.9		92.2		95.1%		92.3		123	93.8	92.9	92.1	89.6	87.5
DCBP	95.3		94.7		93.5		95.0		91.8	98.1	93.1		95.2		91.4		91.2		119	95.5	92.9	92.6	92.4	89.9
INJ Date	19		19		19		19		19	20	19		19		20		19		19	20	20	20	19	19

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 19 Aug 00

Target Analyte	Sample Description: 4/12 0.5 245	4/12 4 246	4/13 0.5 247	4/13 4 248	4/14 0.5 249	4/14 4 250	4/15 0.5 251	4/15 4 252	4/16 0.5 253	4/16 4 254	4/17 0.5 255	4/17 4 256	4/18 0.5 257	4/18 4 258	4/19 0.5 259	4/19 4 260	4/20 0.5 261	4/20 4 262	4/21 0.5 263	4/21 4 264	Blank # 15	LCS # 15	MS # 249	MSD # 249
1,3,5-TriCB	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	89.1	88.6	86.0
1,2,4-TriCB																						88.9	88.3	85.1
1,2,3-TriCB																						89.0	88.2	84.8
1,2,3,5&1,2,4,5																						17.9	17.7	17.1
1,2,3,4-TeCB																						88.6	86.8	83.4
Penta-CB																						89.3	86.7	83.4
Hexa-CB																						89.6	87.9	84.6
PCB as 1260	0.78	<0.10	<0.10		0.14	<0.10	<0.10	<0.10	<0.10		<0.10	<0.10	1.1	<0.10	0.92	<0.10	<0.10		0.55	<0.10	<0.10	86.4	94.6	95.5
Surrogate TCMX	126	82.3	91.4		92.1	87.4	78.2	78.5	92.4		94.6	84.6	121	80.3	87.4	88.3	84.1		85.5	77.0	98.4	89.9	93.6	87.9
DCBP	111	91.5	86.1		72.7	95.2	81.7	86.4	89.9		91.8	89.5	107	87.8	85.1	95.6	85.0		85.5	86.4	91.8	85.7	71.0	73.2
							<0.01																	
							0.12																	
							85.6																	
							86.2																	
IND Data	19	20	19		19	20	20		20		20	20	20		20	20	20		20	20	19	19	19	20

J = Estimated

E = Exceeds calibration range

601 8926496

Sample Tracking Form

Date: 19 Aug 00

ACD

Target Analyte	422 0.5 265	422 4 266	423 0.5 267	423 4 268	424 0.5 269	424 4 270	425 0.5 271	425 4 272	426 0.5 273	426 4 274	427 0.5 275	427 4 276	Blank #	LCS #	MS #	M #
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01				
1,2,4-TriCB																
1,2,3-TriCB																
1,2,3,5&1,2,4,5																
1,2,3,4-TeCB																
Penta-CB																
Hexa-CB																
PCB as 1260	0.19	<0.10	0.19	<0.10	<0.10		0.12	<0.10	<0.10		0.14	<0.10				
Surrogate TCMX	119	70.3	115	75.0	88.6		84.2	75.6	88.7		86.4	75.7				
DCBP	115	81.9	119	86.1	85.2		83.3	79.7	88.6		94.1	85.1				
INS Dil	20	20	20	20	20		20	20	20		20	20				

See Previous Page

Ron

J = Estimated

E = Exceeds calibration range

Sample Tracking Form

Page ___ of ___

Date: 20 Aug 00

Target Analyte	428 0.5 277	428 4 278	429 0.5 279	429 4 280	430 0.5 281	430 4 282	431 0.5 283	431 4 284	432 0.5 285	432 4 286	433 0.5 287	433 4 288	434 0.5 289	434 4 290	435 0.5 291	435 4 292	436 0.5 293	436 4 294	HA-7 2.25 295	HA-8 0.5 296	Blank # 160	LCS # 160	MS # 277	M #
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	160	277	[illegible]
1,2,4-TriCB																							89.8	[illegible]
1,2,3-TriCB																							87.0	[illegible]
1,2,3,5&1,2,4,5																							88.3	[illegible]
1,2,3,4-TeCB																							173	17
Penta-CB																							85.1	[illegible]
Hexa-CB																							80.4	
																							80.7	
PCB as 1260	0.44	[illegible]	0.89	<0.10	1.6	<0.10	0.70	<0.10	5.1	<0.10	<0.10		<0.10		0.74	<0.10	0.68	<0.10	<0.10	<2.0①	<0.10		110	
Surrogate TCMX	90.3	[illegible]	117	73.4	121	61.4	120	68.3	126	85.5	83.6		86.2		85.7	77.6	130	84.4	85.9	127	87.7		85.2	
DCBP	91.1	[illegible]	120	88.2	123	87.4	118	85.7	123	99.2	86.1		87.9		89.4	93.5	105	90.4	94.6	135	94.6		94.4	
							EARLY VZ PEAKS		LARGE VZ KY TEMP				TRACE 1260				1254 1260 N182							
		<0.9 <0.10 70.5 85.2																						
INJ Date	20	20	20	20	20	20	20	20	20	20	20		20		20	20	20	20	20	20				

① elevated limit due to [illegible]

J = Estimated

E = Exceeds calibration range

Sample Tracking Form

Date: 20 Aug 00

Target Analyte	HA 8 2.25 297	HA 9 05 298	HA 9 2.5 299	DUP 05 300	437 4 301	438 0.5 302	438 4 303	439 0.5 304	439 4 305	440 0.5 306	440 4 307	441 0.5 308	441 4 309	442 0.5 310	442 4 311	443 0.5 312	443 4 313	444 0.5 314	444 4 315	445 0.5 316	Blank # 17	LCS # 17	MS # 304	MSD # 304
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	<0.01	91.0		
1,2,4-TriCB																						87.3		
1,2,3-TriCB																						88.4		
1,2,3,5&1,2,4,5																						174		
1,2,3,4-TeCB																						83.7		
Penta-CB																						81.0		
Hexa-CB																						80.9		
PCB as 1260	<0.10	<0.10	<0.10	<0.10		<0.10		<0.10		<0.10		0.70		1.0		0.43		0.11		0.28	<0.10	78.4		
Surrogate TCMX	88.7	110	111	127		108		95.3		90.2		114		112		112		117		110	90.1	86.1		
DCBP	92.4	146	119	109		117		93.7		93.3		117		98.8		110		119		108	97.4	95.1		
LVS Data	20	20	20	20		20		20		20		20		20		20		20		20	20	20		

J = Estimated
E = Exceeds calibration range

⊘ 2 large UI Peaks one by HCB one by TCMX

Sample Tracking Form

Date: 20 Aug 00

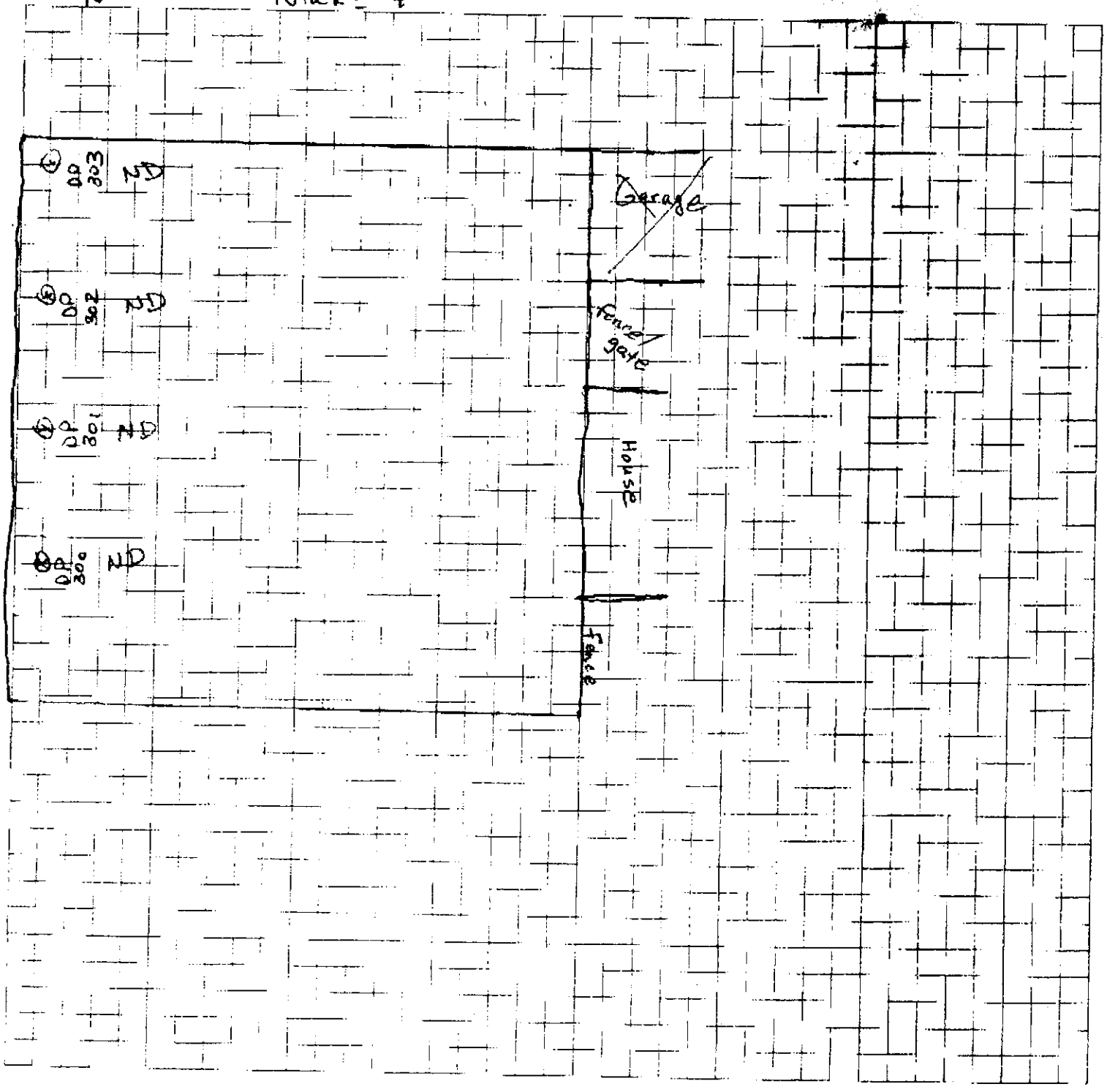
Target Analyte	445 4 317	Aub 446 CS 318	446 4 319	Aub 447 OS 320	447 4 321	Sample Description	Blank #	LCS #	MS #	MSD #
						NO LCS/MS/MSD Blank				
1,3,5-TriCB		<0.01		<0.01						
1,2,4-TriCB		↓		↓						
1,2,3-TriCB										
1,2,3,5&1,2,4,5										
1,2,3,4-TeCB										
Penta-CB										
Hexa-CB										
PCB as 1260		0.12		0.18						
Surrogate TCMX		112		106						
DCBP		112		98.1						
HS Date		20		20						

J = Estimated
E = Exceeds calibration range

OGDEN

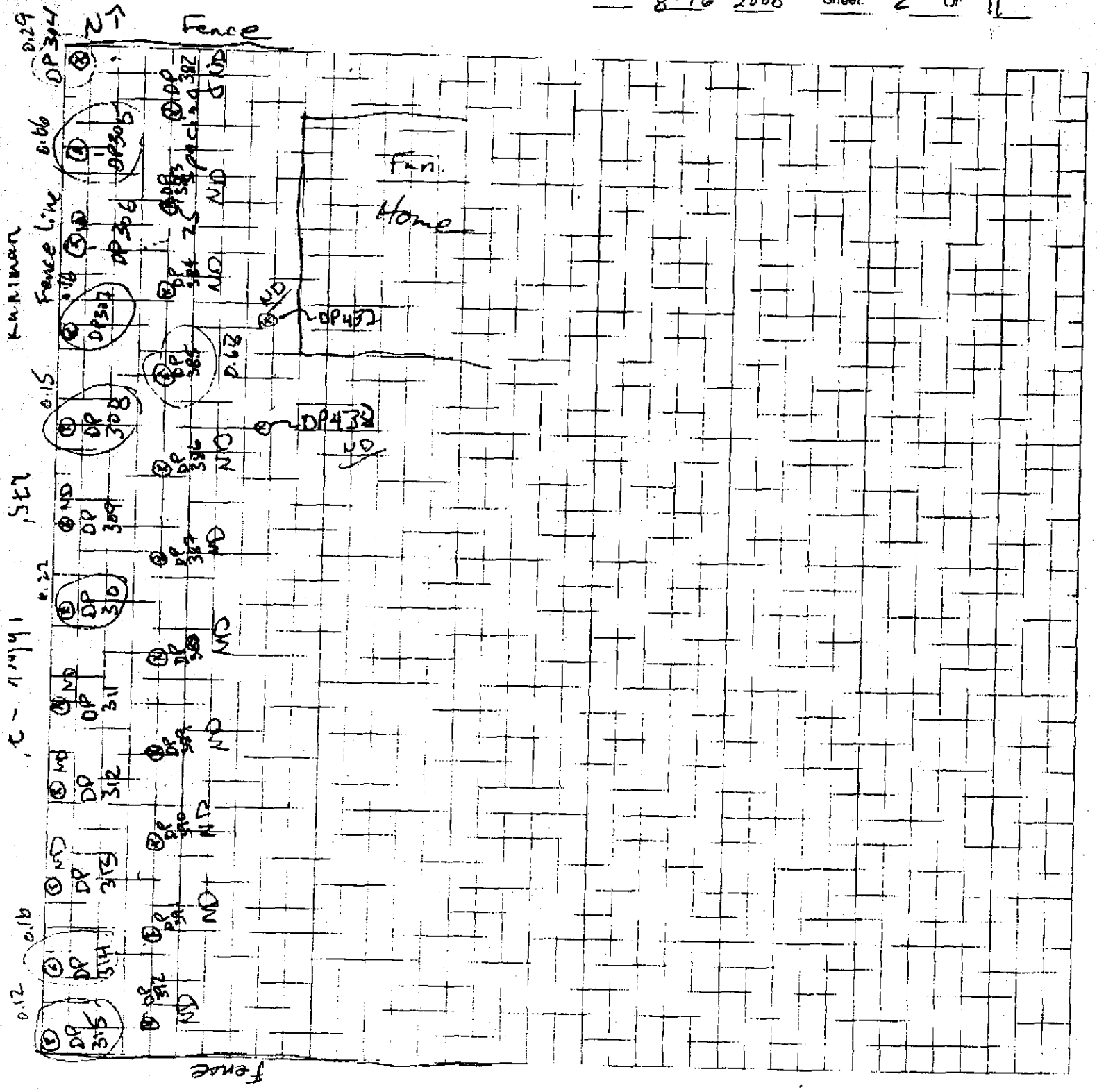
Job Name: Crystal Springs
Job Number:
Title: Sonny Reeves backyard 405 Jackson
Computed by: Checked by:
Date: 8/16/2000 Sheet 1 Of 11

N ↑ 1block = 4'



