Appendix I

Final Drip Zone Width Study

Prepared for:
U.S. Environmental Protection Agency
Region 7
901 North 5th Street
Kansas City, Kansas 66101

Final
Drip Zone Width Study

Omaha Lead Site
Omaha, Nebraska

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Prepared by:
Black & Veatch Special Projects Corp.
6601 College Blvd.
Overland Park, Kansas 66211

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- Lead-Based Paint Assessments

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- Drip Zone Width Determination Sampling
- Residential Soil Sampling
- Lead-Based Paint Assessments

Acronyms

BVSPC	Black & Veatch Special Projects Corp.
BVID	Identification number assigned to Omaha Lead Site properties or parcels
CERCLA	The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund) (P.L. 95-510)
C.I.	Confidence Interval
DZ	Drip Zone
DZWS	Drip Zone Width Study
EBL	Elevated Blood Level
EPA	Environmental Protection Agency
FSP	Field Sampling Plan
LBP	Lead Based Paint
LCL	Lower Confidence Limit
ND	non-detect (laboratory data)
OLS	Omaha Lead Site
ppm	parts per million
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RAO	Remedial Action Objectives
RD	Remedial Design
ROD	Record of Decision
RI/FS	Remedial Investigation/ Feasability Study
SARA	The Superfund Amendments and Reauthorizatoin Act of 1986 (P.L. 99-499)
Site	Omaha Lead Site
TOPO	EPA Region 7 Task Order Project Officer
UCL	Upper Confidence Limit
XRF	X-ray flourescence

1.0 Introduction

Black & Veatch Special Projects Corporation (BVSPC) has been tasked by the U.S. Environmental Protection Agency (EPA) to perform the Remedial Design at the Omaha Lead Site (Site or OLS). The Site is defined as the individual properties that became contaminated with lead above health-based levels as a result of historic emissions due to lead processing (EPA, 2004). The OLS Focus Area is the area south of Ames Avenue, north of L Street, and east of 45th Street to the state line. During the Remedial Investigation/Feasibility Study (RI/FS), the OLS Focus Area was expanded to include the area south of L Street to the Sarpy County line, most of the area north of Ames Avenue to Redick Avenue, and a small western expansion area to the west of 45th Street. Previous investigations, community involvement, site history, and the Interim Remedy are described in the Interim Record of Decision (ROD) (EPA, 2004). Sampling procedures and previous investigations are discussed in the draft Field Sampling Plan (FSP) (BVSPC, 2006a).

In October 2005, EPA Region 7 requested that BVSPC conduct a study to evaluate drip zone width within the OLS Focus Area. The drip zone is defined as the area surrounding a residence that is impacted by exterior lead-based paint. The drip zone includes the area adjacent to the exterior walls, overhung by eaves and guttering, if present. The Superfund Lead-Contaminated Residential Sites Handbook (EPA, 2003) indirectly defines the width of the drip zone by stating that drip zone samples should be collected from the area "between 6 and 30 inches from the exterior walls of the house." The Interim ROD cited the 30-inch drip zone width.

BVSPC developed a Drip Zone Width Study (DZWS) Sampling Plan which was approved by EPA Region 7 in November, 2005. DZWS field work was conducted December 19 - 27, 2005. Thirty residences were included in the study. In addition to Drip Zone sampling, Residential Soil Sampling (quadrant sampling) and exterior Lead-Based Paint Assessments were completed. Analyses were completed in January 2006, using field office X-ray Fluorescence (XRF) methods and procedures.

The DZWS objective is identification of a single drip zone width applicable to all residences within the OLS Focus Area regardless of age, location, construction type, or exterior finish. The data collected during this study are sufficient to make such a determination. The collection of additional data would refine the understanding of the distribution of lead in drip zones at the Omaha Lead site, but additional sampling (i.e., adding residences to the study) would probably not change the results significantly.

2.0 Sampling Protocol and Conduct of Field Work

In October 2005, the EPA Task Order Project Officer (TOPO) requested that BVSPC prepare a Work Plan to conduct a Drip Zone Width Study (DZWS). The TOPO approved the DZWS Sampling Protocol (see Appendix A) in late November 2005. Field work was conducted from December 19 - 27, 2005. Residential soil sampling (quadrant samples), drip zone sampling, and exterior Lead-Based Paint (LBP) Assessments were completed at 30 residences, with the understanding that additional residences could be sampled and included in the study, if warranted. Sampling had not previously been conducted under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), at any of the initial thirty residences included in the study. BVSPC completed office screening XRF analyses of DZWS samples in January 2006.

All DZWS sampling followed the approved sampling protocol. Residential soil sampling followed the sampling protocol described in the draft Field Sampling Plan (BVSPC, 2006a), which involves dividing residential yards into quadrants and collecting a 5-aliquot sample from each quadrant from the drip zone and any play zones and garden zones. LBP Assessments followed the approved Lead-Based Paint Sampling Protocol (Appendix A). A draft Remedial Design Phase Field Sampling Plan, which incorporates the LBP Assessment Protocol and Drip Zone Width Determination Sampling protocol, was submitted for EPA review and approval in February 2006.

In order to be included in the study, a property had to meet specific criteria which are described in Section 4.0, Statistical Considerations. These criteria are also listed in the Drip Zone Width Study Sampling Protocol (Appendix A). For this DZWS, the term *series* is defined to be a group of samples collected at a particular drip zone sampling location. The Sampling Protocol specifies the collection of two series at each residence to be collected on adjacent sides of the structure.

The rationale for collecting two drip zone series, one each on adjacent sides of the residence, stemmed from the observation that many homes within the OLS boundaries have similar construction, such as gables, guttering or eaves, on opposite ends of the structure, but different features on adjacent sides. It was assumed that if drip zone lead concentrations vary due to weathering exposure or exterior features, the collection of two series at each residence would generate sufficient data to average out the variation.

A total of 60 drip zone series was sampled, 2 at each residence. Each series could include as many as 21 samples, starting at the foundation (0 inches) and then collecting a sample every 6 inches to 10 feet out from the foundation wall. For the purposes of this study, the term *interval* is used to define each 6-inch zone that concentrically surrounds the structure -- 0 to 6 inches, 6 to 12 inches, 12 to 18 inches, etc. Since there are 21 possible drip zone samples, there are 21 intervals. The Sampling Protocol involved the following procedures:

- The sampling team collected samples at the foundation wall (0 inches) and then every 6 inches to a distance of 10 feet from the foundation.
- After laying out a tape measure and marking sampling locations, samples consisting of 3 aliquots were collected, one aliquot at the tape measure and one aliquot 12 inches from each side of the tape measure. The aliquots were collected using a small stainless steel trowel.
- The 3 aliquots were combined in pre-labeled plastic bags and transported to the field office laboratory under Chain-of-Custody protocol. Sample handling and laboratory procedures are described in the draft Remedial Design Quality Assurance Project Plan (QAPP), Omaha Lead Site, Omaha, Nebraska. (BVSPC, 2006b)
- At the Omaha Project Office laboratory, the soil sample logging-in process involved a Quality Control (QC) check review of sample labels against Chain-of-Custody information.
- Sample preparation involved homogenization and sieving (No. 10 sieve) prior to XRF office screening analysis.

3.0 Discussion of Results

Figure 1 shows the locations of residences included in the study. Copies of all DZWS field sheets are included in an Addendum to this report. Drip Zone Width Study data is presented in the Appendix B tables listed below:

- Table B-1: Drip Zone Sample Data Sorted by BVID.
- Table B-2: Drip Zone Data Sorted by Geographic Area (North, South & West Clusters).
- Table B-3: Drip Zone Data Sorted by 6-inch Interval, Lowest to Highest Value.
- Table B-4: Drip Zone Data Sorted by Series.

Table 1 presents the residential soil sampling data (quadrant sampling) for each of the DZWS properties. Exterior lead-based paint was detected in at least one sample at 27 of the 30 residences included in the DZWS. See Appendix C for LBP Assessment data. It should be noted that the 1 "Drip Zone Conc." data (Table 1) were collected using residential soil sampling procedures specified in the EPA Handbook (EPA, 2003). In addition to the quadrant samples from the yards, this procedure involves collecting one aliquot on each side of the structure, between 6 inches and 30 inches from the foundation wall. Because DZWS samples were collected using a different sampling procedure, that data is not comparable to the residential soil sampling drip zone data.

Statistical analyses were completed for each 6 inch interval using drip zone series data. The results are presented in Tables 2 and C-3. Charts comparing lead concentration versus distance from foundation were plotted for each residence (see Appendix D).

Figure 2 is a plot of average concentration in each 6-inch interval versus distance from the exterior foundation wall. As discussed below, all data were used in the statistical calculations and figures. Also shown on Figure 2 are the upper and lower bound 95 percent confidence intervals (UCL and LCL). It is notable that average soil lead concentrations drop below 400 ppm almost exactly 6 feet from the exterior foundation wall. Since 400 ppm is the "interim risk management cleanup level" identified in the Interim ROD, the DZWS results indicate that a 6-foot wide drip zone might be appropriate at the Site. If the 95 percent UCL value is used instead of the average, the drip zone width would increase to approximately 7 feet from the exterior foundation wall.

Nine of the residences included in the study had an exterior construction or finish other than painted wood siding or stucco. Three were brick, two were aluminum siding, and

four had vinyl siding. Since most of these residences were constructed prior to 1920, the aluminum and vinyl siding was probably added long after these residences were constructed. Year of construction data is provided in Table 1. Although the Table 1 data and Appendix D plots indicate that drip zone width at these nine residences may not be as wide as the drip zone at the residences with painted wood or stucco exteriors, two of the nine residences exhibited drip zone lead concentrations above 400 ppm at least 7 feet from the structure. Some general observations listed below are possible:

- For the nine non-painted exterior finish homes, no quadrant sample lead concentrations exceeded 400 ppm (Table 1). Therefore, none of these nine residences qualifies for remedial action per the Interim ROD (EPA, 2004). Of the 21 residences with painted wood siding or stucco, 10 qualified for remedial action – almost 50 percent.
- Identification of a single drip zone width applicable every OLS Focus Area residence regardless of exterior finish is warranted based on the fact that some non-wood/stucco exterior finish residences exhibited soil lead concentrations exceeding the 400 ppm action level more than 6 feet from the residence.

4.0 Statistical Considerations

4.1 Sampling Distribution

As shown on the Data Frequency Histogram (Figure 3) and from a review of the statistical parameters calculated for each interval (Table 2), DZWS soil lead concentration data are not normally distributed (bell-shaped curve). Environmental contamination data is frequently log-normally distributed. Figure 4 is a data frequency plot of the log transformed data (base 10). Visual inspection confirms that the data is log-normally distributed.

For the purposes of this study, in which the main concern is the computation and comparison of the 6-inch interval average soil lead concentrations, the large number of samples (49 to 60 in each interval) renders the computations statistically *robust* to the non-normality of the data. For this reason, the untransformed data was used to compute the descriptive statistical parameters presented in Table 2.

4.2 Bias and Representativeness

An important step in evaluating the data is to examine *bias* and *representativeness*. Residences to be included in the DZWS were selected from the pool of properties within the OLS Focus Area that had not previously been sampled, based on specific criteria listed below. Approximately 7,000 residential properties remain to be sampled. A random sampling methodology that was briefly considered would have allotted *every* residence within the OLS Focus Area an equal probability of being selected for inclusion in the study. Since over 75 percent of the residential properties within the Focus Area had already been sampled; that approach was unattractive because of the high potential for including previously sampled properties, which would have been an inefficient use of project funding.

The approved Sampling Protocol (Appendix A) was based on the assumption that soil type and soil lead concentration variation across the Site is not related to whether a residence has already been sampled. The DZWS data indicate that this assumption was correct. See Section 4.2.2.

- Bias could have occurred if the procedures used to select the residences included in the study tended to favor the inclusion of residences with certain population characteristics, such as statistically higher lead concentrations in drip zone soils, a preponderance of a specific soil type, or any other characteristic of the property or

residence that could affect soil lead concentrations. As discussed in Section 4.2.1, the data indicate that the criteria used to select residences and sampling locations did not bias the results.

- Representativeness is evaluated based on whether the lead concentration at properties included in the DZWS is representative of OLS soil lead concentrations. As discussed below, the data indicate that the residences included in this study are representative of previously sampled residences within the OLS Focus Area.

The criteria for selecting a residence for inclusion in the DZWS were as follows (Reference Appendix A, Drip Zone Width Determination Study Field Sampling Protocol, BVSPC, 2005):

- At least two drip zone samples to 10 feet from the foundation are possible on adjacent sides of the dwelling.
- Walkways or driveways that occupy not more than 2 to 3 feet of the 10-foot area are not a problem.
- The residence should be approximately pre-1960 construction.

The rationale for collecting two drip zone series at each residence was based on the assumption that paint and substrate exposure and weathering might cause variation in drip zone soil lead concentrations on different sides of the structures (north, south, east, and west). The requirement that the drip zone samples be from *adjacent* sides of the structure was based on the observation that eave and gutter systems typically differ on adjacent sides, but are similar on opposite sides of a residence. Because lot sizes are generally small and homes are spaced close together within the OLS Focus Area, it was assumed that few homes (perhaps 25 percent) would have enough clearance on adjacent sides to collect two full drip zone series and thus meet the suitability criteria for the DZWS.

During the late October through mid-November 2005 time period, BVSPC subcontractors assigned the task of obtaining homeowner access form signatures identified over 30 residences that met the criteria for inclusion in the Drip Zone Width Study. As requested by EPA, a few (3) of the properties were of brick exterior construction.

4.2.1 Bias Evaluation

The criteria used to identify suitable candidate properties for inclusion in the DZWS did not include consideration of geographic location. As evidenced in Figure 1, the residences included in the Drip Zone Width Study are not concentrated in any particular geographic area which is an indicator that that the method utilized to select properties did not result in a geographic bias. The fact that no residences from the central portion of the Focus Area are included in the DZWS is expected since that region consists almost entirely of commercial properties. Because of the apparent lack of a geographic bias, there us a strong likelihood that the properties included in the Drip Zone Width Study do not differ from the previously sampled OLS residences in terms of location, soil type, age of dwelling, or other characteristics that might bias drip zone soil lead concentrations. Evaluation of whether the DZWS data exhibits geographic variation is discussed in Section 4.4.

4.2.2 Representativeness Evaluation

Table 3 presents a comparison of DZWS residential soil sampling results (quadrant sampling) to all OLS residential sampling results through calendar year 2005 based on the data for residences, daycares, and Elevated Blood Level (EBL) properties (see Table 4). DZWS results indicate that the residences included in this study appear to be representative of previously sampled residences within the OLS Focus Area.

Table 3

Comparison of DZWS Residences to Overall OLS Results through 2005

	Drip Zone Study Residential Sampling Results (non-drip samples)		OLS Overall (Residences, Daycares & EBLs, non-drip samples) (See Appendix E)	
	# out of 30	%	# out of 27,858	%
0 – 399 ppm & ND	20	66.7	18,180	65.3
400 – 799 ppm	7	23.3	6,419	23.0
> 800 ppm	3	10	3,259	11.7

4.3 Outlier Analysis

Table B-3 presents the Drip Zone data sorted by 6-inch intervals. The highest values in several of the intervals (4, 4.5, 5.0, 8.5, 9.0, 9.5 and 10.0) are significantly higher than the next highest value. These data may not represent true outliers for the following two reasons:

1. These very high values may represent a reasonable reflection of inherent lead concentration variation within drip zone soils at the OLS.
2. Although it is convenient for the purposes of this study to consider the DZWS data by individual 6-inch intervals, when evaluating outliers, all drip zone series data should be considered as a whole. The data frequency histograms (Figures 3 and 4) are useful for this purpose.

Barnett and Lewis (1984) describe the following three sources of data variability to be considered when evaluating whether a datum represents a true outlier and if so, whether to delete the datum.

"1. Inherent Variability, which refers to the natural spectrum of values inherent in a population;
"2. Measurement error, which relates to inadequacies in the measuring instrumentation; and
"3. Execution error, which results from the imperfect collection of the data, either by the sampling team, or in the Sampling Design, which could result in an unrepresentative or biased sample."

The potential for measurement error is very low, based on the collection and analyses of over 200,000 of soil samples at the OLS over the past 4 years, the application of rigorous field office laboratory Quality Assurance/Quality Control (QA/QC) procedures, and data validation based on analytical laboratory quality assurance sample results. The potential for execution error also appears to be very low based on the experience of the field sampling teams and the results of the bias and representativeness evaluation.

Inspection of Figure 4 indicates that the data is log-normally distributed and that the highest measured soil lead concentration values fall on probability distribution curve. On this basis alone, it is difficult to justify rejecting any of the data. Therefore, based on the available information, BVSPC concluded that no data should be rejected and that DZWS soil lead concentration variation appears to be a result of inherent natural and/or anthropogenic variation in OLS soils.

4.4 Geographic Variation of Results

Because the residences appear to be loosely clustered geographically (See Figure 1), it is appropriate to briefly explore whether geographical variation is apparent in the data. Figure 5 is a plot of the interval mean concentrations for each geographic cluster versus distance from exterior foundation wall. Only general observations on the individual cluster results are provided. While further analyses could have been conducted using parametric or non-parametric tests, it was not necessary: All of the individual cluster averages are well within the 95 percent UCL and LCL values in each interval. The information presented in Figure 5 indicates that the individual cluster data correlate well with the all data interval mean plot. The clearest observations are as follows:

1. Lead concentrations drop below 400 ppm at 6 feet from the exterior foundation wall in all 3 geographic clusters.
2. The data for each geographic cluster are similar in terms of order of magnitude concentration the 0- to 6-feet from foundation intervals.
3. There is much variability in the 0- to 6-foot from foundation intervals, which is not unexpected, since this area is likely to be heavily influenced by deteriorating lead-based paint. One or two high lead concentration samples can have a disproportionate influence on the mean when is it calculated based on less than 30 samples.
4. The data are very similar in the 6- to 10-foot from foundation intervals.
5. None of the geographic cluster plots in Figure 5 are consistently above or below the all data interval mean plot.

5.0 Deviations from the Approved Sampling Protocol

At three properties (BVID 32409, 32501 and 49149), drip zone series were collected on opposite, not adjacent sides of the structure, because of space limitations on adjacent sides. Although the Sampling Team understood the requirement that Drip Zone series be collected from adjacent sides of the structures, a field decision was made to sample these properties instead of finding a substitute property. The data for these residences is presented in Table B-4 and the Appendix D graphs. Although these three residences do not exactly fit the Sampling Design criteria, the resulting data was utilized in this report, because it is valid data and because rejecting it was considered the worse alternative from a statistical analysis perspective.

6.0 Conclusions

The DZWS objective was to identify a drip zone width applicable to all residences within the OLS Focus Area regardless of age, location, construction type or exterior finish. The data collected during this study are sufficient to make such a determination. The collection of additional data, by increasing the number of residences included in the study, should lead to higher confidence in the data; however, increasing the number of residences is not expected to change the statistical results or conclusions.

Soil lead concentrations drop below 400 ppm almost exactly six feet from the exterior foundation wall, based on average concentrations in 6-inch intervals from the exterior foundation wall to 10-feet from the structures. Since 400 ppm is the "interim risk management cleanup level" identified in the Interim ROD (EPA, 2004), a six-foot wide drip zone might be appropriate; however, risk management considerations could result in the selection of a different drip zone width.

Statistical Analysis results and conclusions are as follows:

- The data generated in the study appear to be valid, unbiased, and representative.
- The data indicate that the criteria utilized to select residences and sampling locations did not bias the results.
- No data points should be rejected (i.e. there are no apparent outliers).
- DZWS soil lead concentration variation appears to be a result of inherent natural and/or anthropogenic variation in OLS soils.

7.0 REFERENCES

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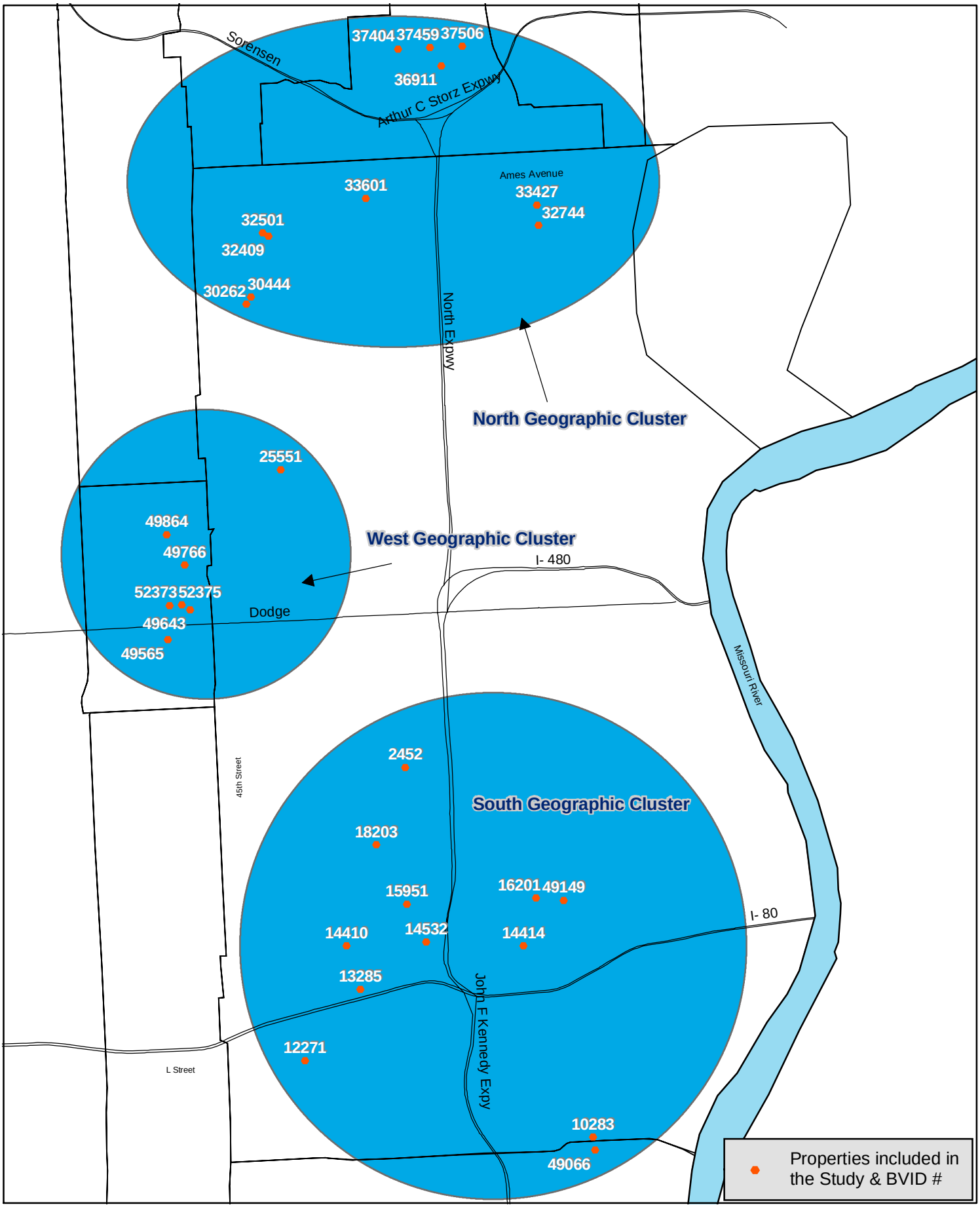
EPA, 2003. United States Environmental Protection Agency, Superfund Lead-Contaminated Residential Sites Handbook, OSWER 9285.7-50, August 2003.

EPA, 2004. Omaha Lead Site, Operable Unit 01, Interim Record of Decision, United States Environmental Protection Agency, Region 7, December 2004

Figure 1: Drip Zone Width Study Location Map



0 2,000 4,000 8,000 12,000 16,000 Feet

1 inch equals 4,000 feet

Figure 2: DZWS 6" Interval Mean (all data) & 95% Confidence Interval (C.I.)