OGDEN

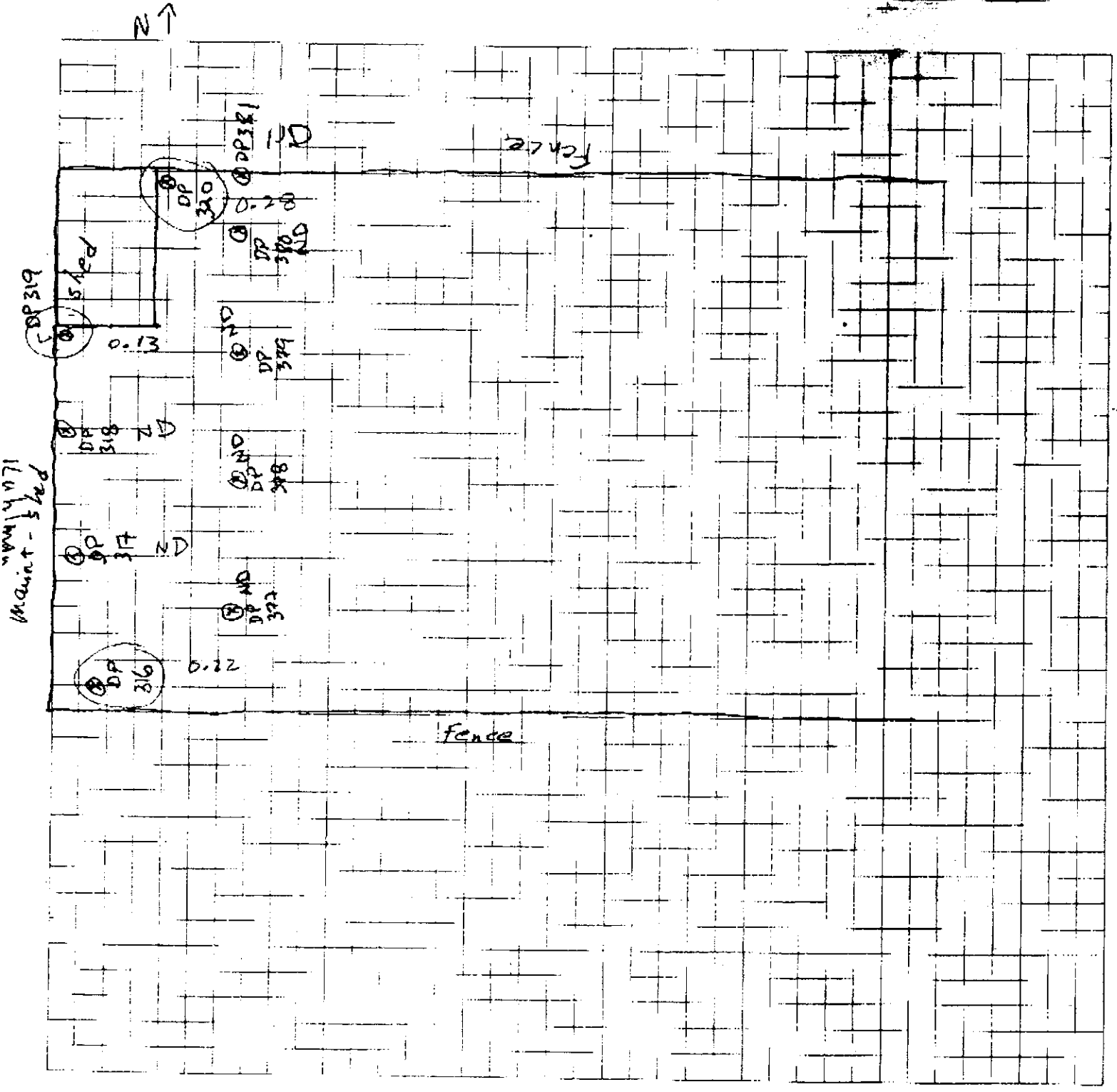
Job Name: Crystal Springs
Job Number:
Title: Stringer Funeral Home
Computed by: Checked by:
Date: 8-16-2000 Sheet: 2 Of: 11



OGDEN

Job Name: Crystal Springs
Job Number:
Title: 401 N. Jackson Fiber Wright
Computed by: Checked by:
Date: 8-16-2000 Sheet 3 of 11

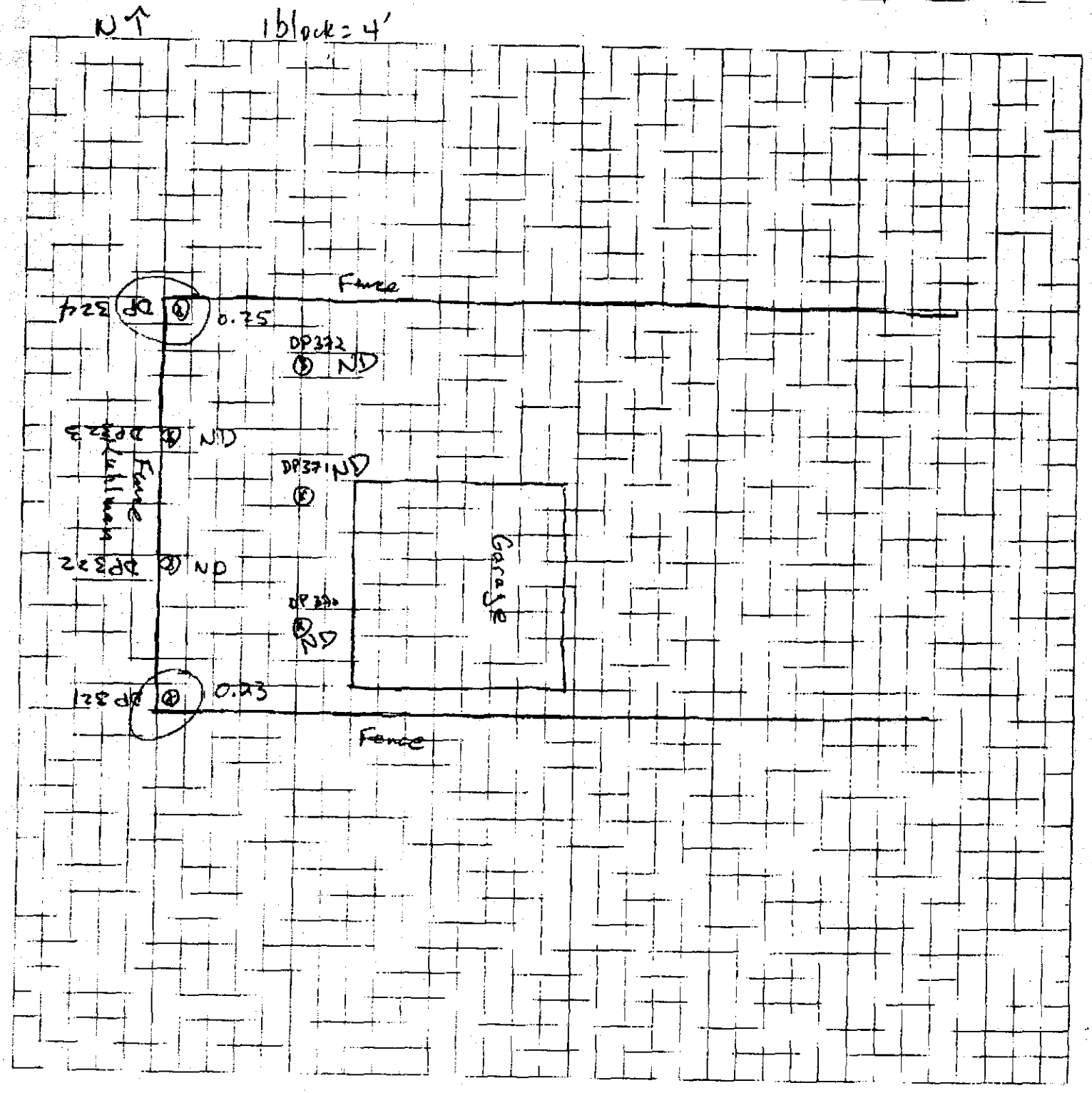
1 block = 4'



601 8926496

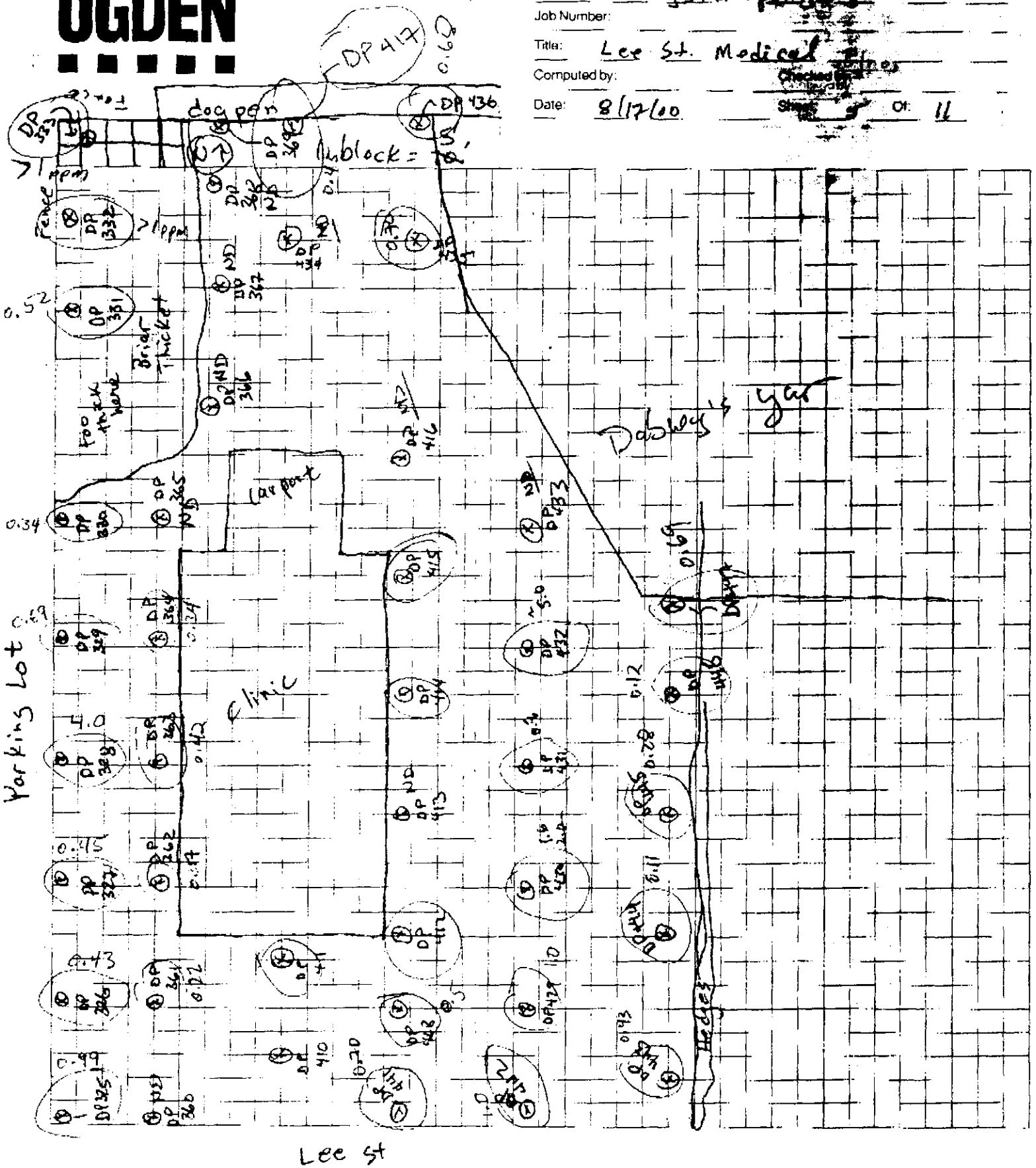
OGDEN

Job Name: Crystal Springs
Job Number:
Title: 407 N. Jackson Louie Lang
Computed by: Checked by:
Date: 8-16-00 Sheet: 4 Of: 11



OGDEN

Job Name: Crystal Springs
Job Number:
Title: Lee St. Medical
Computed by:
Checked by:
Date: 8/17/00
Sheet 5 Of: 11



OGDEN

Job Name: Crystal Springs

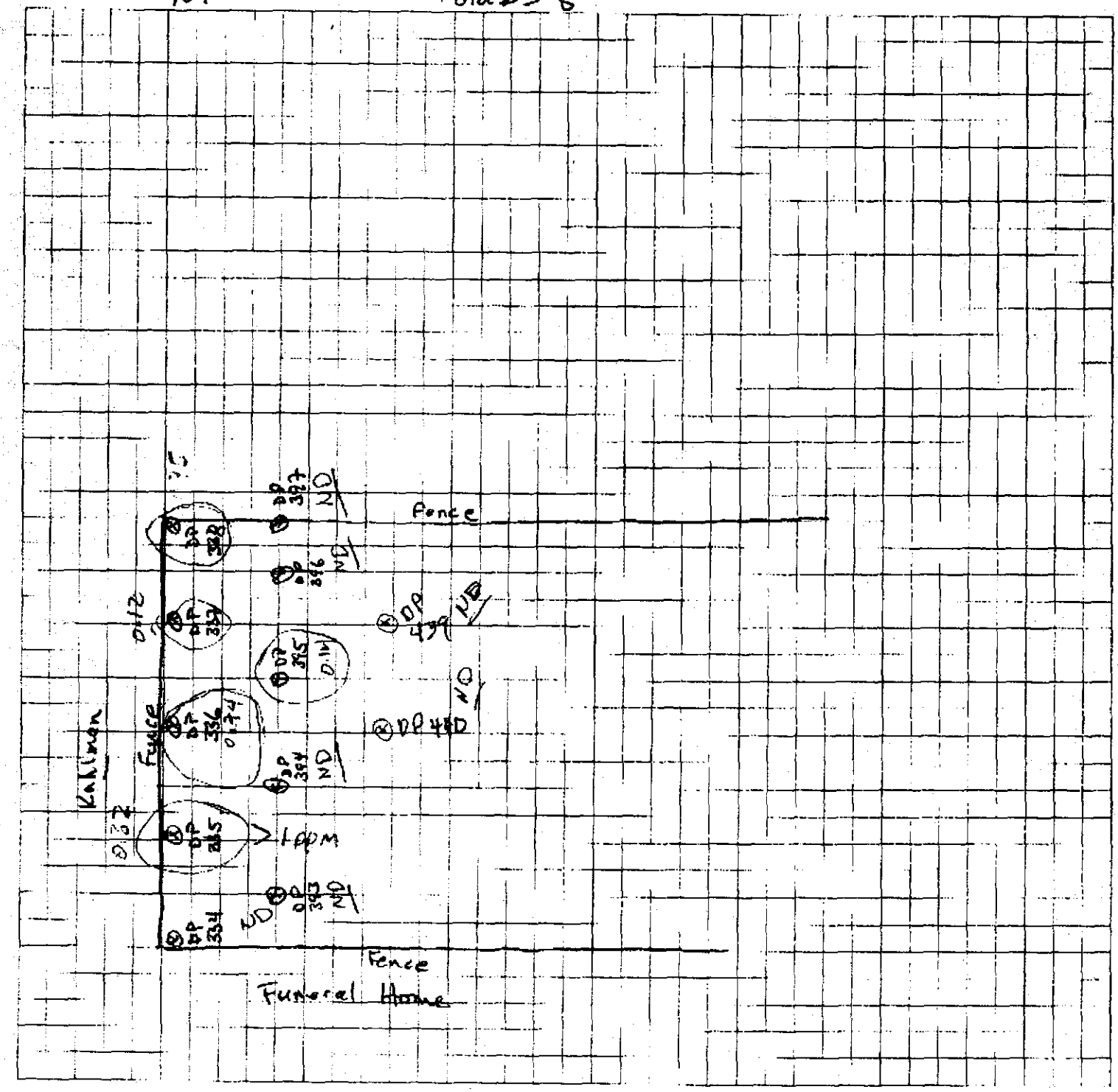
Job Number:

Title: 303 N. Jackson (stringer)

Computed by: Checked by:

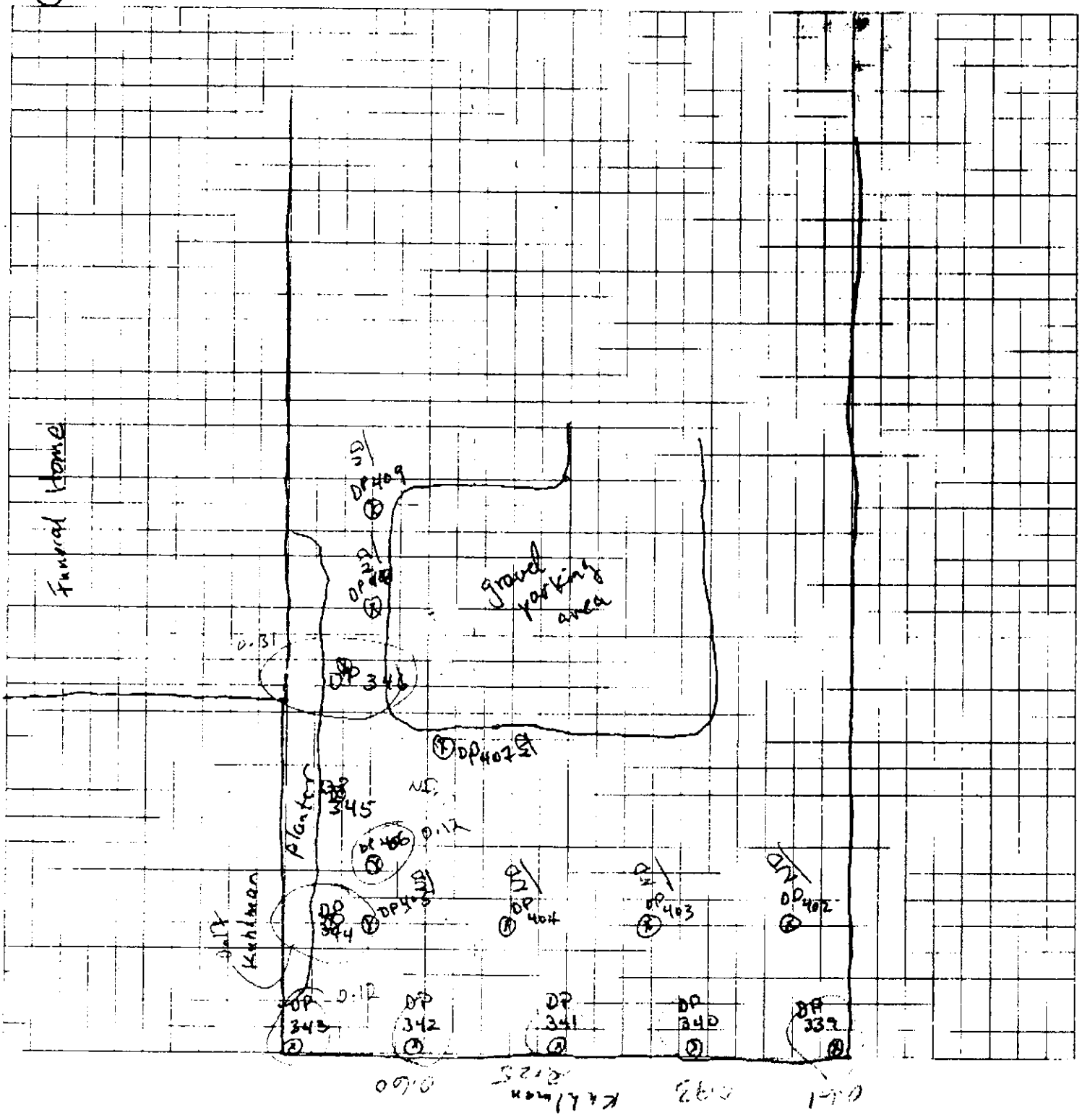
Date: 8-17-00 Sheet: 6 Of: 11

NT 1 block = 5'



OGDEN

Job Name: Crystal Springs
Job Number:
Title: 219 N. Jackson - Perry Smith
Computed by: TJF
Date: 8-17-00
Sheet: 2 of 11



OGDEN

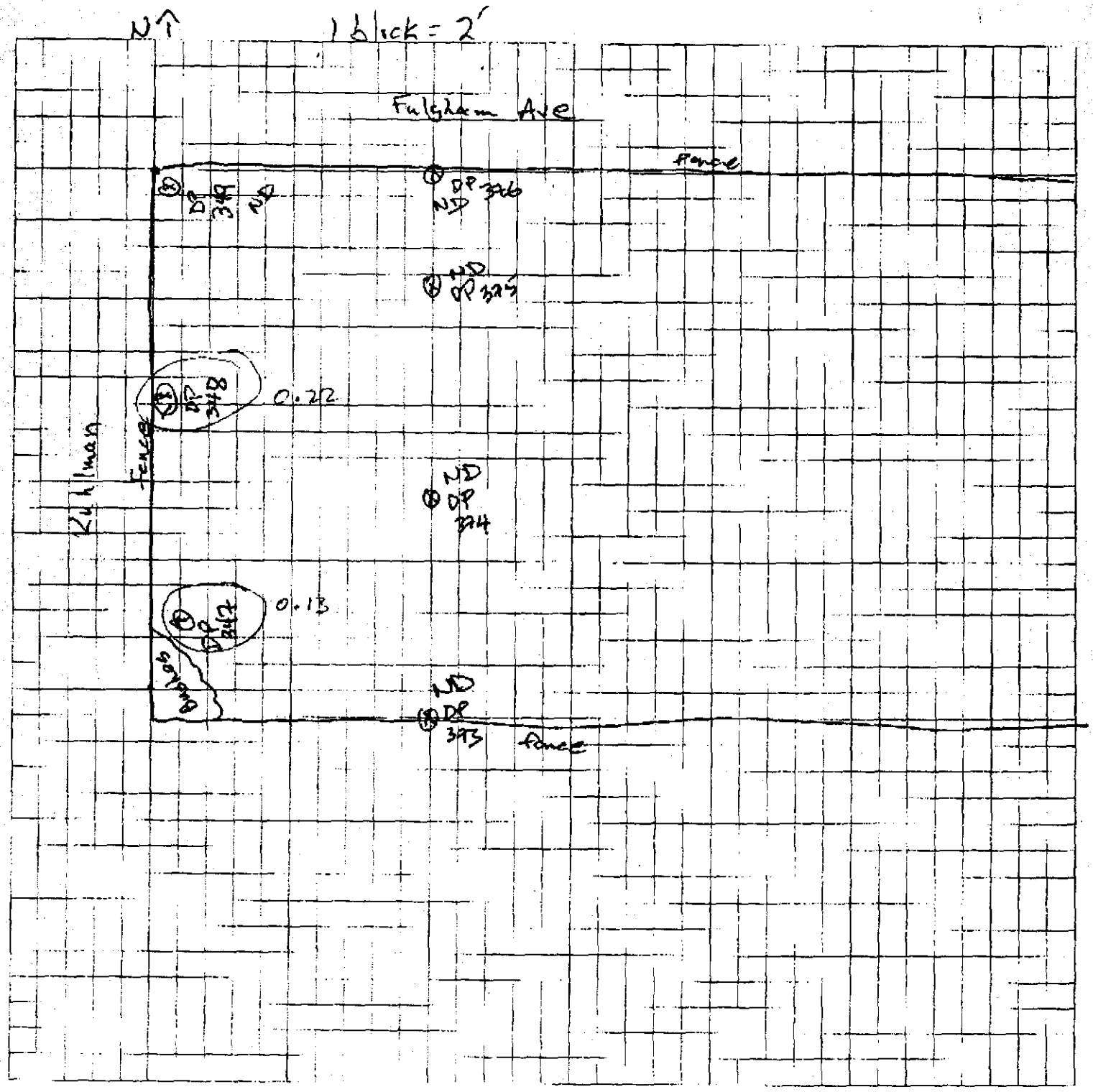
Job Name: Crystal Springs

Job Number:

Title: 409 N. Jackson (Army Cooper)

Computed by: DF Checked by:

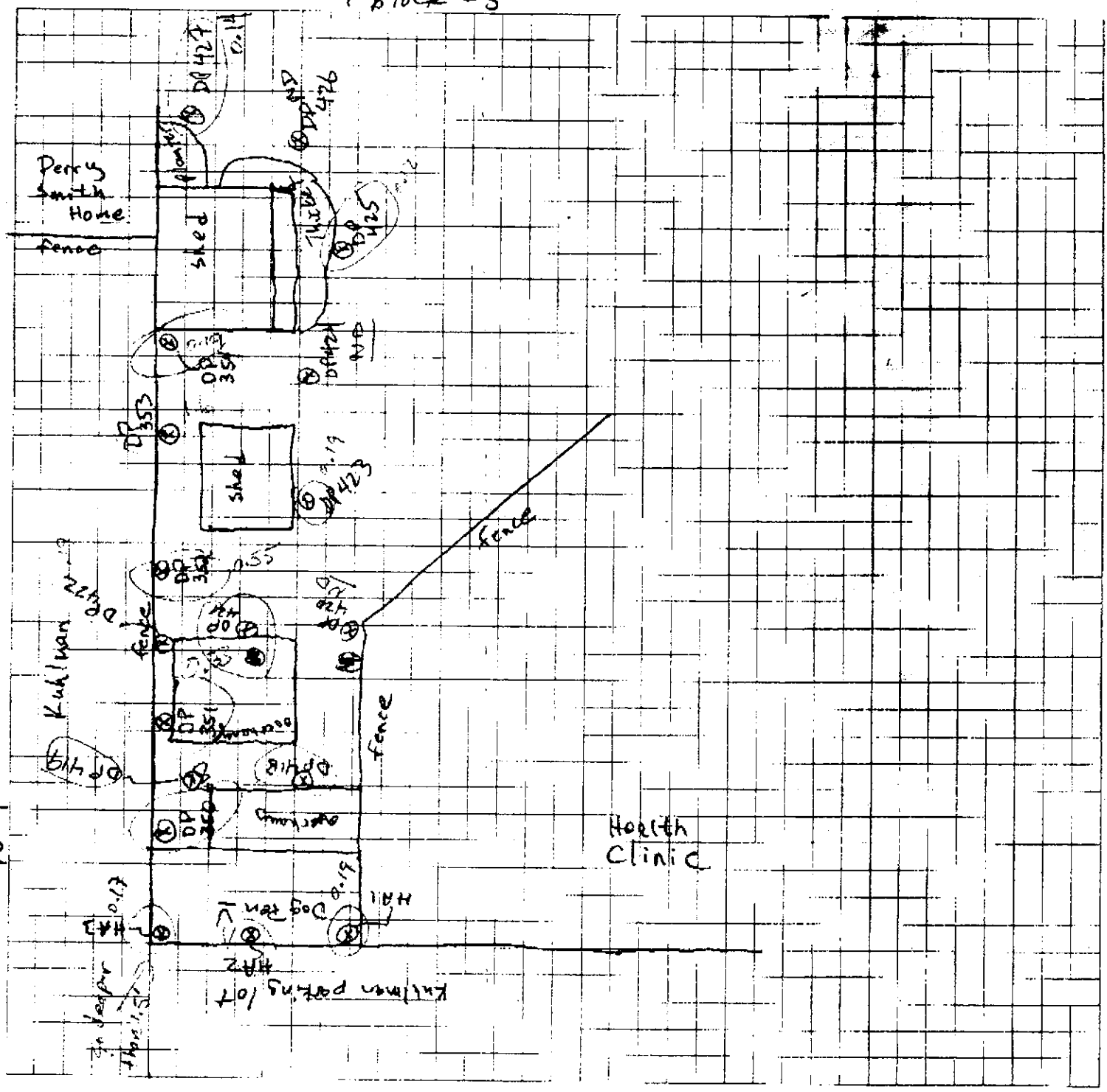
Date: 8-9-00 Sheet: 8 Of: 11



OGDEN

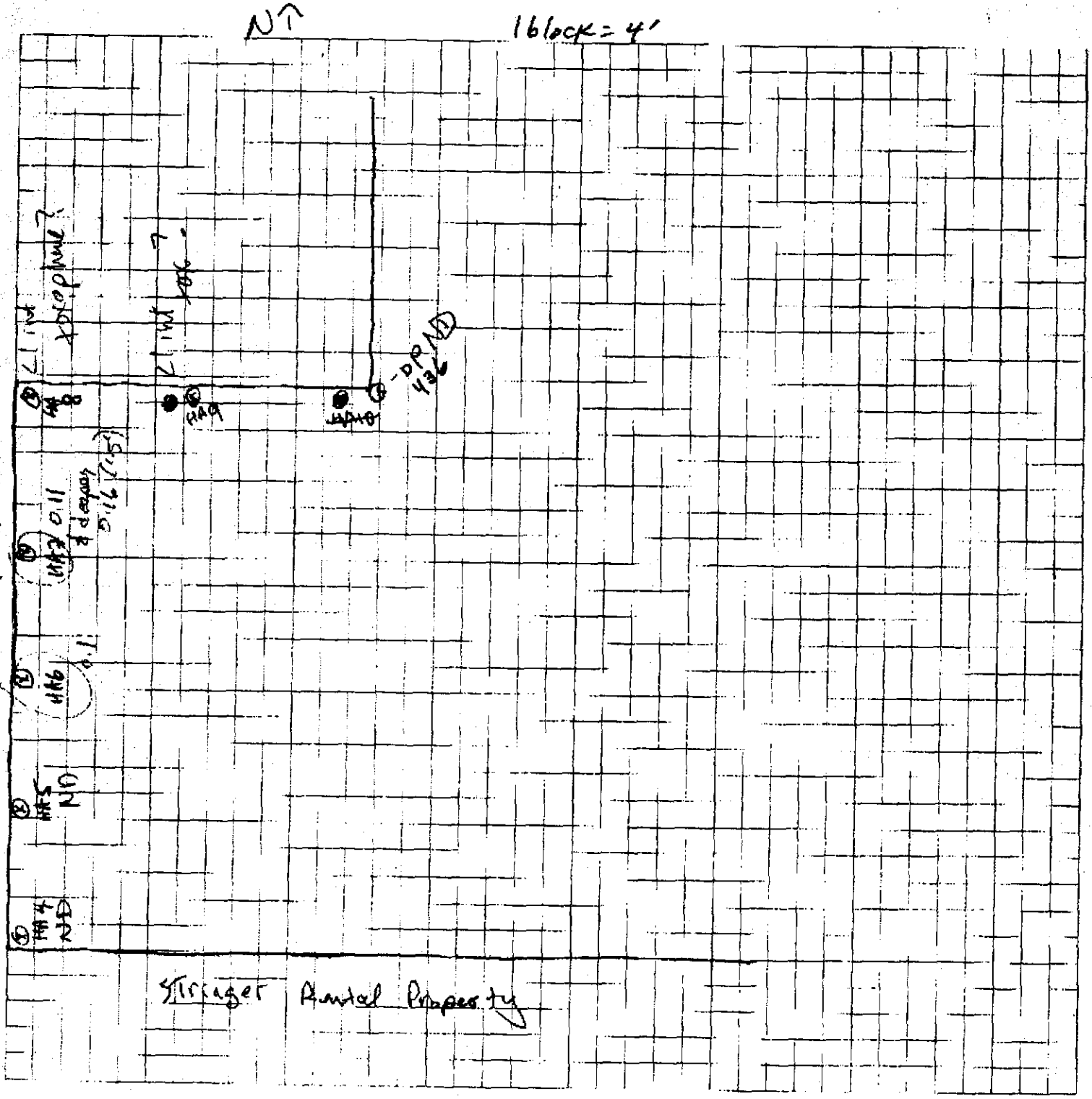
Job Name: Crystal Springs
Job Number:
Title: Dabney Home - Perry
Computed by: TJF
Date: 8-17-00
Sheet: 9 Of: 11

1 block = 5'



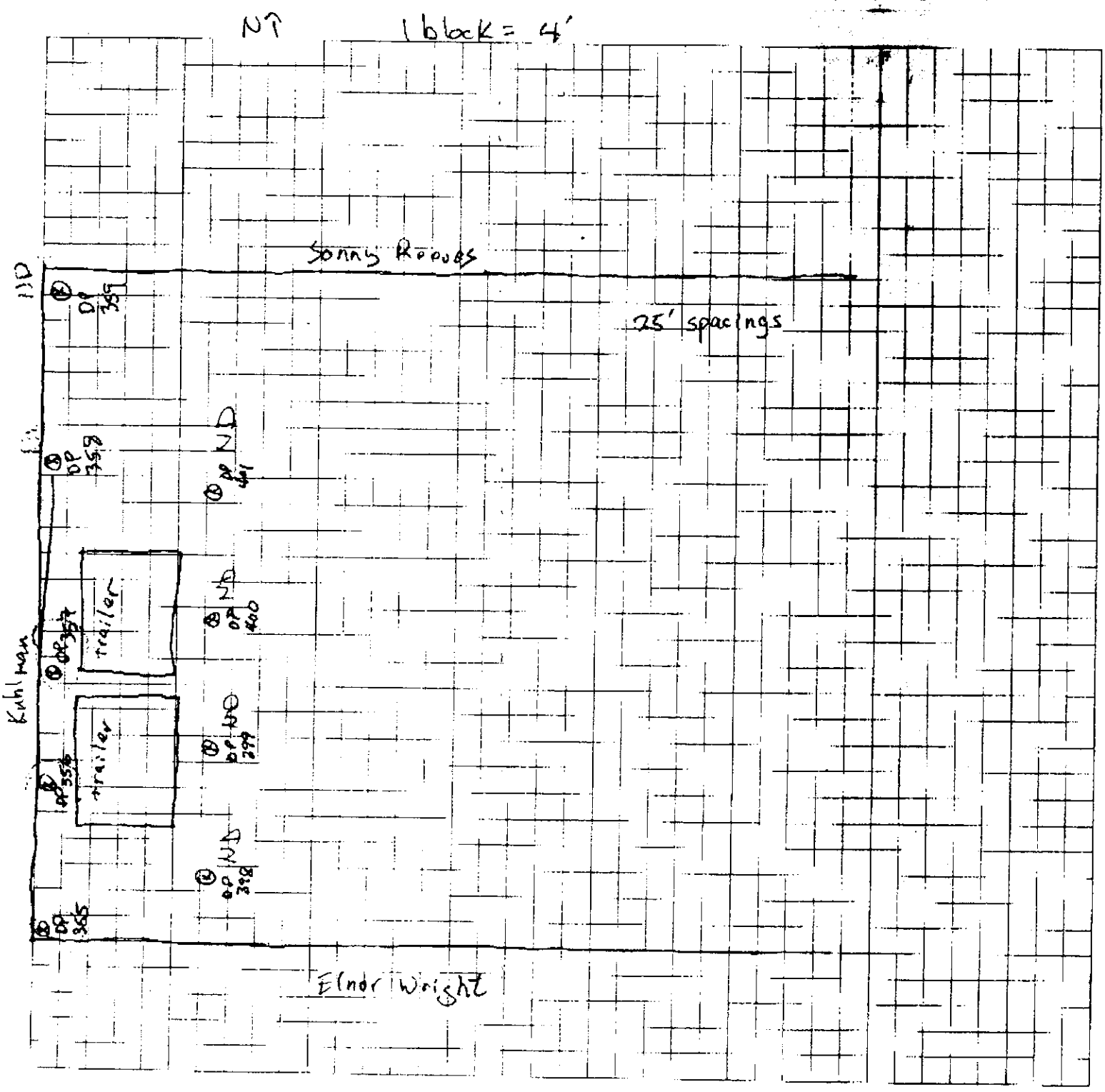
OGDEN

Job Name: Crystal Springs
Job Number:
Title: Wright House
Computed by: Checked by:
Date: 8-18-00 Sheet: 10 Of: 11



OGDEN

Job Name: Crystal Springs
Job Number:
Title: Herald & Suzanne Worker
Computed by: TJF
Checked by:
Date: 8-18-00
Sheet: 12 of 11



OGDEN

Job Name:
Job Number:
Title:
Computed by: Checked by:
Date: Sheet: Of:

FILE COPY

Fax Coversheet

To: Gretchin Zmitrovich
MDEQ

19 pages total

From: Tim Fitzpatrick
Ogden Environmental

Re: Crystal Springs Data Summary

Ms. Zmitrovich:

Following is all the data available as of 5:30 PM on Friday Aug 18. The mob. lab had autosampler malfunctions the previous two nights and are thus still somewhat behind. We will be working through the weekend and you can reach me on my cell at 704-236-3496 if you like.