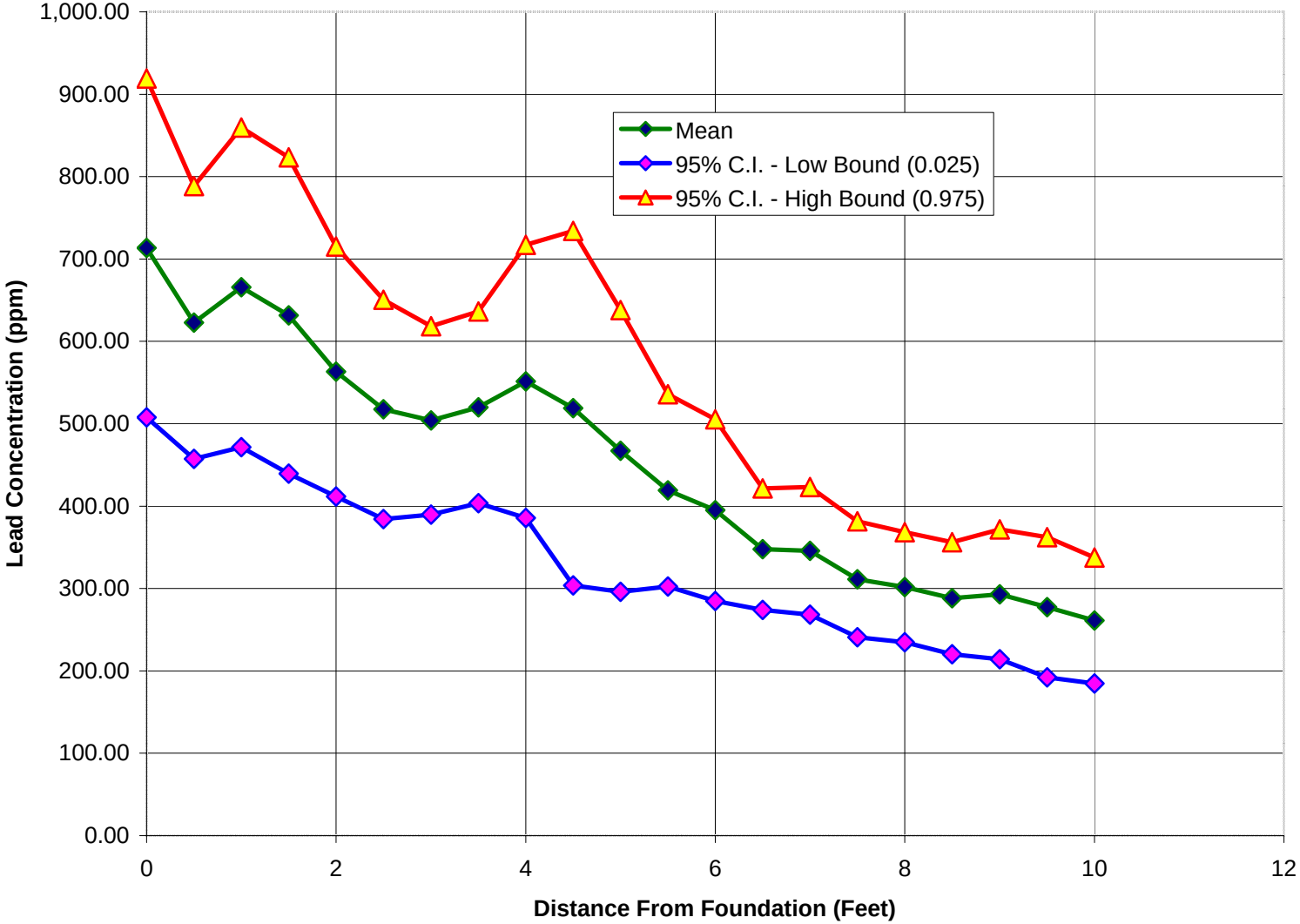


Figure 3 -- Data Frequency Histogram

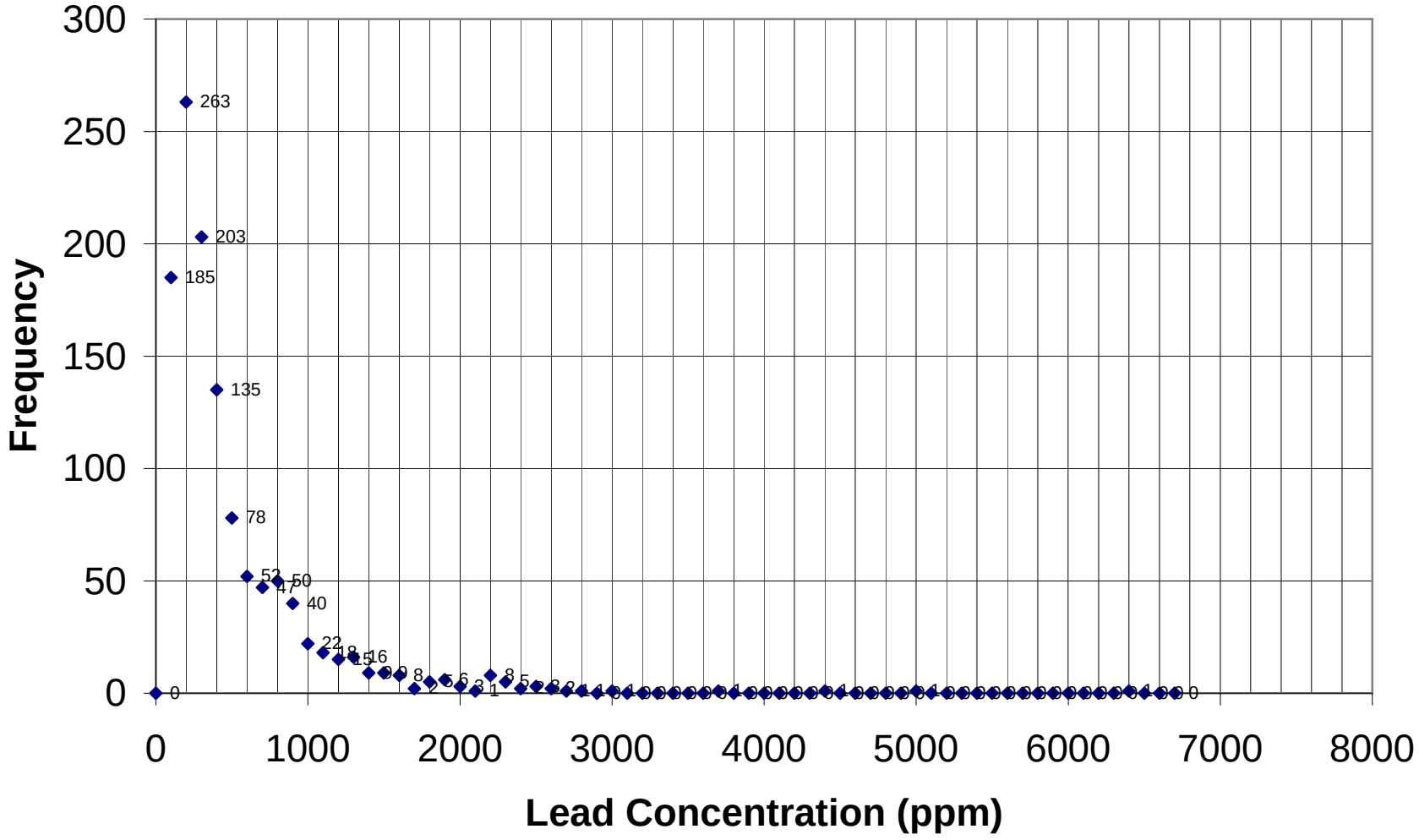


Figure 4 - DZWS Log-Transformed Data Frequency Histogram

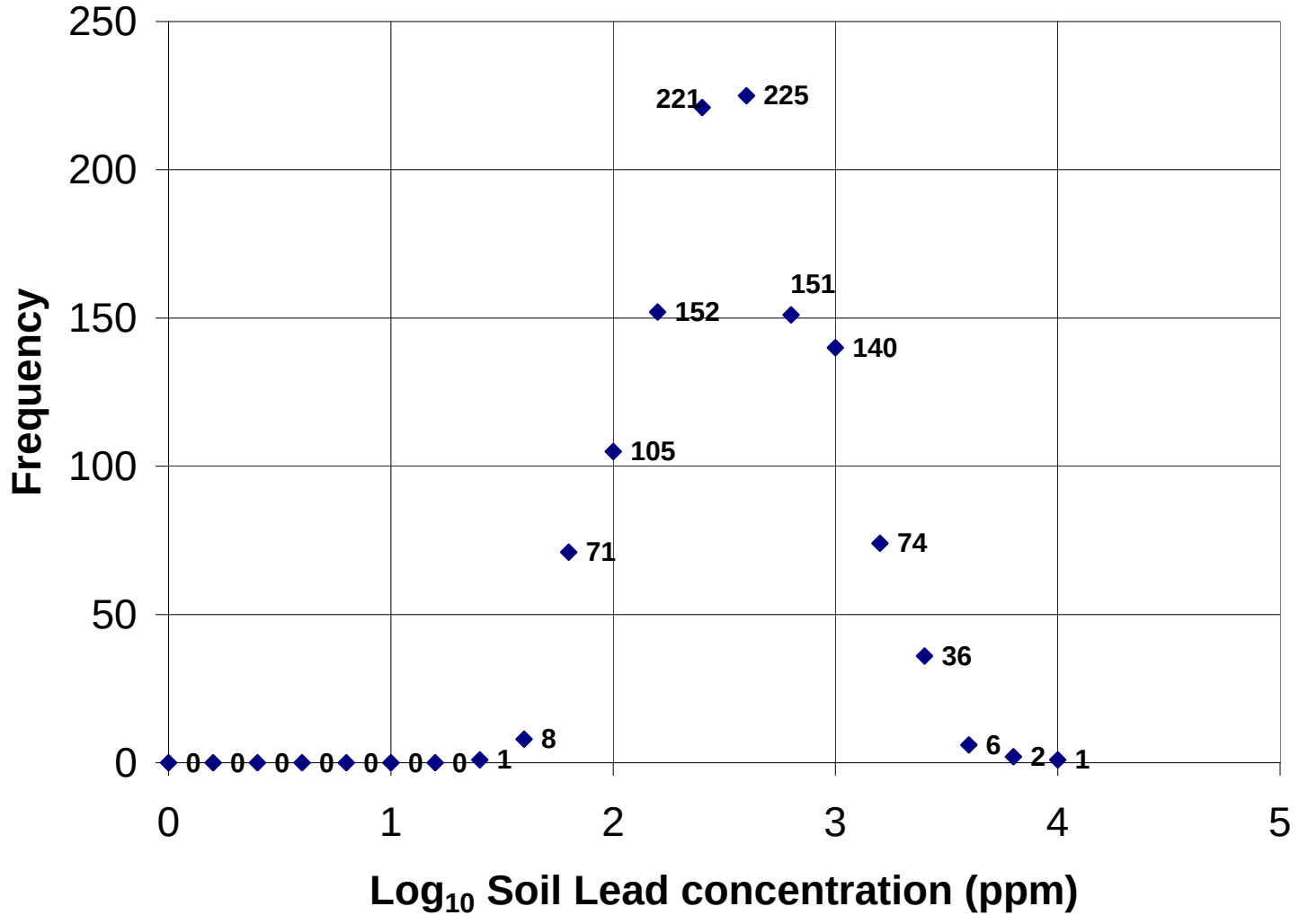


Figure 5 - DZWS Geographic Cluster Interval Mean Concentrations

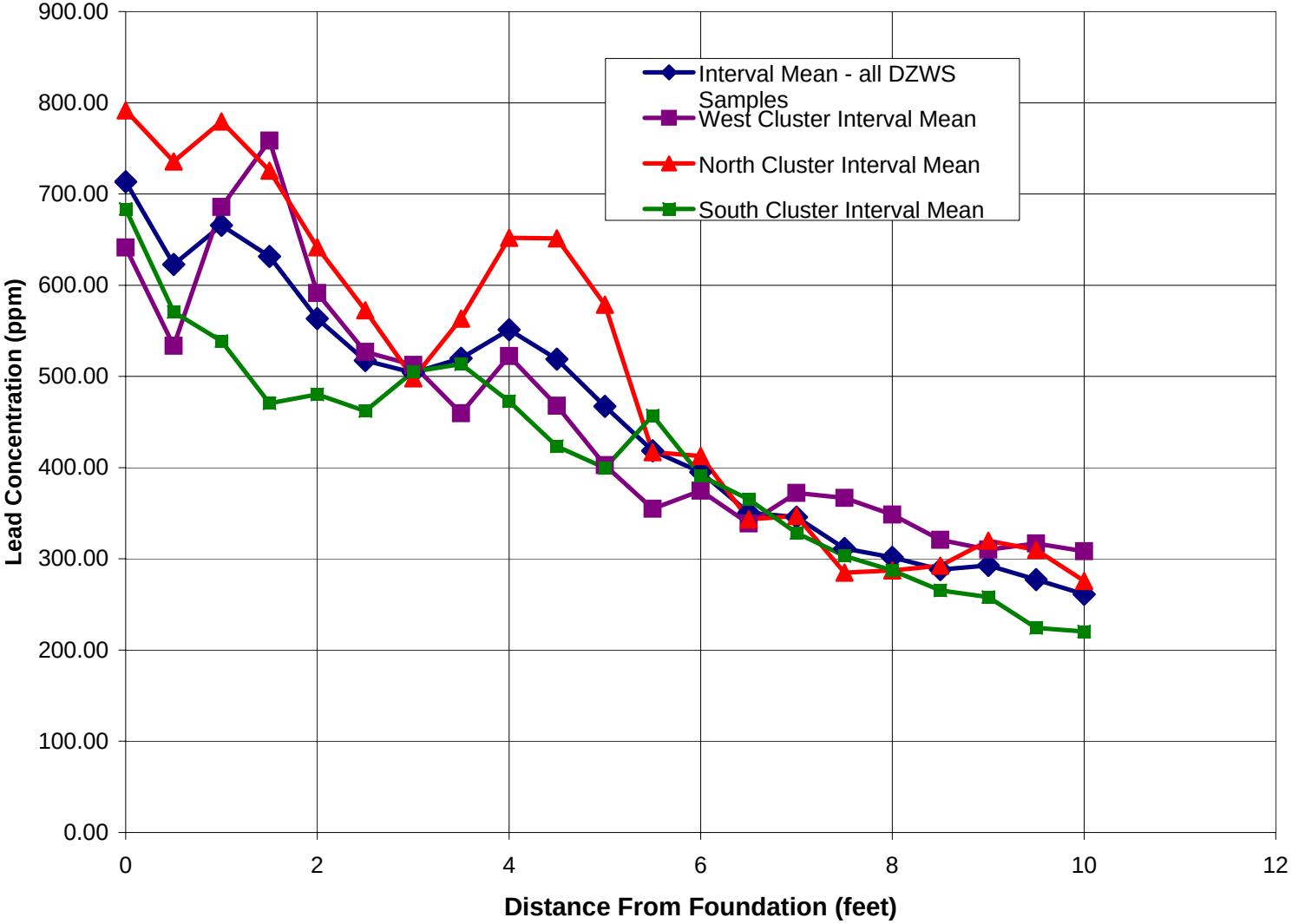


TABLE 1 -- Drip Zone Width Determination Study -- Comparison of Residential Soil Sampling Results with DZ and LBP Assessment Data

	BVID	Year Constructed	ADDRESS	Residential Soil Samples (See Note 1): Drip Zone Conc. (ppm)	Yard Average (Note 2)	GZ	PZ	Q1	Q2	Q3	Q4	Yard Sample > 400 ppm?	Yard Sample > 800 ppm?	Siding Type (Note 3)	LBP Assessment: Lead Paint Detected? (Note 4)	DISTANCE FROM FOUNDATION THAT DZWS RESULTS DROP BELOW 400 ppm (See Note 5 & Appendix D): NORTH	SOUTH	EAST	WEST
1	2452	1890	1314 S 31 ST	698.29	312.8			358.44	363.9	331.5	197.17	N			POS		9		X
2	10283	1911	4541 S 18 ST	330.94	327.4			199.87	120.15	598.18	391.2	Y	N		POS		8.25		X
3	12271	1910	3971 S 39 AV	357.86	91.8			87.82	74.61	104.94	99.97	N		Aluminum	POS		1.5	X	
4	13285	1920	3523 VALLEY ST	177.51	98.3			53.53	55.51	111.29	172.99	N		Vinyl	NEG	X		X	
5	14410	1955	3608 FREDERICK ST	52.18	49.9			59.85	61.98	43.23	34.39	N		Vinyl	NEG	X		X	
6	14414	1925	2311 SPRING ST	297.96	100.2			91.18	71.87	100.44	137.36	N			NEG		X	7.3	
7	14532	1918	3015 FREDERICK ST	95.85	367.9			419.43	244.35	600.94	207.06	Y	N		POS	7.2			X
8	15951	1893	2604 S 32 ST	665.63	264.6			389.06	212.64	247.96	208.73	N			POS		Y	3	
9	16201	1919	2104 BANCROFT ST	135.59	273.8			157.43	519.01		144.97	Y	N		POS		6	2.2	
10	18203	1900	3323 FRANCES ST	5474.44	224.8	317.8		211.63	209.43	192.34	192.79	N			POS	Y		Y	
11	25551	1890	3861 CHARLES ST	372.42	434.9			914.02	436.97	196.55	192.08	Y	Y		POS	Y		Y	
12	30262	1944	3208 N 41 ST	248.75	76.9			62.05	57.99	110.19	77.26	N			POS		4		1.5
13	30444	1921	3229 N 41 ST	587.61	189.1			538.34	42.9	101.81	73.4	Y	N		POS		4.3	0.4	
14	32409	1952	3735 N 40 ST	32.11	42.2			35.94	59.03	41.64	32.2	N			NEG			X	X
15	32501	1935	3748 N 40 ST	455.82	203.3			133.24	179.49	180.89	319.72	N			POS			8.6	X
16	32744	1900	3724 N 18 ST	394.55	204.8			148.49	243.12	289.49	138.13	N		Aluminum	POS	7			7.4
17	33427	1910	1812 LAIRD ST	1501.47	415.2			434.99	445.86		364.79	Y	N		POS		Y	9.7	
18	33601	1949	3166 SPRAGUE ST	320.06	88.2			124.76	91.09	72.52	64.34	N			POS		X	X	
19	36911	1895	5324 N 26 ST	514.06	225.4			155.26	340.27	187.48	218.76	N			POS		5	X	
20	37404	1910	2907 ELLISON AV	646.67	176.2			180.31	148.69	174.11	201.73	N			POS	5.2		4	
21	37459	1925	5524 N 27 ST	1794.32	505.7			241.31	908.58	640.98	231.78	Y	Y		POS	Y		9.3	
22	37506	1913	2427 ELLISON AV	989.56	215.6			210.16	350.13	156.12	146.09	N		Vinyl	POS	5.2		2.9	
23	49066	1892	4721 S 18 ST	189.27	161.1			130.6	105.92	261.55	146.36	N		Vinyl	POS		X	X	
24	49149	1885	2702 S 19 ST	513.86	435.9	719.5		187.44	714.42	161.9	396.05	Y	N		POS	Y	1.1		
25	49565	1923	204 S 48 ST	381.92	241.6			147.35	386.86	130.49	301.56	N		Brick	POS	4.8		1	
26	49643	1915	4601 DAVENPORT ST	626.4	285.6		114.8	309.43	532.84	263.48	207.39	Y	N		POS	7.1		7.3	
27	49766	1957	4602 CALIFORNIA ST	69.06	92.9			137.77	113.29	55.37	65.04	N			POS	X		X	
28	49864	1898	4713 CUMING ST	828.1	424.2			403.34	254.03	901.1	138.43	Y	Y		POS	5		Y	
29	52373	1926	4724 DAVENPORT ST	1515.16	183.2			107.23	112.81	177.97	334.8	N		Brick	POS	1.8		4.5	
30	52375	1955	4624 DAVENPORT ST	125.25	148.8			105.16	108.55	151.69	229.93	N		Brick	POS		X	X	

BRICK HOUSES --- DATA REPEATED FROM ABOVE

49565	1923	204 S 48 ST	381.92	241.6			147.35	386.86	130.49	301.56	N		Brick	POS
52373	1926	4724 DAVENPORT ST	1515.16	183.2			107.23	112.81	177.97	334.8	N		Brick	POS
52375	1955	4624 DAVENPORT ST	125.25	148.8			105.16	108.55	151.69	229.93	N		Brick	POS

ALUMINUM & VINYL SIDING RESIDENCES -- DATA REPEATED FROM ABOVE

12271	1910	3971 S 39 AV	357.86	91.8			87.82	74.61	104.94	99.97	N		Aluminum	POS
13285	1920	3523 VALLEY ST	177.51	98.3			53.53	55.51	111.29	172.99	N		Vinyl	NEG
14410	1955	3608 FREDERICK ST	52.18	49.9			59.85	61.98	43.23	34.39	N		Vinyl	NEG
32744	1913	3724 N 18 ST	394.55	204.8			148.49	243.12	289.49	138.13	N		Aluminum	POS
37506	1892	2427 ELLISON AV	989.56	215.6			210.16	350.13	156.12	146.09	N		Vinyl	POS
49066		4721 S 18 ST	189.27	161.1			130.6	105.92	261.55	146.36	N		Vinyl	POS

NOTES:

1. The column headings Q1, Q2, Q3 and Q4 refer to quadrants that each yard is divided into for sampling purposes. Q1 = left front (viewed from street), Q2 = right front; Q3 = Left rear; Q4 = right rear.
2. Yard Average includes play zone (PZ) and garden zone (GZ) samples, but excludes drip zone sample (DZ)
3. Unless noted otherwise, siding type is painted wood or painted stucco
4. This column only indicates whether lead-based paint was detected on a residence. A "positive" (POS) reading indicates that at least one reading detected lead at > 1 mg/cm2. NEG (negative) indicates that lead based paint was not detected.
   See Appendix C for Lead Paint Results. Volume 2 of the report includes LBP Assessment field sheets
5. Data is based on the Appendix D plots. X - Lead levels remain below 400 ppm from foundation to 10' out. Y - Lead levels remain above 400 pmm from foundation to at least 10' from the residence.

OMAHA LEAD SITE -- DRIP ZONE WIDTH STUDY

TABLE 2 -- DRIP ZONE WIDTH STUDY - STATISTICAL PARAMETERS BY 6" INTERVAL

	Distance from Foundation (feet)	All data utilized to calculate statistical estimators. No potential outliers rejected.							
		Mean	95% C.I. - Low Bound (0.025)	95% C.I. - High Bound (0.975)	Median	Standard Deviation	Sample Variance	Range	n
1	0.0	713.36	507.66	919.06	382.67	771.23	594788.13	3617.48	54
2	0.5	622.87	457.30	788.44	358.56	620.77	385351.09	2771.36	54
3	1.0	665.62	471.57	859.66	407.14	720.77	519502.49	2916.54	53
4	1.5	631.51	439.49	823.53	321.19	692.76	479923.00	2583.90	50
5	2.0	563.43	411.61	715.24	390.06	542.20	293983.23	1946.16	49
6	2.5	517.55	384.40	650.70	330.19	475.55	226148.37	1845.51	49
7	3.0	504.09	389.64	618.53	330.72	433.04	187526.02	1773.94	55
8	3.5	519.89	403.48	636.30	380.72	436.45	190484.26	1761.77	54
9	4.0	551.34	385.57	717.11	335.21	649.66	422060.87	4261.32	59
10	4.5	518.90	303.77	734.03	287.80	843.11	710828.16	6303.91	59
11	5.0	467.06	296.04	638.08	307.04	670.23	449209.43	4907.35	59
12	5.5	418.53	301.82	535.24	258.69	461.26	212757.88	2342.29	60
13	6.0	395.21	284.86	505.55	259.90	436.09	190173.13	2525.56	60
14	6.5	350.76	275.89	425.63	250.46	293.41	86089.30	1103.22	59
15	7.0	345.70	268.21	423.20	228.49	303.72	92243.14	1350.75	59
16	7.5	311.31	240.95	381.67	231.58	278.06	77320.12	1225.60	60
17	8.0	301.64	234.70	368.57	204.19	264.53	69974.37	1345.17	60
18	8.5	288.27	220.26	356.28	203.41	268.79	72245.55	1531.63	60
19	9.0	292.94	214.06	371.82	211.67	311.75	97188.34	2059.37	60
20	9.5	277.25	192.09	362.40	203.16	336.53	113255.12	2423.16	60
21	10.0	261.17	184.62	337.73	186.37	302.55	91534.79	2095.34	60

Table 4 -- Omaha Lead Site Soil Sampling Totals through December 31, 2005

Sample Loc.	Criteria	Uncategorized	Asarco	Industrial	Commercial	Daycare	EBL	Residence	Park	Railroad	Religious	Vacant Lot	Total
Drip	[Pb] >= 2500			1	1	55	88	1290			2		**1437**
Drip	2500 > [Pb] >= 1200				4	119	130	2952			6	4	**3215**
Drip	1200 > [Pb] >= 800					94	92	2588			3	2	**2779**
Drip	800 > [Pb] >= 400	1			10	156	136	4812			9	4	**5128**
Drip	400 > [Pb]	1			13	465	246	12993	2		27	29	**13776**
Drip	NA or ND	1	1	1	18	111	54	1477	6	1	7	1548	**3225**
Total	**All**	**3**	**1**	**2**	**46**	**1000**	**746**	**26112**	**8**	**1**	**54**	**1587**	**29560**
Non-Drip	[Pb] >= 2500			1		3	11	262	1		1	4	**283**
Non-Drip	2500 > [Pb] >= 1200			1		36	59	1073			1	26	**1196**
Non-Drip	1200 > [Pb] >= 800				3	69	76	1670			6	65	**1889**
Non-Drip	800 > [Pb] >= 400				6	184	207	6028			9	359	**6793**
Non-Drip	400 > [Pb]	3			34	695	389	17046	6		37	1133	**19343**
Non-Drip	NA or ND		1		3	13	4	33	1	1			**56**
Total	**All**	**3**	**1**	**2**	**46**	**1000**	**746**	**26112**	**8**	**1**	**54**	**1587**	**29560**

VALID DATE: January 24, 2006

NOTES:
1. Data have not been fully checked - QAQC may not complete on all of data shown above.
2. This table reflects all XRF samples collected to date.
3. The uncategorized column are generally properties sampled before data entry and are resolved during backcheck.

Worksheet to Generate Cmaprison Table, Statistical Considerations section of the Drip Zone Width Study Report:

		Daycare	EBL	Residence			% out of 27,858	
Non-Drip	[Pb] >= 2500	3	11	262	276		0.009907	0.99073875
Non-Drip	2500 > [Pb] >= 1200	36	59	1073	1168		0.041927	4.19269151
Non-Drip	1200 > [Pb] >= 800	69	76	1670	1815		0.065152	6.51518415
Non-Drip	800 > [Pb] >= 400	184	207	6028	6419		0.230419	23.0418551
Non-Drip	400 > [Pb]	695	389	17046	18130		0.6508	65.0800488
Non-Drip	NA or ND	13	4	33	50	18180	0.001795	0.17948166
		1000	746	26112	27858			

APPENDIX A

SAMPLING PROTOCOLS:

DRIP ZONE WIDTH STUDY &
LEAD-BASED PAINT ASSESSMENTS

PROJECT: Omaha Lead Site (OLS) December 14, 2005

SUBJECT: Exterior Lead Paint Assessments for Remediated Properties

INTRODUCTION:

This document presents BVSPC's Lead-based Paint (LBP) Assessments at previously remediated residences where lead-contaminated soil was removed and replaced with clean soil. The information in this document will be incorporated into a Field Sampling Plan. This Data Acquisition subtask is included in the BVSPC Project Plan, dated September 29, 2005.

SAMPLING PROTOCOL:

The following procedures will be incorporated into the Field Sampling Plan:

- Obtain access from property owner to conduct the exterior paint assessment. Paint stabilization will be performed on a voluntary basis: participation in the LBP Assessment program will be at the discretion of the property owner. The EPA TOPO will be notified about any property owners that decline to participate.

- Conduct an initial a visual inspection of exterior painted surfaces and assess whether significant of chipping, peeling, and/or deteriorated paint is present, that could potentially threaten the continued protectiveness of remedy (more than 10 square feet of deteriorated paint surface area). If significant deterioration is not observed, the documentation will consist of digital photos and a written statement of no significant deterioration.

- If significant deteriorating exterior painted surfaces are observed, further assessment will be performed to determine the lead content of each type of similarly painted surfaces using X-ray Fluorescence (XRF). Engineer will provide XRF units and operational training. The Sampling Team(s) shall deliver the XRF units to the BVSPC Project Office at the conclusion of each day of field work, so that data can be downloaded into the information database and to ensure the security of the XRF instrument.

- If deteriorating lead-based paint (LBP) is not found on siding, documentation will include digital photos, XRF readings, and a written statement of no lead-containing deteriorated painted surfaces.

- If deteriorating LBP is identified on structure surfaces, the Sampling Team will document XRF measurements and estimate the aerial extent of deteriorated paint. (If 50% of paint has fallen from surface previously, the area of actual deteriorated paint will be a maximum of 50%. Intact paint is not to be included in the estimate of deteriorated surface area).

- The Sampling Team shall document the general description and assessment of structure condition, including problems with leaking roofs or gutter systems that might have contributed to substrate and paint deterioration, along with measurements and a diagram of structure footprint. The documentation will include a description (including estimated age) and/or diagram of the guttering and eaves (if present); description and estimation of the area of exposed soil within six feet of the foundation; and any other pertinent factors that may contribute to the potential for deteriorating lead-based paint to re-contaminate surface soils.

QUALITY CONTROL:

Current Quality Control and Quality Assurance procedures documented in the March 1999 Quality Assurance Project Plan will be implemented.

1. Laboratory confirmation testing (soil samples) will be conducted at a rate of 5%. QA samples will be analyzed by the EPA Region 7 laboratory.
2. Recommended manufacturer XRF instrument calibration procedures will be followed.

REFERENCES:

1. United States Environmental Protection Agency, Superfund Lead-Contaminated Residential Sites Handbook, OSWER 9285.7-50, August 2003.
2. Quality Assurance Project Plan (QAPP), Omaha Lead Refining Site Investigation, Omaha, Nebraska. Revision 1, EPA Work Assignment No. 025-SISI-07ZY. Prepared by Sverdrup Environmental, Inc. March 22, 1999.
3. Remedial Investigation/Feasibility Study Field Sampling Plan Addendum, Omaha Lead Refining Site Investigation, Omaha, Nebraska. USEPA Contract No. 68-W5-0004, USEPA Work Assignment No. 070-RICO-07ZY. Prepared by Black & Veatch Special Projects Corporation (BVSPC), January 2004.

PROJECT: Omaha Lead Site (OLS) December 14, 2005

Drip Zone (DZ) Width Determination Study Field Sampling Protocol

INTRODUCTION:

This document presents BVSPC's DZ Width Study Field Sampling Protocol, based on the Memorandum dated, 7 November, *Revised draft Drip Zone (DZ) Width Determination Study*. The information in this document will be incorporated into the project Field Sampling Plan. EPA review comments resulted in significant changes to the November 7 Memorandum. This Protocol includes the additional field sheet

SAMPLING PLAN FEATURES/SPECIFICS:

The following features or procedures will be incorporated into the Field Sampling Plan:

- Drip zone sampling will be conducted concurrently with residential property soil samples (quadrant, DZ and Play zone sampling per the EPA Handbook, see Reference 1). Sampling Teams shall evaluate whether the property is a suitable candidate for Drip Zone Sampling. The suitability criteria are as follows: At least two drip zone samples to 10 feet from the foundation are possible on adjacent sides of the dwelling. Walkways or driveways that occupy not more than 2- 3 feet of the 10-foot area are not a problem. The residence should be approximately pre-1960 construction.
- 30 residences shall be included in the study. Up to 5 of the 30 residences should have a brick exterior.
- Soil samples shall be collected at 6-inch interval from the foundation to a maximum of 10-feet. Sample collection methods will match existing OLS residential soil sampling procedures (See Reference 3). Samples will consist of aliquots, 0 – 1" depth, located within one foot of the tape measure: Sampling team shall diagram or describe aliquot locations.
- Labeling: Sample identification shall be as follows: Sample labeling: DZ - ## - N (S,E,W) – BVID. N, S, E, W refers to exterior wall orientation.
- Decontamination procedures will match those currently being used. Dry, decontaminated spoons or trowels will be used to collect every soil sample. New nitrile gloves will be donned at each new DZ sampling location.
- Soil sample XRF Analyses will be completed at the BVSPC Project Office, in Omaha. Current soil sample preparation and XRF office screening and QA/QC procedures will be followed. Samples will be sieved using a No. 10 sieve. Office screening analyses will be conducted using an Innovex XRF unit.
- The Sampling Team will record the following information on the Drip Zone Study Field Sheet:
    a. Site grading and drainage (positive, away from structure or negative).

b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. Paint condition, and field XRF results;
f. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
g. DZ sample locations and wall orientation (N, S, E, W)
h. Digital photos will be taken at each DZ sampling location. Additional photos may be taken.

QUALITY CONTROL:

- Quality Control and Quality Assurance procedures documented in the March 1999 Quality Assurance Project Plan will be implemented.

- Laboratory confirmation testing will be conducted at a rate of 5%: One QA sample per 20 samples collected and analyzed using office screening XRF. QA samples will be analyzed by the EPA Region 7 laboratory. Quality control Samples will be labeled as follows:

- Recommended manufacturer XRF instrument calibration procedures will be followed.

REFERENCES:

1. United States Environmental Protection Agency, Superfund Lead-Contaminated Residential Sites Handbook, OSWER 9285.7-50, August 2003.

2. Quality Assurance Project Plan (QAPP), Omaha Lead Refining Site Investigation, Omaha, Nebraska. Revision 1, EPA Work Assignment No. 025-SISI-07ZY. Prepared by Sverdrup Environmental, Inc. March 22, 1999.

3. Remedial Investigation/Feasibility Study Field Sampling Plan Addendum, Omaha Lead Refining Site Investigation, Omaha, Nebraska. USEPA Contract No. 68-W5-0004, USEPA Work Assignment No. 070-RICO-07ZY. Prepared by Black & Veatch Special Projects Corporation (BVSPC), January 2004.

APPENDIX B

DRIP ZONE WIDTH STUDY

ORGANIZED DATA TABLES

Omaha Lead Site - Drip Zone Width Study

Table B-1 - Raw Data Sorted by BVID (Property Identification Number)

BVID &	Distance From Exterior Foundation Wall																				
Series	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	(blank)
10283-S							503.32	1008.73	597.14	762.71	469.74	388.78	588.17	869.52	515.96	456.11	461.03	365.81	315.94	323.53	297.37	
10283-W	325.58	253.08	273.26	301.34	305.26				197.09	209.35	274.62	188.5	175.5	133.92	136.16	119.06	132.79	114.27	104.64	131.42	111.89	
12271-E	370.79	345.03	292.6	317.43	199.4	132.24	157.64	239.57	260.58	319.42	310.6	292.71	280.93	249.07	210.75	228.02	182.8	183.93	244.57	227.3	169.3	
12271-S	276.88	357.7	469.83	303.45	259.03	261.77	173.53	123.32	113.55	112.01	165.47	229.27	179.25	155.12	136.64	154.48	143.45	141.04	106.82	113.22	108.63	
13285-E	206.29	310.46	222.78	204.72	178.93	148.47	160.59	187.04	189.94	197.8	219.03	209.95	160.64	140.93	125.98	133.43	118.64	133.6	128.21	133.62	133.88	
13285-N	30.07	25.12	39.82	50.57	61.72	63.95	54.71	68.8	64.45	66.64	70.25	71.25	69.85	61.71	67.99	68.89	70.72	54.49	66.82	62.98	80.3	
14410-E	104.9	141.11	91.01	70.15	66.09	68.99	56.39	63.71	49.07	61.02	59.04	52.49	54.99	48.99	58.9	64.46	95.06	88.78	111.71	85.15	247.23	
14410-N	42.91	26.11	26.77	39.82	50.82	37.79	45.69	57.65	57.86	72.09	63.15	55.57	61.47	72.22	43.98	53.2	49.33	48.59	48.37	49.22	51.55	
14414-E						1059.9	902.82	1130.67	1421.66	733.63	982.39	2390.33	709.98	617	591.46	320.13	310.27	221.05	321.7	174.66	234.27	
14414-S	342.71	313.51	280.61	248.4	253.56	185.15	176.95	176.74	167.71	147.42	135.85	135.16	116.34	103.84	117.86	114.08	122.86	73.6	42.56	21.31	80.1	
14532-N							319.15	1478.29	614.81	560.87	327.92	314.71	381.2	298.84	426.16	349.11	319.87	283.86	216.38	233.32	174.88	
14532-W	249.22	196.29	89.69	234.79	203.62	281.77	270.11	268.98	231.25	212.89	241.11	207.905	177.74	174.7	197.6	282.43	225.15	201.47	217.53	213.31	221.9	
15951-E	1850.85	1274.54	897.86	900.43	851.16	710.32	431.46					293.73	255.92	386	338.36	305.47	292.16	304.3	314.94	335.63	293.76	
15951-S	1816.55	1174.52					823.42	793.07	743.28	720.38	864.28	797.11	782.99	741.19	692.78	637.85	581.04	610.69	472.49	513.73	398.93	
16201-E	445.6	236.98	303	251.25	754.58				270.67	220.34	155.6	148.26	160.88	210.89	225.94	256.35	289.47	228.52	277.85	198.48	167.43	
16201-S	130.22	296.93	411.21	382.53	552.62	545.28	1094.06	648.86	731.59	613	640.08	464.32	385.25	356	258.22	254.14	259.78	236.91	211.85	207.83	198.09	
18203-E	3647.55	2796.48	2943.31	2162.71	1955.37	1511.12	1586.36	1137.74	1271.88	1287.93	865	1432.7	2015.3	632.64	735.44	679.75	690.04	423.38	316.62	345.36	453.21	
18203-N	2174.64	2220.79	1973.65	1657.17	1739.64	1883.3	1819.63		740.76	771.99	1189.96	828.48	853.25	925.34	748.35	621.81	721.63	744.63	801.53	440.42	457.66	
2452-S	428.57	424.19	407.14	454.88	391.91	330.19	330.72	436.36	742.93	598.02	494.55	387.07	393.84	321.28	347.58	355.75	429.78	415.05	403.43	345.51	338.14	
2452-W	292.24	176.53	282.79	379.08	212.12	225.03	312.62	364.81	320.74	283.44	225.62	308.45	278.01	257.72	242.12	235.14	205.29	199.11	261.72	215.23	197.23	
25551-E						503.75	543.69	456.21	555.54	680.21	598.95	626.25	755.42	764.13	1037	1270.82	1139.16	922.65	820.25	1009.78	1114.99	
25551-N	781.1	673.66	715.82	621.73	645.34	853.77	771.86	777.77	825.26	708.14	855.46	788.95	835.87	677.5	806.14	862.09	907.72	924.02	903.72	809.48	550.27	
30262-S	664.75	1372.34	664.51	318.63	443.34	252.06	291.02	1819.42	214.24	139.25	134.15	126.28	131.33	97.34	74.33	95.65	84.5	74.94	88.19	138.72	90	
30262-W	908.99	790.15	497.68	392.45	193.42	192.19	170.99	116.91	123.86	96.07	84.44	75.39	64.47	70.86	80.35	69.72	74.13	88.09	63.21	66.23	54.83	
30444-E	556.6	359.42	281.78	236.78	228.02	248.91	233.03	377.21	234.11	179.83	162.96	152.36	133.7	136.34	138.86	112.67	107.76	100.52	101.51	111.33	94.53	
30444-S	324.59	287.12	298.1	323.74					646.78	227.02	186.29	157.84	153.2	174.13	148.34	72.97	78.02	64.81	75.21	52.4	55.46	
32409-E	51.99	39.76	46.37	48.25	59.15	60.66	64.99	68.73	59.31	83.29	64.55	83.26	63.31	51.92	48.47	45.22	48.68	49.59	42	50.18	42.54	
32409-W	51.76	55.26	52.74	67.95	45.24	58.92	63.21	58.74	59.12	62.72	79.18	71.22	78.03	116.55	66.26	74.66	61	67.8	64.53	66.15	54.21	
32501-E	945.1	987.35	719.79	420.29	418.43	338.57	457.17	384.23	417.14	443.73	425.37	381.88	426.63	497.53	492.26	410.09	499.11	414.05	369.94	337.85	279.59	
32501-W	101.96	94.99	107.09	94.53	137.57	100.05	117.73	102.35	130.95	138.14	110.11	146.35	141.22	126.74	117.37	121.2	138.25	142.99	163.55	213.23	204.93	
32744-N	276.73	818.39	276.62	220.34	390.06	443.2	495.8	620.63	712.66	603.08	455.5	526.57	495.23	382.51	395.12	354.52	329.87	335.48	357.52	284.56	306.29	
32744-W	2260.13	1799.11	2120.86	2173.69	1779.5	1427.37	1364	1246.23	1204.44	896.75	1165.59	844.21	795.55	705.53	499.59	382.81	386.98	392.44	304.99	269.63	255	
33427-E				1830.77	1795	1282.21	1223.26	870.25	870.37	814.17	811	684.21	541.92	600	649.63	545.27	571.33	631.34	554.93	416.71	382.07	
33427-S	2450.7	2145.91	2283.82	2374.08	1533.28	1520.85	1095.8	1198.08	1501.81	1053.73	906.59	755.98	734.3	602.5	670.3	510.6	484.34	555.15	496.48	445.64	397.32	
33601-E	322.05	244.58	222.38				132.54	134.3	136.44	116.44	97.71	112.01	128.34	93.62	101.94	92.2	95.56	83.94	78.49	68.19	65.16	
33601-S	362.72	340.78	261.37	255.89	211.31	181.32	183.85	149.06	135.22	132.5	121.29	114.79	125.2	116.17	123.24	113.25	119.95	107.83	105.21	96.37	88.38	
36911-E	90.18	45.29	94.75	283.07	326.07	266.39	183.32	216.59	196.02	184.56	203.76	262.72	325.02	358.35	315.06	350.5	369.63	384.21	504.86	593.29	532.82	
36911-S	1425.7	1150.69	1306.1				465.63	413.88	335.21	359	395.53	331.89	240.5	234.99	228.49	210.4	203.08	198.06	182.09	183.52	155.55	
37404-E	350.62	471.11	1125.37	1753.62	1308.54	1262.89	386.46	519.84	399.2	287.8	318.67	241.78	190.82	194.81	188.64	156.03	167.73	168.29	172.55	151.87	144.29	
37404-N	411.65	588.1	1093.85	816.52	641.7	617.23	651.81	509.12	470.63	444.04	413.33	353.7	356.86	289.77	319.27	252.99	284.87	254.85	228.41	234.15	177.17	
37459-E						862.54	674.95	659.19	4310.39	6364.93	4966.39	2227.9	2572.52	1131.19	1394.73	668.58	384.48	353.83	610.15	228.77	207.27	
37459-N	2243.94	1478.19	2446.42				1084.07	1295.5	1350.32	925.77	923.05	947.74	891.79	1125.06	1135.05	1213.27	1393.85	1580.22	2101.37	2444.47	2137.88	
37506-E	959.59	632.61	623.49	598.78	473.19	616.25	347.51	303.34	235.9	235.09	270.2	253.4	198.74	187.21	179.08	171.62	165.14	179.39	158.22	170.72	146.45	
37506-N	1070.69	1014.77	1064.61	851.44	921.95		770.23	766.08	601.08	543.19	434.08	320.53	293.16	260.81	264.82	245.11	274.37	208.07	211.49	189.74	195.57	
49066-E	231.66	294.04	211.05	200.09	181.36	164.62	182.51	238.51	155.78	144.86	181.3	170.51	264.28	306.38	153.31	157.3	172.1	169.59	172.38	187.62	151.35	
49066-S	121.72	99.68	154.55	177.6	605.61	160.1	169.14	189.73	142.5	209.23	163.17	163.64	190.16	173.47	162.52	184.38	159.69	181.32	140.32	167.07	129.27	
49149-N	828.34	570.53	976.22	756.65	568.57	766.79	1299.1	1331.14	1459.43	1241.42	904.25	1222.12	676.8	1152.21	1022.13	1087.26	701.78	786.69	757.68	510.22	459.32	
49149-S	437.98	447.92	429.68	318.36	213.64	244.27	245.92	326.55	326.93	188.55	216.65	219.25	172.45	184.2		155.22	160.71	157.94	141.3	148.42	129.93	
49565-E	358.13	314.16	400.53	574.88	652.83	738.73	812.49	567.19	749.2	532.81	287.81	186.86	219.13	237.3	189.44	141.37	167.62	263.83	288.29	237.52	246.77	
49565-N	394.55	346.63	407.81	296	347.36	371.48	313.26	358.14	343.09	359.32	325.7	312.41	260.91	287.04	218.37	255.6	262.83	243.21	223.88	213.9	199.53	
49643-E	1413.45	822.59	797.07	2134.17	867.89	660.81	1046.6	1248.11	1652.46	1368.25	666.4	599.66	575.42	438.99	455.17	368.7	340.69	227.99	299.63	286.77	238.66	
49643-N	507.03	407.92	601.04	536.68	499.52	586.21			594.04	396.51	447.14	420.81	486	343.43	433.56	313.4	305.07	202.11	195.89	308.22	275.12	
49766-E	64.34	63.25	52.08					274.69	275.63	262.43	307.04	241.72	258.89	282.69	307.98	237.04	276.36	246.71	256.72	244.95	281.73	
49766-N	88.15	91.35	69.86	61.52	72.47	93.32	104.08	143.38	114.99	96.48	71.16	48.04	46.96	52.91	66.12	54.76	74.38	65.67	57.62	67.09	74.95	
49864-E	1565.45	1470.66	2590	2623.72	1991.4	1526.02	966.16	741.28	855.39	849.36	872.4	777.14	891.63	825.87	795.69	753.62	606.61	518.69	477.48	455.25	583.24	
49864-N	1253.32	1032.77	945.58	815.78	753.17	531.53	528.17	442.39	414.79	462.01	394.31	330.3	281.69	250.46	231.66	222.9	181.89	184.05	177.86	166.86	158.55	
52373-S	963.81	1014.51	1179.74	816.1	719.48	520.11	582.36	503.91	483.57	401.23	327.27	254.66	286.79	198.5	254.4	223.13	168.93	204.71	200.1	193.93	144.47	
52373-W	826.57	616.13	1029.62	499.35	366.86	305.56	285.57	255.65	219.56	212.68	148.82	126.75	110.87	79.89	126.82	136.17	124.2	126.93	136.59	121.3	145.48	
52375-E	86.76	51.34	65.2	72.59	125.65	103.52	118.04	131.64	143.61	120.09	240.18	154	136.22	167.61	160.72	172.82	188.55	211.25	175.57	193.09	162.72	
52375-S	32.92	32.55	58.77	50.69	55.23	52.49	79.39	73.88	84.94	99.35	94.52	100.14	99.49	136.14	126.11	122.87	136.18	149.94	130.55	128.38	141.08	