Best Regards,

Tim Fitzpatrick

Sample Tracking Form

Date: 16AU00

Sample Description		ACID		ACID		ACID								ACID		ACID		ACID						
Target Analyte	DP300 0.5 #4	DP300 4 5	DP301 0.5 6	DP301 4 7	DP302 0.5 8	DP302 4 9	DP303 0.5 10	DP303 40 11	DP304 0.5 12	DP304 4 13	DP305 0.5 14	DP305 4 15	DP306 0.5 16	DP306 4 17	DP307 0.5 18	DP307 4 19	DP308 0.5 20	DP308 4 21	DP309 0.5 22	DP309 4 23	Blank #2	LCS #2	8 MS #	8 MSD #
1,3,5-TrCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	99	145	146
1,2,4-TrCB																						99	141	142
1,2,3-TrCB																						99	140	141
1,2,3,5&1,2,4,5																						102	141	143
1,2,3,4-TeCB																						102	139	141
Penta-CB																						106	138	140
Hexa-CB																						107	135	136/137
PCB as 1260	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.29	<0.10	0.66	<0.10	<0.10	<0.10	0.16	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	103	131	136/133
Surrogate TCMX	99.6	105	129	104	135	106	137	111	102	85.1	131	97.0	104	91.8	139	118	137	108	137	104	111	104	135	136
DCBP	87.5	100	96.9	101	125	115	130	109	87.9	83.9	129	99.4	101	95.0	140	116	133	107	132	103	111	107	130	130
	TRACE 1260					3 ONES by TCB					TWO OFFSCALE U2 PEAKS AFTER HCB LOOKS LIKE ~~1242~~ ~~1260~~ 1248? 1260		TRACE 1260						TRACE 1260					

J = Estimated

E = Exceeds calibration range

Sample Tracking Form

Date: Aug 14, 2000

DP310

Target Analyte	DP310 0.5 24	DP310 4 25	DP311 0.5 26	311 4 27	312 0.5 28	312 4 29	313 0.5 30	313 4 31	314 0.5 32	314 4 33	315 0.5 34	315 4 35	316 0.5 36	316 4 37	317 0.5 38	317 4 39	318 0.5 40	318 4 41	319 0.5 42	319 4 43	~~30~~ Blank #3	~~30~~ LCS #3	MS #30	MSD #30
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	97.4	100	104
1,2,4-TriCB																						98.0	101	105
1,2,3-TriCB																						97.0	100	105
1,2,3,5&1,2,4,5																						99.5	103	107
1,2,3,4-TeCB																						99.4	103	107
Penta-CB																				√	√	101	106	108
Hexa-CB	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√			103	108	109
PCB as 1260	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	~~0.33~~ 0.12	<0.10	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	100	112	107
Surrogate rec%	101	83.8	96	74	111	93	110	107	112	99	134	107	127	98.0	107	103	109	102	106	112	104	100	103	107
DCBP	115	102	91	79	103	106	109	114	112	105	128	112	129	101	106	107	106	111	108	120	112	107	109	107
			TRACE 1260		TRACE 1260										TRACE 1248 or 1254		TRACE 1260							

J = Estimated
E = Exceeds calibration range

Sample Tracking Form

Date: 16 AUG 2000

Target Analyte	ACID 320 0.5 #41	320 4 #45	ACID 321 0.5 #46	321 2 #47	321 4 #48	322 0.5 #49	322 4 #50	323 0.5 #51	323 4 #52	324 0.5 #53	324 4 #54	Blank #4	LCS #4	MS #44	ACID MSD #44
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	104	150	147
1,2,4-TriCB													104	147	145
1,2,3-TriCB													104	145	143
1,2,3,5&1,2,4,5													103	147	145
1,2,3,4-TeCB													104	143	141
Penta-CB													105	143	141
Hexa-CB												V	102	140	138
PCB as 1260	0.28	<0.10	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.25	<0.10	<0.10	102	161	~~137~~ 116
Surrogate TCMX	141	112	134	107	93.7	103	105	106	104	99.6	102	111	101	139	133
DLBP	155	117	137	111	105	110	116	109	113	104	107	122	104	147	149
			OZ PEAK BY UNKNOWN					TRACE 1260							

J = Estimated
E = Exceeds calibration range

601 8926496

Sample Tracking Form

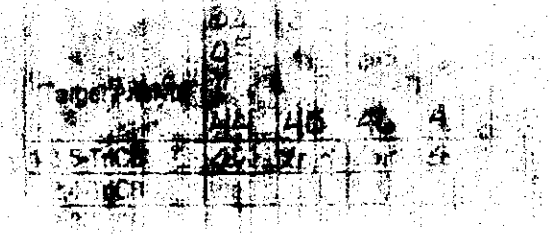
PHASE 1-2 OIL 1-5

Page 1 of 3

Date: August 17 2000

Target Analyte	ACID 325 0.5 55	325 4 56	326 0.5 57	326 4 58	327 0.5 59	327 4 60	ACID 328 0.5 61	328 4 62	329 0.5 63	329 4 64	330 0.5 65	330 4 66	ACID 331 0.5 67	331 4 68	ACID 332 0.5 69	332 4 70	ACID 333 0.5 71	333 4 72	334 0.5 73	334 4 74	Blank #5	LCS #5	ACID MS #61	ACID MSD #61
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	99.8	149	152
1,2,4-TriCB																						99.4	149	150
1,2,3-TriCB																						98.4	147	148
1,2,3,5&1,2,4,5																						98.4	149	150
1,2,3,4-TeCB																						97.0	148	148
Penta-CB																						98.4	147	147
Hexa-CB																						96.8	141	141
PCB as 1260	0.99	<0.10	0.43	<0.10	0.45	<0.10	4.0	<0.10	0.69	<0.10	0.34	<0.10	0.52	<0.10		<0.10		<0.10	<0.10	<0.10	<0.10	108	120	122
Surrogate TCMX	143	103	109	104	109	109	145	104	103	108	107	107	132	104	133	100	137	103	104	105	103	97.4	147	143
DCBP	132	103	107	117	113	115	156	107	103	110	105	110	134	110	140	108	127	113	110	114	116	128	152	137
		TRACE 1260			02 Peak AT 2.789						02 PEAK AT 2.782					TRACE 1260			TRACE 1260					
INT. Date																					18	18	18	

J = Estimated



Sample Tracking Form

Page 2 of 2

Date: August 17, 2000

601 8926496; 601 8926496; KUHLMAN ELECTRIC CORPORA

Target Analyte	Sample Description: 335 0.5 (75)	335 4 (76)	336 0.5 4 (78) (77)	336 4 0.5 (77) (78)	337 0.5 (79)	337 4 (80)	338 0.5 (81)	338 4 (82)	339 0.5 (83)	339 4 (84)	340 0.5 (85)	340 4 (86)	341 0.5 (87)	341 4 (88)	342 0.5 (89)	342 4 (90)	343 0.5 (91)	343 4 (92)	344 0.5 (93)	344 4 (94)	Blank # 10	LCS # 10	1-20 MS # 75	MSD # 70
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									<0.01	<0.01	<0.01	<0.01	<0.01	97.6	148	146
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓									↓	↓	↓	↓	↓	98.6	146	145
1,2,3-TriCB																						98.2	144	143
1,2,3,5&1,2,4,5																						97.9	146	144
1,2,3,4-TeCB																						97.6	144	142
Penta-CB																						98.6	144	142
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓									↓	↓	↓	↓	↓	97.8	139	138
PCB as 1260	0.32	<0.10	<0.10	0.74	0.12	<0.10	0.75	<0.10									0.12	<0.10	0.17	<0.10	<0.10	97.0		134
Surrogate TCMX	128	107	105	111	110	103	139	110									102	99.3	104	103	100	98.2	141	140
DCBP	142	117	115	112	123	109	162	117									102	114	108	110	130	110	162	158
105 Data	18	18	18	18	18	18	16	16									18	18	18	18	18	18	18	18

ENT BY:

J = Estima

E = Exceed alibration range

Page 2 of 3

Sample Tracking Form

Date: 17AUG00

ACID — Sample Description

Target Analyte	345 0.5 95	345 4 96	346 0.5 97	346 4 98	347 0.5 99	347 4 100	348 0.5 101	348 4 102	349 0.5 103	349 4 104	Smpl 15 105	Smpl 5.5 106	350 0.5 107	350 4 108	351 0.5 109	351 4 110	352 0.5 111	352 4 112	353 0.5 113	353 4 114	Blank #7	LCS #7	MS #95	MSD #95
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01									<0.01	98.2	88.8	96.6
1,2,4-TriCB																						98.4	85.8	96.2
1,2,3-TriCB																						97.2	87.6	96.0
1,2,3,5&1,2,4,5																						99.0	92.1	97.3
1,2,3,4-TeCB																						96.5	91.0	96.8
Penta-CB																						97.5	98.2	97.6
Hexa-CB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓										100	101	102
PCB as 1260	<0.10	<0.10	0.31	<0.10	0.13	<0.10	0.22	<0.10	0.61	<0.10		<0.10									<0.10	104	110	98.9
Surrogate TCMX	106	99.9	99.3	98.7	98.7	99.6	94.5	95.4	122	90.0		89.8									114	98.3	94.9	99.8
DCBP	108	108	100	112	107	111	104	107	137	106		113									128	114	103	90.9
	TIME 1160							UK #	UI PEAK AFTER MARKER															
5 Date	18	18	18	18	18	18			18	18		18									18 17	18	18	18

J = Estin[illegible]

AUGUST 00

NT BY: KUHLMAN ELECTRIC CORPORATION;

Sample Tracking Form

Date: 18 Aug 00

ACID ACID ACID ACID ACID ACID

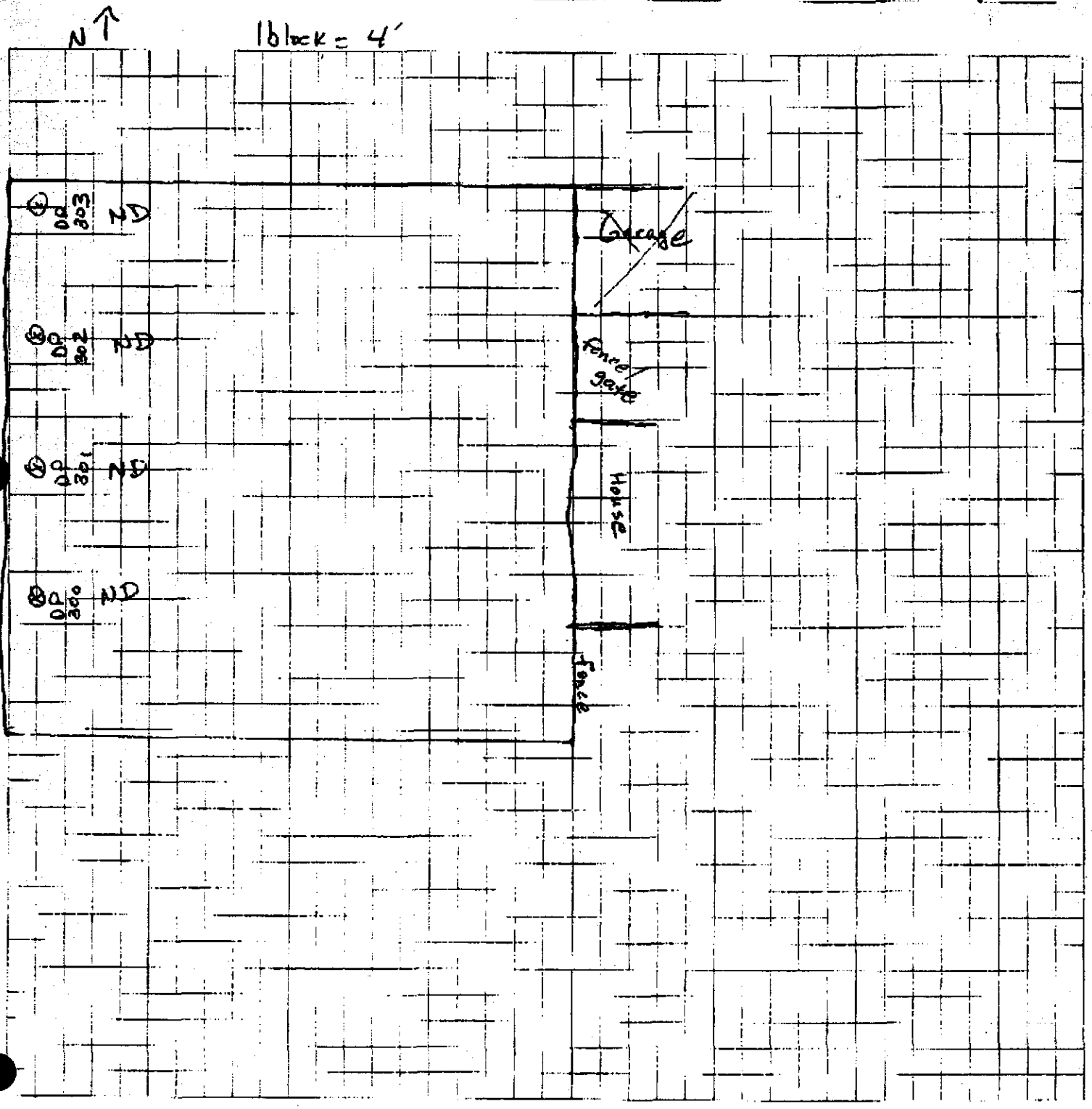
Sample Description

Target Analyte	350 0.5 107	350 4 108	351 0.5 109	351 4 110	352 0.5 111	352 4 112	353 0.5 113	353 4 114	354 0.5 115	354 4 116	HA-1 0.5 117	1 4 118	2 0.5 119	2 4 120	3 0.5 121	3 1.5 122	4 0.5 123	4 2.5 124	5 0.5 125	5 2.5 126	Blank # 8	LCS # 8	MS # 107	MSD # 107
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01																	140	137
1,2,4-TriCB																							135	135
1,2,3-TriCB																							133	131
1,2,3,5&1,2,4,5																							133	131
1,2,3,4-TeCB																							126	124
Penta-CB																							124	121
Hexa-CB	✓	✓	✓	✓	✓	✓																	124	122
PCB as 1260	1.8	<0.10	0.33	<0.10	0.55	<0.10																	121	~~117~~ 124
Surrogate TCMX	104	100	96.1	96.4	101	100																	124	117
DCBP	116	114	108	116	114	105																	138	129
INJ Dat	18	18	18	18	18	18																	18	18

J = Estim

OGDEN

Job Name: Crystal Springs-
Job Number:
Title: Sonny Reeves backyard 405 Jackson
Computed by: Checked by:
Date: 8/16 2000 Sheet: 1 Of: 11



OGDEN

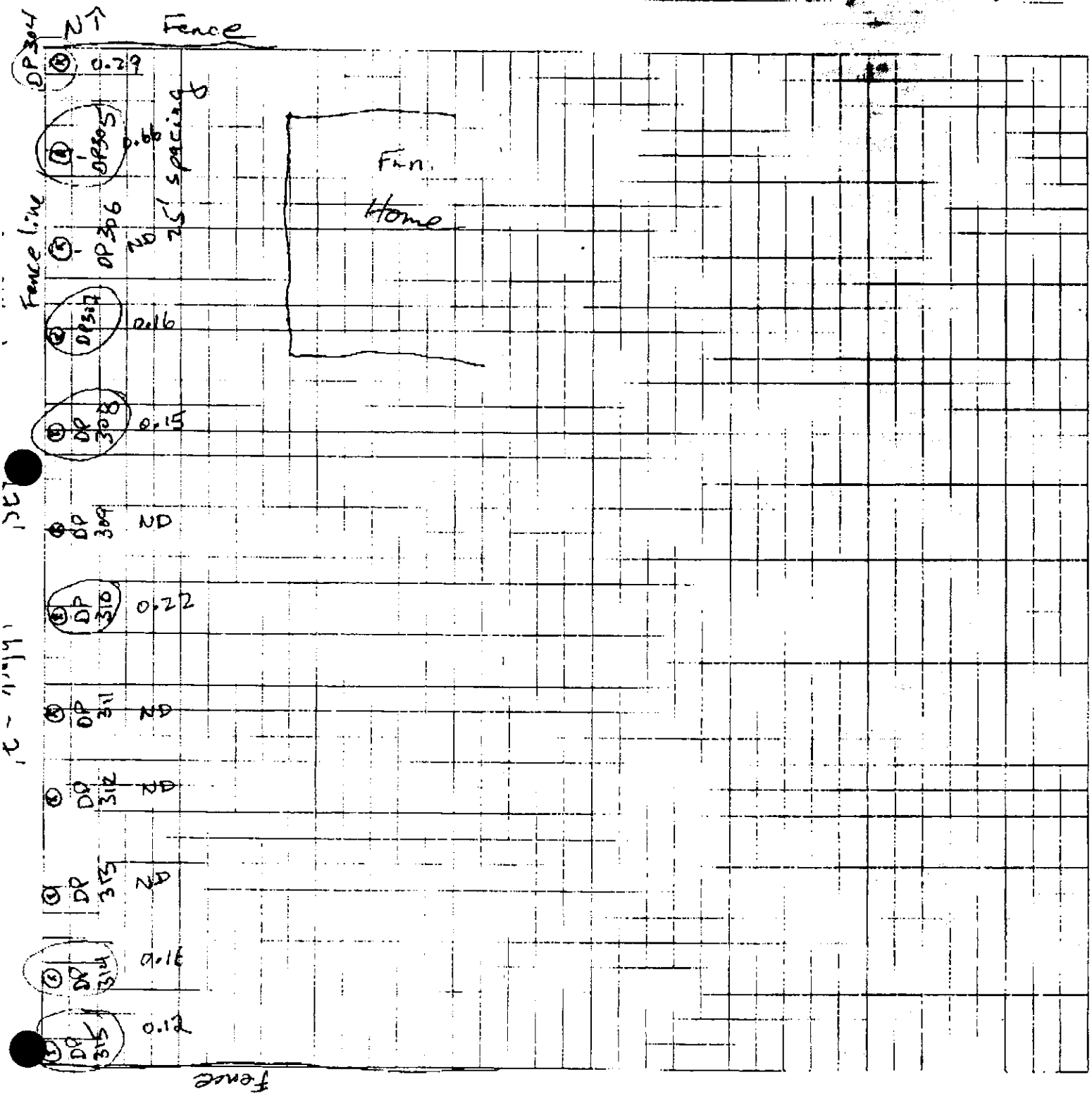
Job Name: Crystal Springs

Job Number:

Title: Stringer Funeral Home

Computed by: Checked by:

Date: Sheet: 2 Of: 11



OGDEN

Job Name: Crystal Springs

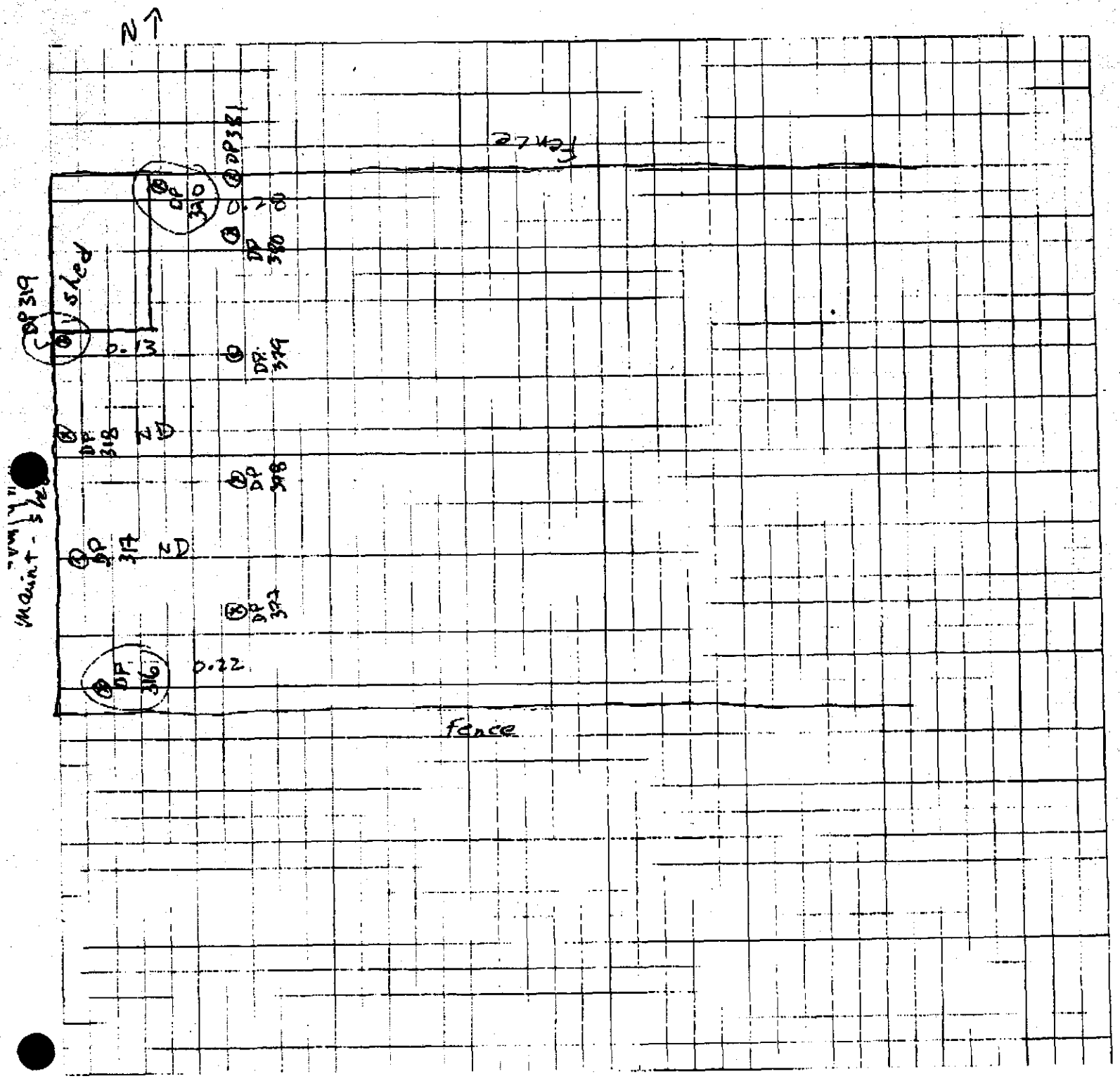
Job Number:

Title: 401 N. Jackson Elnor Wright

Computed by: Checked by:

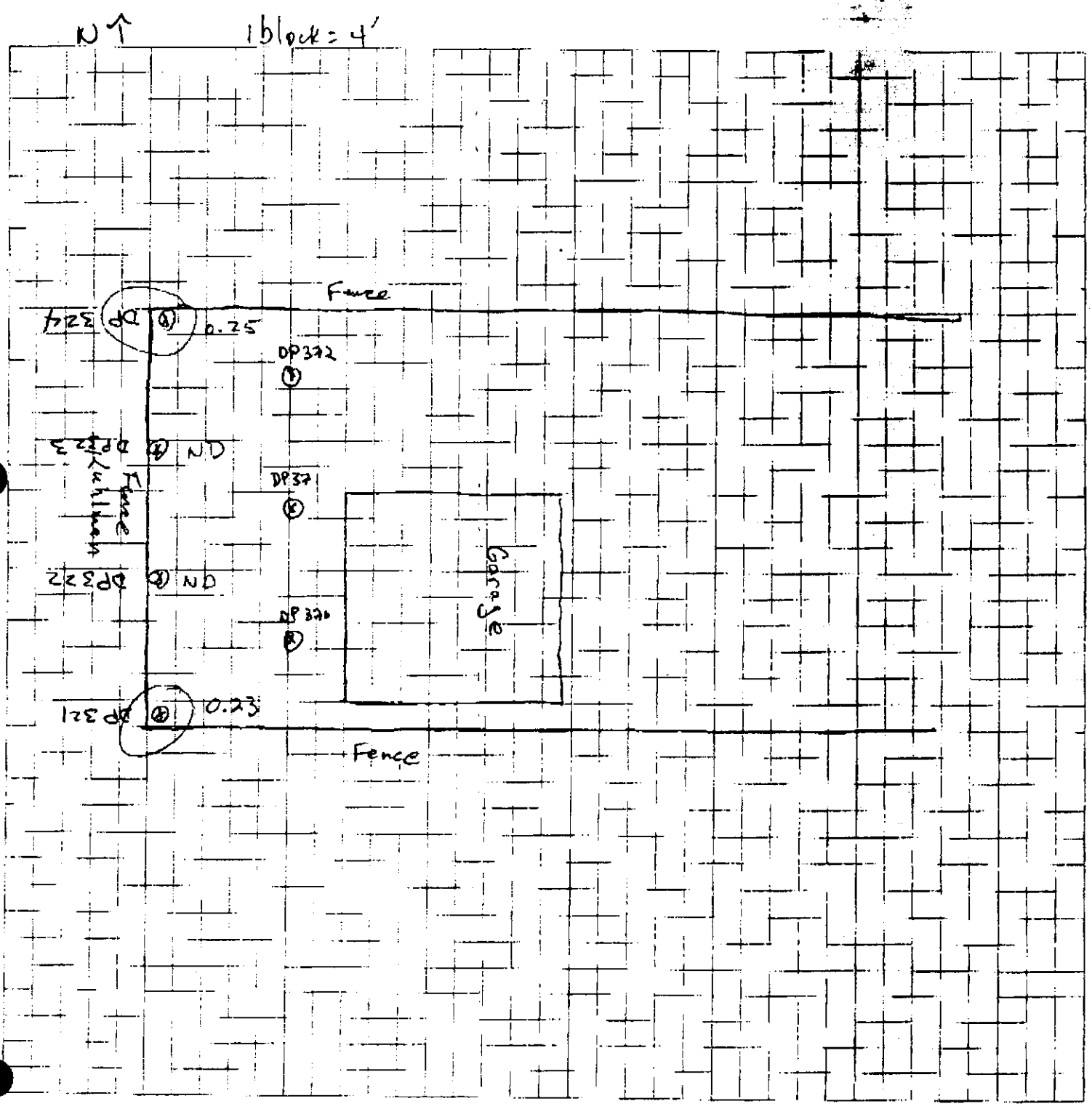
Date: 8-16-2000 Sheet: 3 Of: 11

1 block = 4'



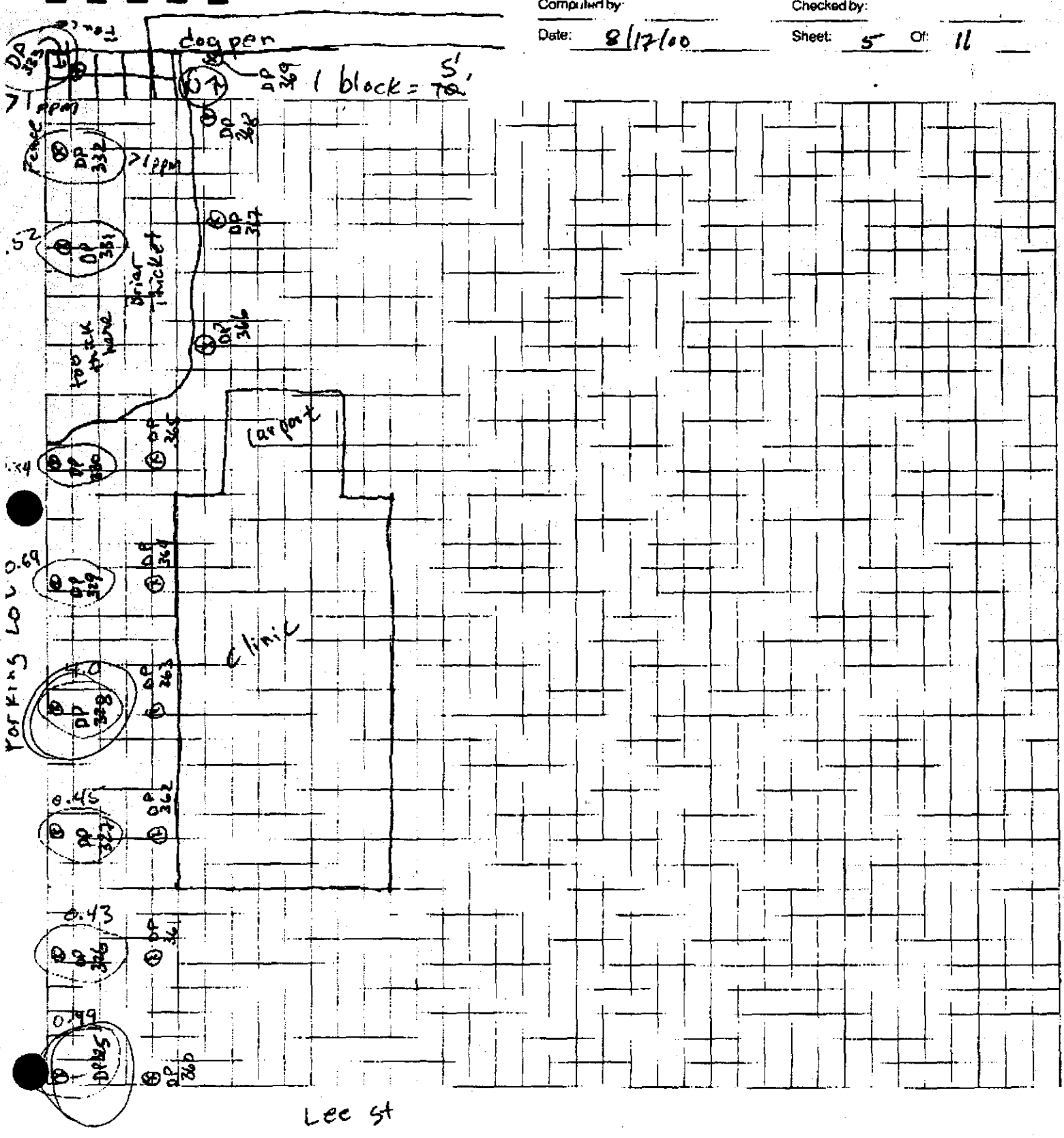
OGDEN

Job Name: Crystal Springs
Job Number:
Title: 407 N. Jackson Ave Long
Computed by:
Date: 8-16-00 Sheet 4 of 11



OGDEN

Job Name: Crystal Springs
Job Number:
Title: Lee St. Medical
Computed by: Checked by:
Date: 8/17/00 Sheet: 5 Of: 11