OMAHA LEAD SITE -- DRIP ZONE WIDTH STUDY

TABLE B-2: DRIP ZONE DATA SORTED BY GEOGRAPHIC AREA

South Cluster

			Distance from Foundation																				
	Series	SIDING TYPE	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
1	2452-S		428.57	424.19	407.14	454.88	391.91	330.19	330.72	436.36	742.93	598.02	494.55	387.07	393.84	321.28	347.58	355.75	429.78	415.05	403.43	345.51	338.14
	2452-W		292.24	176.53	282.79	379.08	212.12	225.03	312.62	364.81	320.74	283.44	225.62	308.45	278.01	257.72	242.12	235.14	205.29	199.11	261.72	215.23	197.23
2	10283-S								503.32	1008.73	597.14	762.71	469.74	388.78	588.17	869.52	515.96	456.11	461.03	365.81	315.94	323.53	297.37
	10283-W		325.58	253.08	273.26	301.34	305.26				197.09	209.35	274.62	188.5	175.5	133.92	136.16	119.06	132.79	114.27	104.64	131.42	111.89
3	12271-E	AL Siding	370.79	345.03	292.6	317.43	199.4	132.24	157.64	239.57	260.58	319.42	310.6	292.71	280.93	249.07	210.75	228.02	182.8	183.93	244.57	227.3	169.3
	12271-S	AL Siding	276.88	357.7	469.83	303.45	259.03	261.77	173.53	123.32	113.55	112.01	165.47	229.27	179.25	155.12	136.64	154.48	143.45	141.04	106.82	113.22	108.63
4	13285-E	Vinyl Siding	206.29	310.46	222.78	204.72	178.93	148.47	160.59	187.04	189.94	197.8	219.03	209.95	160.64	140.93	125.98	133.43	118.64	133.6	128.21	133.62	133.88
	13285-N	Vinyl Siding	30.07	25.12	39.82	50.57	61.72	63.95	54.71	68.8	64.45	66.64	70.25	71.25	69.85	61.71	67.99	68.89	70.72	54.49	66.82	62.98	80.3
5	14410-E	Vinyl Siding	104.9	141.11	91.01	70.15	66.09	68.99	56.39	63.71	49.07	61.02	59.04	52.49	54.99	48.99	58.9	64.46	95.06	88.78	111.71	85.15	247.23
	14410-N	Vinyl Siding	42.91	26.11	26.77	39.82	50.82	37.79	45.69	57.65	57.86	72.09	63.15	55.57	61.47	72.22	43.98	53.2	49.33	48.59	48.37	49.22	51.55
6	14414-E							1059.9	902.82	1130.67	1421.66	733.63	982.39	2390.33	709.98	617	591.46	320.13	310.27	221.05	321.7	174.66	234.27
	14414-S		342.71	313.51	280.61	248.4	253.56	185.15	176.95	176.74	167.71	147.42	135.85	135.16	116.34	103.84	117.86	114.08	122.86	73.6	42.56	21.31	80.1
7	14532-N								319.15	1478.29	614.81	560.87	327.92	314.71	381.2	298.84	426.16	349.11	319.87	283.86	216.38	233.32	174.88
	14532-W		249.22	196.29	89.69	234.79	203.62	281.77	270.11	268.98	231.25	212.89	210.95	241.11	177.74	174.7	197.6	282.43	225.15	201.47	217.53	213.31	221.9
8	15951-E		1850.85	1274.54	897.86	900.43	851.16	710.32	431.46					293.73	255.92	386	338.36	305.47	292.16	304.3	314.94	335.63	293.76
	15951-S		1816.55	1174.52					823.42	793.07	743.28	720.38	864.28	797.11	782.99	741.19	692.78	637.85	581.04	610.69	472.49	513.73	398.93
9	16201-E		445.6	236.98	303	251.25	754.58				270.67	220.34	155.6	148.26	160.88	210.89	225.94	256.35	289.47	228.52	277.85	198.48	167.43
	16201-S		130.22	296.93	411.21	382.53	552.62	545.28	1094.06	648.86	731.59	613	640.08	464.32	385.25	356	258.22	254.14	259.78	236.91	211.85	207.83	198.09
10	18203-E		3647.55	2796.48	2943.31	2162.71	1955.37	1511.12	1586.36	1137.74	1271.88	1287.93	865	1432.7	2015.3	632.64	735.44	679.75	690.04	423.38	316.62	345.36	453.21
	18203-N		2174.64	2220.79	1973.65	1657.17	1739.64	1883.3	1819.63		740.76	771.99	1189.96	828.48	853.25	925.34	748.35	621.81	721.63	744.63	801.53	440.42	457.66
11	49066-E	Vinyl Siding	231.66	294.04	211.05	200.09	181.36	164.62	182.51	238.51	155.78	144.86	181.3	170.51	264.28	306.38	153.31	157.3	172.1	169.59	172.38	187.62	151.35
	49066-S	Vinyl Siding	121.72	99.68	154.55	177.6	605.61	160.1	169.14	189.73	142.5	209.23	163.17	163.64	190.16	173.47	162.52	184.38	159.69	181.32	140.32	167.07	129.27
12	49149-N		828.34	570.53	976.22	756.65	568.57	766.79	1299.1	1331.14	1459.43	1241.42	904.25	1222.12	676.8	1152.21	1022.13	1087.26	701.78	786.69	757.68	510.22	459.32
	49149-S		437.98	447.92	429.68	318.36	213.64	244.27	245.92	326.55	326.93	188.55	216.65	219.25	172.45	184.2		155.22	160.71	157.94	141.3	148.42	129.93
	South Cluster Interval Mean		683.58	570.55	538.84	470.57	480.25	462.16	505.27	513.51	472.68	423.26	399.54	458.56	391.05	357.22	328.53	303.08	287.31	265.36	258.22	224.36	220.23

North Cluster

			Distance from Foundation																				
	Series	SIDING TYPE	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
1	30262-S		664.75	1372.34	664.51	318.63	443.34	252.06	291.02	1819.42	214.24	139.25	134.15	126.28	131.33	97.34	74.33	95.65	84.5	74.94	88.19	138.72	90
	30262-W		908.99	790.15	497.68	392.45	193.42	192.19	170.99	116.91	123.86	96.07	84.44	75.39	64.47	70.86	80.35	69.72	74.13	88.09	63.21	66.23	54.83
2	30444-E		556.6	359.42	281.78	236.78	228.02	248.91	233.03	377.21	234.11	179.83	162.96	152.36	133.7	136.34	138.86	112.67	107.76	100.52	101.51	111.33	94.53
	30444-S		324.59	287.12	298.1	323.74					646.78	227.02	186.29	157.84	153.2	174.13	148.34	72.97	78.02	64.81	75.21	52.4	55.46
3	32409-E		51.99	39.76	46.37	48.25	59.15	60.66	64.99	68.73	59.31	83.29	64.55	83.26	63.31	51.92	48.47	45.22	48.68	49.59	42	50.18	42.54
	32409-W		51.76	55.26	52.74	67.95	45.24	58.92	63.21	58.74	59.12	62.72	79.18	71.22	78.03	116.55	66.26	74.66	61	67.8	64.53	66.15	54.21
4	32501-E		945.1	987.35	719.79	420.29	418.43	338.57	457.17	384.23	417.14	443.73	425.37	381.88	426.63	497.53	492.26	410.09	499.11	414.05	369.94	337.85	279.59
	32501-W		101.96	94.99	107.09	94.53	137.57	100.05	117.73	102.35	130.95	138.14	110.11	146.35	141.22	126.74	117.37	121.2	138.25	142.99	163.55	213.23	204.93
5	32744-N	AL Siding	276.73	818.39	276.62	220.34	390.06	443.2	495.8	620.63	712.66	603.08	455.5	526.57	495.23	382.51	395.12	354.52	329.87	335.48	357.52	284.56	306.29
	32744-W	AL Siding	2260.13	1799.11	2120.86	2173.69	1779.5	1427.37	1364	1246.23	1204.44	896.75	1165.59	844.21	795.55	705.53	499.59	382.81	386.98	392.44	304.99	269.63	255
6	33427-E					1830.77	1795	1282.21	1223.26	870.25	870.37	814.17	811	684.21	541.92	600	649.63	545.27	571.33	631.34	554.93	416.71	382.07
	33427-S		2450.7	2145.91	2283.82	2374.08	1533.28	1520.85	1095.8	1198.08	1501.81	1053.73	906.59	755.98	734.3	602.5	670.3	510.6	484.34	555.15	496.48	445.64	397.32
7	33601-E		322.05	244.58	222.38				132.54	134.3	136.44	116.44	97.71	112.01	128.34	93.62	101.94	92.2	95.56	83.94	78.49	68.19	65.16
	33601-S		362.72	340.78	261.37	255.89	211.31	181.32	183.85	149.06	135.22	132.5	121.29	114.79	125.2	116.17	123.24	113.25	119.95	107.83	105.21	96.37	88.38
8	36911-E		90.18	45.29	94.75	283.07	326.07	266.39	183.32	216.59	196.02	184.56	203.76	262.72	325.02	358.35	315.06	350.5	369.63	384.21	504.86	593.29	532.82
	36911-S		1425.7	1150.69	1306.1				465.63	413.88	335.21	359	395.53	331.89	240.5	234.99	228.49	210.4	203.08	198.06	182.09	183.52	155.55
9	37404-E		350.62	471.11	1125.37	1753.62	1308.54	1262.89	386.46	519.84	399.2	287.8	318.67	241.78	190.82	194.81	188.64	156.03	167.73	168.29	172.55	151.87	144.29
	37404-N		411.65	588.1	1093.85	816.52	641.7	617.23	651.81	509.12	470.63	444.04	413.33	353.7	356.86	289.77	319.27	252.99	284.87	254.85	228.41	234.15	177.17
10	37459-E							862.54	674.95	659.19	4310.39	6364.93	4966.39	2227.9	2572.52	1131.19	1394.73	668.58	384.48	353.83	610.15	228.77	207.27
	37459-N		2243.94	1478.19	2446.42				1084.07	1295.5	1350.32	925.77	923.05	947.74	891.79	1125.06	1135.05	1213.27	1393.85	1580.22	2101.37	2444.47	2137.88
11	37506-E	Vinyl Siding	959.59	632.61	623.49	598.78	473.19	616.25	347.51	303.34	235.9	235.09	270.2	253.4	198.74	187.21	179.08	171.62	165.14	179.39	158.22	170.72	146.45
	37506-N	Vinyl Siding	1070.69	1014.77	1064.61	851.44	921.95		770.23	766.08	601.08	543.19	434.08	320.53	293.16	260.81	264.82	245.11	274.37	208.07	211.49	189.74	195.57
	North Cluster Interval Mean		791.52	735.80	779.39	725.60	641.52	572.45	497.97	563.32	652.05	651.41	578.62	416.91	412.81	343.36	346.87	284.97	287.39	292.54	319.77	309.71	275.79

West Cluster

			Distance from Foundation																				
	Series	SIDING TYPE	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
1	25551-E							503.75	543.69	456.21	555.54	680.21	598.95	626.25	755.42	764.13	1037	1270.82	1139.16	922.65	820.25	1009.78	1114.99
	25551-N		781.1	673.66	715.82	621.73	645.34	853.77	771.86	777.77	825.26	708.14	855.46	788.95	835.87	677.5	806.14	862.09	907.72	924.02	903.72	809.48	550.27
2	49565-E	Brick	358.13	314.16	400.53	574.88	652.83	738.73	812.49	567.19	749.2	532.81	287.81	186.86	219.13	237.3	189.44	141.37	167.62	263.83	288.29	237.52	246.77
	49565-N	Brick	394.55	346.63	407.81	296	347.36	371.48	313.26	358.14	343.09	359.32	325.7	312.41	260.91	287.04	218.37	255.6	262.83	243.21	223.88	213.9	199.53
3	49643-E		1413.45	822.59	797.07	2134.17	867.89	660.81	1046.6	1248.11	1652.46	1368.25	666.4	599.66	575.42	438.99	455.17	368.7	340.69	227.99	299.63	286.77	238.66
	49643-N		507.03	407.92	601.04	536.68	499.52	586.21			594.04	396.51	447.14	420.81	486	343.43	433.56	313.4	305.07	202.11	195.89	308.22	275.12
4	49766-E		64.34	63.25	52.08					274.69	275.63	262.43	307.04	241.72	258.89	282.69	307.98	237.04	276.36	246.71	256.72	244.95	281.73
	49766-N		88.15	91.35	69.86	61.52	72.47	93.32	104.08	143.38	114.99	96.48	71.16	48.04	46.96	52.91	66.12	54.76	74.38	65.67	57.62	67.09	74.95
5	49864-E		1565.45	1470.66	2590	2623.72	1991.4	1526.02	966.16	741.28	855.39	849.36	872.4	777.14	891.63	825.87	795.69	753.62	606.61	518.69	477.48	455.25	583.24
	49864-N		1253.32	1032.77	945.58	815.78	753.17	531.53	528.17	442.39	414.79	462.01	394.31	330.3	281.69	250.46	231.66	222.9	181.89	184.05	177.86	166.86	158.55
6	52373-S	Brick	963.81	1014.51	1179.74	816.1	719.48	520.11	582.36	503.91	483.57	401.23	327.27	254.66	286.79	198.5	254.4	223.13	168.93	204.71	200.1	193.93	144.47
	52373-W	Brick	826.57	616.13	1029.62	499.35	366.86	305.56	285.57	255.65	219.56	212.68	148.82	126.75	110.87	79.89	126.82	136.17	124.2	126.93	136.59	121.3	145.48
7	52375-E	Brick	86.76	51.34	65.2	72.59	125.65	103.52	118.04	131.64	143.61	120.09	240.18	154	136.22	167.61	160.72	172.82	188.55	211.25	175.57	193.09	162.72
	52375-S	Brick	32.92	32.55	58.77	50.69	55.23	52.49	79.39	73.88	84.94	99.35	94.52	100.14	99.49	136.14	126.11	122.87	136.18	149.94	130.55	128.38	141.08
	West Cluster Interval Mean		641.20	533.66	685.62	758.60	591.43	526.72	512.64	459.56	522.29	467.78	402.65	354.84	374.66	338.75	372.08	366.81	348.59	320.84	310.30	316.89	308.40

OMAHA LEAD SITE -- DRIP ZONE WIDTH STUDY

TABLE B-3 -- OMAHA LEAD SITE DRIP ZONE WIDTH DETERMINATION STUDY - ANALYSIS BY 6" INTERVAL

	Distance from Foundation (inches)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
1		30.07	25.12	26.77	39.82	45.24	37.79	45.69	57.65	49.07	61.02	59.04	48.04	46.96	48.99	43.98	45.22	48.68	48.59	42.00	21.31	42.54
2		32.92	26.11	39.82	48.25	50.82	52.49	54.71	58.74	57.86	62.72	63.15	52.49	54.99	51.92	48.47	53.20	49.33	49.59	42.56	49.22	51.55
3		42.91	32.55	46.37	50.57	55.23	58.92	56.39	63.71	59.12	66.64	64.55	55.57	61.47	52.91	58.90	54.76	61.00	54.49	48.37	50.18	54.21
4		51.76	39.76	52.08	50.69	59.15	60.66	63.21	68.73	59.31	72.09	70.25	71.22	63.31	61.71	66.12	64.46	70.72	64.81	57.62	52.40	54.83
5		51.99	45.29	52.74	61.52	61.72	63.95	64.99	68.80	64.45	83.29	71.16	71.25	64.47	70.86	66.26	68.89	74.13	65.67	63.21	62.98	55.46
6		64.34	51.34	58.77	67.95	66.09	68.99	79.39	73.88	84.94	96.07	79.18	75.39	69.85	72.22	67.99	69.72	74.38	67.80	64.53	66.15	65.16
7		86.76	55.26	65.20	70.15	72.47	93.32	104.08	102.35	113.55	96.48	84.44	83.26	78.03	79.89	74.33	72.97	78.02	73.60	66.82	66.23	74.95
8		88.15	63.25	69.86	72.59	125.65	100.05	117.73	116.91	114.99	99.35	94.52	100.14	99.49	93.62	80.35	74.66	84.50	74.94	75.21	67.09	80.10
9		90.18	91.35	89.69	94.53	137.57	103.52	118.04	123.32	123.86	112.01	97.71	112.01	110.87	97.34	101.94	92.20	95.06	83.94	78.49	68.19	80.30
10		101.96	94.99	91.01	177.60	178.93	132.24	132.54	131.64	130.95	116.44	110.11	114.79	116.34	103.84	117.37	95.65	95.56	88.09	88.19	85.15	88.38
11		104.90	99.68	94.75	200.09	181.36	148.47	157.64	134.30	135.22	120.09	121.29	126.28	125.20	116.17	117.86	112.67	107.76	88.78	101.51	96.37	90.00
12		121.72	141.11	107.09	204.72	193.42	160.10	160.59	143.38	136.44	132.50	134.15	126.75	128.34	116.55	123.24	113.25	118.64	100.52	104.64	111.33	94.53
13		130.22	176.53	154.55	220.34	199.40	164.62	169.14	149.06	142.50	138.14	135.85	135.16	131.33	126.74	125.98	114.08	119.95	107.83	105.21	113.22	108.63
14		206.29	196.29	211.05	234.79	203.62	181.32	170.99	176.74	143.61	139.25	148.82	146.35	133.70	133.92	126.11	119.06	122.86	114.27	106.82	121.30	111.89
15		231.66	236.98	222.38	236.78	211.31	185.15	173.53	187.04	155.78	144.86	155.60	148.26	136.22	136.14	126.82	121.20	124.20	126.93	111.71	128.38	129.27
16		249.22	244.58	222.78	248.40	212.12	192.19	176.95	189.73	167.71	147.42	162.96	152.36	141.22	136.34	136.16	122.87	132.79	133.60	128.21	131.42	129.93
17		276.73	253.08	261.37	251.25	213.64	225.03	182.51	216.59	189.94	179.83	163.17	154.00	153.20	140.93	136.64	133.43	136.18	141.04	130.55	133.62	133.88
18		276.88	287.12	273.26	255.89	228.02	244.27	183.32	238.51	196.02	184.56	165.47	157.84	160.64	155.12	138.86	136.17	138.25	142.99	136.59	138.72	141.08
19		292.24	294.04	276.62	283.07	253.56	248.91	183.85	239.57	197.09	188.55	181.30	163.64	160.88	167.61	148.34	141.37	143.45	149.94	140.32	148.42	144.29
20		322.05	296.93	280.61	296.00	259.03	252.06	233.03	255.65	214.24	197.80	186.29	170.51	172.45	173.47	153.31	154.48	159.69	157.94	141.30	151.87	144.47
21		324.59	310.46	281.78	301.34	305.26	261.77	245.92	268.98	219.56	209.23	203.76	186.86	175.50	174.13	160.72	155.22	160.71	168.29	158.22	166.86	145.48
22		325.58	313.51	282.79	303.45	326.07	266.39	270.11	274.69	231.25	209.35	210.95	188.50	177.74	174.70	162.52	156.03	165.14	169.59	163.55	167.07	146.45
23		342.71	314.16	292.60	317.43	347.36	281.77	285.57	303.34	234.11	212.68	216.65	209.95	179.25	184.20	179.08	157.30	167.62	179.39	172.38	170.72	151.35
24		350.62	340.78	298.10	318.36	366.86	305.56	291.02	326.55	235.90	212.89	219.03	219.25	190.16	187.21	188.64	171.62	167.73	181.32	172.55	174.66	155.55
25		358.13	345.03	303.00	318.63	390.06	330.19	312.62	358.14	260.58	220.34	225.62	229.27	190.82	194.81	189.44	172.82	168.93	183.93	175.57	183.52	158.55
26	**Heavy outline**	362.72	346.63	400.53	323.74	391.91	338.57	313.26	364.81	270.67	227.02	240.18	241.11	198.74	198.50	197.60	184.38	172.10	184.05	177.86	187.62	162.72
27	**indicates median.**	370.79	357.70	407.14	379.08	418.43	371.48	319.15	377.21	275.63	235.09	270.20	241.72	219.13	210.89	210.75	210.40	181.89	198.06	182.09	189.74	167.43
28	**See below for**	394.55	359.42	407.81	382.53	443.34	443.20	330.72	384.23	320.74	262.43	274.62	241.78	240.50	234.99	218.37	222.90	182.80	199.11	195.89	193.09	169.30
29	**calculated value.**	411.65	407.92	411.21	392.45	473.19	503.75	347.51	413.88	326.93	283.44	287.81	253.40	255.92	237.30	225.94	223.13	188.55	201.47	200.10	193.93	174.88
30		428.57	424.19	429.68	420.29	499.52	520.11	386.46	436.36	335.21	287.80	307.04	254.66	258.89	249.07	228.49	228.02	203.08	202.11	211.49	198.48	177.17
31		437.98	447.92	469.83	454.88	552.62	531.53	431.46	442.39	343.09	319.42	310.60	262.72	260.91	250.46	231.66	235.14	205.29	204.71	211.85	207.83	195.57
32		445.60	471.11	497.68	499.35	568.57	545.28	457.17	456.21	399.20	359.00	318.67	292.71	264.28	257.72	242.12	237.04	225.15	208.07	216.38	213.23	197.23
33		507.03	570.53	601.04	536.68	605.61	586.21	465.63	503.91	414.79	359.32	325.70	293.73	278.01	260.81	254.40	245.11	259.78	211.25	217.53	213.31	198.09
34		556.60	588.10	623.49	574.88	641.70	616.25	495.80	509.12	417.14	396.51	327.27	308.45	280.93	282.69	258.22	252.99	262.83	221.05	223.88	213.90	199.53
35		664.75	616.13	664.51	598.78	645.34	617.23	503.32	519.84	470.63	401.23	327.92	312.41	281.69	287.04	264.82	254.14	274.37	227.99	228.41	215.23	204.93
36		781.10	632.61	715.82	621.73	652.83	660.81	528.17	567.19	483.57	443.73	394.31	314.71	286.79	289.77	307.98	255.60	276.36	228.52	244.57	227.30	207.27
37		826.57	673.66	719.79	756.65	719.48	710.32	543.69	620.63	555.54	444.04	395.53	320.53	293.16	298.84	315.06	256.35	284.87	236.91	256.72	228.77	221.90
38		828.34	790.15	797.07	815.78	753.17	738.73	582.36	648.86	594.04	462.01	413.33	330.30	325.02	306.38	319.27	282.43	289.47	243.21	261.72	233.32	234.27
39		908.99	818.39	897.86	816.10	754.58	766.79	651.81	659.19	597.14	532.81	425.37	331.89	356.86	321.28	338.36	305.47	292.16	246.71	277.85	234.15	238.66
40		945.10	822.59	945.58	816.52	851.16	853.77	674.95	741.28	601.08	543.19	434.08	353.70	381.20	343.43	347.58	313.40	305.07	254.85	288.29	237.52	246.77
41		959.59	987.35	976.22	851.44	867.89	862.54	770.23	766.08	614.81	560.87	447.14	381.88	385.25	356.00	395.12	320.13	310.27	263.83	299.63	244.95	247.23
42		963.81	1,014.51	1,029.62	900.43	921.95	1,059.90	771.86	777.77	646.78	598.02	455.50	387.07	393.84	358.35	426.16	349.11	319.87	283.86	304.99	269.63	255.00
43		1,070.69	1,014.77	1,064.61	1,657.17	1,308.54	1,262.89	812.49	793.07	712.66	603.08	469.74	388.78	426.63	382.51	433.56	350.50	329.87	304.30	314.94	284.56	275.12
44		1,253.32	1,032.77	1,093.85	1,753.62	1,533.28	1,282.21	823.42	870.25	731.59	613.00	494.55	420.81	486.00	386.00	455.17	354.52	340.69	335.48	315.94	286.77	279.59
45		1,413.45	1,150.69	1,125.37	1,830.77	1,739.64	1,427.37	902.82	1,008.73	740.76	680.21	598.95	464.32	495.23	438.99	492.26	355.75	369.63	353.83	316.62	308.22	281.73
46		1,425.70	1,174.52	1,179.74	2,134.17	1,779.50	1,511.12	966.16	1,130.67	742.93	708.14	640.08	526.57	541.92	497.53	499.59	368.70	384.48	365.81	321.70	323.53	293.76
47		1,565.45	1,274.54	1,306.10	2,162.71	1,795.00	1,520.85	1,046.60	1,137.74	743.28	720.38	666.40	599.66	575.42	600.00	515.96	382.81	386.98	384.21	357.52	335.63	297.37
48		1,816.55	1,372.34	1,973.65	2,173.69	1,955.37	1,526.02	1,084.07	1,198.08	749.20	733.63	811.00	626.25	588.17	602.50	591.46	410.09	429.78	392.44	369.94	337.85	306.29
49		1,850.85	1,470.66	2,120.86	2,374.08	1,991.40	1,883.30	1,094.06	1,246.23	825.26	762.71	855.46	684.21	676.80	617.00	649.63	456.11	461.03	414.05	403.43	345.36	338.14
50		2,174.64	1,478.19	2,283.82	2,623.72			1,095.80	1,248.11	855.39	771.99	864.28	755.98	709.98	632.64	670.30	510.60	484.34	415.05	472.49	345.51	382.07
51		2,243.94	1,799.11	2,446.42				1,223.26	1,295.50	870.37	814.17	865.00	777.14	734.30	677.50	692.78	545.27	499.11	423.38	477.48	416.71	397.32
52		2,260.13	2,145.91	2,590.00				1,299.10	1,331.14	1,204.44	849.36	872.40	788.95	755.42	705.53	735.44	621.81	571.33	518.69	496.48	440.42	398.93
53		2,450.70	2,220.79	2,943.31				1,364.00	1,478.29	1,271.88	896.75	904.25	797.11	782.99	741.19	748.35	637.85	581.04	555.15	504.86	445.64	453.21
54		3,647.55	2,796.48					1,586.36	1,819.42	1,350.32	925.77	906.59	828.48	795.55	764.13	795.69	668.58	606.61	610.69	554.93	455.25	457.66
55								1,819.63		1,421.66	1,053.73	923.05	844.21	835.87	825.87	806.14	679.75	690.04	631.34	610.15	510.22	459.32
56										1,459.43	1,241.42	982.39	947.74	853.25	869.52	1,022.13	753.62	701.78	744.63	757.68	513.73	532.82
57										1,501.81	1,287.93	1,165.59	1,222.12	891.63	925.34	1,037.00	862.09	721.63	786.69	801.53	593.29	550.27
58										1,652.46	1,368.25	1,189.96	1,432.70	891.79	1,125.06	1,135.05	1,087.26	907.72	922.65	820.25	809.48	583.24
59										4,310.39	6,364.93	4,966.39	2,227.90	2,015.30	1,131.19	1,394.73	1,213.27	1,139.16	924.02	903.72	1,009.78	1,114.99
60													2,390.33	2,572.52	1,152.21		1,270.82	1,393.85	1,580.22	2,101.37	2,444.47	2,137.88
	Mean	713.36	622.87	665.62	631.51	563.43	517.55	504.09	519.89	551.34	518.90	467.06	419.09	395.21	347.83	345.70	311.31	301.64	288.27	292.94	277.25	261.17
	Standard Error	104.95	84.48	99.00	97.97	77.46	67.94	58.39	59.39	84.58	109.76	87.26	59.52	56.30	37.67	39.54	35.90	34.15	34.70	40.25	43.45	39.06
	Median	382.67	358.56	407.14	321.19	390.06	330.19	330.72	380.72	335.21	287.80	307.04	258.69	259.90	249.77	228.49	231.58	204.19	203.41	211.67	203.16	186.37
	Standard Deviation	771.23	620.77	720.77	692.76	542.20	475.55	433.04	436.45	649.66	843.11	670.23	461.02	436.09	291.80	303.72	278.06	264.53	268.79	311.75	336.53	302.55
	Sample Variance	594,788.13	385,351.09	519,502.49	479,923.00	293,983.23	226,148.37	187,526.02	190,484.26	422,060.87	710,828.16	449,209.43	212,539.18	190,173.13	85,146.78	92,243.14	77,320.12	69,974.37	72,245.55	97,188.34	113,255.12	91,534.79
	Range	3,617.48	2,771.36	2,916.54	2,583.90	1,946.16	1,845.51	1,773.94	1,761.77	4,261.32	6,303.91	4,907.35	2,342.29	2,525.56	1,103.22	1,350.75	1,225.60	1,345.17	1,531.63	2,059.37	2,423.16	2,095.34
	Count	54.00	54.00	53.00	50.00	49.00	49.00	55.00	54.00	59.00	59.00	59.00	60.00	60.00	60.00	59.00	60.00	60.00	60.00	60.00	60.00	60.00
	Confidence Level(95.0%)	210.50	169.44	198.67	196.88	155.74	136.59	117.07	119.13	169.30	219.71	174.66	119.16	112.65	76.46	79.15	71.83	68.33	69.43	80.53	86.94	78.16
	95% Confidence Interval using sample std deviation	205.70	165.57	194.05	192.02	151.81	133.15	114.45	116.41	165.77	215.13	171.02	116.65	110.34	73.83	77.50	70.36	66.93	68.01	78.88	85.15	76.55

Distance from Foundation (inches)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Mean	713.36	622.87	665.62	631.51	563.43	517.55	504.09	519.89	551.34	518.90	467.06	419.09	395.21	347.83	345.70	311.31	301.64	288.27	292.94	277.25	261.17
95% C.I. - Low Bound (0.025)	507.66	457.30	471.57	439.49	411.61	384.40	389.64	403.48	385.57	303.77	296.04	302.43	284.86	273.99	268.21	240.95	234.70	220.26	214.06	192.09	184.62
95% C.I. - High Bound (0.975)	919.06	788.44	859.66	823.53	715.24	650.70	618.53	636.30	717.11	734.03	638.08	535.74	505.55	421.66	423.20	381.67	368.57	356.28	371.82	362.40	337.73

OMAHA LEAD SITE -- DRIP ZONE WIDTH STUDY

TABLE B-4 -- **Data sorted Horizontally (by Series).**
Note that data is no longer sorted according to distance from foundation.

South Geographic Cluster

	Series	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Series Low	Series High	Series Average
1	2452-S	321.28	330.19	330.72	338.14	345.51	347.58	355.75	387.07	391.91	393.84	403.43	407.14	415.05	424.19	428.57	429.78	436.36	454.88	494.55	598.02	742.93	321.28	742.93	417.9
	2452-W	176.53	197.23	199.11	205.29	212.12	215.23	225.03	225.62	235.14	242.12	257.72	261.72	278.01	282.79	283.44	292.24	308.45	312.62	320.74	364.81	379.08	176.53	379.08	260.7
2	10283-S	297.37	315.94	323.53	365.81	388.78	456.11	461.03	469.74	503.32	515.96	588.17	597.14	762.71	869.52	1008.73							297.37	1008.73	528.3
	10283-W	104.64	111.89	114.27	119.06	131.42	132.79	133.92	136.16	175.5	188.5	197.09	209.35	253.08	273.26	274.62	301.34	305.26	325.58				104.64	325.58	193.8
3	12271-E	132.24	157.64	169.3	182.8	183.93	199.4	210.75	227.3	228.02	239.57	244.57	249.07	260.58	280.93	292.6	292.71	310.6	317.43	319.42	345.03	370.79	132.24	370.79	248.3
	12271-S	106.82	108.63	112.01	113.22	113.55	123.32	136.64	141.04	143.45	154.48	155.12	165.47	173.53	179.25	229.27	259.03	261.77	276.88	303.45	357.7	469.83	106.82	469.83	194.5
4	13285-E	118.64	125.98	128.21	133.43	133.6	133.62	133.88	140.93	148.47	160.59	160.64	178.93	187.04	189.94	197.8	204.72	206.29	209.95	219.03	222.78	310.46	118.64	310.46	173.6
	13285-N	25.12	30.07	39.82	50.57	54.49	54.71	61.71	61.72	62.98	63.95	64.45	66.64	66.82	67.99	68.8	68.89	69.85	70.25	70.72	71.25	80.3	25.12	80.3	60.5
5	14410-E	48.99	49.07	52.49	54.99	56.39	58.9	59.04	61.02	63.71	64.46	66.09	68.99	70.15	85.15	88.78	91.01	95.06	104.9	111.71	141.11	247.23	48.99	247.23	82.8
	14410-N	26.11	26.77	37.79	39.82	42.91	43.98	45.69	48.37	48.59	49.22	49.33	50.82	51.55	53.2	55.57	57.65	57.86	61.47	63.15	72.09	72.22	26.11	72.22	50.2
6	14414-E	174.66	221.05	234.27	310.27	320.13	321.7	591.46	617	709.98	733.63	902.82	982.39	1059.9	1130.67	1421.66	2390.33						174.66	2390.33	757.6
	14414-S	21.31	42.56	73.6	80.1	103.84	114.08	116.34	117.86	122.86	135.16	135.85	147.42	167.71	176.74	176.95	185.15	248.4	253.56	280.61	313.51	342.71	21.31	342.71	159.8
7	14532-N	174.88	216.38	233.32	283.86	298.84	314.71	319.15	319.87	327.92	349.11	381.2	426.16	560.87	614.81	1478.29							174.88	1478.29	420.0
	14532-W	89.69	177.74	196.29	197.6	201.47	203.62	207.905	210.95	212.89	213.31	217.53	221.9	225.15	231.25	234.79	249.22	268.98	270.11	281.77	282.43		89.69	282.43	219.7
8	15951-E	255.92	292.16	293.73	293.76	304.3	305.47	314.94	335.63	338.36	386	431.46	710.32	851.16	897.86	900.43	1274.54	1850.85					255.92	1850.85	590.4
	15951-S	398.93	472.49	513.73	581.04	610.69	637.85	692.78	720.38	741.19	743.28	782.99	793.07	797.11	823.42	864.28	1174.52	1816.55					398.93	1816.55	774.4
9	16201-E	148.26	155.6	160.88	167.43	198.48	210.89	220.34	225.94	228.52	236.98	251.25	256.35	270.67	277.85	289.47	303	445.6	754.58				148.26	754.58	266.8
	16201-S	130.22	198.09	207.83	211.85	236.91	254.14	258.22	259.78	296.93	356	382.53	385.25	411.21	464.32	545.28	552.62	613	640.08	648.86	731.59	1094.06	130.22	1094.06	422.8
10	18203-E	316.62	345.36	423.38	453.21	632.64	679.75	690.04	735.44	865	1137.74	1271.88	1287.93	1432.7	1511.12	1586.36	1955.37	2015.3	2162.71	2796.48	2943.31	3647.55	316.62	3647.55	1375.7
	18203-N	440.42	457.66	621.81	721.63	740.76	744.63	748.35	771.99	801.53	828.48	853.25	925.34	1189.96	1657.17	1739.64	1819.63	1883.3	1973.65	2174.64	2220.79		440.42	2220.79	1165.7
11	49066-E	144.86	151.35	153.31	155.78	157.3	164.62	169.59	170.51	172.1	172.38	181.3	181.36	182.51	187.62	200.09	211.05	231.66	238.51	264.28	294.04	306.38	144.86	306.38	194.8
	49066-S	99.68	121.72	129.27	140.32	142.5	154.55	159.69	160.1	162.52	163.17	163.64	167.07	169.14	173.47	177.6	181.32	184.38	189.73	190.16	209.23	605.61	99.68	605.61	183.1
12	49149-N	459.32	510.22	568.57	570.53	676.8	701.78	756.65	757.68	766.79	786.69	828.34	904.25	976.22	1022.13	1087.26	1152.21	1222.12	1241.42	1299.1	1331.14	1459.43	459.32	1459.43	908.5
	49149-S	129.93	141.3	148.42	155.22	157.94	160.71	172.45	184.2	188.55	213.64	216.65	219.25	244.27	245.92	318.36	326.55	326.93	429.68	437.98	447.92		129.93	447.92	243.3

North Geographic Cluster

	Series																								
1	30262-S	74.33	74.94	84.5	88.19	90	95.65	97.34	126.28	131.33	134.15	138.72	139.25	214.24	252.06	291.02	318.63	443.34	664.51	664.75	1372.34	1819.42	74.33	1819.42	348.3
	30262-W	54.83	63.21	64.47	66.23	69.72	70.86	74.13	75.39	80.35	84.44	88.09	96.07	116.91	123.86	170.99	192.19	193.42	392.45	497.68	790.15	908.99	54.83	908.99	203.5
2	30444-E	94.53	100.52	101.51	107.76	111.33	112.67	133.7	136.34	138.86	152.36	162.96	179.83	228.02	233.03	234.11	236.78	248.91	281.78	359.42	377.21	556.6	94.53	556.6	204.2
	30444-S	52.4	55.46	64.81	72.97	75.21	78.02	148.34	153.2	157.84	174.13	186.29	227.02	287.12	298.1	323.74	324.59	646.78					52.4	646.78	195.6
3	32409-E	39.76	42	42.54	45.22	46.37	48.25	48.47	48.68	49.59	50.18	51.92	51.99	59.15	59.31	60.66	63.31	64.55	64.99	68.73	83.26	83.29	39.76	83.29	55.8
	32409-W	45.24	51.76	52.74	54.21	55.26	58.74	58.92	59.12	61	62.72	63.21	64.53	66.15	66.26	67.8	67.95	71.22	74.66	78.03	79.18	116.55	45.24	116.55	65.5
4	32501-E	279.59	337.85	338.57	369.94	381.88	384.23	410.09	414.05	417.14	418.43	420.29	425.37	426.63	443.73	457.17	492.26	497.53	499.11	719.79	945.1	987.35	279.59	987.35	479.3
	32501-W	94.53	94.99	100.05	101.96	102.35	107.09	110.11	117.37	117.73	121.2	126.74	130.95	137.57	138.14	138.25	141.22	142.99	146.35	163.55	204.93	213.23	94.53	213.23	131.0
5	32744-N	220.34	276.62	276.73	284.56	306.29	329.87	335.48	354.52	357.52	382.51	390.06	395.12	443.2	455.5	495.23	495.8	526.57	603.08	620.63	712.66	818.39	220.34	818.39	432.4
	32744-W	255	269.63	304.99	382.81	386.98	392.44	499.59	705.53	795.55	844.21	896.75	1165.59	1204.44	1246.23	1364	1427.37	1779.5	1799.11	2120.86	2173.69	2260.13	255	2260.13	1060.7
6	33427-E	382.07	416.71	541.92	545.27	554.93	571.33	600	631.34	649.63	684.21	811	814.17	870.25	870.37	1223.26	1282.21	1795	1830.77				382.07	1830.77	837.5
	33427-S	397.32	445.64	484.34	496.48	510.6	555.15	602.5	670.3	734.3	755.98	906.59	1053.73	1095.8	1198.08	1501.81	1520.85	1533.28	2145.91	2283.82	2374.08	2450.7	397.32	2450.7	1129.4
7	33601-E	65.16	68.19	78.49	83.94	92.2	93.62	95.56	97.71	101.94	112.01	116.44	128.34	132.54	134.3	136.44	222.38	244.58	322.05				65.16	322.05	129.2
	33601-S	88.38	96.37	105.21	107.83	113.25	114.79	116.17	119.95	121.29	123.24	125.2	132.5	135.22	149.06	181.32	183.85	211.31	255.89	261.37	340.78	362.72	88.38	362.72	164.1
8	36911-E	45.29	90.18	94.75	183.32	184.56	196.02	203.76	216.59	262.72	266.39	283.07	315.06	325.02	326.07	350.5	358.35	369.63	384.21	504.86	532.82	593.29	45.29	593.29	289.8
	36911-S	155.55	182.09	183.52	198.06	203.08	210.4	228.49	234.99	240.5	331.89	335.21	359	395.53	413.88	465.63	1150.69	1306.1	1425.7				155.55	1425.7	445.6
9	37404-E	144.29	151.87	156.03	167.73	168.29	172.55	188.64	190.82	194.81	241.78	287.8	318.67	350.62	386.46	399.2	471.11	519.84	1125.37	1262.89	1308.54	1753.62	144.29	1753.62	474.3
	37404-N	177.17	228.41	234.15	252.99	254.85	284.87	289.77	319.27	353.7	356.86	411.65	413.33	444.04	470.63	509.12	588.1	617.23	641.7	651.81	816.52	1093.85	177.17	1093.85	448.1
10	37459-E	207.27	228.77	353.83	384.48	610.15	659.19	668.58	674.95	862.54	1131.19	1394.73	2227.9	2572.52	4310.39	4966.39	6364.93						207.27	6364.93	1726.1
	37459-N	891.79	923.05	925.77	947.74	1084.07	1125.06	1135.05	1213.27	1295.5	1350.32	1393.85	1478.19	1580.22	2101.37	2137.88	2243.94	2444.47	2446.42				891.79	2446.42	1484.3
11	37506-E	146.45	158.22	165.14	170.72	171.62	179.08	179.39	187.21	198.74	235.09	235.9	253.4	270.2	303.34	347.51	473.19	598.78	616.25	623.49	632.61	959.59	146.45	959.59	338.4
	37506-N	189.74	195.57	208.07	211.49	245.11	260.81	264.82	274.37	293.16	320.53	434.08	543.19	601.08	766.08	770.23	851.44	921.95	1014.77	1064.61	1070.69		189.74	1070.69	525.1

West Geographic Cluster

	Series																								
1	25551-E	456.21	503.75	543.69	555.54	598.95	626.25	680.21	755.42	764.13	820.25	922.65	1009.78	1037	1114.99	1139.16	1270.82						456.21	1270.82	799.9
	25551-N	550.27	621.73	645.34	673.66	677.5	708.14	715.82	771.86	777.77	781.1	788.95	806.14	809.48	825.26	835.87	853.77	855.46	862.09	903.72	907.72	924.02	550.27	924.02	776.0
2	49565-E	141.37	167.62	186.86	189.44	219.13	237.3	237.52	246.77	263.83	287.81	288.29	314.16	358.13	400.53	532.81	567.19	574.88	652.83	738.73	749.2	812.49	141.37	812.49	388.9
	49565-N	199.53	213.9	218.37	223.88	243.21	255.6	260.91	262.83	287.04	296	312.41	313.26	325.7	343.09	346.63	347.36	358.14	359.32	371.48	394.55	407.81	199.53	407.81	302.0
3	49643-E	227.99	238.66	286.77	299.63	340.69	368.7	438.99	455.17	575.42	599.66	660.81	666.4	797.07	822.59	867.89	1046.6	1248.11	1368.25	1413.45	1652.46	2134.17	227.99	2134.17	786.2
	49643-N	195.89	202.11	275.12	305.07	308.22	313.4	343.43	396.51	407.92	420.81	433.56	447.14	486	499.52	507.03	536.68	586.21	594.04	601.04			195.89	601.04	413.7
4	49766-E	52.08	63.25	64.34	237.04	241.72	244.95	246.71	256.72	258.89	262.43	274.69	275.63	276.36	281.73	282.69	307.04	307.98					52.08	307.98	231.4
	49766-N	46.96	48.04	52.91	54.76	57.62	61.52	65.67	66.12	67.09	69.86	71.16	72.47	74.38	74.95	88.15	91.35	93.32	96.48	104.08	114.99	143.38	46.96	143.38	76.9
5	49864-E	455.25	477.48	518.69	583.24	606.61	741.28	753.62	777.14	795.69	825.87	849.36	855.39	872.4	891.63	966.16	1470.66	1526.02	1565.45	1991.4	2590	2623.72	455.25	2623.72	1082.7
	49864-N	158.55	166.86	177.86	181.89	184.05	222.9	231.66	250.46	281.69	330.3	394.31	414.79	442.39	462.01	528.17	531.53	753.17	815.78	945.58	1032.77	1253.32	158.55	1253.32	464.8
6	52373-S	144.47	168.93	193.93	198.5	200.1	204.71	223.13	254.4	254.66	286.79	327.27	401.23	483.57	503.91	520.11	582.36	719.48	816.1	963.81	1014.51	1179.74	144.47	1179.74	459.1
	52373-W	79.89	110.87	121.3	124.2	126.75	126.82	126.93	136.17	136.59	145.48	148.82	212.68	219.56	255.65	285.57	305.56	366.86	499.35	616.13	826.57	1029.62	79.89	1029.62	285.8
7	52375-E	51.34	65.2	72.59	86.76	103.52	118.04	120.09	125.65	131.64	136.22	143.61	154	160.72	162.72	167.61	172.82	175.57	188.55	193.09	211.25	240.18	51.34	240.18	142.0
	52375-S	32.55	32.92	50.69	52.49	55.23	58.77	73.88	79.39	84.94	94.52	99.35	99.49	100.14	122.87	126.11	128.38	130.55	136.14	136.18	141.08	149.94	32.55	149.94	94.6

APPENDIX C

LEAD-BASED PAINT ASSESSMENT DATA

(Residences Included in the DZWS)

BVID	Address	XRF ID #	Structure	Feature	Paint Color	Condition	XLNo	Ssec	Date/Time	Result	Pbc	Pbc Error
2452	1314 S 31 ST	E-PS-2	Siding	Siding	Tan	Good	26	7.2	12/27/2005 14:48	NEG	0	0.01
2452	1314 S 31 ST	S-PS-1	Garage	Siding	Tan	Good	30	4.8	12/27/2005 14:51	NEG	0	0.01
2452	1314 S 31 ST	S-PS-2	Door	Frame	Tan	Poor	28	5.1	12/27/2005 14:50	NEG	0	0.08
2452	1314 S 31 ST	S-PS-1	Window	Frame	Tan	Poor	27	8.6	12/27/2005 14:49	POS	5.58	1.66
2452	1314 S 31 ST	W-PS-1	Window	Frame	Tan	Poor	29	7.2	12/27/2005 14:50	POS	5.29	2.05
2452	1314 S 31 ST	E-PS-1	Column	Column	Tan	Poor	25	4.9	12/27/2005 14:48	POS	9.5	3.19
10283	4541 S 18 ST	W-PS-2	Trim	Trim	Green	Good	21	4.9	12/15/2005 14:28	NEG	0.08	0.04
10283	4541 S 18 ST	N-PS-3	Window	Frame	Green	Good	25	4.9	12/15/2005 14:33	NEG	0.14	0.1
10283	4541 S 18 ST	W-PS-3	Foundation	Concrete	Grey	Poor	22	11.8	12/15/2005 14:28	NEG	0.05	0.22
10283	4541 S 18 ST	E-PS-2	Siding	Siding	White	Good	28	5	12/15/2005 14:39	NEG	0.23	0.26
10283	4541 S 18 ST	E-PS-1	Foundation	Brick	Grey	Poor	27	16.6	12/15/2005 14:38	POS	3.06	0.46
10283	4541 S 18 ST	S-PS-1	Siding	Siding	White	Good	30	13	12/15/2005 14:42	POS	1.83	0.52
10283	4541 S 18 ST	W-PS-1	Siding	Siding	White	Good	20	13.7	12/15/2005 14:27	NEG	0.01	0.78
10283	4541 S 18 ST	N-PS-2	Foundation	Brick	Grey	Poor	24	6.7	12/15/2005 14:32	POS	5.1	1.16
10283	4541 S 18 ST	S-PS-3	Window	Trim	Green	Poor	32	4.8	12/15/2005 14:43	POS	6.65	2.69
10283	4541 S 18 ST	N-PS-1	Siding	Siding	White	Good	23	5	12/15/2005 14:30	POS	10.01	3.06
10283	4541 S 18 ST	S-PS-2	Foundation	Brick	Grey	Poor	31	4.7	12/15/2005 14:42	POS	8.34	3.21
10283	4541 S 18 ST	N-PS-4	Foundation	Brick	Grey	Poor	26	4.2	12/15/2005 14:34	POS	9.2	3.79
10283	4541 S 18 ST	E-PS-3	Siding	Siding	White	Good	29	3	12/15/2005 14:40	POS	16.88	7.16
12271	3971 S 39 AV	E-PS-1	Door	Frame	Green	Good	48	5	12/16/2005 15:56	NEG	0	0.01
12271	3971 S 39 AV	W-PS-2	Garage	Door	Green	Good	51	5	12/16/2005 15:59	NEG	0	0.01
12271	3971 S 39 AV	W-PS-3	Garage Door	Trim	Green	Good	52	4.9	12/16/2005 16:01	NEG	0	0.01
12271	3971 S 39 AV	N-PS-1	Window	Frame	Green	Good	49	5.1	12/16/2005 15:57	NEG	0	0.1
12271	3971 S 39 AV	S-PS-1	Window	Frame	Green	Good	46	13.1	12/16/2005 15:52	NEG	0.66	0.16
12271	3971 S 39 AV	W-PS-1	Garage Found.	Cement blk	Green	Good	50	11.8	12/16/2005 15:58	NEG	0.06	0.19
12271	3971 S 39 AV	W-PS-2	Column	Column	Green	Good	45	9	12/16/2005 15:52	POS	2.44	0.85
12271	3971 S 39 AV	S-PS-2	Window	Frame	Green	Good	47	9.4	12/16/2005 15:53	POS	4.9	1.67
12271	3971 S 39 AV	W-PS-1	Column	Column	Green	Good	44	2.9	12/16/2005 15:50	POS	21.76	10.14
13285	3523 Valley ST	N-PS-2	Window	Frame	White	Good	42	5	12/16/2005 14:44	NEG	0	0.01
13285	3523 Valley ST	N-PS-1	Window	Sill	White	Poor	41	5.1	12/16/2005 14:44	NEG	0	0.06
13285	3523 Valley ST	E-PS-1	Foundation	Cement blk	White	Fair to Good	43	18.5	12/16/2005 14:47	NEG	0.05	0.13
14410	3608 Frederick ST	S-PS-1	Window	Frame	Brown	Poor	5	21.3	12/16/2005 8:59	NEG	0.82	0.17
14410	3608 Frederick ST	N-PS-1	Window	Frame	Brown	Poor	8	21.4	12/16/2005 9:07	NEG	0.83	0.2
14410	3608 Frederick ST	S-PS-2	Window	Frame	Brown	Poor	6	21.4	12/16/2005 9:03	NEG	0.86	0.21
14410	3608 Frederick ST	E-PS-1	Window	Frame	Brown	Poor	7	5	12/16/2005 9:05	NEG	0.45	0.26
14410	3608 Frederick ST	W-PS-1	Window	Frame	Brown	Poor	9	11.3	12/16/2005 9:08	NEG	0.58	0.27
14414	2311 Spring ST	E-PS-1	Siding	Siding	Yellow	Good	31	6.9	12/27/2005 16:13	NEG	0	0.01
14414	2311 Spring ST	S-PS-1	Siding	Siding	Yellow	Good	33	4.8	12/27/2005 16:15	NEG	0	0.01
14414	2311 Spring ST	E-PS-2	Foundation	Cement Blk	White	Poor	32	9.5	12/27/2005 16:13	NEG	0.04	0.24
14414	2311 Spring ST	N-PS-1	Garage	Siding	Grey	Good	34	12.9	12/27/2005 16:16	NEG	0.23	0.24
14532	3015 Frederick ST	W-PS-2	Fence	Fence	Red	Poor	19	5.1	12/16/2005 10:39	NEG	0	0.01
14532	3015 Frederick ST	N-PS-1	Garage	Siding	Green	Good	20	5	12/16/2005 10:40	NEG	0	0.01
14532	3015 Frederick ST	N-PS-2	Siding	Stucco	Green	Good	11	18.5	12/16/2005 10:29	NEG	0.01	0.02
14532	3015 Frederick ST	S-PS-3	Porch	Step	Red	Good	16	4.7	12/16/2005 10:36	NEG	0.02	0.02
14532	3015 Frederick ST	W-PS-1	Siding	Stucco	Green	Good	18	11.8	12/16/2005 10:38	NEG	0.01	0.07
14532	3015 Frederick ST	S-PS-2	Foundation	Cement blk	Green	Good	15	7.5	12/16/2005 10:35	NEG	0.07	0.24
14532	3015 Frederick ST	E-PS-1	Garage	Wind. Frame	White	Fair to Good	22	10.9	12/16/2005 10:42	NEG	0.61	0.26
14532	3015 Frederick ST	S-PS-1	Column	Column	White	Fair to Poor	14	21	12/16/2005 10:32	NEG	0.67	0.29
14532	3015 Frederick ST	E-PS-1	Window	Frame	White	Fair to Poor	12	4.9	12/16/2005 10:30	NEG	0.02	0.31
14532	3015 Frederick ST	W-PS-1	Garage	Door	White	Fair to Good	21	8.8	12/16/2005 10:41	POS	2.61	0.78
14532	3015 Frederick ST	S-PS-4	Window	Frame	White	Poor	17	7.1	12/16/2005 10:37	POS	6.29	2.32
14532	3015 Frederick ST	E-PS-2	Door	Overhang	White	Fair to Poor	13	5.1	12/16/2005 10:32	POS	9.11	2.92
14532	3015 Frederick ST	N-PS-1	Porch	Ledge	Green	Poor	10	4.7	12/16/2005 10:27	POS	12.39	3.64
15951	2604 S 32 ST	E-PS-3	Window	Frame	White	Fair to Poor	25	5	12/16/2005 12:49	NEG	0	0.01
15951	2604 S 32 ST	W-PS-2	Garage	Door Frame	White	Poor	32	5.1	12/16/2005 12:59	NEG	0	0.01
15951	2604 S 32 ST	W-PS-1	Siding	Siding	Grey	Good	30	5.1	12/16/2005 12:56	NEG	0	0.02
15951	2604 S 32 ST	E-PS-1	Garage	Column	White	Fair	31	5.1	12/16/2005 12:57	NEG	0	0.07
15951	2604 S 32 ST	E-PS-1	Siding	Siding	Grey	Good	23	5	12/16/2005 12:44	NEG	0	0.09
15951	2604 S 32 ST	N-PS-1	Window	Frame	White	Poor	27	5	12/16/2005 12:54	NEG	0	0.11
15951	2604 S 32 ST	S-PS-2	Window	Frame	White	Poor	29	3	12/16/2005 12:55	NEG	0	0.11
15951	2604 S 32 ST	N-PS-1	Shed	Siding	Grey	Good	33	3	12/16/2005 12:59	NEG	0	0.11
15951	2604 S 32 ST	E-PS-2	Column	Column	White	Fair to Poor	24	3	12/16/2005 12:48	NEG	0	0.15
15951	2604 S 32 ST	S-PS-1	Porch	Column	White	Fair to Good	28	3	12/16/2005 12:55	NEG	0.01	0.21
15951	2604 S 32 ST	E-PS-4	Window	Frame	Brown	Fair to Poor	26	5.1	12/16/2005 12:50	NEG	0.01	0.27
16201	2104 Bancroft ST	E-PS-2	Foundation	Brick	Tan	Good	36	14.1	12/15/2005 15:38	NEG	0	0.01
16201	2104 Bancroft ST	E-PS-3	Siding	Siding	Tan	Good	37	5.1	12/15/2005 15:39	NEG	0	0.01
16201	2104 Bancroft ST	S-PS-1	Foundation	Stucco	Tan	Good	33	14.2	12/15/2005 15:32	NEG	0.01	0.03
16201	2104 Bancroft ST	W-PS-1	Window	Frame	Tan	Poor	38	22.1	12/15/2005 15:42	POS	1.55	0.51
16201	2104 Bancroft ST	S-PS-2	Window	Frame	Tan	Good	34	7	12/15/2005 15:36	POS	5.51	1.82
16201	2104 Bancroft ST	E-PS-1	Window	Frame	Tan	Fair to Poor	35	2.9	12/15/2005 15:37	POS	20.39	9.52
18203	3323 Frances ST	N-PS-4	Foundation	Bottom Trim	White	Good	20	7.3	12/27/2005 13:40	NEG	0	0.01
18203	3323 Frances ST	W-PS-1	Garage	Siding	Grey	Good	24	6.9	12/27/2005 13:47	NEG	0	0.01
18203	3323 Frances ST	N-PS-2	Porch	Ledge	White	Good	18	4.9	12/27/2005 13:35	NEG	0.22	0.17
18203	3323 Frances ST	E-PS-1	Window	Frame	White	Good	21	11.4	12/27/2005 13:41	NEG	0.36	0.17
18203	3323 Frances ST	E-PS-2	Siding	Siding	Grey	Good	22	21.4	12/27/2005 13:43	POS	1.04	0.19
18203	3323 Frances ST	W-PS-1	Siding	Trim	White	Poor	23	6.7	12/27/2005 13:45	POS	5.57	2.01

BVID	Address	XRF ID #	Structure	Feature	Paint Color	Condition	XLNo	Ssec	Date/Time	Result	Pbc	Pbc Error
18203	3323 Frances ST	N-PS-1	Siding	Siding	Grey	Good	17	4.8	12/27/2005 13:35	POS	8.87	2.87
18203	3323 Frances ST	N-PS-3	Foundation	Lattice	Grey	Good	19	2.7	12/27/2005 13:38	POS	26.05	11.49
25551	3861 Charles ST	N-PS-2	Siding	Siding	Grey	Good	6	7.6	12/21/2005 10:06	NEG	0	0.01
25551	3861 Charles ST	E-PS-2	Siding	Siding	White	Good	9	14.3	12/21/2005 10:09	NEG	0	0.01
25551	3861 Charles ST	N-PS-2	Garage	Door Frame	Blue	Fair	11	5.1	12/21/2005 10:11	NEG	0	0.01
25551	3861 Charles ST	N-PS-1	Garage	Siding	White	Fair	10	5	12/21/2005 10:10	NEG	0.01	0.03
25551	3861 Charles ST	E-PS-1	Window	Top Sash	Grey	Poor	8	45.7	12/21/2005 10:07	POS	1.07	0.2
25551	3861 Charles ST	NULL	NULL	NULL	NULL	NULL	7	17	12/21/2005 10:07	INCOM	1.35	0.43
25551	3861 Charles ST	N-PS-1	Window	Sill	Black	Poor	5	5.7	12/21/2005 10:04	POS	2.62	0.68
30262	3208 N 41 ST	S-PS-4	Storm Window	Sill	White	Poor	43	8.9	12/20/2005 14:08	NEG	0.55	0.2
30262	3208 N 41 ST	E-PS-3	Porch	Step	Blue	Poor	38	14.2	12/20/2005 14:04	NEG	0.05	0.23
30262	3208 N 41 ST	S-PS-2	Window	Frame	White	Poor	41	9	12/20/2005 14:07	NEG	0.38	0.24
30262	3208 N 41 ST	S-PS-3	Foundation	Cement Blk	White	Fair to Poor	42	22	12/20/2005 14:07	NEG	0.38	0.37
30262	3208 N 41 ST	N-PS-1	Door	Door	White	Poor	44	60.5	12/20/2005 14:09	NEG	0.73	0.44
30262	3208 N 41 ST	S-PS-1	Siding	Siding	White	Fair to Poor	40	21.9	12/20/2005 14:06	POS	1.63	0.63
30262	3208 N 41 ST	E-PS-1	Siding	Siding	White	Fair to Poor	36	22	12/20/2005 14:02	POS	1.71	0.81
30262	3208 N 41 ST	NULL	NULL	NULL	NULL	NULL	39	3	12/20/2005 14:05	POS	0.85	0.91
30262	3208 N 41 ST	W-PS-2	Foundation	Cement Blk	White	Fair to Poor	46	18.4	12/20/2005 14:12	NEG	-0.52	1.2
30262	3208 N 41 ST	W-PS-1	Siding	Siding	White	Fair to Poor	45	9.6	12/20/2005 14:11	POS	5.16	1.63
30262	3208 N 41 ST	E-PS-2	Window	Frame	White	Poor	37	7.3	12/20/2005 14:03	POS	4.92	1.9
30444	3229 N 41 ST	W-PS-3	Window	Frame	White	Poor	47	20.3	12/20/2005 14:13	POS	2.04	0.87
30444	3229 N 41 ST	S-PS-2	Siding	Siding	Blue	Poor	52	17.7	12/20/2005 15:26	POS	2.24	0.92
30444	3229 N 41 ST	E-PS-2	Siding	Siding	Blue	Poor	55	13.6	12/20/2005 15:29	POS	2.62	1.1
30444	3229 N 41 ST	W-PS-2	Siding	Bottom Trim	White	Poor	49	13.2	12/20/2005 15:24	POS	2.89	1.25
30444	3229 N 41 ST	E-PS-1	Window	Frame	White	Poor	54	9.4	12/20/2005 15:27	POS	3.88	1.47
30444	3229 N 41 ST	W-PS-1	Siding	Siding	Blue	Poor	48	5.3	12/20/2005 15:23	POS	7.27	2.9
30444	3229 N 41 ST	S-PS-1	Siding	Bottom Trim	White	Poor	51	5.2	12/20/2005 15:25	POS	11.68	3.48
30444	3229 N 41 ST	W-PS-3	Porch	Column	White	Poor	50	3	12/20/2005 15:24	POS	12.64	4.15
30444	3229 N 41 ST	N-PS-1	Siding	Siding	Blue	Poor	57	3	12/20/2005 15:30	POS	10.21	4.52
30444	3229 N 41 ST	E-PS-3	Siding	Bottom Trim	White	Poor	56	3	12/20/2005 15:30	POS	11.08	4.6
30444	3229 N 41 ST	S-PS-3	Window	Frame	White	Poor	53	3	12/20/2005 15:26	POS	13.02	5.18
32409	3735 N 40 ST	N-PS-1	Window	Sill	White	Fair	12	5.1	12/22/2005 10:10	NEG	0	0.01
32409	3735 N 40 ST	W-PS-2	Window	Shutter	White	Good	6	4.9	12/22/2005 10:03	NEG	0	0.02
32409	3735 N 40 ST	W-PS-1	Foundation	Cement Blk	Tan	Fair to Good	5	84.8	12/22/2005 10:01	NEG	0	0.04
32409	3735 N 40 ST	W-PS-3	Window	Frame	White	Good	7	5.1	12/22/2005 10:04	NEG	0	0.07
32409	3735 N 40 ST	E-PS-1	Foundation	Cement Blk	White	Good	10	20.4	12/22/2005 10:07	NEG	0.12	0.17
32409	3735 N 40 ST	E-PS-2	Window	Frame	White	Fair	11	3.1	12/22/2005 10:08	NEG	0.11	0.28
32409	3735 N 40 ST	S-PS-2	Foundation	Cement Blk	White	Good	9	9.4	12/22/2005 10:07	NEG	0.08	0.32
32409	3735 N 40 ST	S-PS-1	Window	Frame	White	Poor	8	45.9	12/22/2005 10:05	NEG	0.42	0.55
32501	3748 N 40 ST	E-PS-1	Porch	Step	Tan	Good	13	5	12/22/2005 10:59	NEG	0	0.01
32501	3748 N 40 ST	E-PS-4	Foundation	Bottom Trim	White	Good	16	5	12/22/2005 11:00	NEG	0	0.01
32501	3748 N 40 ST	E-PS-3	Foundation	Cement Blk	Tan	Good	15	7.4	12/22/2005 11:00	NEG	0.02	0.04
32501	3748 N 40 ST	N-PS-1	Siding	Siding	White	Good	17	5	12/22/2005 11:01	POS	11.53	3.28
32501	3748 N 40 ST	S-PS-2	Foundation	Bottom Trim	White	Good	23	5	12/22/2005 11:05	POS	11.8	3.44
32501	3748 N 40 ST	N-PS-2	Window	Frame	White	Good	18	5	12/22/2005 11:02	POS	14.94	3.54
32501	3748 N 40 ST	W-PS-3	Foundation	Bottom Trim	White	Good	21	5.1	12/22/2005 11:04	POS	18.75	4.56
32501	3748 N 40 ST	S-PS-1	Siding	Siding	White	Good	22	3	12/22/2005 11:05	POS	21.61	6.59
32501	3748 N 40 ST	E-PS-2	Siding	Siding	White	Good	14	3	12/22/2005 10:59	POS	21.49	6.78
32501	3748 N 40 ST	W-PS-2	Window	Frame	White	Good	20	2.9	12/22/2005 11:03	POS	18.59	8.49
32501	3748 N 40 ST	W-PS-1	Siding	Siding	White	Good	19	3	12/22/2005 11:02	POS	26.55	11.09
32744	3724 S 18 ST	W-PS-1	Siding	Siding	White	Fair to Poor	37	5	12/19/2005 15:23	NEG	0	0.01
32744	3724 S 18 ST	W-PS-2	Foundation	Stucco	White	Fair to Poor	38	21	12/19/2005 15:25	NEG	0.01	0.02
32744	3724 S 18 ST	E-PS-1	Foundation	Stucco	White	Poor	35	7.6	12/19/2005 15:21	NEG	0.01	0.06
32744	3724 S 18 ST	S-PS-1	Garage	Siding	Yellow	Good	41	13.4	12/19/2005 15:29	NEG	0.62	0.24
32744	3724 S 18 ST	E-PS-1	Garage	Siding	Yellow	Good	39	9.2	12/19/2005 15:27	NEG	0.61	0.25
32744	3724 S 18 ST	E-PS-2	Garage Wind.	Frame	Yellow	Good	40	8.9	12/19/2005 15:28	NEG	0.53	0.26
32744	3724 S 18 ST	E-PS-2	Foundation	Lattice	White	Poor	36	10.8	12/19/2005 15:22	POS	1.64	0.36
33427	1812 Laird ST	S-PS-2	Window	Frame	Brown	Good	32	5.1	12/19/2005 14:10	NEG	0	0.01
33427	1812 Laird ST	S-PS-1	Porch	Step	Brown	Fair to Poor	31	7.5	12/19/2005 14:09	NEG	0.01	0.03
33427	1812 Laird ST	E-PS-1	Foundation	Stucco	Brown	Good	33	25.2	12/19/2005 14:11	NEG	0.01	0.07
33427	1812 Laird ST	W-PS-1	Door	Threshold	Brown	Poor	34	18.8	12/19/2005 14:13	POS	1.41	0.24
33601	3166 Sprague ST	S-PS-3	Porch	Step	Black	Poor	19	29.8	12/20/2005 11:57	NEG	0.03	0.08
33601	3166 Sprague ST	N-PS-1	Window	Frame	White	Poor	24	19.3	12/20/2005 12:02	POS	1.29	0.22
33601	3166 Sprague ST	E-PS-2	Foundation	Cement Blk	Brown	Good	27	14.1	12/20/2005 12:04	NEG	0.07	0.25
33601	3166 Sprague ST	W-PS-3	Foundation	Cement Blk	White	Poor	23	13.8	12/20/2005 12:00	NEG	0.11	0.27
33601	3166 Sprague ST	S-PS-2	Window	Frame	Black	Poor	18	5	12/20/2005 11:56	NEG	0.26	0.28
33601	3166 Sprague ST	N-PS-2	Siding	Siding	White	Fair to Poor	25	3	12/20/2005 12:03	NEG	0.16	0.31
33601	3166 Sprague ST	S-PS-1	Siding	Siding	White	Poor	17	8.6	12/20/2005 11:54	POS	2	0.53
33601	3166 Sprague ST	W-PS-2	Window	Frame	White	Poor	22	11.2	12/20/2005 11:59	POS	1.92	0.58
33601	3166 Sprague ST	E-PS-1	Siding	Siding	White	Fair	26	8.6	12/20/2005 12:04	POS	3	0.95
33601	3166 Sprague ST	E-PS-3	Window	Frame	Black	Good	28	11.4	12/20/2005 12:05	POS	2.86	1.17
33601	3166 Sprague ST	W-PS-1	Siding	Siding	White	Poor	21	4.5	12/20/2005 11:59	POS	5.99	2.31
33601	3166 Sprague ST	S-PS-4	Door	Frame	Black	Poor	20	5	12/20/2005 11:58	POS	6.84	2.88
36911	5324 N 26 ST	S-PS-1	Window	Boarded Win.	Blue	Poor	8	5.1	12/23/2005 9:56	NEG	0	0.01
36911	5324 N 26 ST	S-PS-3	Siding	Siding	Tan	Fair	10	23.1	12/23/2005 9:57	NEG	0	0.06
36911	5324 N 26 ST	NULL	NULL	NULL	NULL	NULL	13	26.6	12/23/2005 10:32	NEG	0.92	0.08

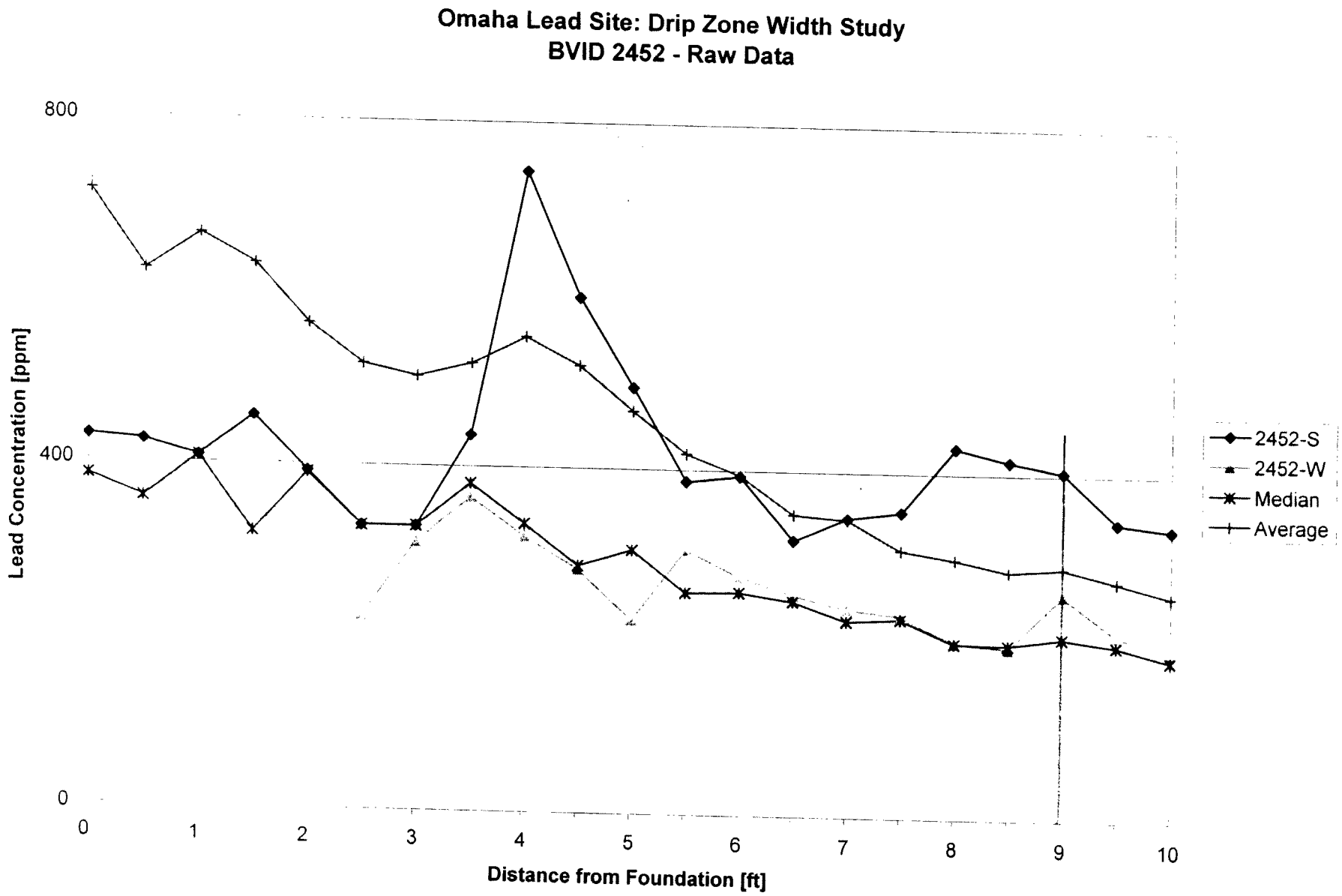
BVID	Address	XRF ID #	Structure	Feature	Paint Color	Condition	XLNo	Ssec	Date/Time	Result	Pbc	Pbc Error
36911	5324 N 26 ST	N-PS-1	Shed	Siding	Red	Good	12	5	12/23/2005 10:00	NEG	0	0.11
36911	5324 N 26 ST	S-PS-4	Siding	Siding	Tan	Fair	11	48	12/23/2005 9:58	POS	1.61	0.6
36911	5324 N 26 ST	E-PS-2	Window	Frame	Blue	Poor	6	21.6	12/23/2005 9:52	POS	1.89	0.87
36911	5324 N 26 ST	S-PS-2	Window	Frame	Blue	Poor	9	6.8	12/23/2005 9:56	POS	3.46	1.01
36911	5324 N 26 ST	E-PS-1	Siding	Siding	Tan	Fair	5	9.9	12/23/2005 9:45	POS	4.33	1.82
36911	5324 N 26 ST	E-PS-3	Door	Frame	Blue	Poor	7	5.1	12/23/2005 9:55	POS	7.88	2.56
37404	2907 Ellison AV	N-PS-1	Siding	Siding	White	Good	5	3	12/20/2005 10:45	NEG	0	0.01
37404	2907 Ellison AV	N-PS-2	Window	Frame	White	Good	6	7.2	12/20/2005 10:46	NEG	0	0.01
37404	2907 Ellison AV	S-PS-1	Storm Door	Frame	White	Poor	11	4.9	12/20/2005 10:51	NEG	0.01	0.02
37404	2907 Ellison AV	E-PS-3	Foundation	Cement Blk	Brown	Good	10	11.8	12/20/2005 10:50	NEG	0.06	0.07
37404	2907 Ellison AV	N-PS-1	Garage	Siding	White	Fair to Poor	15	5.1	12/20/2005 10:54	NEG	0	0.08
37404	2907 Ellison AV	N-PS-3	Porch	Ledge	White	Good	7	4.9	12/20/2005 10:47	NEG	0.09	0.15
37404	2907 Ellison AV	N-PS-2	Garage	Door	White	Fair to Poor	16	3	12/20/2005 10:55	NEG	0.01	0.25
37404	2907 Ellison AV	W-PS-1	Window	Frame	White	Fair to Poor	13	13.3	12/20/2005 10:53	POS	3.34	1.28
37404	2907 Ellison AV	W-PS-2	Siding	Siding	White	Fair to Poor	14	3.1	12/20/2005 10:53	POS	23.53	7.2
37404	2907 Ellison AV	S-PS-2	Siding	Siding	White	Poor	12	3.1	12/20/2005 10:52	POS	29.52	7.55
37404	2907 Ellison AV	E-PS-1	Siding	Siding	White	Good	8	3.1	12/20/2005 10:48	POS	25.82	7.83
37404	2907 Ellison AV	E-PS-2	Siding	Bottom Trim	Brown	Good	9	2.9	12/20/2005 10:49	POS	22.37	10.56
37459	5524 N 27 ST	E-PS-4	Porch	Step	Blue	Fair to Poor	8	14	12/19/2005 9:46	NEG	0.05	0.13
37459	5524 N 27 ST	W-PS-1	Garage	Siding	White	Fair to Poor	11	3	12/19/2005 9:52	NEG	0	0.14
37459	5524 N 27 ST	E-PS-3	Foundation	Cement Blk	Blue	Good	7	20.9	12/19/2005 9:40	NEG	-0.3	1.12
37459	5524 N 27 ST	E-PS-2	Window	Frame	Blue	Good	6	5.1	12/19/2005 9:40	POS	13.06	3.28
37459	5524 N 27 ST	E-PS-1	Siding	Siding	White	Good	5	3	12/19/2005 9:40	POS	10.39	4.17
37459	5524 N 27 ST	N-PS-1	Siding	Siding	White	Good	9	5.1	12/19/2005 9:47	POS	21.15	4.88
37459	5524 N 27 ST	W-PS-2	Garage	Siding	White	Fair to Poor	12	3.1	12/19/2005 9:52	POS	15.94	5.8
37459	5524 N 27 ST	N-PS-2	Trim	Trim	Blue	Good	10	3	12/19/2005 9:49	POS	25.63	11.28
37506	2427 Ellison AV	E-PS-1	Shed	Siding	White	Poor	19	5.1	12/19/2005 11:05	NEG	0	0.01
37506	2427 Ellison AV	E-PS-2	Shed	Door Frame	White	Poor	20	4.9	12/19/2005 11:05	NEG	0	0.01
37506	2427 Ellison AV	N-PS-2	Garage Door	Frame	White	Poor	22	4.9	12/19/2005 11:08	NEG	0	0.01
37506	2427 Ellison AV	E-PS-1	Garage	Siding	White	Poor	23	5	12/19/2005 11:09	NEG	0	0.01
37506	2427 Ellison AV	E-PS-1	Foundation	Cement Blk	White	Fair to Good	18	27.5	12/19/2005 11:00	NEG	0.04	0.03
37506	2427 Ellison AV	N-PS-2	Porch	Ledge	Grey	Poor	14	5.1	12/19/2005 10:54	NEG	0.02	0.06
37506	2427 Ellison AV	N-PS-1	Garage Door	Door	White	Poor	21	3	12/19/2005 11:06	NEG	0	0.13
37506	2427 Ellison AV	W-PS-1	Foundation	Cement Blk	White	Fair to Good	17	9.8	12/19/2005 10:59	NEG	0.1	0.29
37506	2427 Ellison AV	NULL	NULL	NULL	NULL	NULL	16	44.8	12/19/2005 10:57	INCOM	1.12	0.61
37506	2427 Ellison AV	N-PS-1	Porch	Step	Green	Poor	13	4.2	12/19/2005 10:52	POS	5.1	1.13
37506	2427 Ellison AV	N-PS-3	Porch Step	Stringer	Blue	Poor	15	5.1	12/19/2005 10:55	POS	7.88	2.7
49066	4721 S 18 ST	W-PS-2	Porch	Ledge	Olive	Good	6	20.4	12/15/2005 12:17	NEG	0.01	0.01
49066	4721 S 18 ST	N-PS-1	Trim	Trim	Olive	Good	8	4.8	12/15/2005 12:21	NEG	0	0.01
49066	4721 S 18 ST	N-PS-2	Window	Frame	Olive	Good	9	4.9	12/15/2005 12:24	NEG	0	0.01
49066	4721 S 18 ST	S-PS-1	Siding	Siding	Olive	Good	11	4.9	12/15/2005 12:25	NEG	0	0.01
49066	4721 S 18 ST	S-PS-2	Window	Frame	Tan	Good	12	5.1	12/15/2005 12:26	NEG	0	0.01
49066	4721 S 18 ST	E-PS-1	Window	Frame	Olive	Good	10	4.9	12/15/2005 12:25	NEG	0.01	0.02
49066	4721 S 18 ST	W-PS-1	Siding	Brick	Tan	Good	5	21	12/15/2005 12:14	NEG	0.02	0.06
49066	4721 S 18 ST	W-PS-3	Fascia	Fascia	Olive	Good	7	11.6	12/15/2005 12:18	POS	3.4	1.34
49149	2702 S 19 ST	N-PS-1	Porch	Door	White	Poor	6	7.3	12/27/2005 11:59	NEG	0.19	0.13
49149	2702 S 19 ST	E-PS-1	Column	Column	White	Good	5	21.5	12/27/2005 11:58	NEG	0.09	0.22
49149	2702 S 19 ST	N-PS-2	Window	Frame	White	Good	7	8	12/27/2005 12:00	NEG	0.15	0.29
49149	2702 S 19 ST	E-PS-1	Garage Door	Door	White	Poor	9	5	12/27/2005 12:03	NEG	0.26	0.34
49149	2702 S 19 ST	W-PS-1	Column	Column	Brown	Good	8	8.8	12/27/2005 12:02	POS	2.21	0.62
49565	204 S 48 ST	E-PS-2	Window	Boarded Win.	White	Good	47	5.1	12/21/2005 16:16	NEG	0	0.01
49565	204 S 48 ST	E-PS-2	Garage Found.	Cement Blk	White	Good	54	20.5	12/21/2005 16:23	NEG	0.01	0.02
49565	204 S 48 ST	E-PS-3	Garage	Door Frame	White	Good	55	7.2	12/21/2005 16:23	NEG	0.03	0.03
49565	204 S 48 ST	W-PS-1	Window	Sill	White	Poor	50	5.1	12/21/2005 16:18	NEG	0.01	0.17
49565	204 S 48 ST	W-PS-2	Siding	Siding	White	Fair to Poor	51	5.1	12/21/2005 16:19	NEG	0.08	0.24
49565	204 S 48 ST	S-PS-1	Bmnt Stairway	Siding	White	Poor	52	7	12/21/2005 16:20	NEG	0.19	0.26
49565	204 S 48 ST	E-PS-1	Garage	Door	White	Good	53	11.1	12/21/2005 16:22	NEG	0.26	0.33
49565	204 S 48 ST	N-PS-1	Window	Frame	White	Good	49	4.9	12/21/2005 16:17	POS	14.84	3.31
49565	204 S 48 ST	E-PS-1	Window	Frame	White	Good	46	5.1	12/21/2005 16:13	POS	17.8	3.89
49565	204 S 48 ST	E-PS-3	Window	Frame	White	Good	48	2.6	12/21/2005 16:16	POS	22.66	9.43
49643	4601 Davenport ST	N-PS-1	Porch Step	Stringer	Green	Poor	27	4.9	12/21/2005 13:41	NEG	0	0.01
49643	4601 Davenport ST	N-PS-2	Door	Door	Green/White	Poor	28	5	12/21/2005 13:42	NEG	0	0.01
49643	4601 Davenport ST	N-PS-3	Planter	Planter	Green	Good	29	5	12/21/2005 13:43	NEG	0	0.01
49643	4601 Davenport ST	E-PS-1	Foundation	Lattice	White	Poor	30	5.1	12/21/2005 13:44	NEG	0	0.02
49643	4601 Davenport ST	E-PS-1	Garage Found.	Cement Blk	Grey	White	34	20.2	12/21/2005 13:49	NEG	0.09	0.05
49643	4601 Davenport ST	E-PS-2	Chimney	Chimney	Grey	Poor	31	8.8	12/21/2005 13:45	POS	2.58	0.73
49643	4601 Davenport ST	S-PS-1	Window	Frame	White	Poor	33	6.7	12/21/2005 13:46	POS	4.66	1.75
49643	4601 Davenport ST	E-PS-3	Window	Frame	White	Poor	32	4.5	12/21/2005 13:46	POS	6.32	2.5
49766	4602 California ST	N-PS-2	Foundation	Cement Blk	White	Good	17	9.7	12/21/2005 11:13	NEG	0.01	0.04
49766	4602 California ST	S-PS-1	Shed	Siding	White	Good	19	4.8	12/21/2005 11:15	NEG	0	0.1
49766	4602 California ST	E-PS-1	Siding	Siding	White	Fair	18	20.5	12/21/2005 11:14	NEG	0.02	0.13
49766	4602 California ST	W-PS-1	Siding	Siding	White	Good	14	7.3	12/21/2005 11:10	NEG	0.15	0.24
49766	4602 California ST	S-PS-1	Siding	Siding	White	Good	12	11.8	12/21/2005 11:05	NEG	0.11	0.25
49766	4602 California ST	S-PS-2	Window	Frame	White	Good	13	20	12/21/2005 11:07	NEG	0.78	0.38
49766	4602 California ST	N-PS-1	Siding	Siding	White	Good	16	14	12/21/2005 11:12	NEG	0.28	0.38
49766	4602 California ST	W-PS-2	Window	Sill	White	Good	15	20.4	12/21/2005 11:11	POS	1.36	0.48

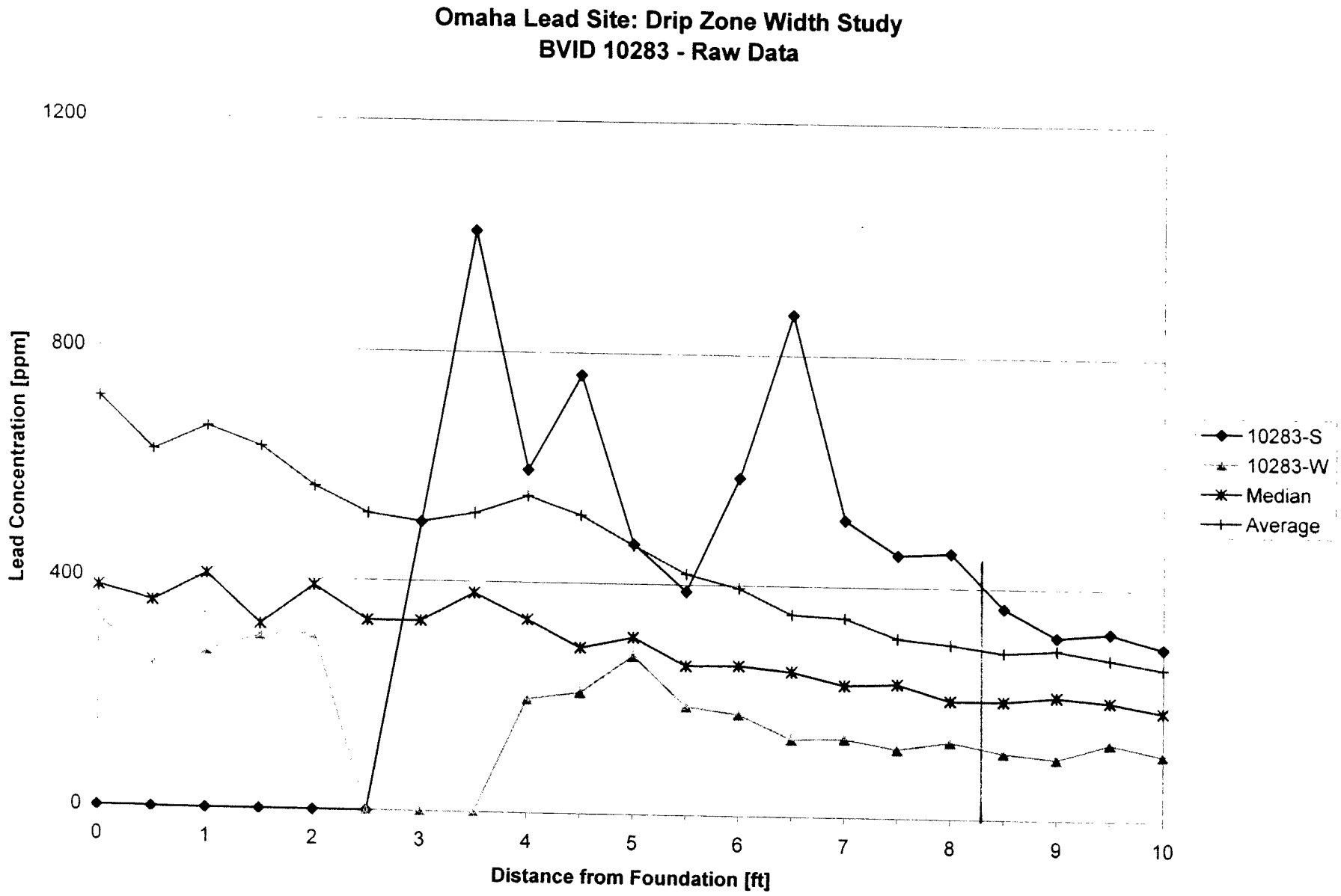
BVID	Address	XRF ID #	Structure	Feature	Paint Color	Condition	XLNo	Ssec	Date/Time	Result	Pbc	Pbc Error
49864	4713 Cuming ST	E-PS-2	Foundation	Cement Blk	White	Good	40	20.6	12/21/2005 15:07	NEG	0	0
49864	4713 Cuming ST	N-PS-3	Foundation	Lattice	White	Good	38	5.1	12/21/2005 15:05	NEG	0.01	0.01
49864	4713 Cuming ST	E-PS-1	Window	Sill	Blue	Good	39	5	12/21/2005 15:06	NEG	0	0.01
49864	4713 Cuming ST	S-PS-1	Foundation	Bottom Trim	White	Poor	42	7.1	12/21/2005 15:08	NEG	0	0.01
49864	4713 Cuming ST	W-PS-2	Overhang	Column	Purple	Good	44	4.9	12/21/2005 15:10	NEG	0.01	0.02
49864	4713 Cuming ST	N-PS-1	Siding	Siding	White	Good	36	11.4	12/21/2005 15:04	NEG	0.01	0.03
49864	4713 Cuming ST	N-PS-1	Garage	Wind. Frame	Grey	Good	45	5.1	12/21/2005 15:12	NEG	0.01	0.03
49864	4713 Cuming ST	NULL	NULL	NULL	NULL	NULL	35	0.9	12/21/2005 15:04	INCOM	0.01	0.06
49864	4713 Cuming ST	E-PS-3	Door	Door	White	Poor	41	4.9	12/21/2005 15:08	NEG	0	0.1
49864	4713 Cuming ST	W-PS-1	Window	Boarded Win.	White	Poor	43	5.1	12/21/2005 15:10	NEG	0.04	0.11
49864	4713 Cuming ST	N-PS-2	Foundation	Bottom Trim	Blue	Good	37	5.2	12/21/2005 15:04	POS	7.51	2.7
52373	4724 Davenport ST	E-PS-1	Window	Frame	White	Poor	46	5	12/22/2005 14:38	NEG	0.14	0.14
52373	4724 Davenport ST	W-PS-1	Window	Siding	White	Poor	44	5	12/22/2005 14:35	NEG	0.01	0.2
52373	4724 Davenport ST	S-PS-1	Window	Frame	White	Poor	41	13.4	12/22/2005 14:31	POS	2.9	1.3
52373	4724 Davenport ST	S-PS-2	Garage Door	Door	White	Poor	42	4.8	12/22/2005 14:33	POS	20.71	4.33
52373	4724 Davenport ST	W-PS-2	Window	Frame	White	Poor	45	4.2	12/22/2005 14:36	POS	23.68	4.92
52373	4724 Davenport ST	S-PS-3	Column	Column	White	Fair to Poor	43	2.8	12/22/2005 14:34	POS	35.53	13.5
52375	4624 Davenport ST	S-PS-2	Garage	Column	White	Poor	37	5	12/22/2005 13:27	NEG	0	0.01
52375	4624 Davenport ST	S-PS-2	Window	Sill	White	Poor	32	5.2	12/22/2005 13:22	NEG	0.31	0.29
52375	4624 Davenport ST	N-PS-1	Garage	Siding	White	Poor	39	9.3	12/22/2005 13:29	NEG	0.55	0.3
52375	4624 Davenport ST	S-PS-1	Window	Frame	White	Fair	31	6.8	12/22/2005 13:21	POS	2.53	0.71
52375	4624 Davenport ST	S-PS-3	Window	Frame	White	Good	33	4.6	12/22/2005 13:23	POS	4.47	1.62
52375	4624 Davenport ST	E-PS-1	Garage	Wind. Frame	White	Fair to Poor	40	6.9	12/22/2005 13:31	POS	4.4	1.63
52375	4624 Davenport ST	E-PS-1	Garage	Siding	White	Poor	38	7	12/22/2005 13:28	POS	4.71	1.66
52375	4624 Davenport ST	W-PS-1	Window	Frame	White	Fair to Poor	34	4.8	12/22/2005 13:23	POS	5.32	2.08
52375	4624 Davenport ST	N-PS-1	Window	Frame	White	Poor	35	4.7	12/22/2005 13:24	POS	6.32	2.25
52375	4624 Davenport ST	S-PS-1	Garage	Siding	White	Poor	36	5.1	12/22/2005 13:25	POS	6.53	2.61

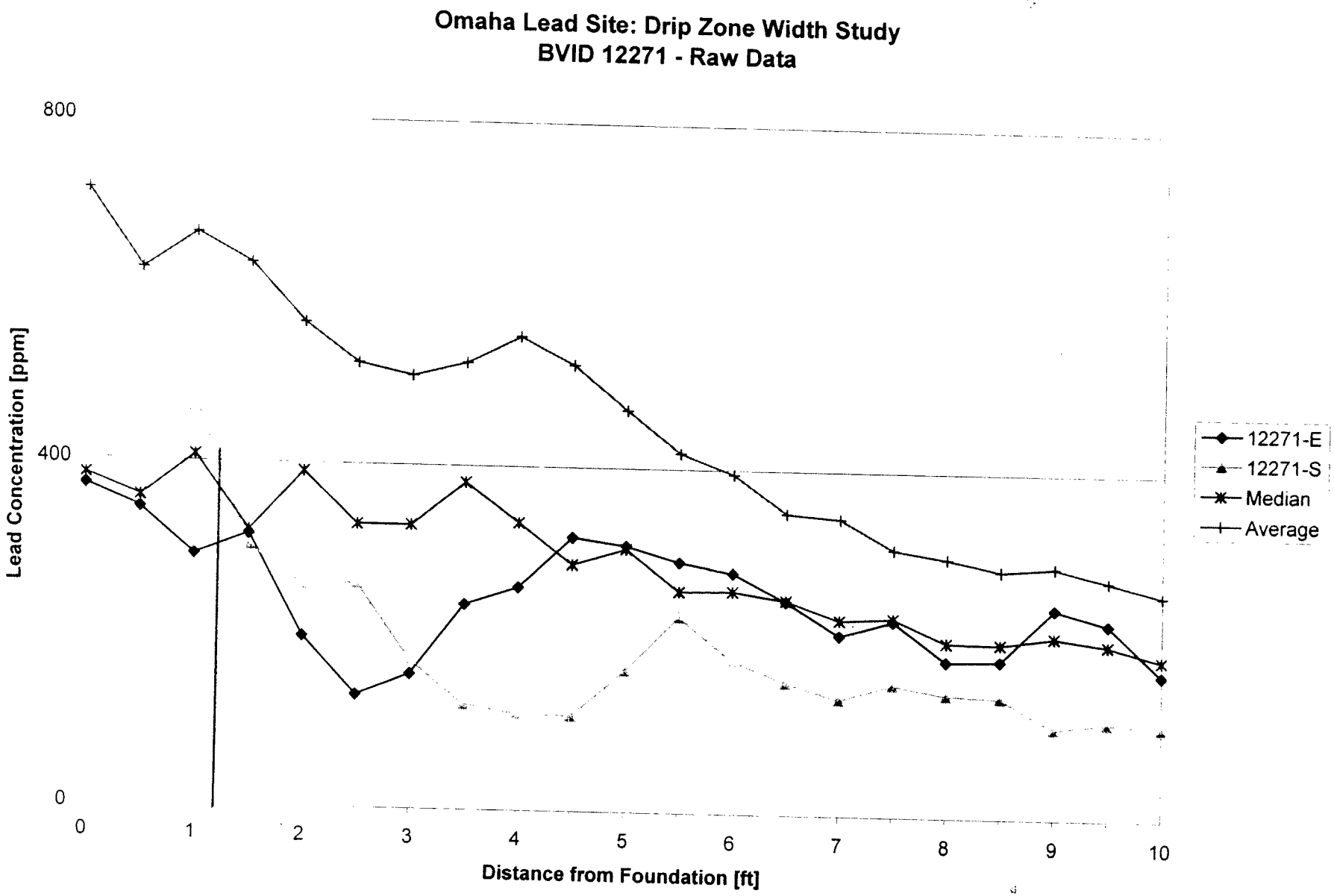
APPENDIX D

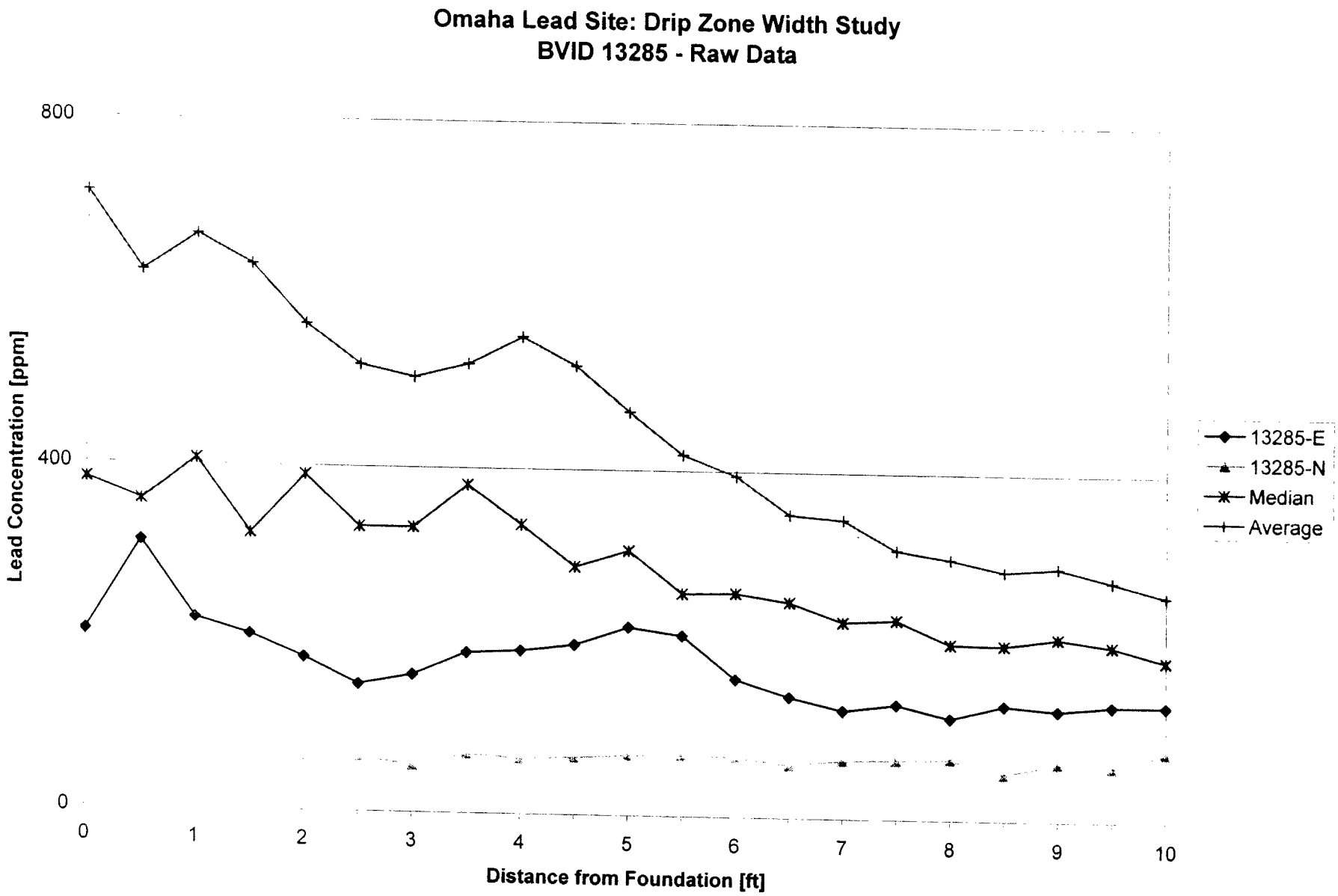
PLOTS OF DRIP ZONE SOIL LEAD CONCENTRATIONS VERSUS DISTANCE FROM FOUNDATION

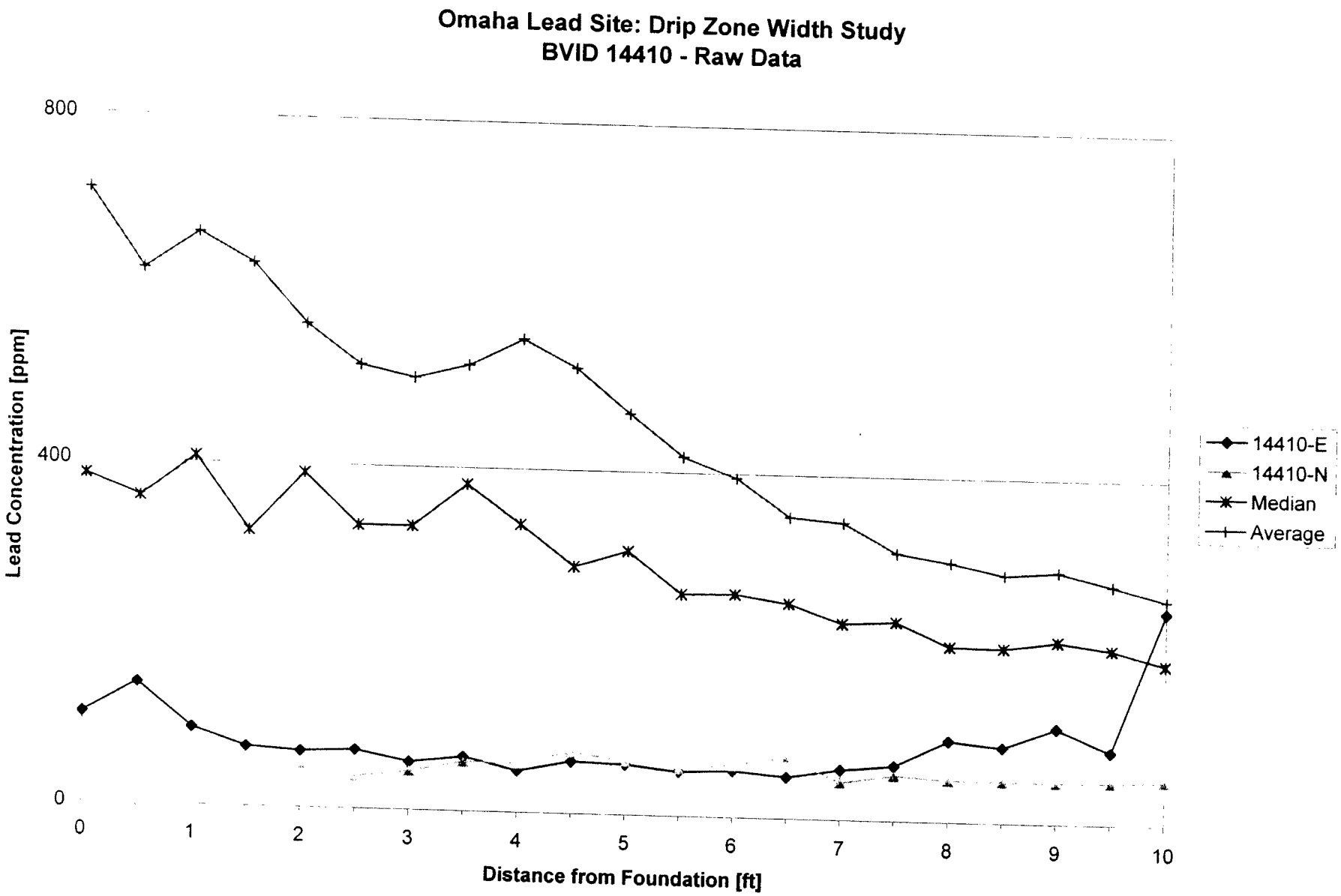
(NOTE: MEDIAN AND AVERAGE IN EACH INTERVAL WERE CALCULATED USING ALL DZWS DATA)

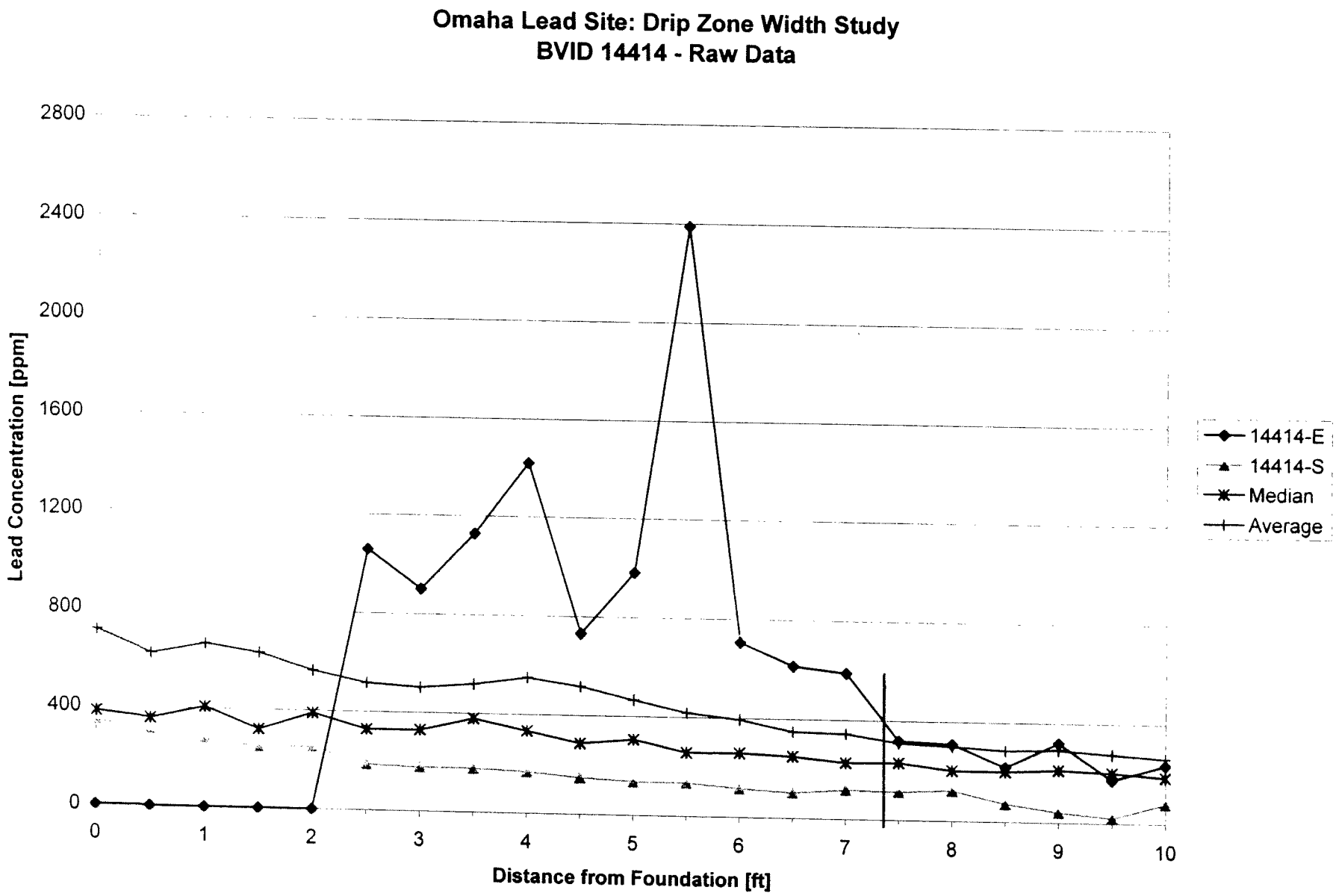

Omaha Lead Site: Drip Zone Width Study
BVID 2452 - Raw Data
800
400
0
Lead Concentration [ppm]
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
2452-S
2452-W
Median
Average

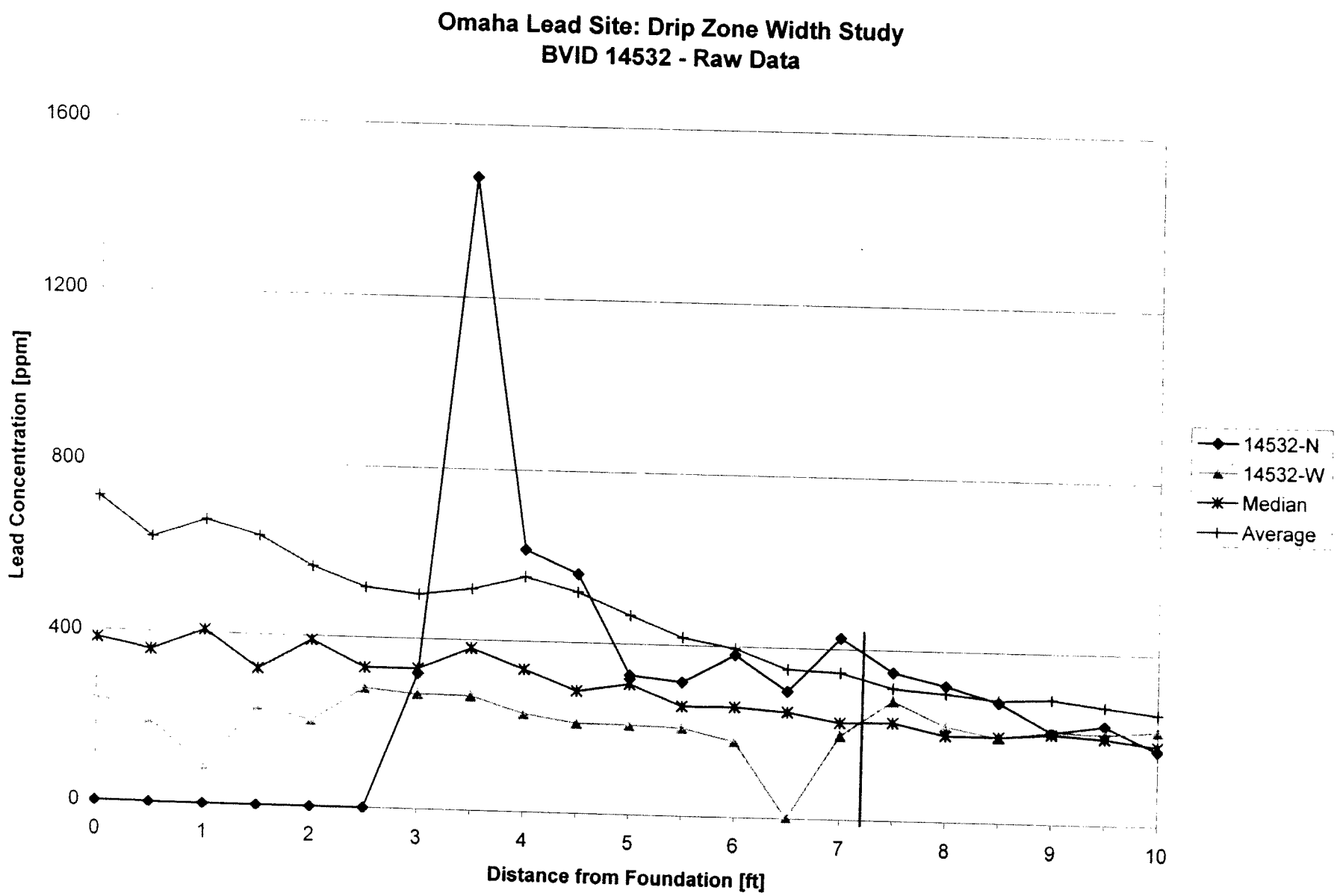

Omaha Lead Site: Drip Zone Width Study
BVID 10283 - Raw Data
Lead Concentration [ppm]
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
10283-S
10283-W
Median
Average

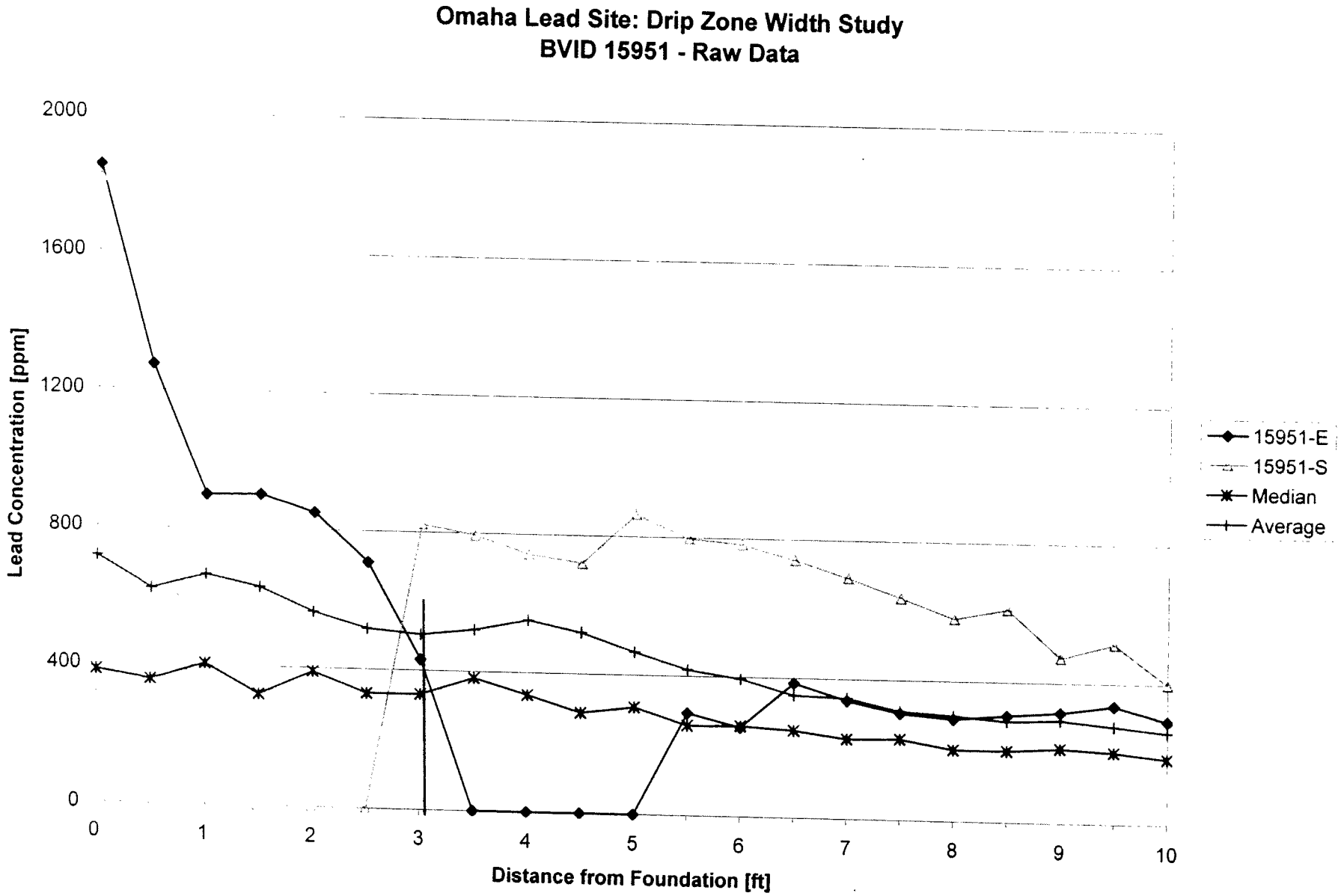

Omaha Lead Site: Drip Zone Width Study
BVID 12271 - Raw Data
800
400
0
Lead Concentration [ppm]
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
12271-E
12271-S
Median
Average

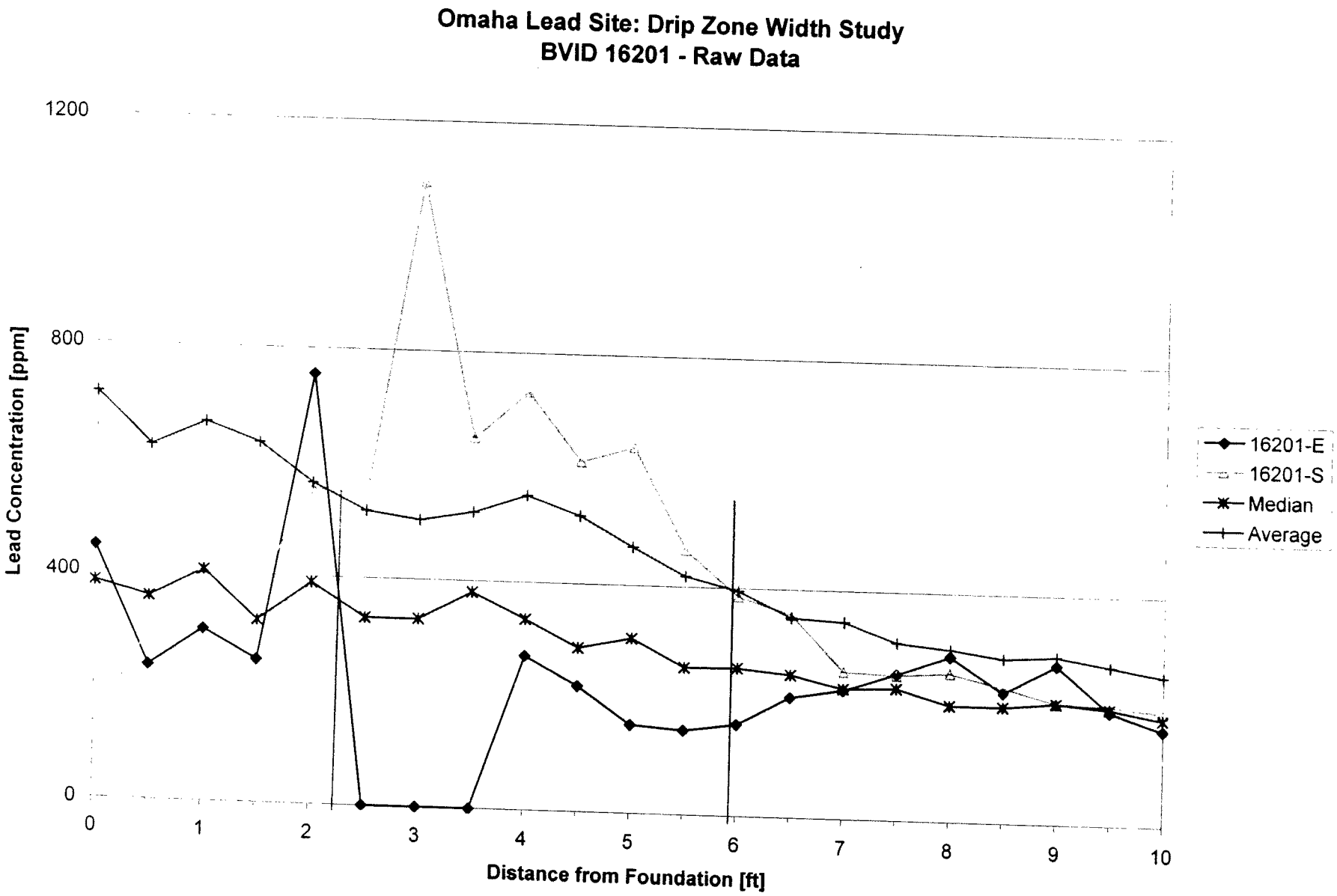

Omaha Lead Site: Drip Zone Width Study
BVID 13285 - Raw Data
800
400
0
Lead Concentration [ppm]
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
13285-E
13285-N
Median
Average

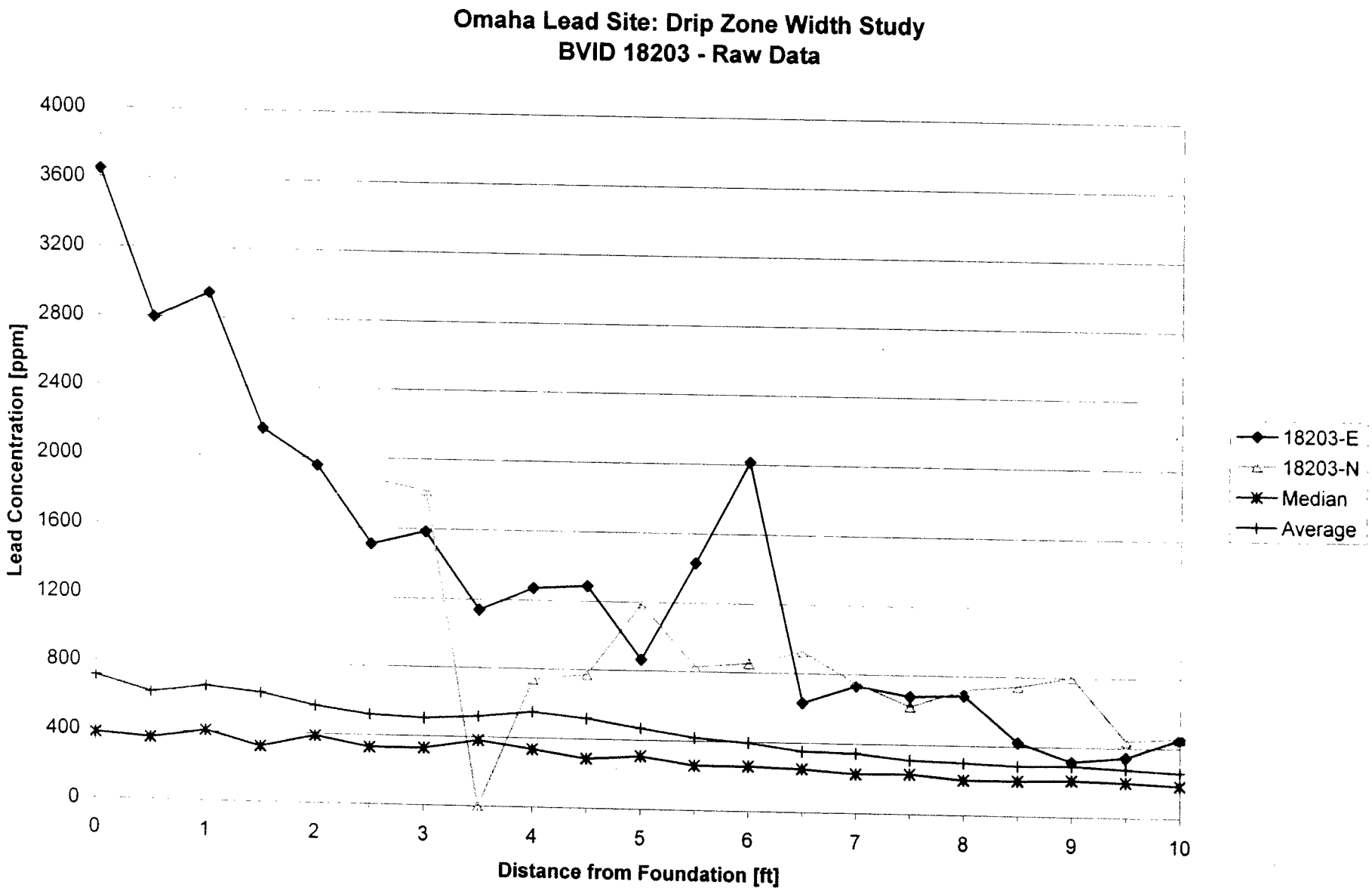

Omaha Lead Site: Drip Zone Width Study
BVID 14410 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
14410-E
14410-N
Median
Average

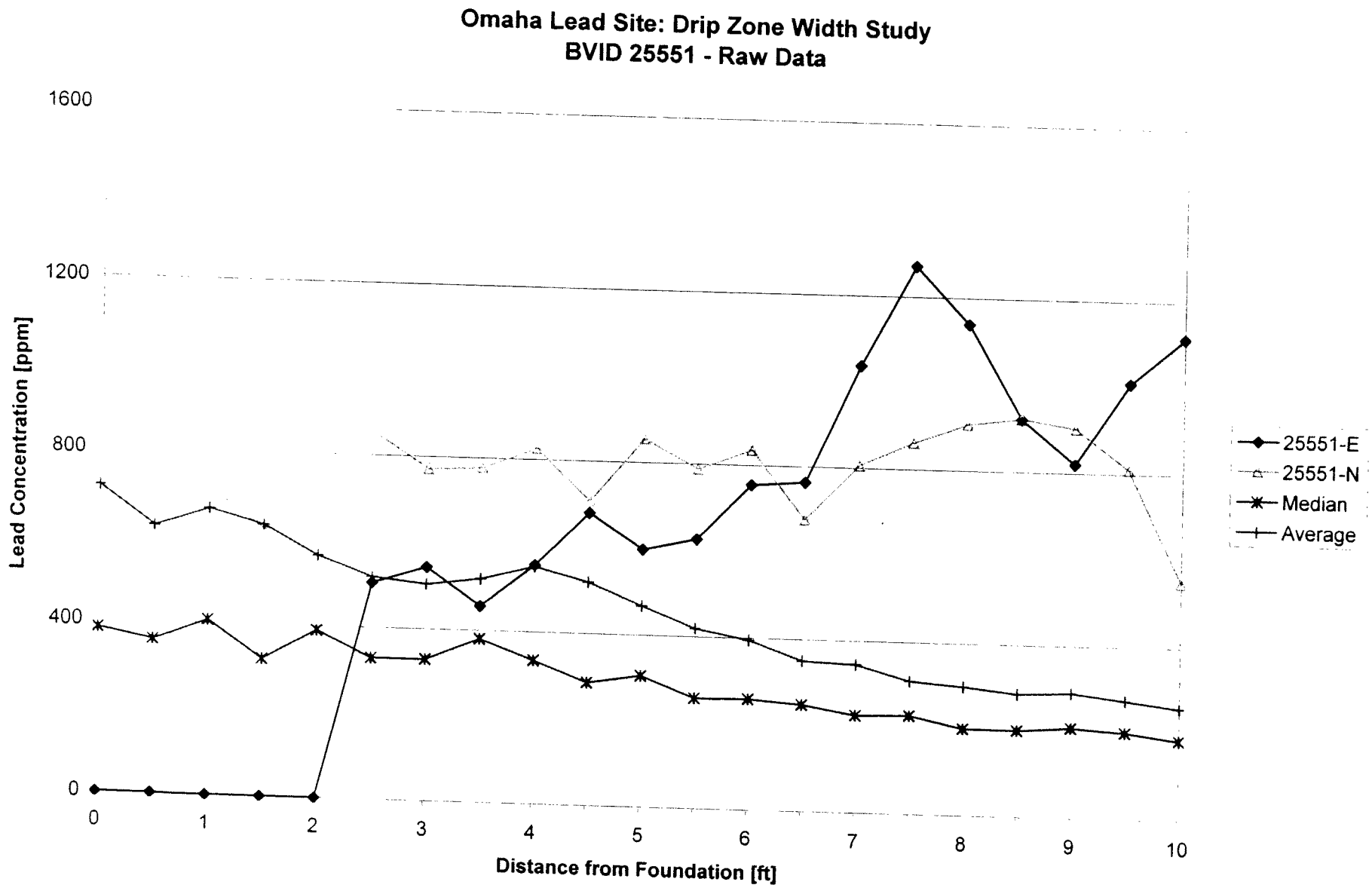

Omaha Lead Site: Drip Zone Width Study
BVID 14414 - Raw Data
Lead Concentration [ppm]
2800
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
14414-E
14414-S
Median
Average

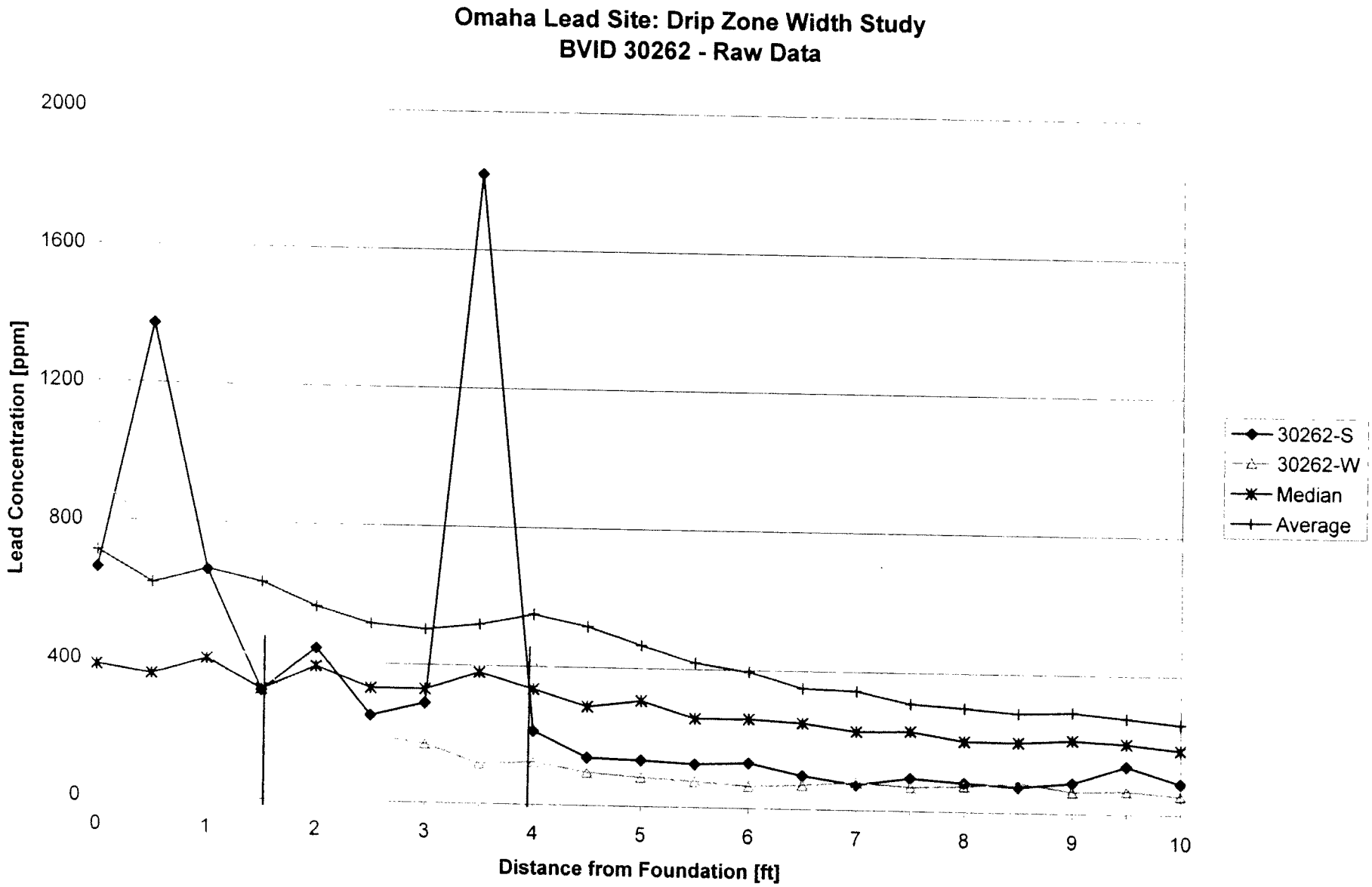

Omaha Lead Site: Drip Zone Width Study
BVID 14532 - Raw Data
Lead Concentration [ppm]
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
14532-N
14532-W
Median
Average

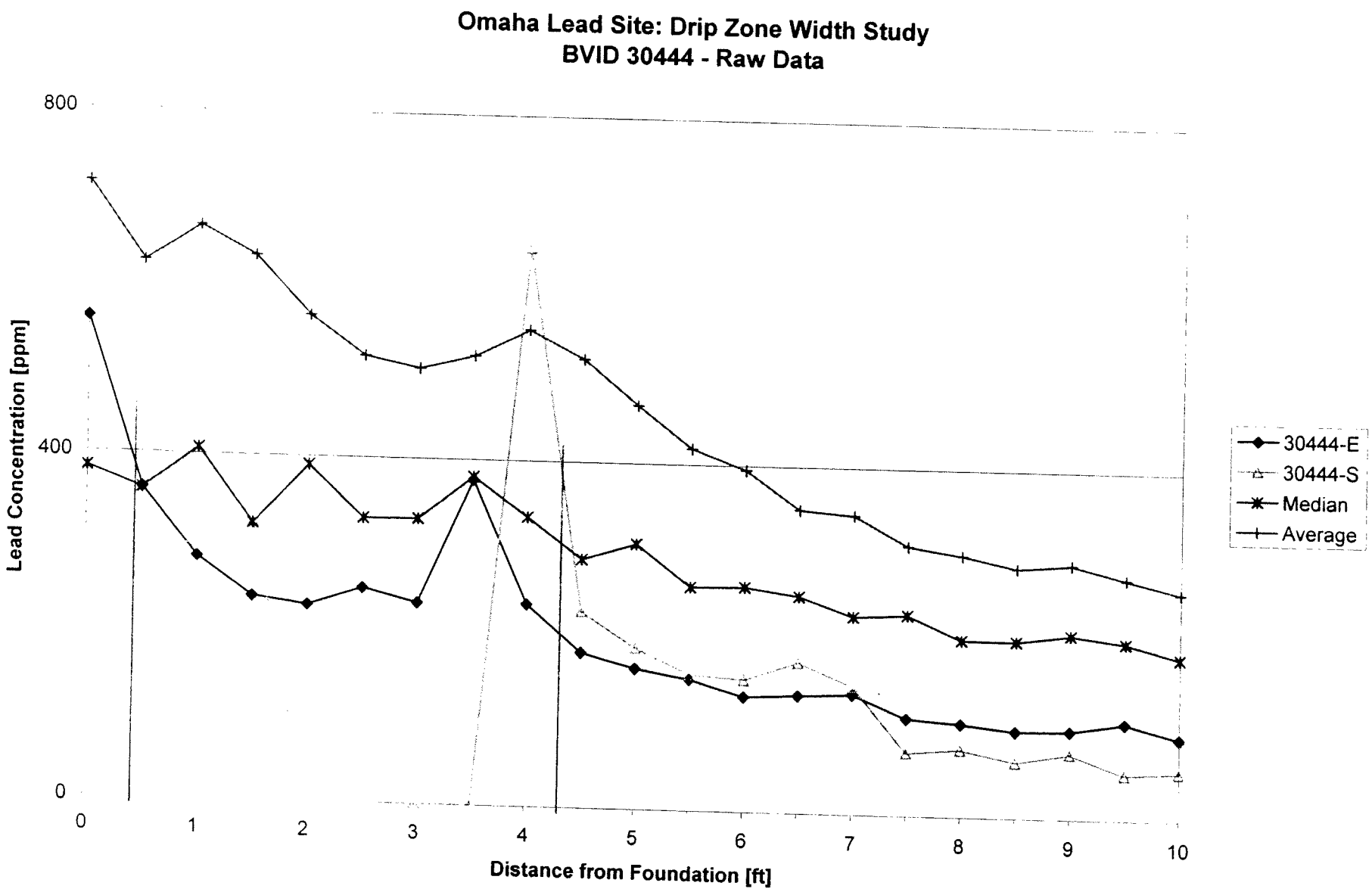

Omaha Lead Site: Drip Zone Width Study
BVID 15951 - Raw Data
Lead Concentration [ppm]
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
15951-E
15951-S
Median
Average

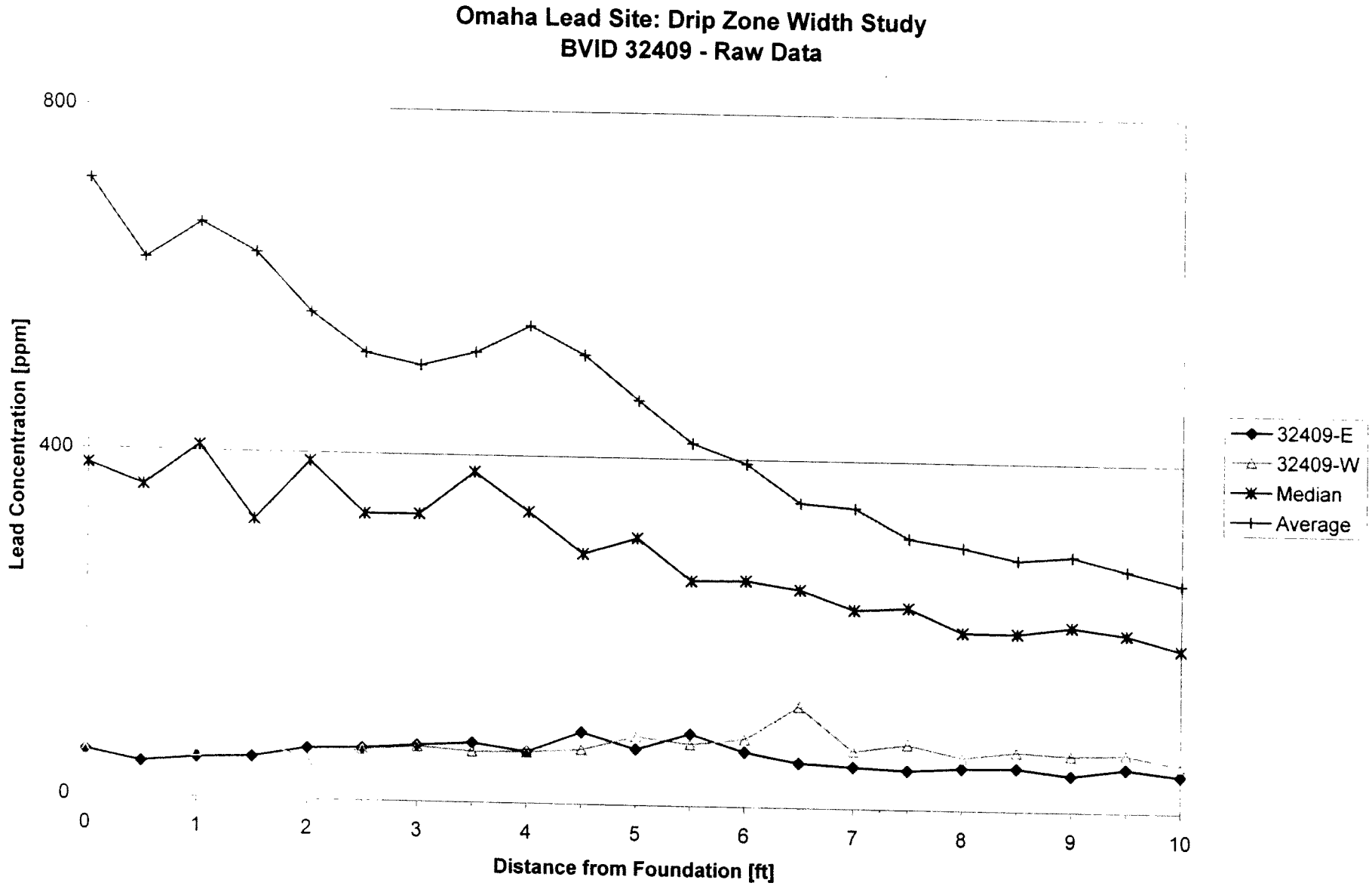

Omaha Lead Site: Drip Zone Width Study
BVID 16201 - Raw Data
Lead Concentration [ppm]
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
16201-E
16201-S
Median
Average

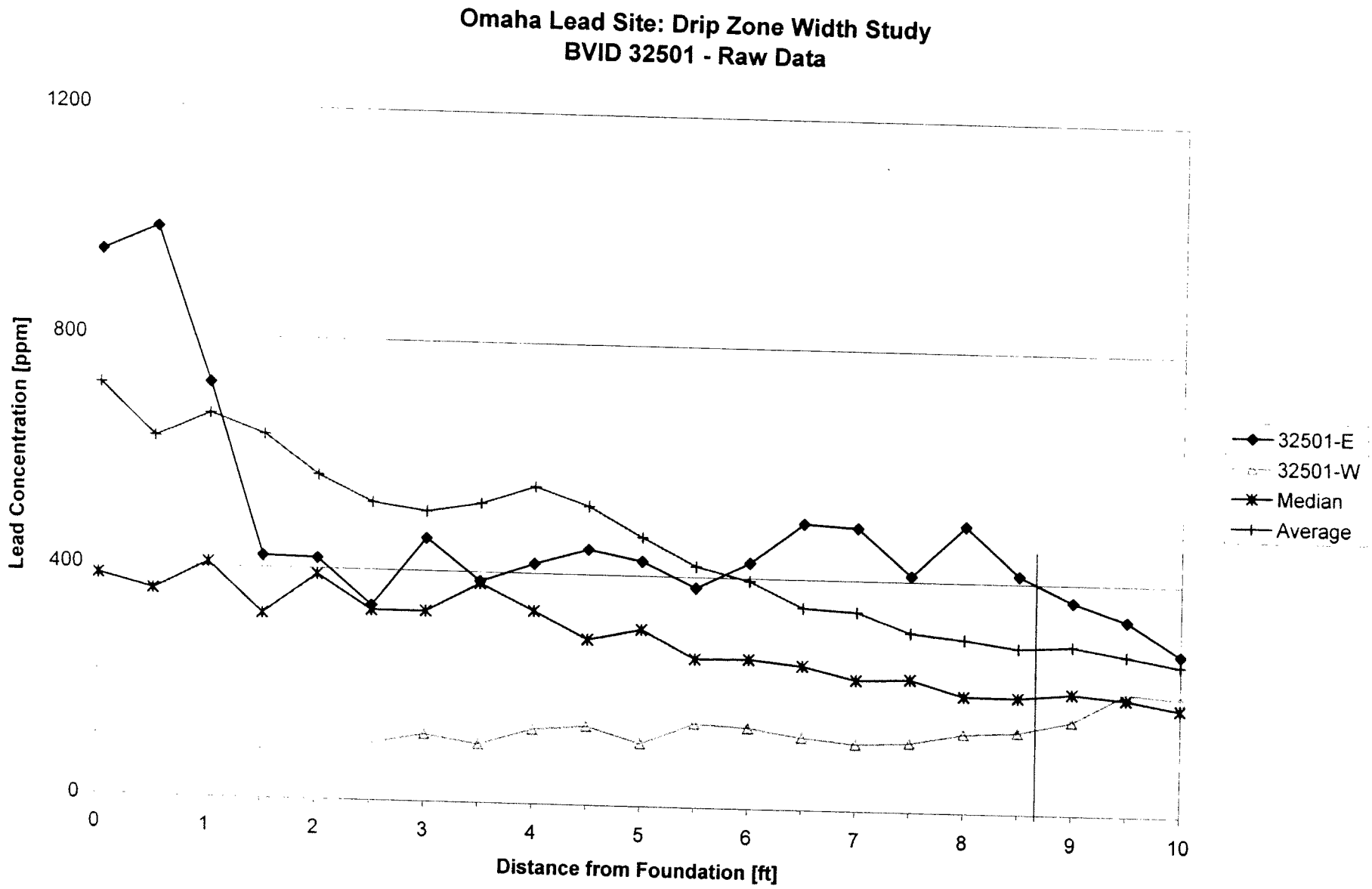

Omaha Lead Site: Drip Zone Width Study
BVID 18203 - Raw Data
Lead Concentration [ppm]
4000
3600
3200
2800
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
18203-E
18203-N
Median
Average

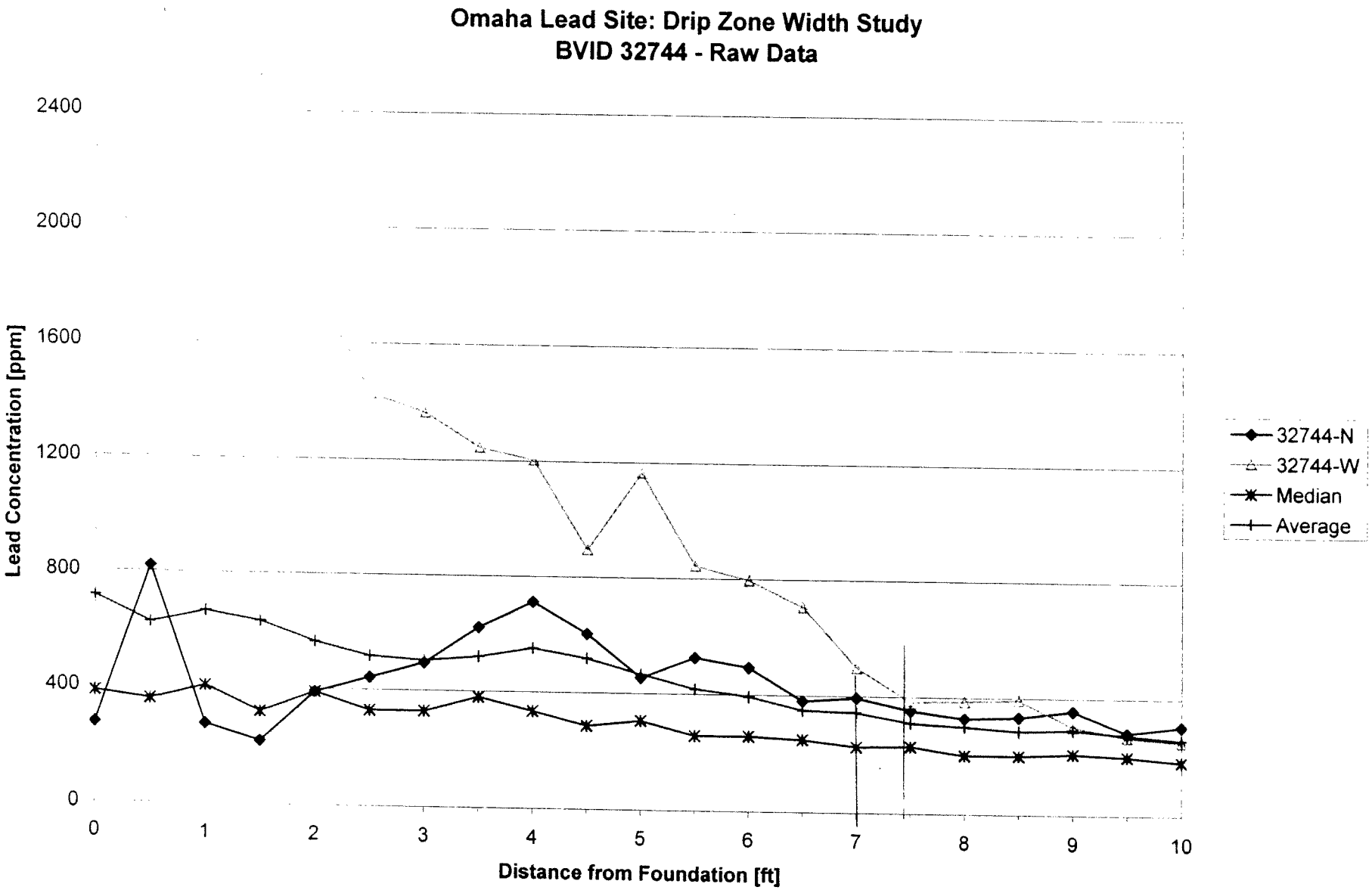

Omaha Lead Site: Drip Zone Width Study
BVID 25551 - Raw Data
Lead Concentration [ppm]
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
25551-E
25551-N
Median
Average

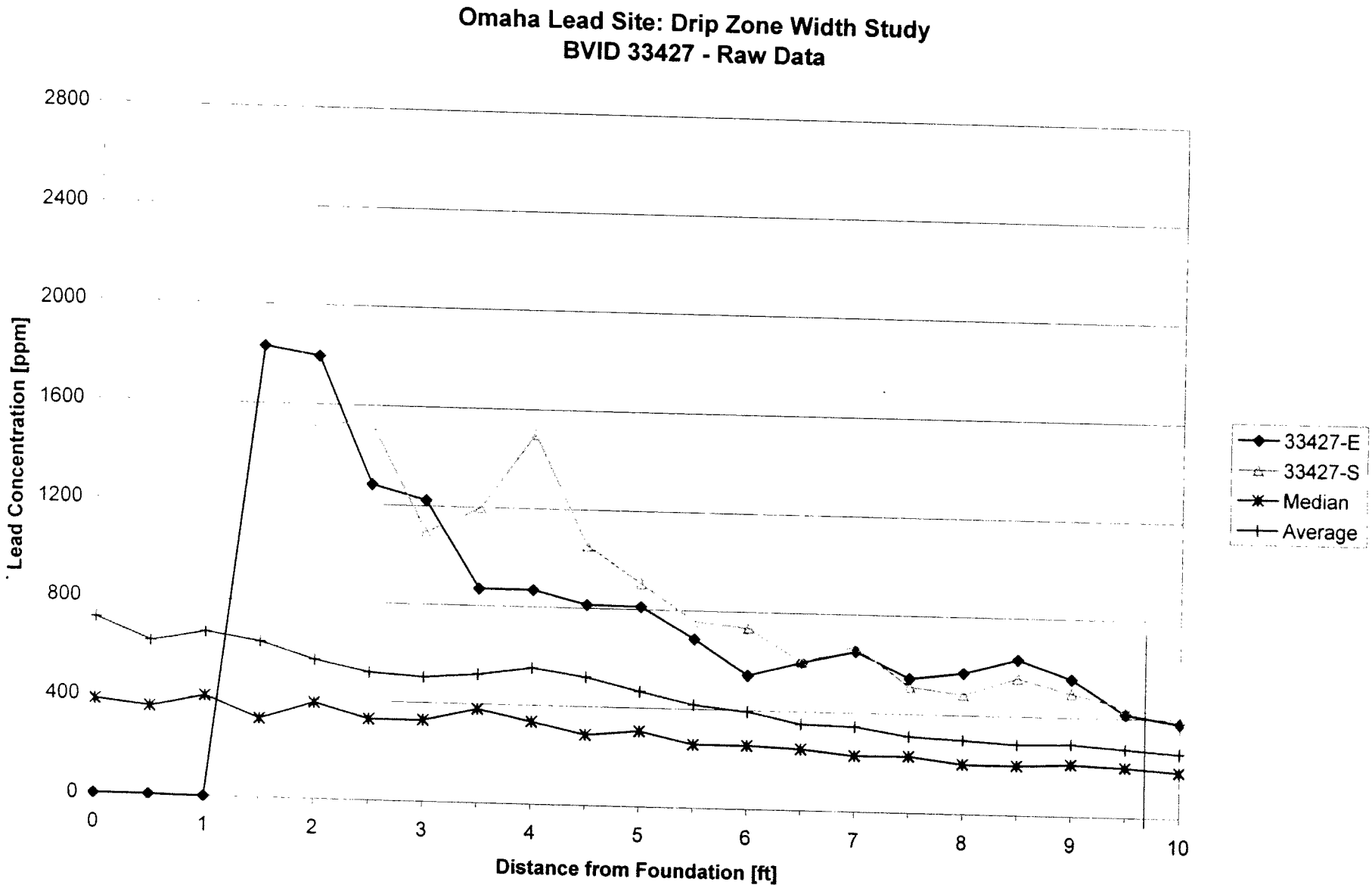

Omaha Lead Site: Drip Zone Width Study
BVID 30262 - Raw Data
Lead Concentration [ppm]
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
30262-S
30262-W
Median
Average

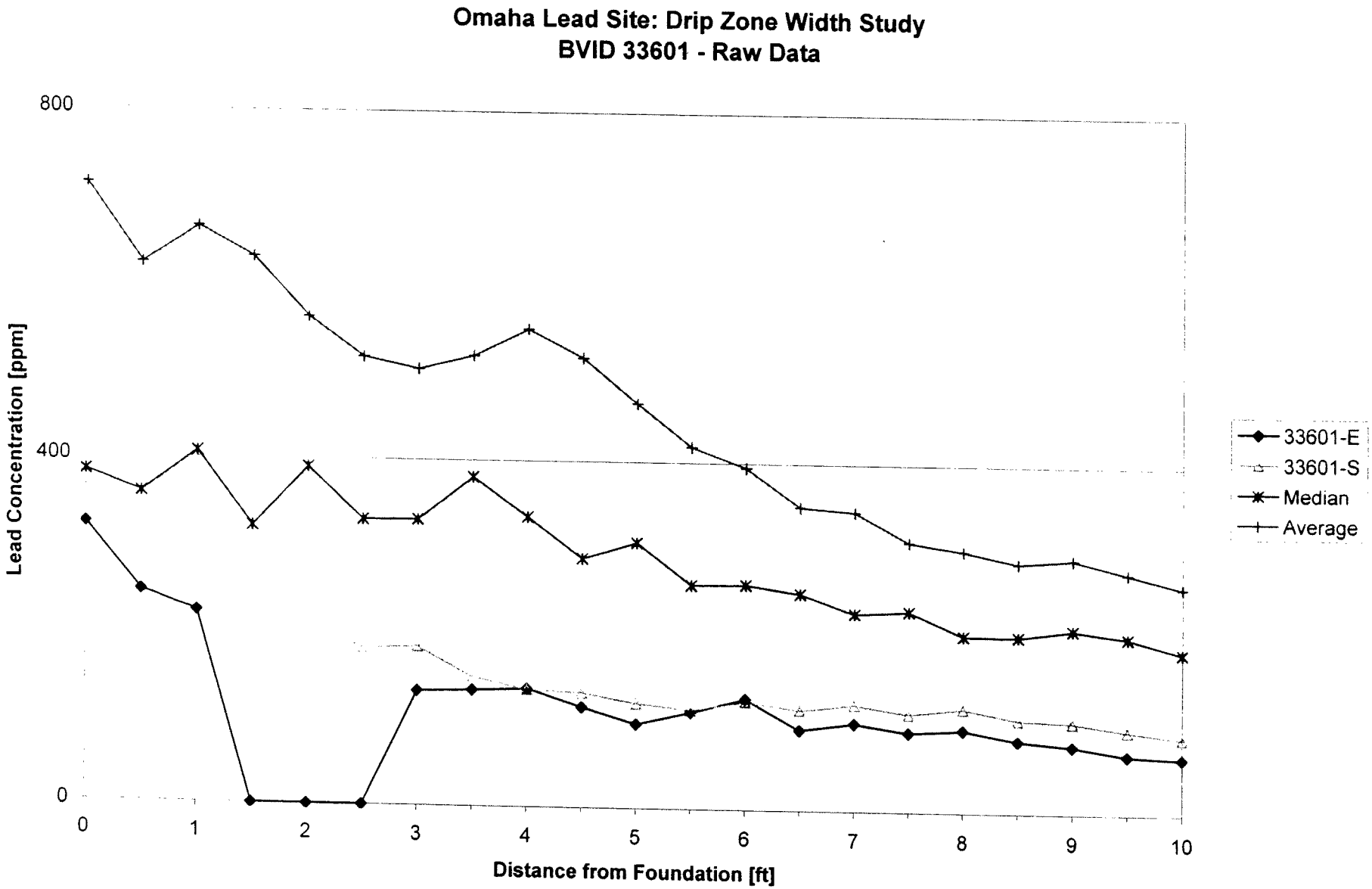

Omaha Lead Site: Drip Zone Width Study
BVID 30444 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
30444-E
30444-S
Median
Average

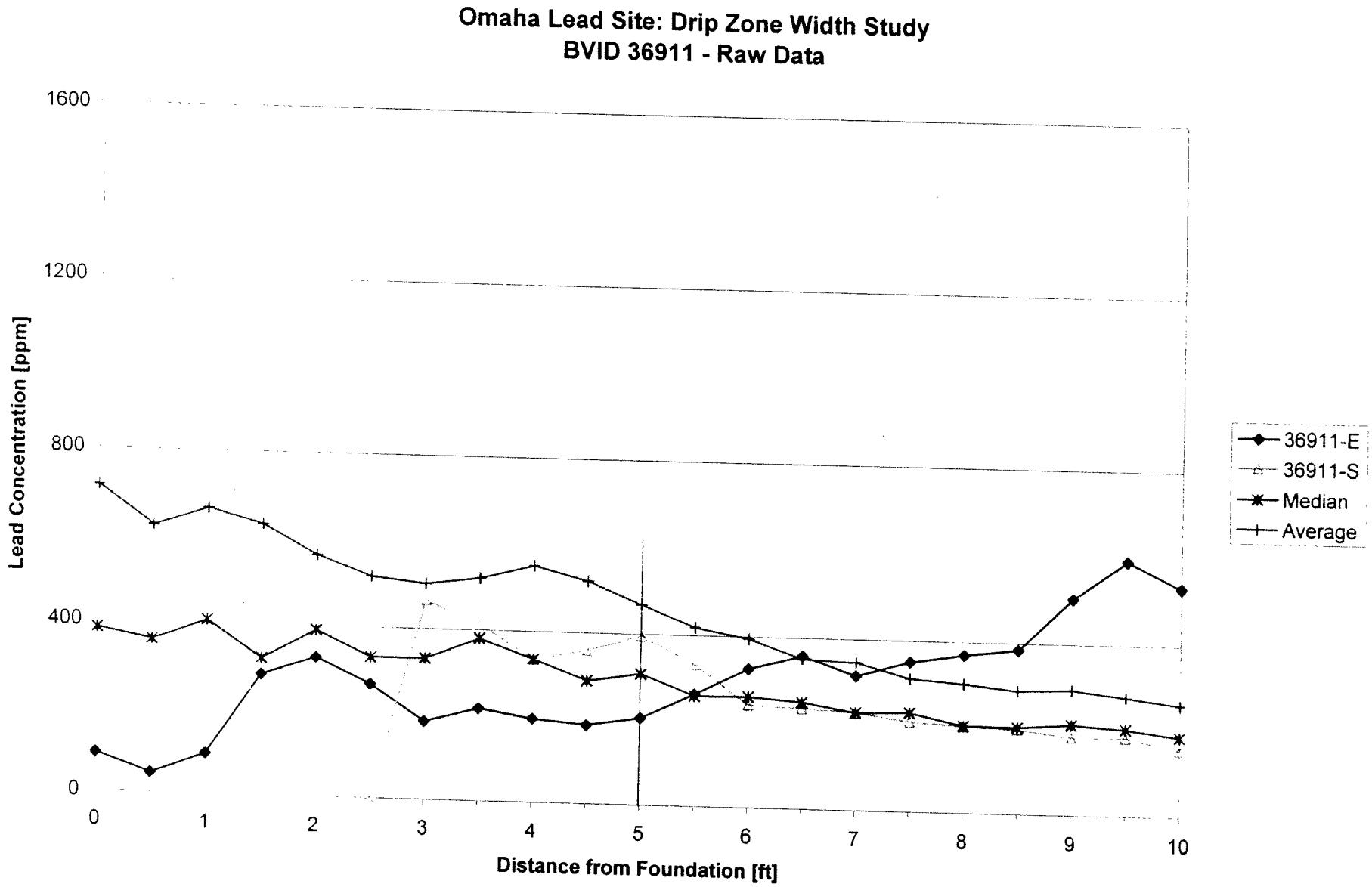

Omaha Lead Site: Drip Zone Width Study
BVID 32409 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
32409-E
32409-W
Median
Average

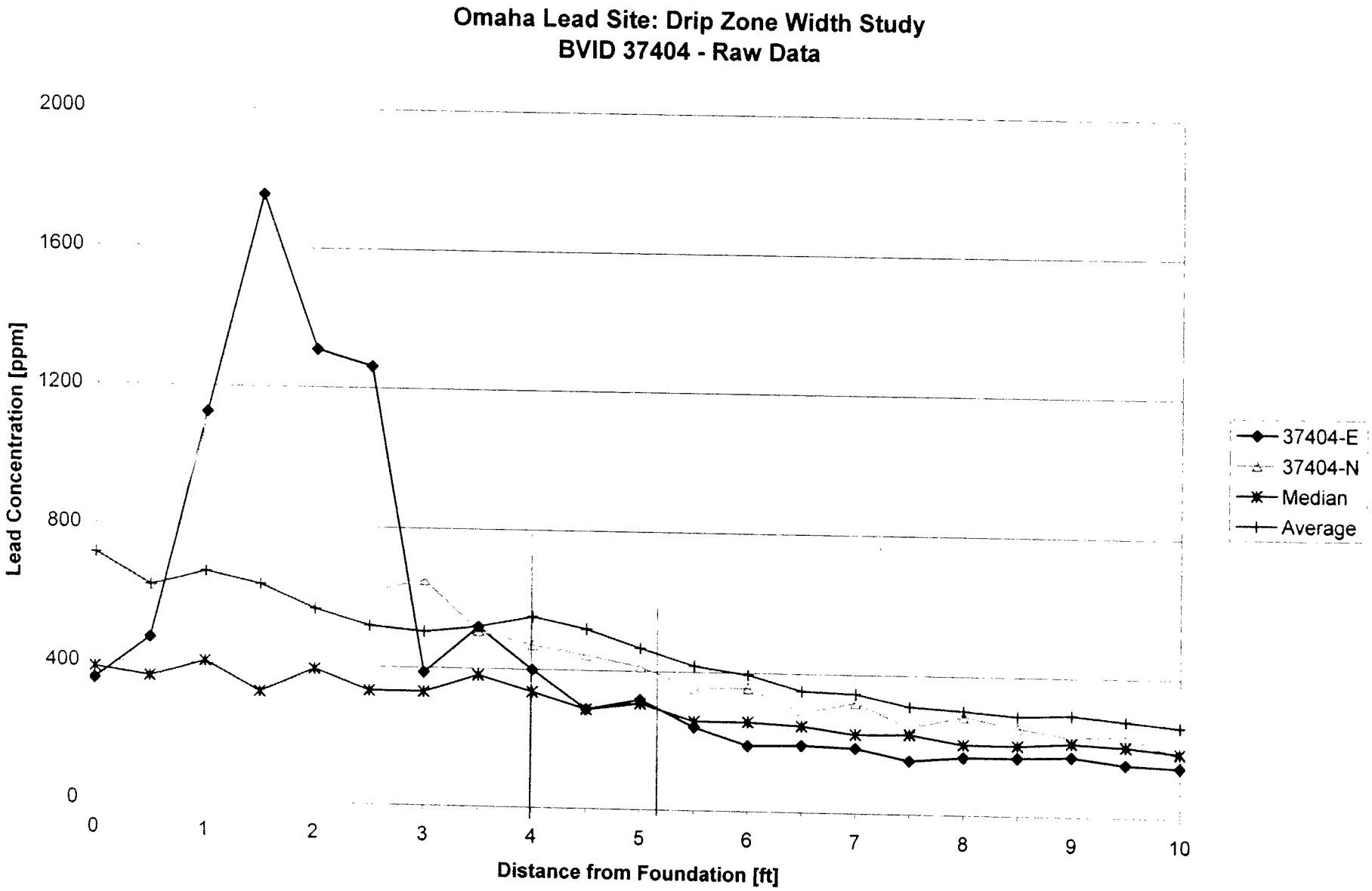

Omaha Lead Site: Drip Zone Width Study
BVID 32501 - Raw Data
Lead Concentration [ppm]
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
32501-E
32501-W
Median
Average

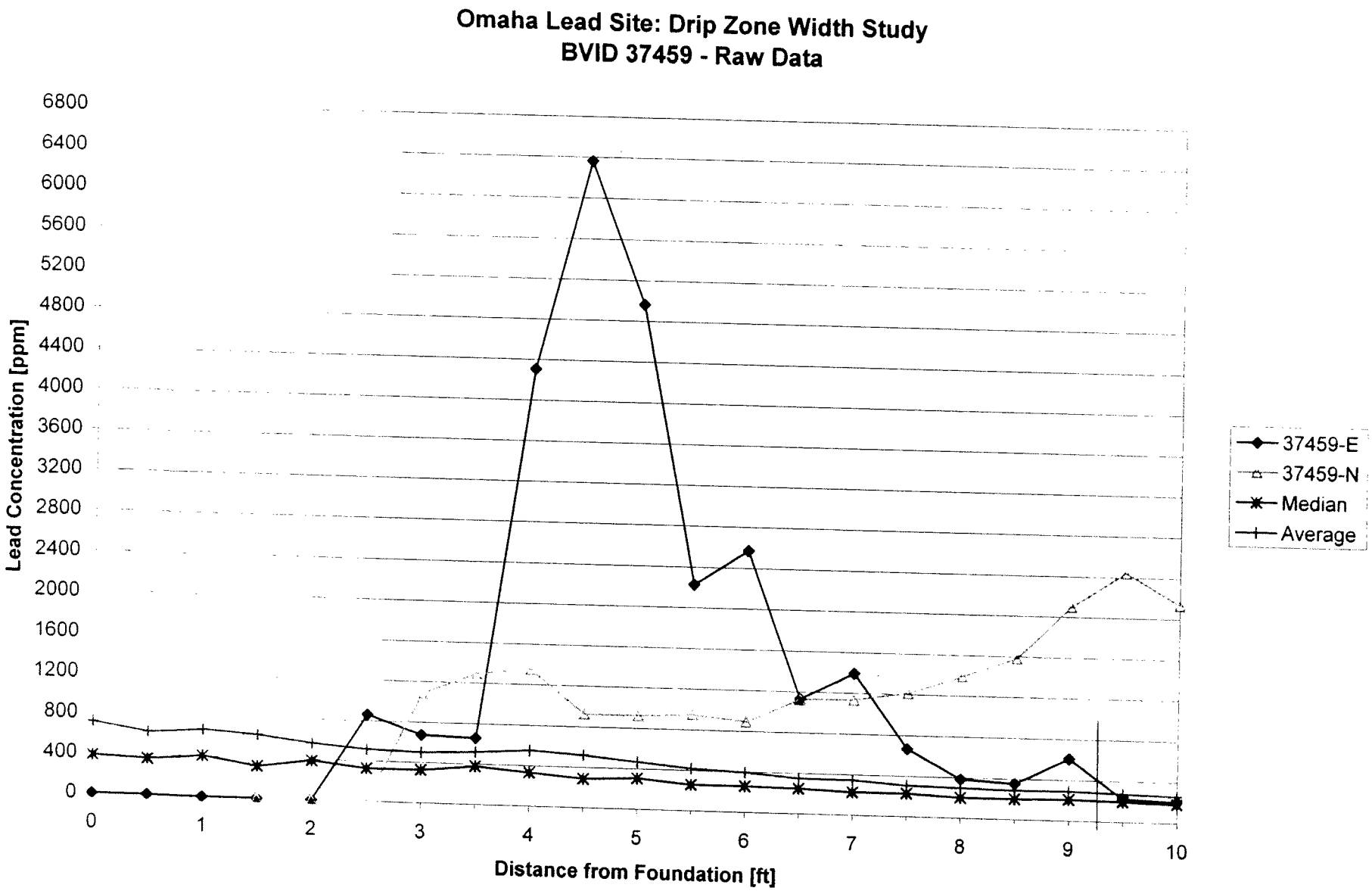

Omaha Lead Site: Drip Zone Width Study
BVID 32744 - Raw Data
Lead Concentration [ppm]
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
32744-N
32744-W
Median
Average

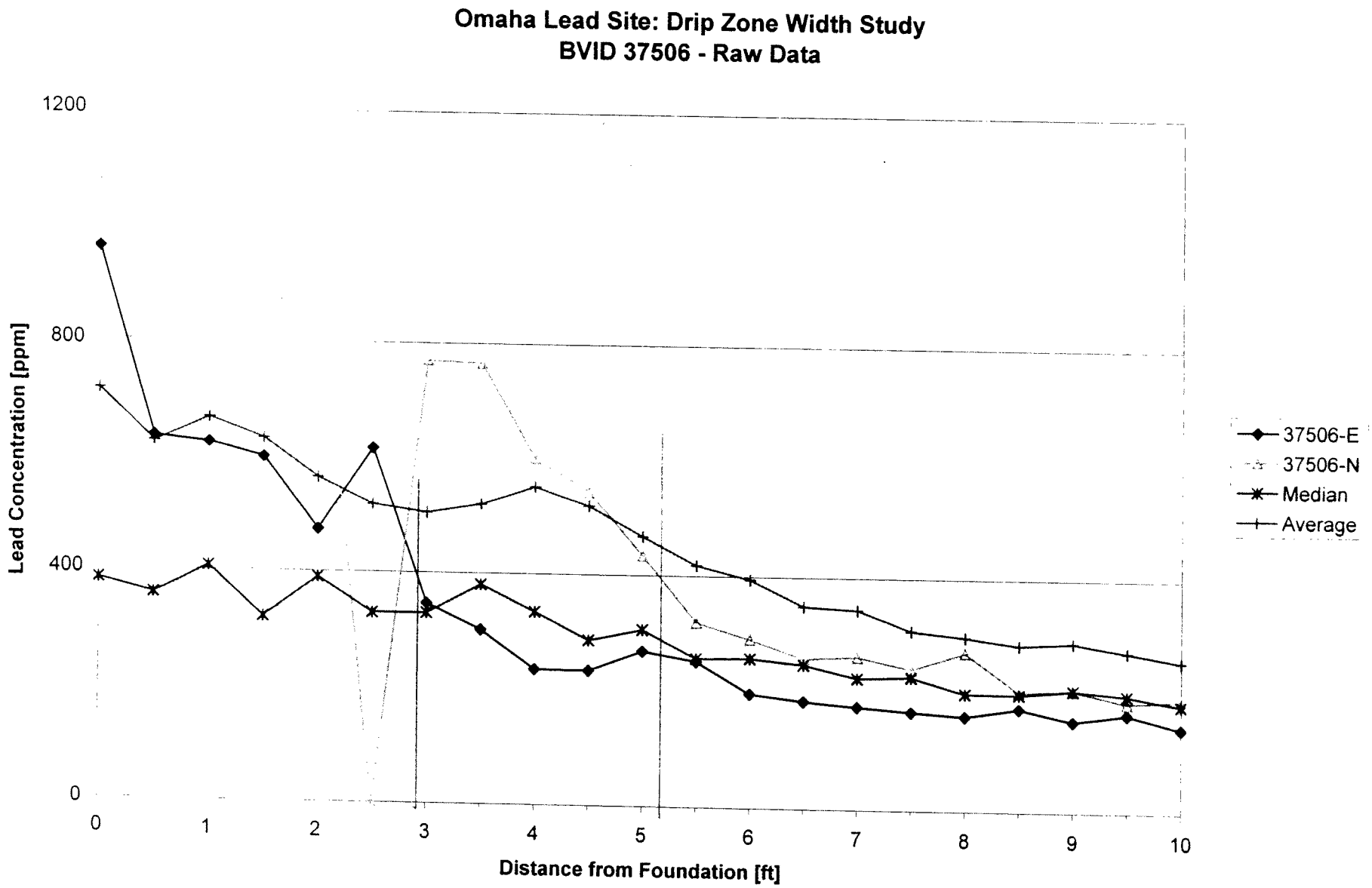

Omaha Lead Site: Drip Zone Width Study
BVID 33427 - Raw Data
Lead Concentration [ppm]
2800
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
33427-E
33427-S
Median
Average

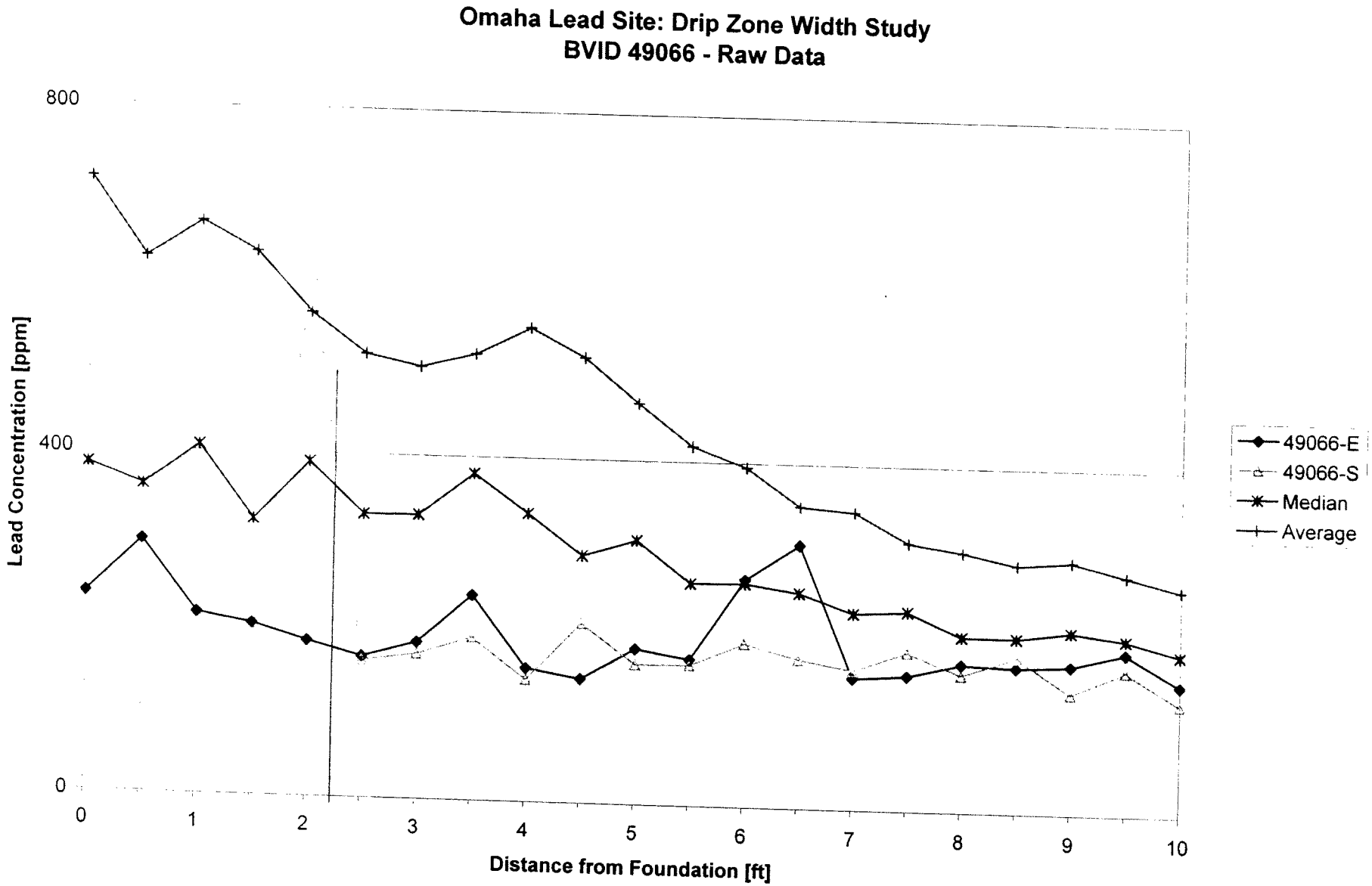

Omaha Lead Site: Drip Zone Width Study
BVID 33601 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
33601-E
33601-S
Median
Average

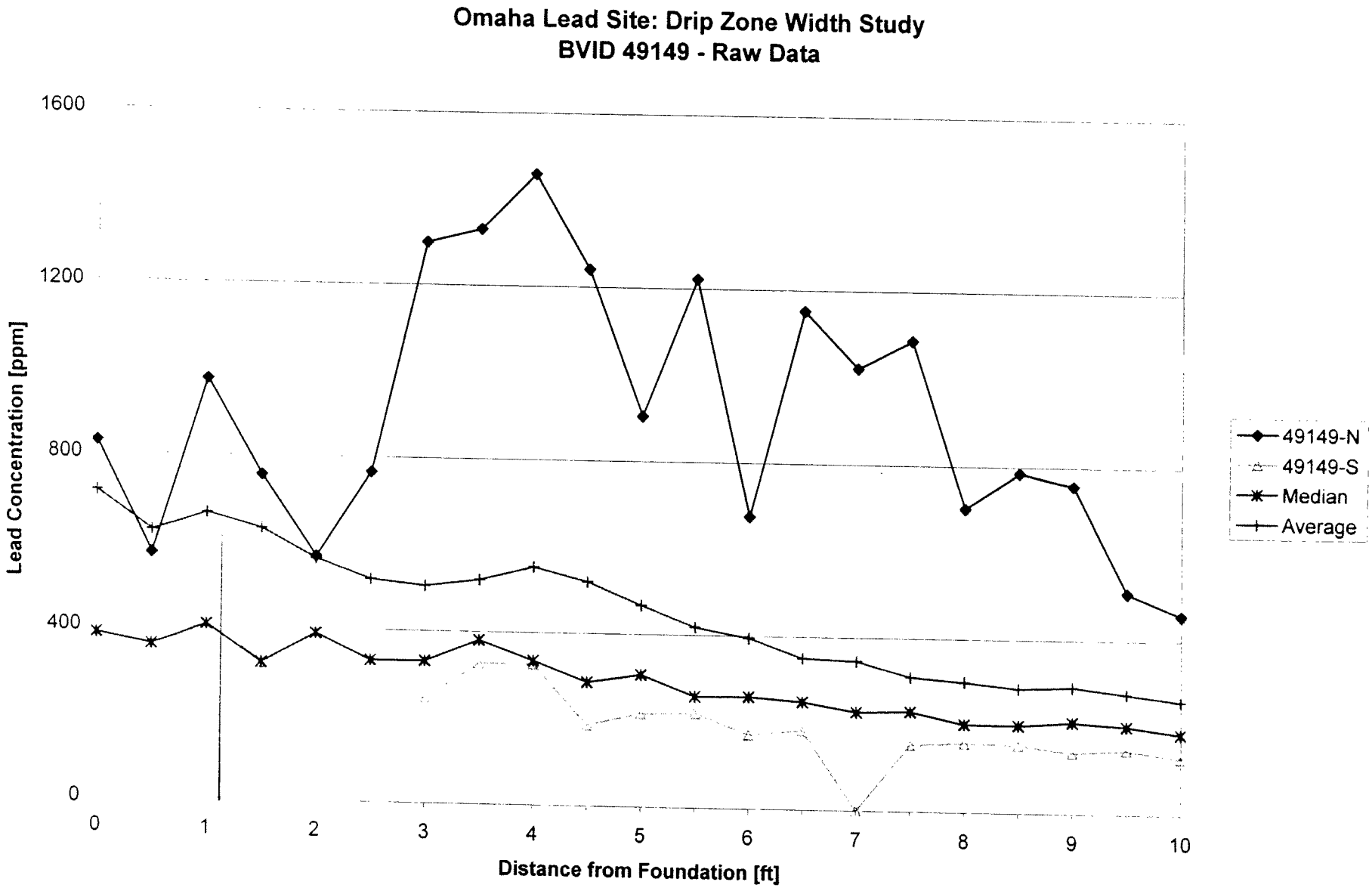

Omaha Lead Site: Drip Zone Width Study
BVID 36911 - Raw Data
Lead Concentration [ppm]
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
36911-E
36911-S
Median
Average

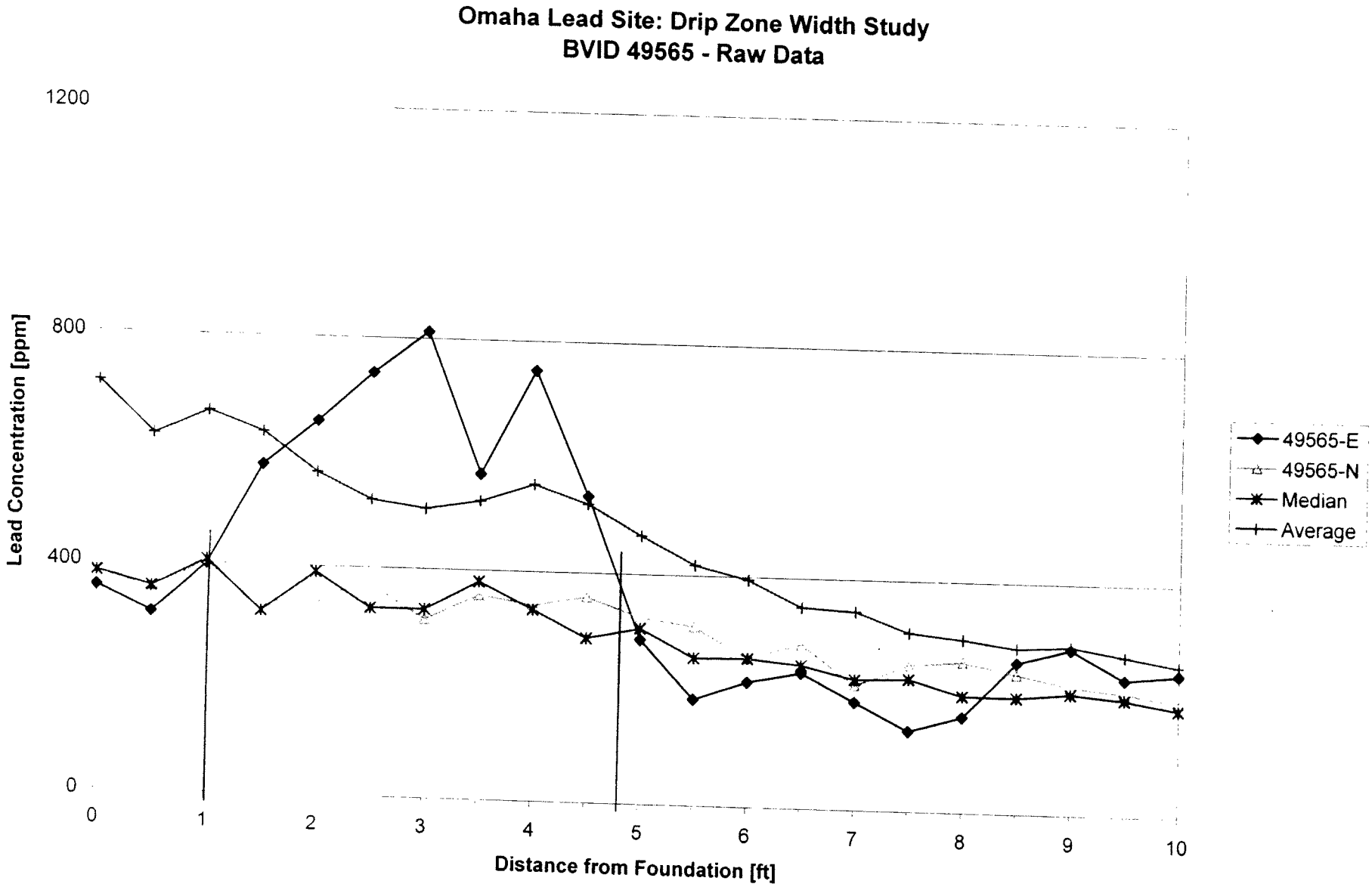

Omaha Lead Site: Drip Zone Width Study
BVID 37404 - Raw Data
Lead Concentration [ppm]
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
37404-E
37404-N
Median
Average

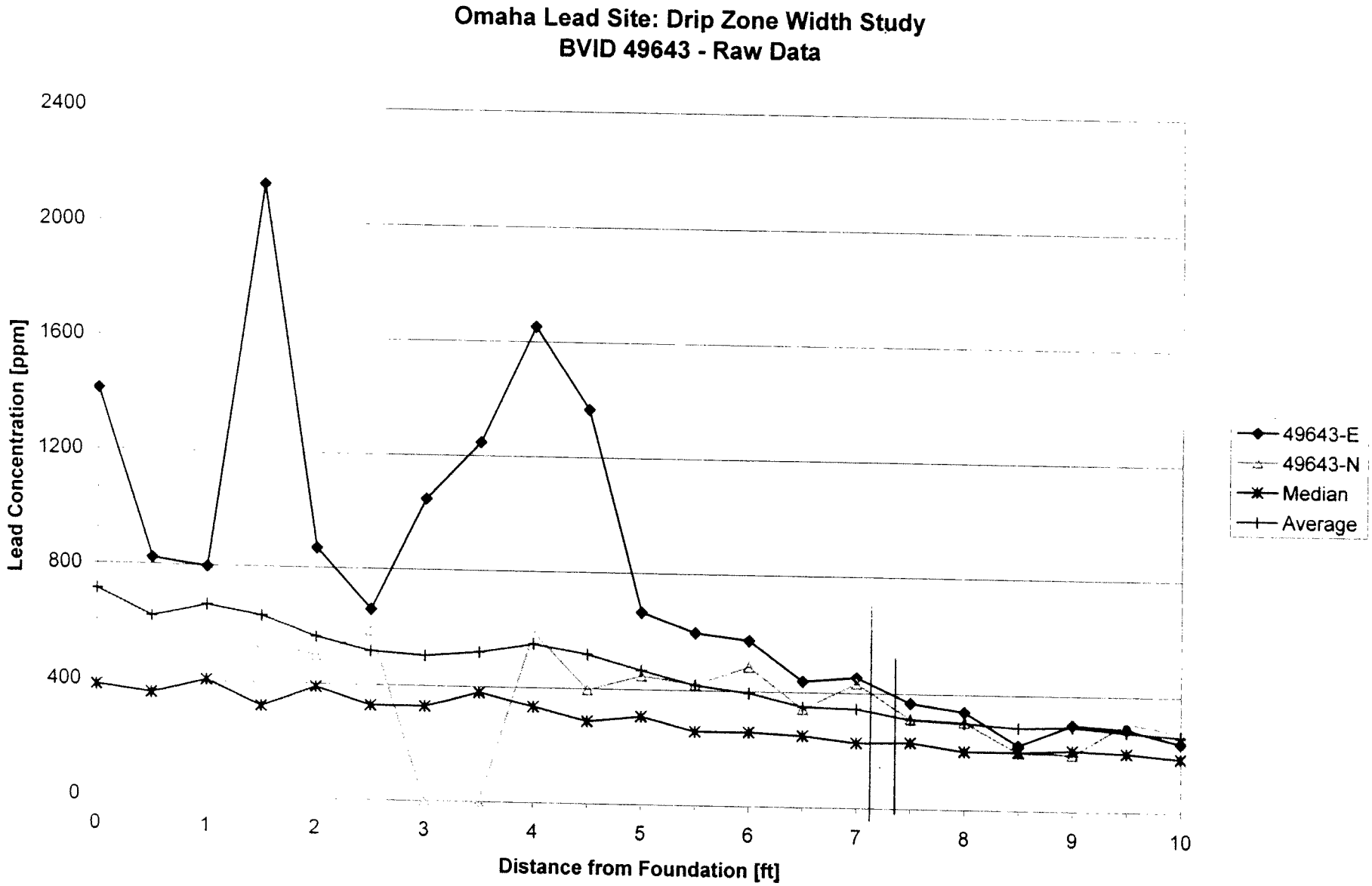

Omaha Lead Site: Drip Zone Width Study
BVID 37459 - Raw Data
Lead Concentration [ppm]
6800
6400
6000
5600
5200
4800
4400
4000
3600
3200
2800
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
37459-E
37459-N
Median
Average

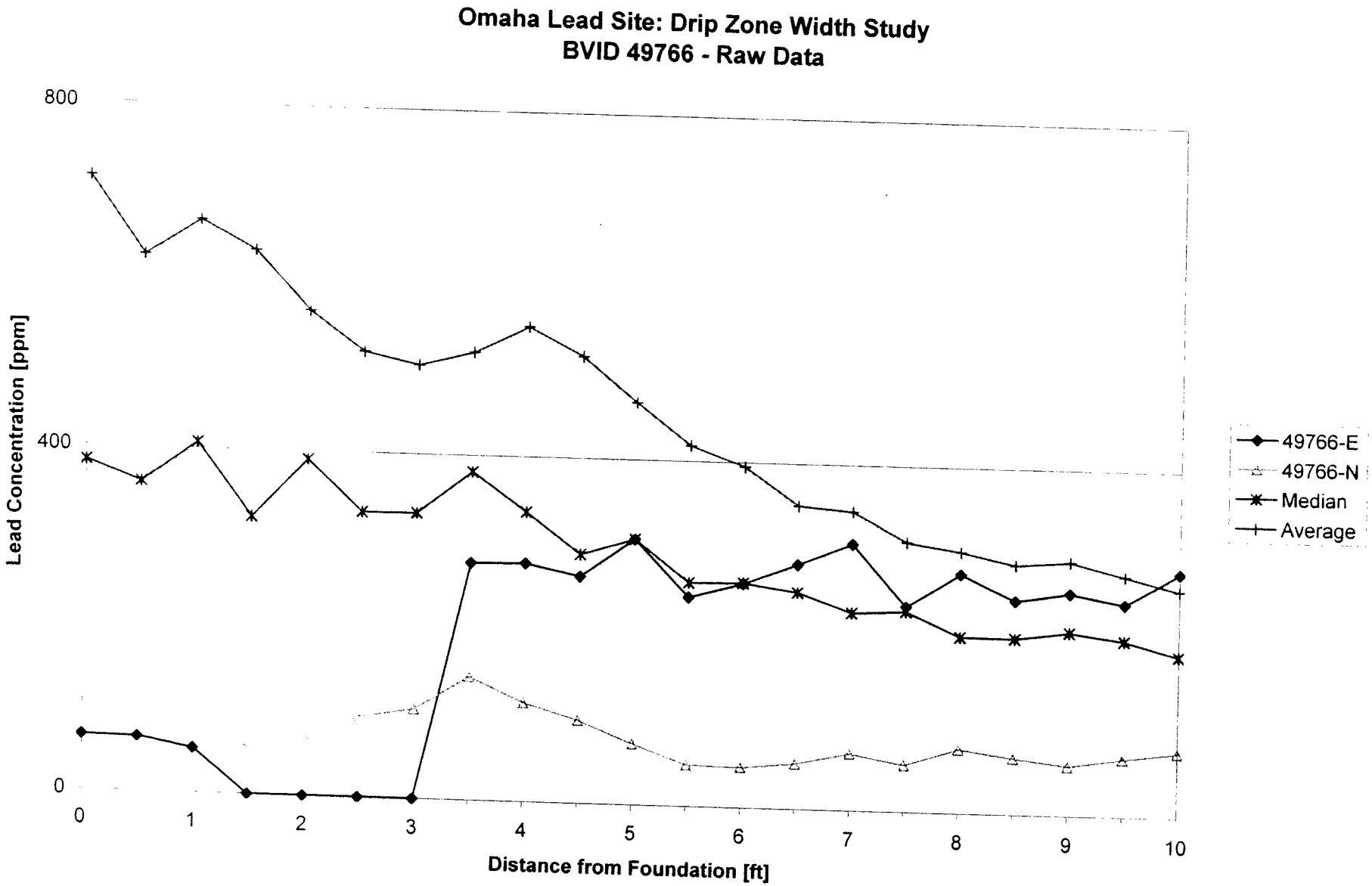

Omaha Lead Site: Drip Zone Width Study
BVID 37506 - Raw Data
Lead Concentration [ppm]
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
37506-E
37506-N
Median
Average

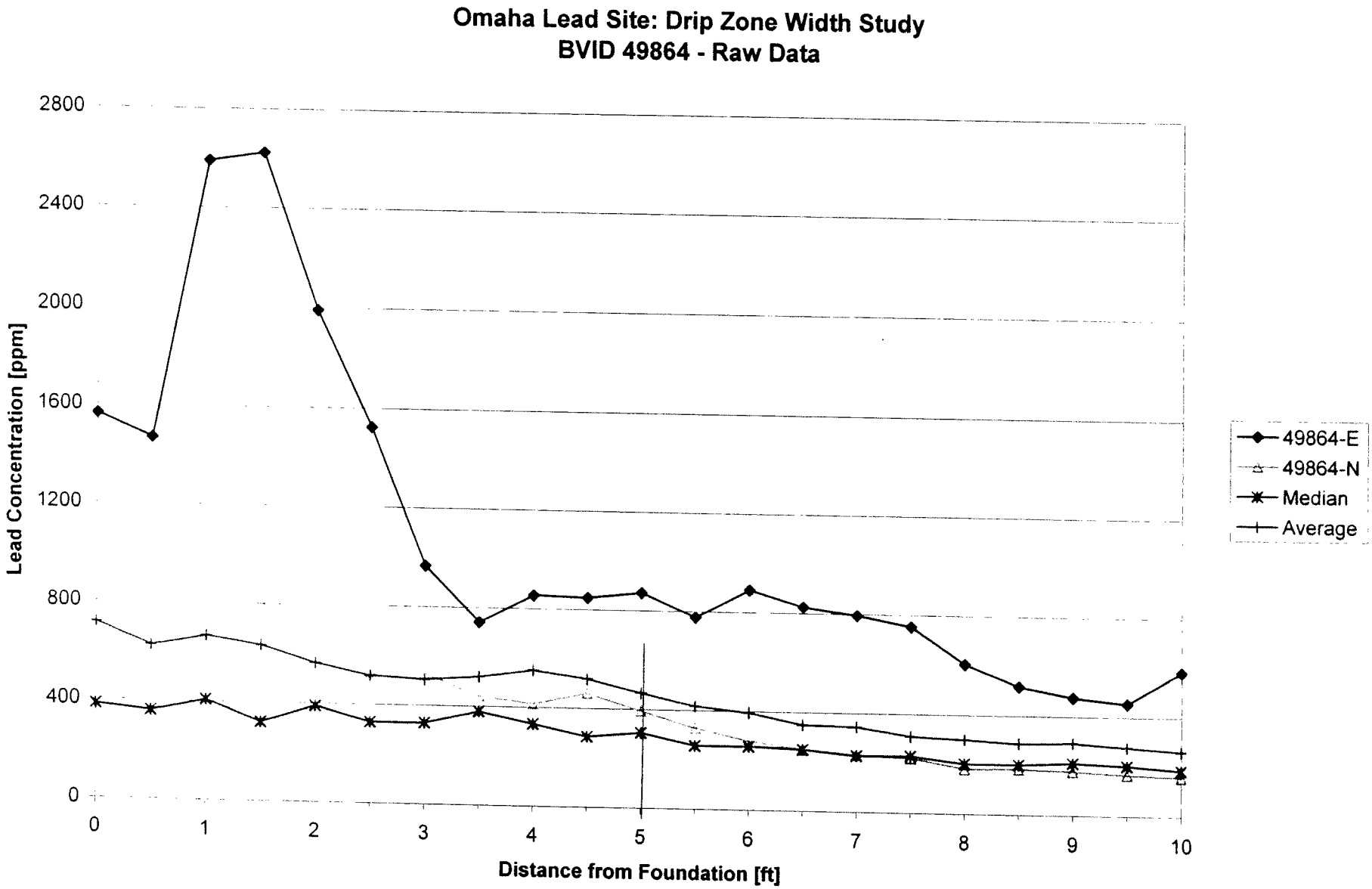

Omaha Lead Site: Drip Zone Width Study
BVID 49066 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49066-E
49066-S
Median
Average

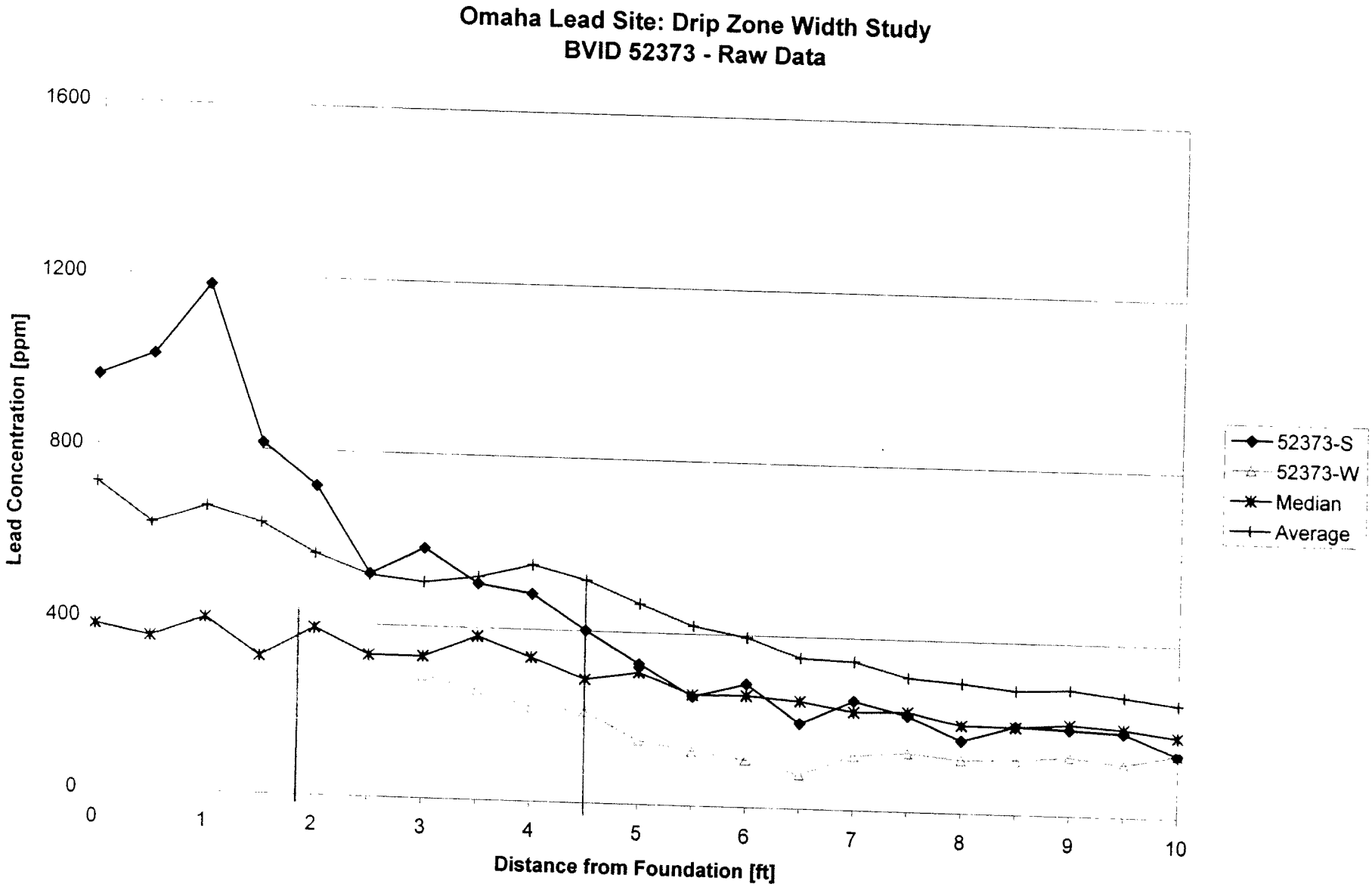

Omaha Lead Site: Drip Zone Width Study
BVID 49149 - Raw Data
Lead Concentration [ppm]
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49149-N
49149-S
Median
Average