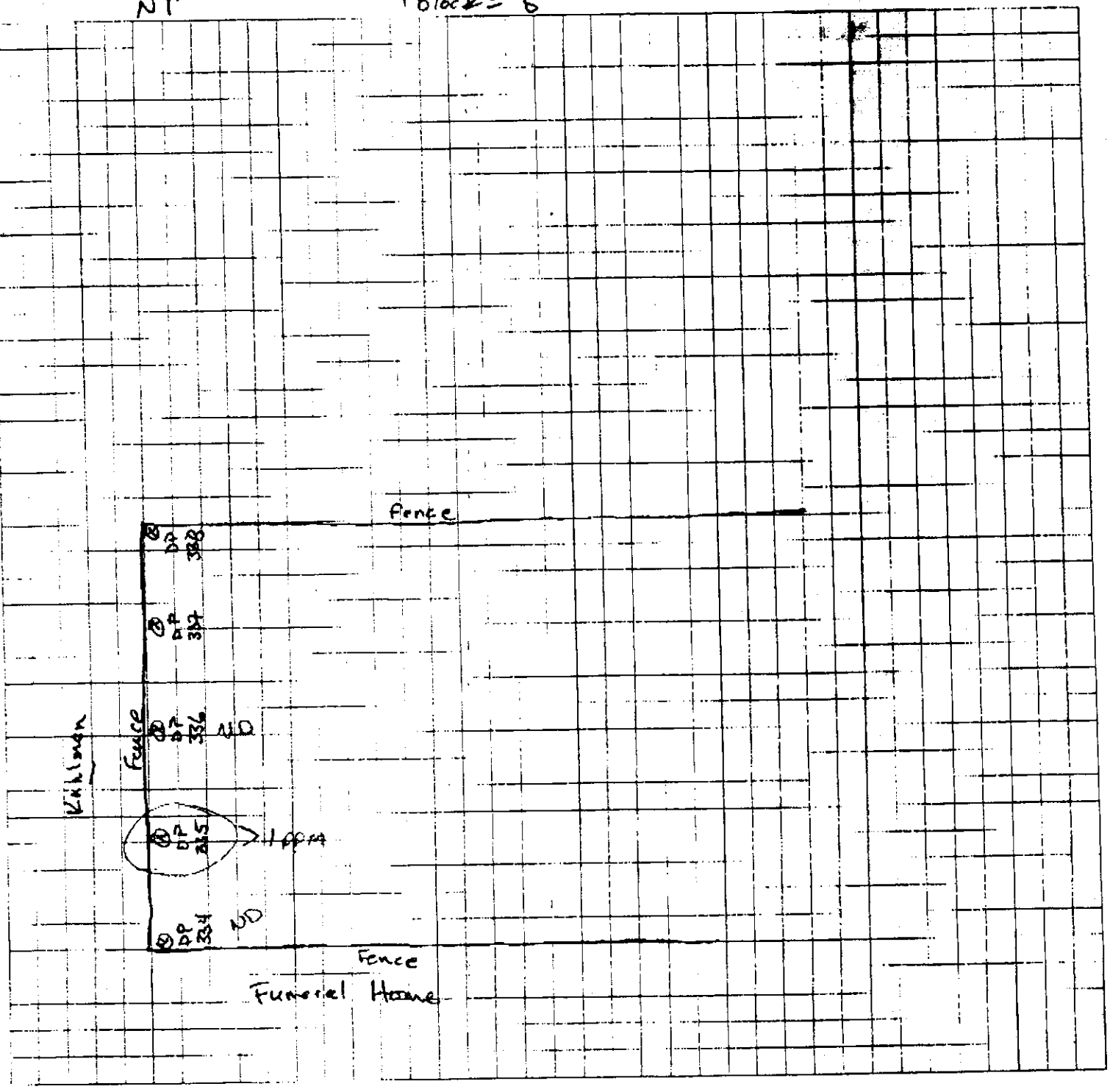
601 8926496

OGDEN

Job Name: Crystal Springs
Job Number:
Title: 303 N. Jackson (Stillwater)
Computed by: Checked by:
Date: 8-17-00 Sheet: 4 of: 11

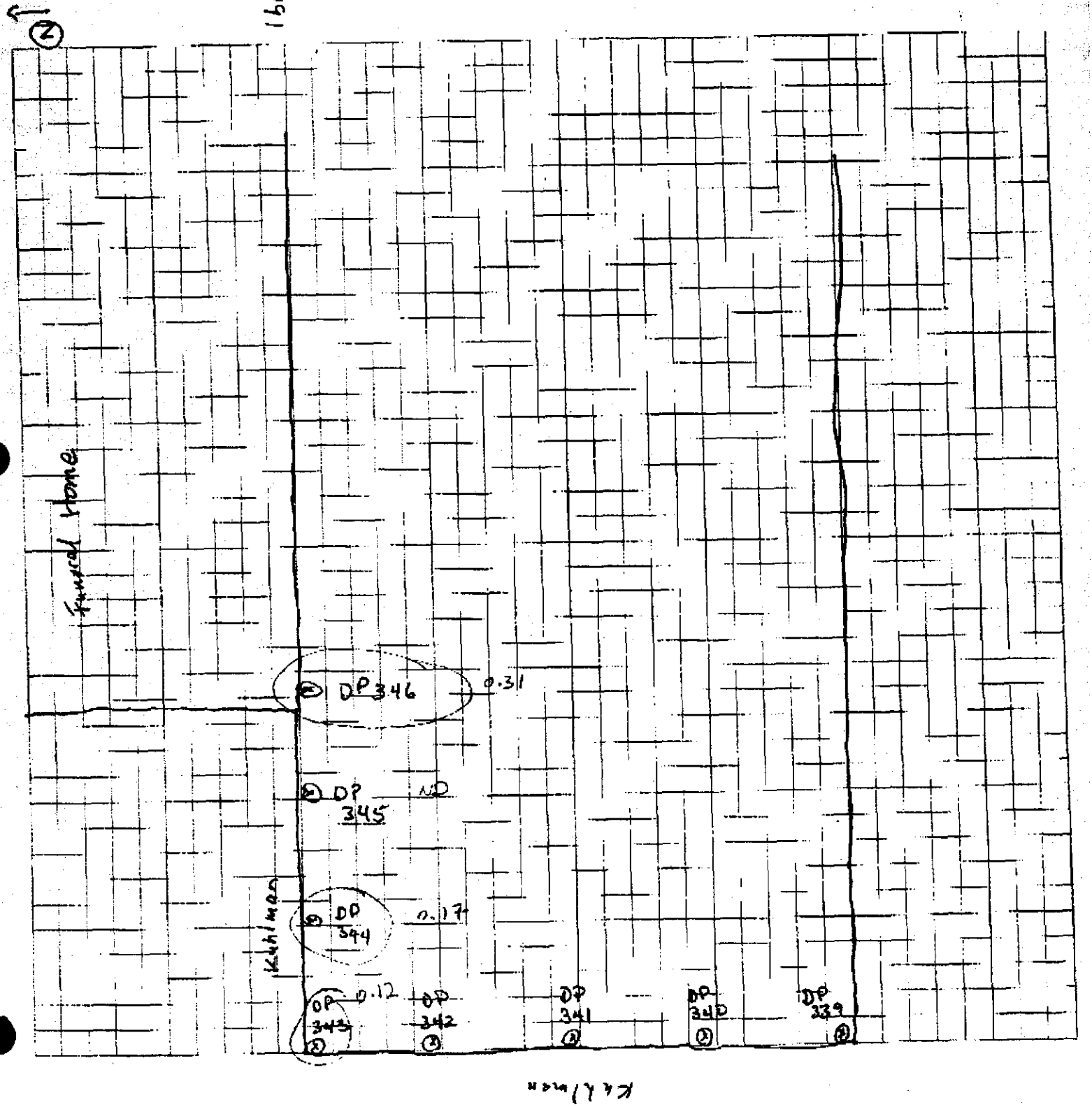
NT

1 block = 5'



OGDEN

Job Name: Crystal Springs
Job Number:
Title: 219 N - Jackson - Perry Smith
Computed by: TJF
Checked by:
Date: 8-17-00
Sheet: 7 Of: 11



601 8926496

OGDEN

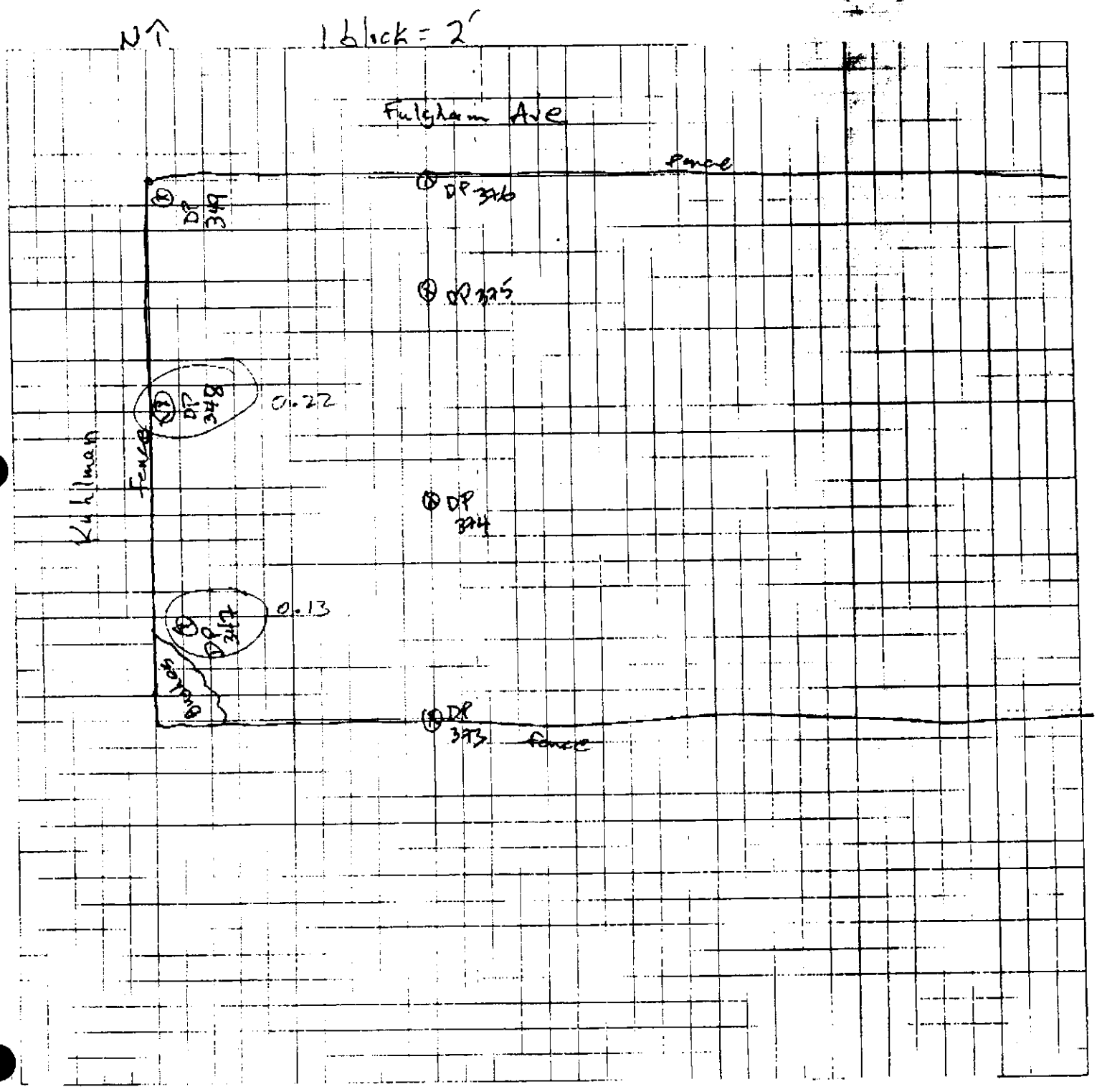
Job Name: Crystal Springs

Job Number:

Title: 409 N. Jackson - (Abby Cooper)

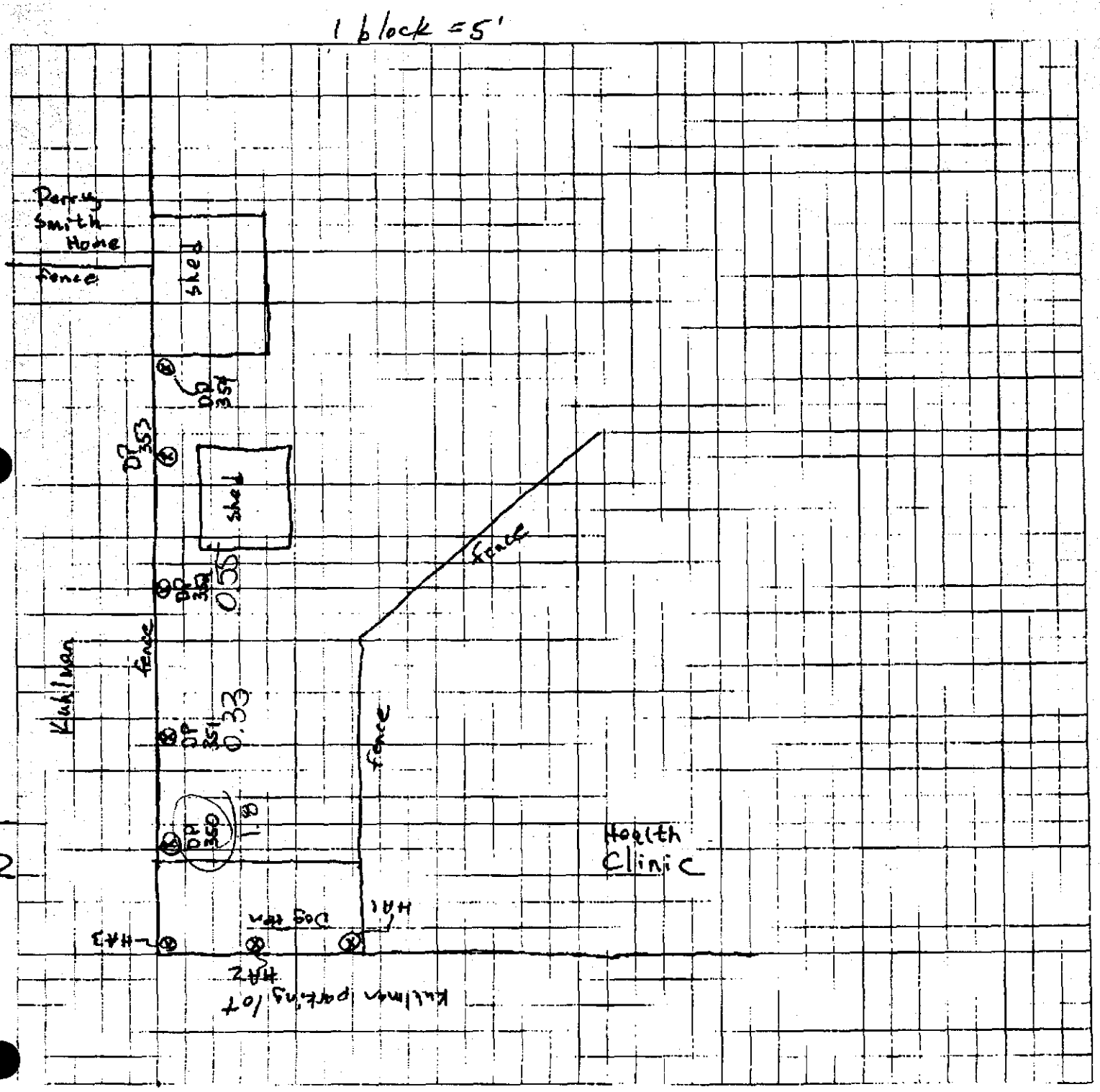
Computed by: DF Checked by:

Date: 8-17-00 Sheet 2 of: 11



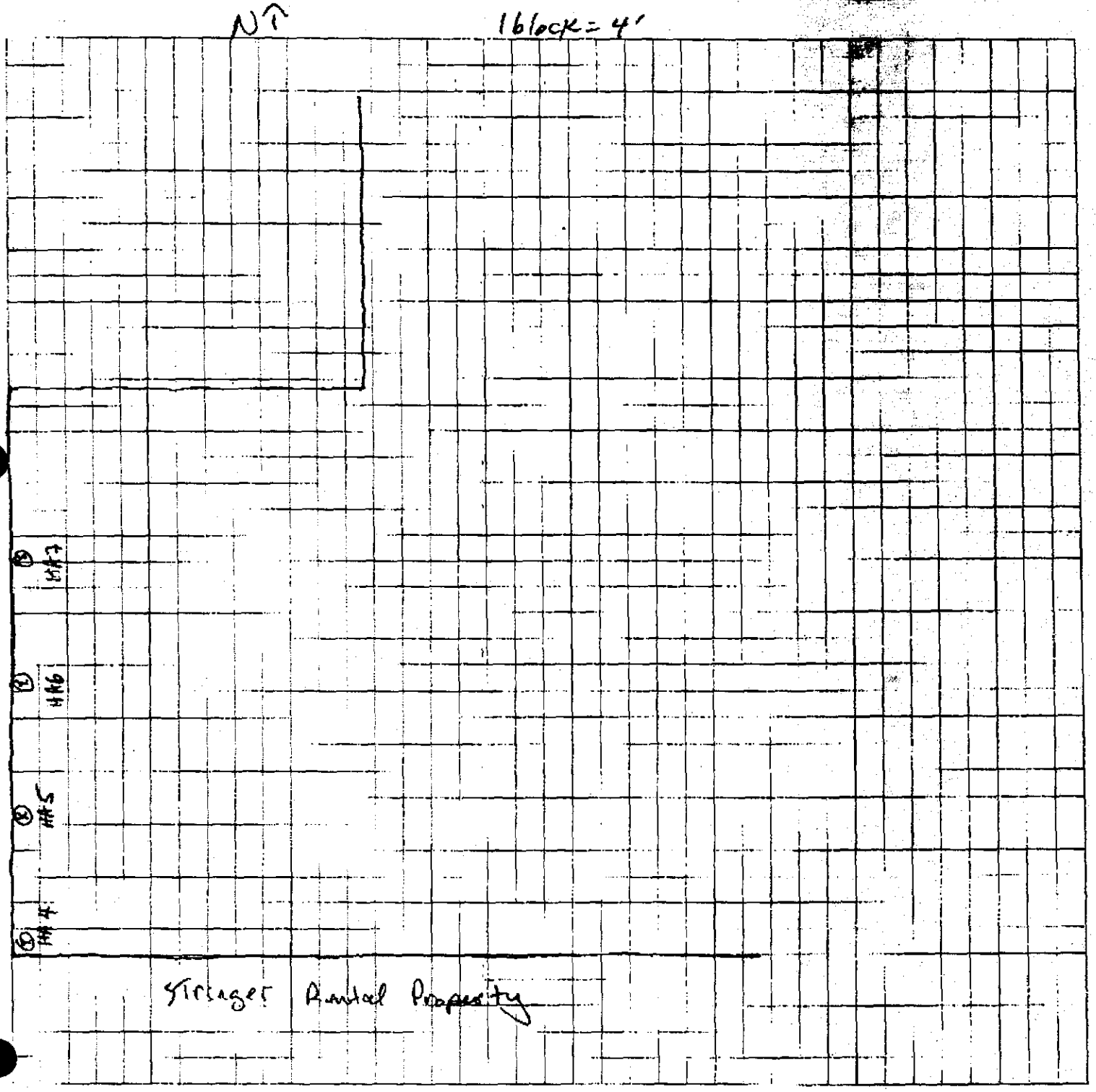
OGDEN

Job Name: Crystal Springs
Job Number:
Title: Dabney Home
Computed by: TJE Checked by:
Date: 8-17-00 Sheet: 9 Of: 11



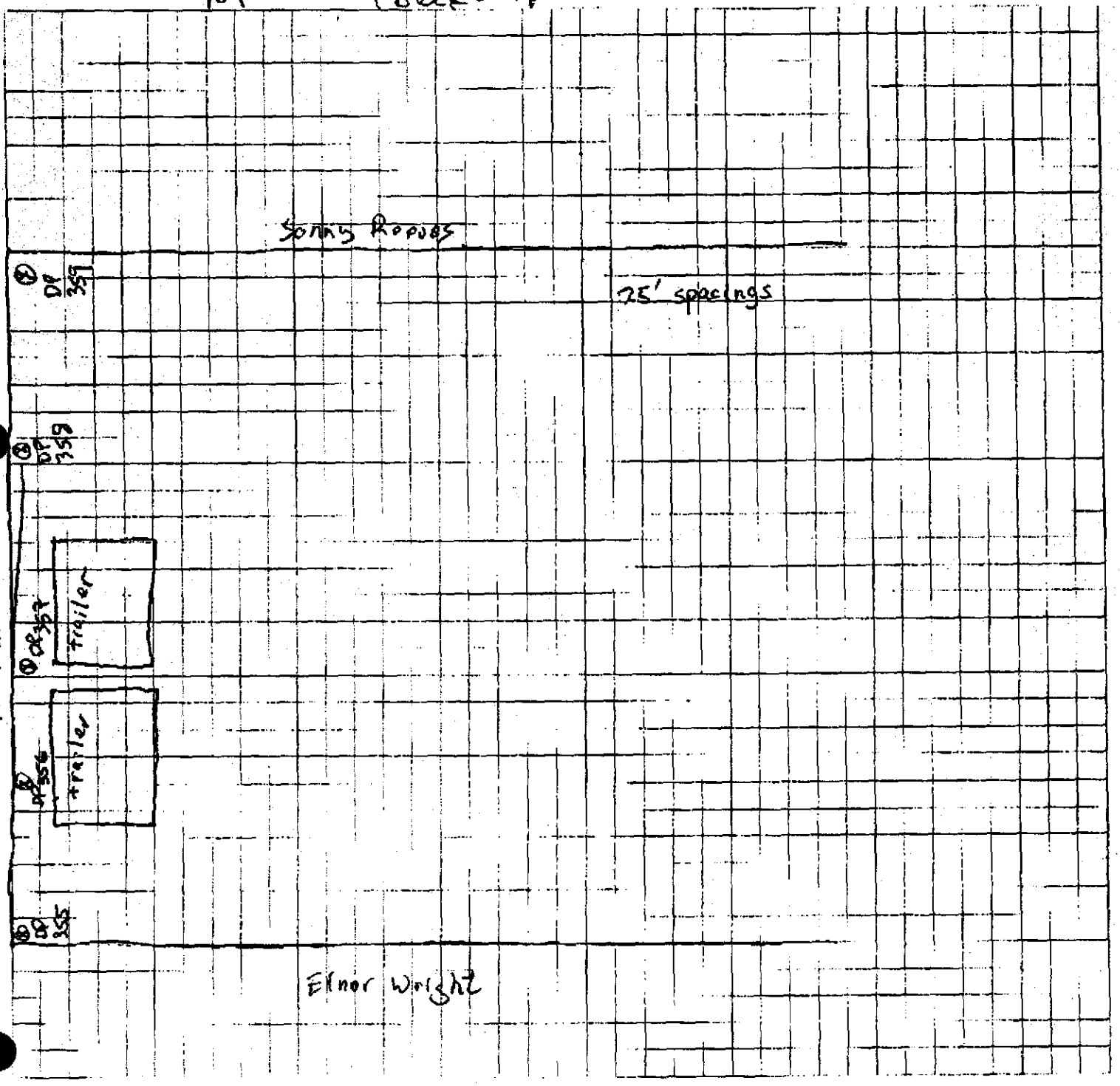
OGDEN

Job Name: Crystal Springs
Job Number:
Title: Wright House
Computed by:
Date: 8-18-00 sheet 10 of 11



OGDEN

Job Name: Crystal Springs
Job Number:
Title: Harold & Suzanne Wasson
Computed by: TJF Checked by:
Date: 8-18-00 Sheet: 11 Of: 11



OGDEN

Job Name:
Job Number:
Title:
Computed by:
Date:

FILE COPY

Checked by:
Sheet: of:

FAX COVER SHEET

To: Anastasia Hamel / Gretchin Zmitrovich.

From: Tim Fitzpatrick (704-336-3496)

Total pages including cover sheet: 10

— Ms. Hamel & Ms. Zmitrovich:

Following is all data available at this point w/ location maps. As stated, the mobile lab experienced troubles w/ their autosampler last night and as a result they are somewhat behind, but should be able to catch up by tomorrow A.M. - Please call me on my cell phone if I can help any further (number listed above).

Best Regards:

Tim Fitzpatrick

Sr. Environmental Chemist.

Page 2 of 3

Sample Tracking Form

Date: Aug 16 2000

Target Analyte	Sample Description																							
	PP310 0.5 24	PP310 4 25	DP311 0.5 26	311 4 27	312 0.5 28	312 4 29	313 0.5 30	313 4 31	314 0.5 32	314 4 33	315 0.5 34	315 4 35	316 0.5 36	316 4 37	317 0.5 38	317 4 39	318 0.5 40	318 4 41	319 0.5 42	319 4 43	~~20~~ Blank #3	~~30~~ LCS #3	MS #30	MSD #30
1,3,5-TriCB	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								<0.01	97.4	100	104
1,2,4-TriCB																						98.0	101	105
1,2,3-TriCB																						97.0	100	105
1,2,3,5&1,2,4,5																						99.5	103	107
1,2,3,4-TeCB																						99.4	103	107
Penta-CB																						101	106	108
Hexa-CB	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓								↓	103	108	109
PCB as 1260	0.22		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	~~0.37~~ 0.12	<0.10	0.22								<0.10	100	112	107
Surrogate recov.	101		96	74	111	93	110	107	112	99	134	107	127								104	100	103	107
DCBP	115		91	79	103	106	109	114	112	105	128	112	129								112	107	109	107
			THIS 1260		THIS 1260																			

J = Estima
E = Exce alibration range

601 8926496; KUHLMAN ELECTRIC CORPORA

Sample Tracking Form

Page 1 of 2

Date: 16 Aug 00

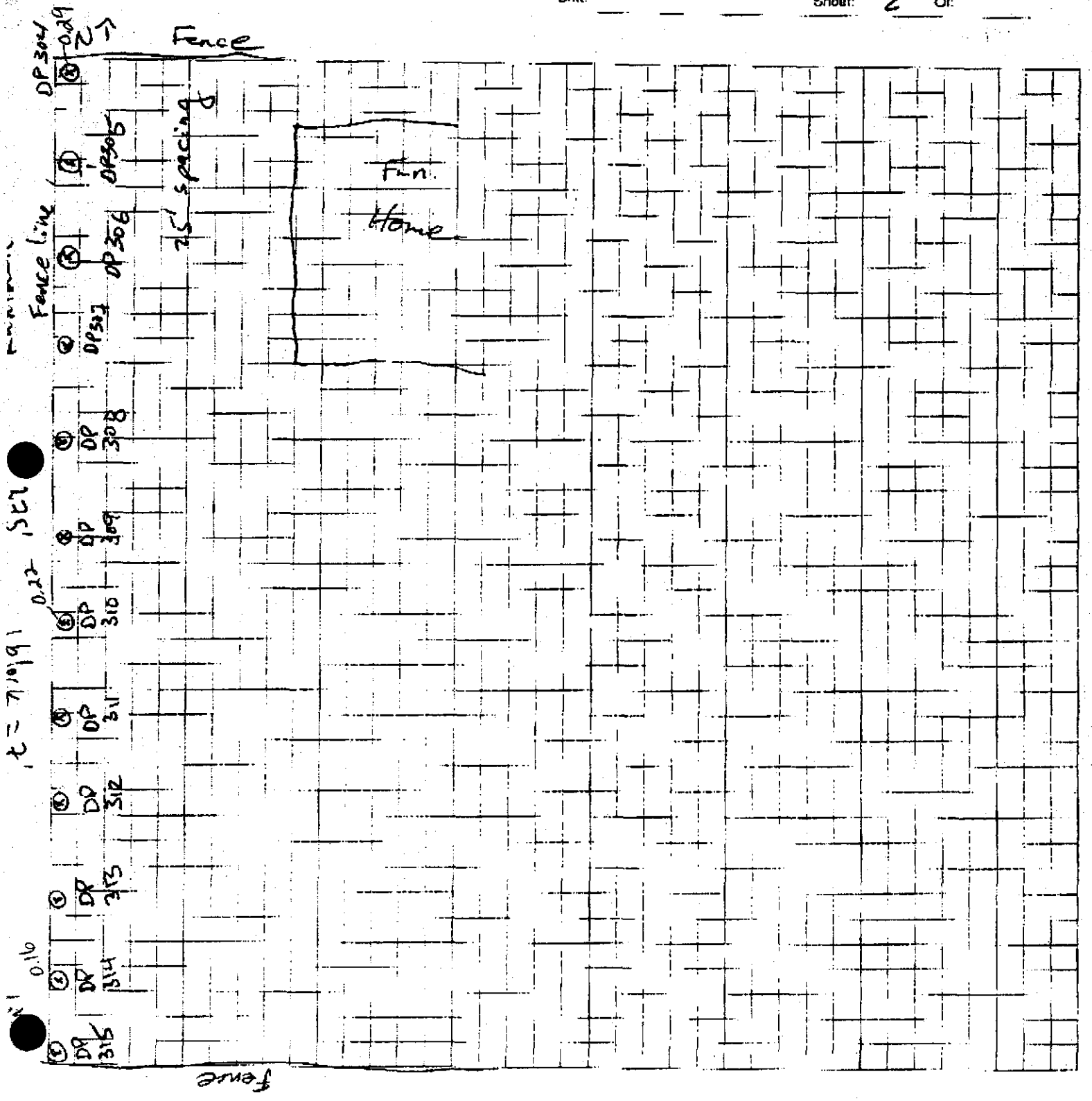
Target Analyte	DP300 0.5 4	DP300 4 5	DP301 0.5 6	DP301 4 7	DP302 0.5 8	DP302 4 9	DP303 0.5 10	DP303 4.0 11	DP304 0.5 12	DP304 4 13	DP305 0.5 14	DP305 4 15	DP306 0.5 16	DP306 4 17	DP307 0.5 18	DP307 4 19	DP308 0.5 20	DP308 4 21	DP309 0.5 22	DP309 4 23	Blank #2	LCS #2	8 MS #	8 MSD #
1,3,5-TriCB	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						<0.01		<0.01	<0.01	<0.01	<0.01	99	145	146
1,2,4-TriCB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓						↓		↓	↓	↓	↓	99	141	142
1,2,3-TriCB																						99	140	141
1,2,3,5&1,2,4,5																						102	141	143
1,2,3,4-TeCB																						102	139	141
Penta-CB																						106	138	140
Hexa-CB	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓						↓		↓	↓	↓	↓	107	135	136 137
PCB as 1260	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.29	<0.10						<0.10		<0.10	<0.10	<0.10	<0.10	103	131	136 133
Surrogate TCMX	99.6	105	129	104	135	106	137	111	102	85.1						118		108	137	104	111	104	135	136
DCBP	89.5	100	96.9	101	125	115	130	109	87.9	83.9						116		107	132	103	111	107	130	130
	TRACE 1260					3 COMES for TCMX													TRACE 1260					

J = Estimat

= Exceed alibration range

OGDEN

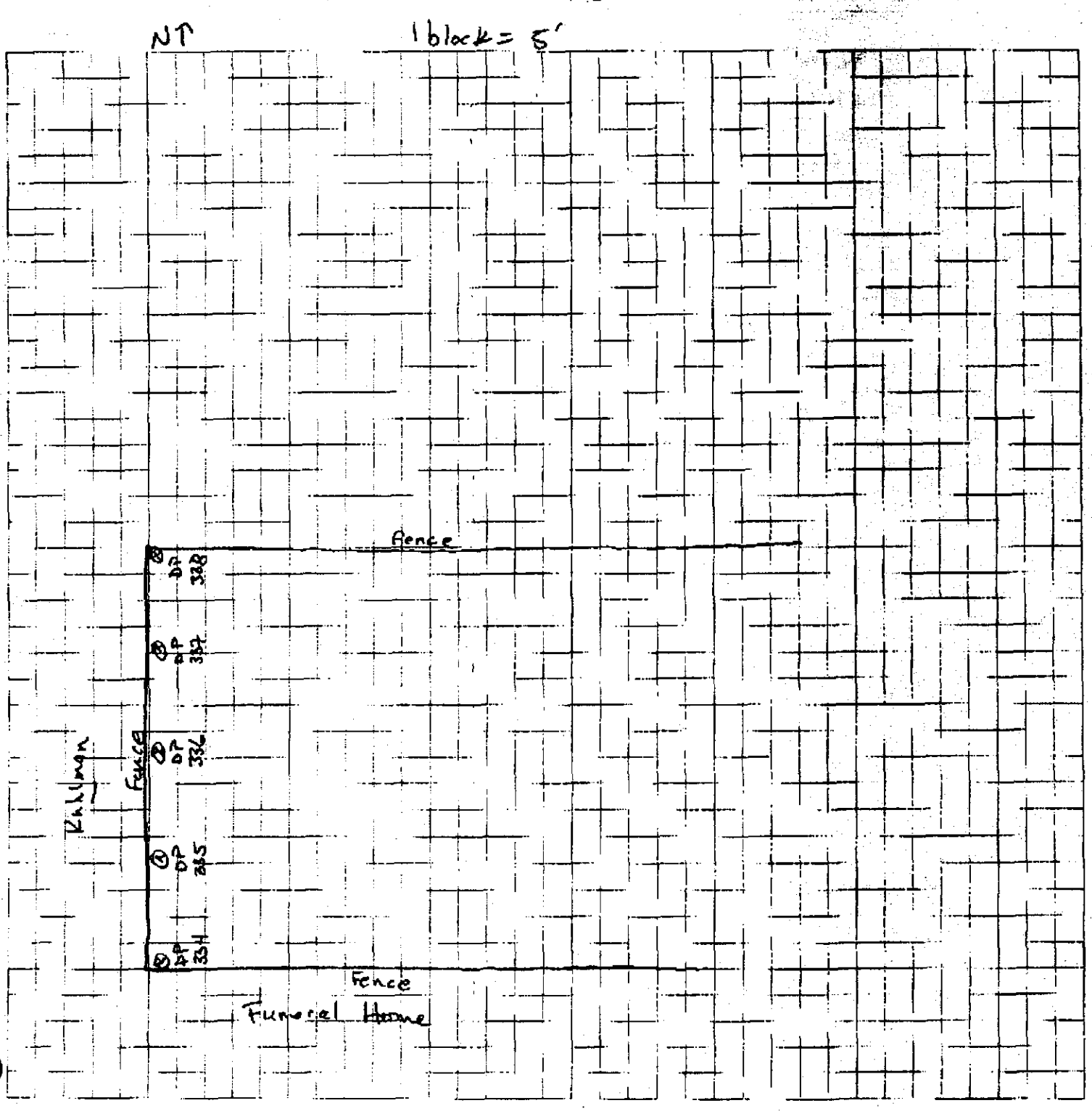
Job Name: Crystal Springs
Job Number:
Title: Stringer Funeral Home
Computed by: Checked by:
Date: Sheet: 2 Of:



14 5/8

OGDEN

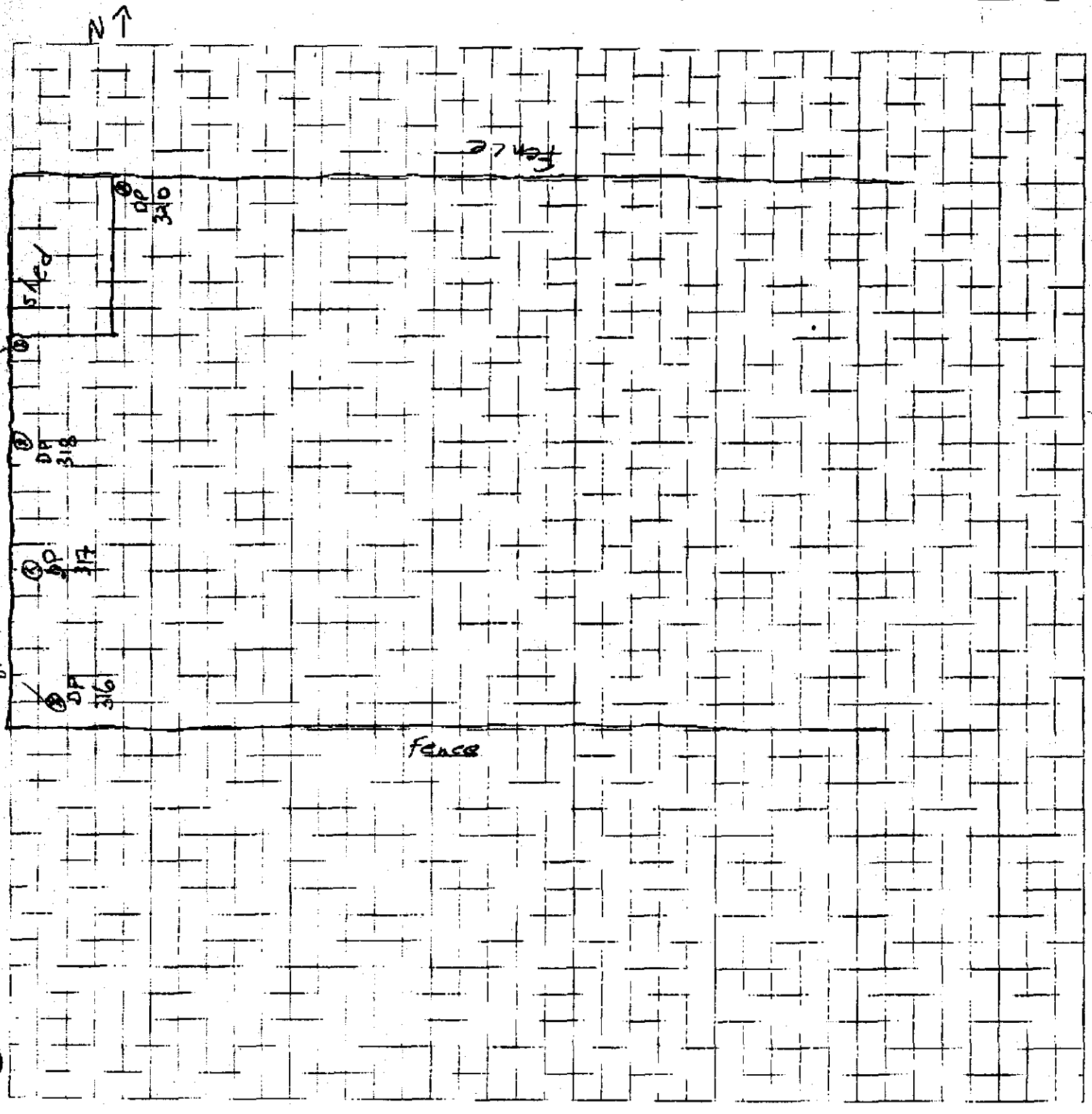
Job Name: Crystal Springs
Job Number:
Title: 303 N. Jackson (Stringer)
Computed by: Checked by:
Date: 8-17-00 Sheet: 6 Of:



OGDEN

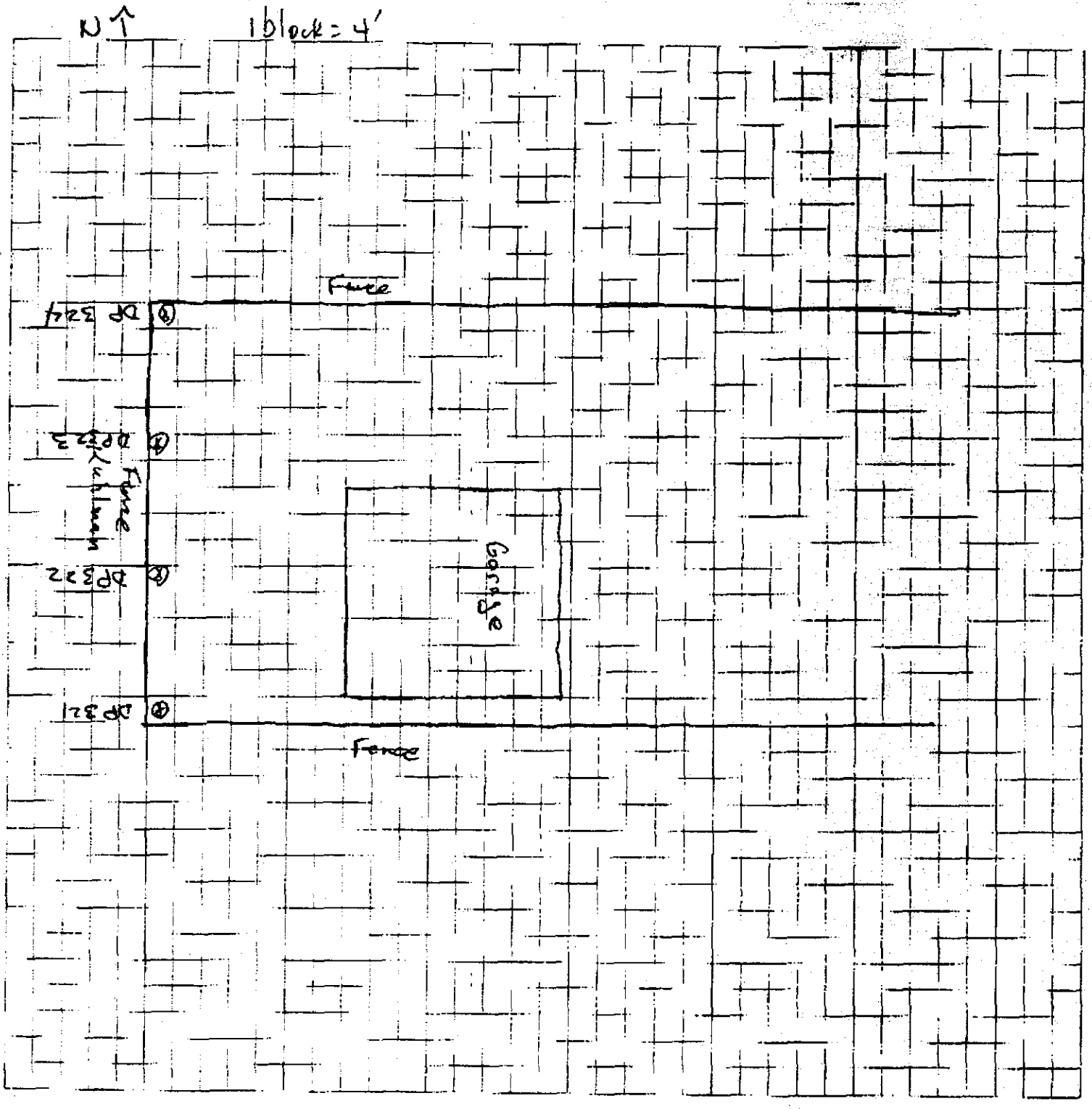
Job Name: Crystal Springs
Job Number:
Title: 401 N. Jackson Elmer Wright
Computed by: Checked by:
Date: 8-16-2000 Sheet: 3 Of:

1 block = 4'



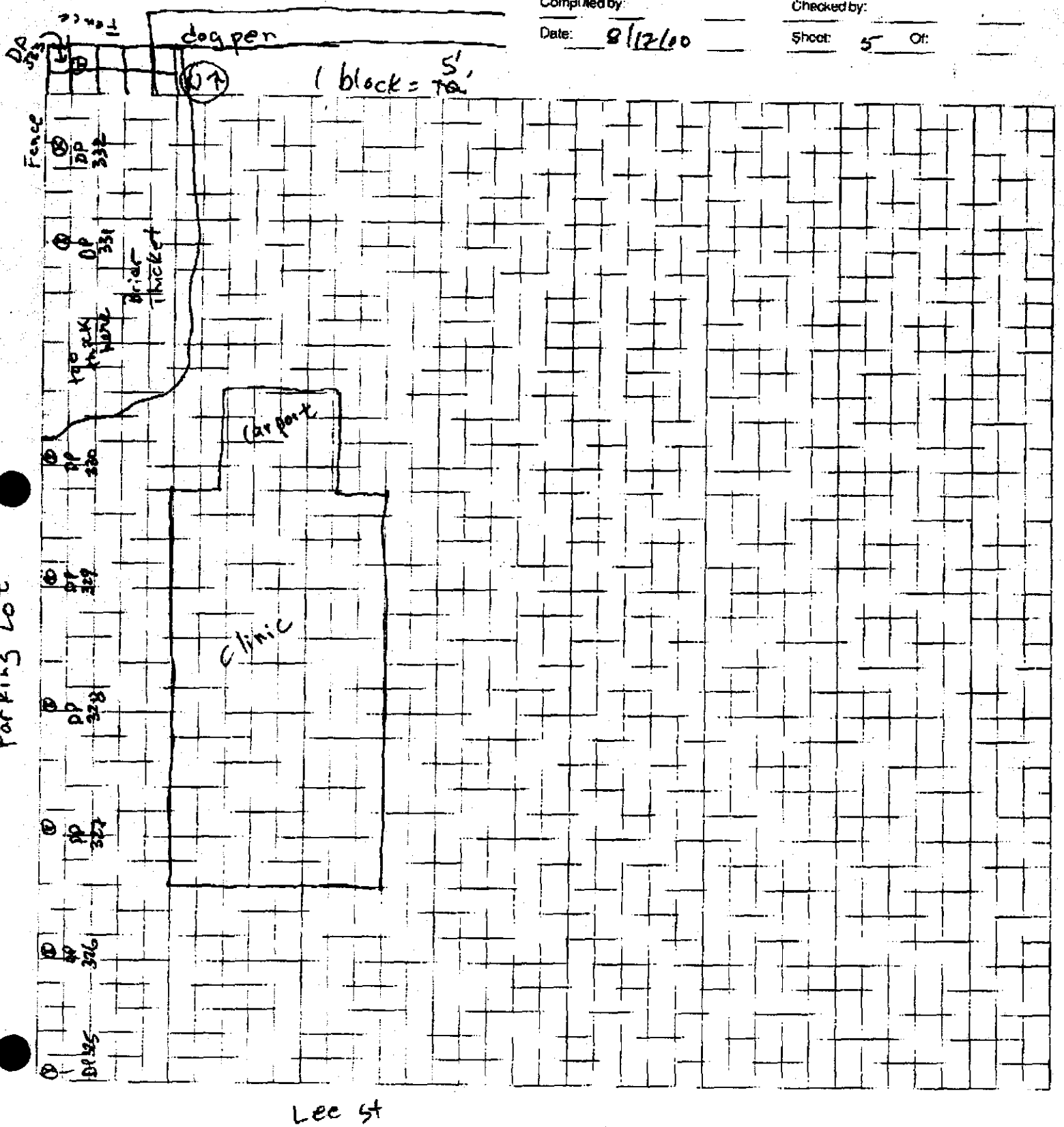
OGDEN

Job Name: Crystal Springs
Job Number:
Title: 407 N. Jackson Louise Lang
Computed by: Checked by:
Date: 8-16-00 Sheet: 1 of:



OGDEN

Job Name: Crystal Springs
Job Number:
Title: Lee St. Medical
Computed by: Checked by:
Date: 8/17/00 Sheet: 5 Of:



OGDEN

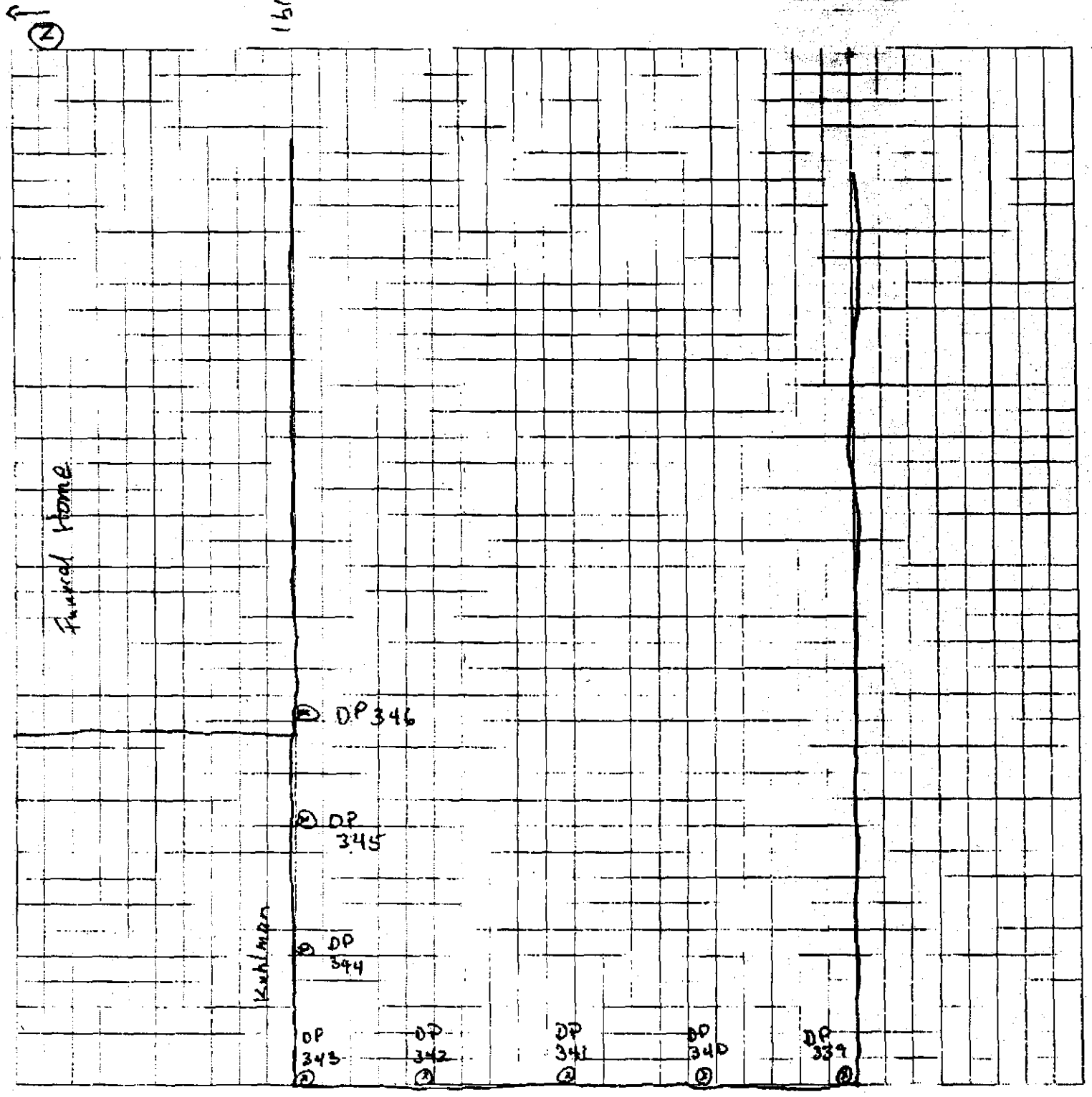
Job Name: Crystal Springs

Job Number:

Title: 219 N. Jackson - Peters Smith

Computed by: TJF Checked by:

Date: 8-17-00 Sheet 2 Of:



OGDEN

Job Name: Crystal Springs -
Job Number:
Title: Sonny Reeves backyard 405 Jackson
Computed by: Checked by:
Date: 8/16/2000 Sheet: 1 Of: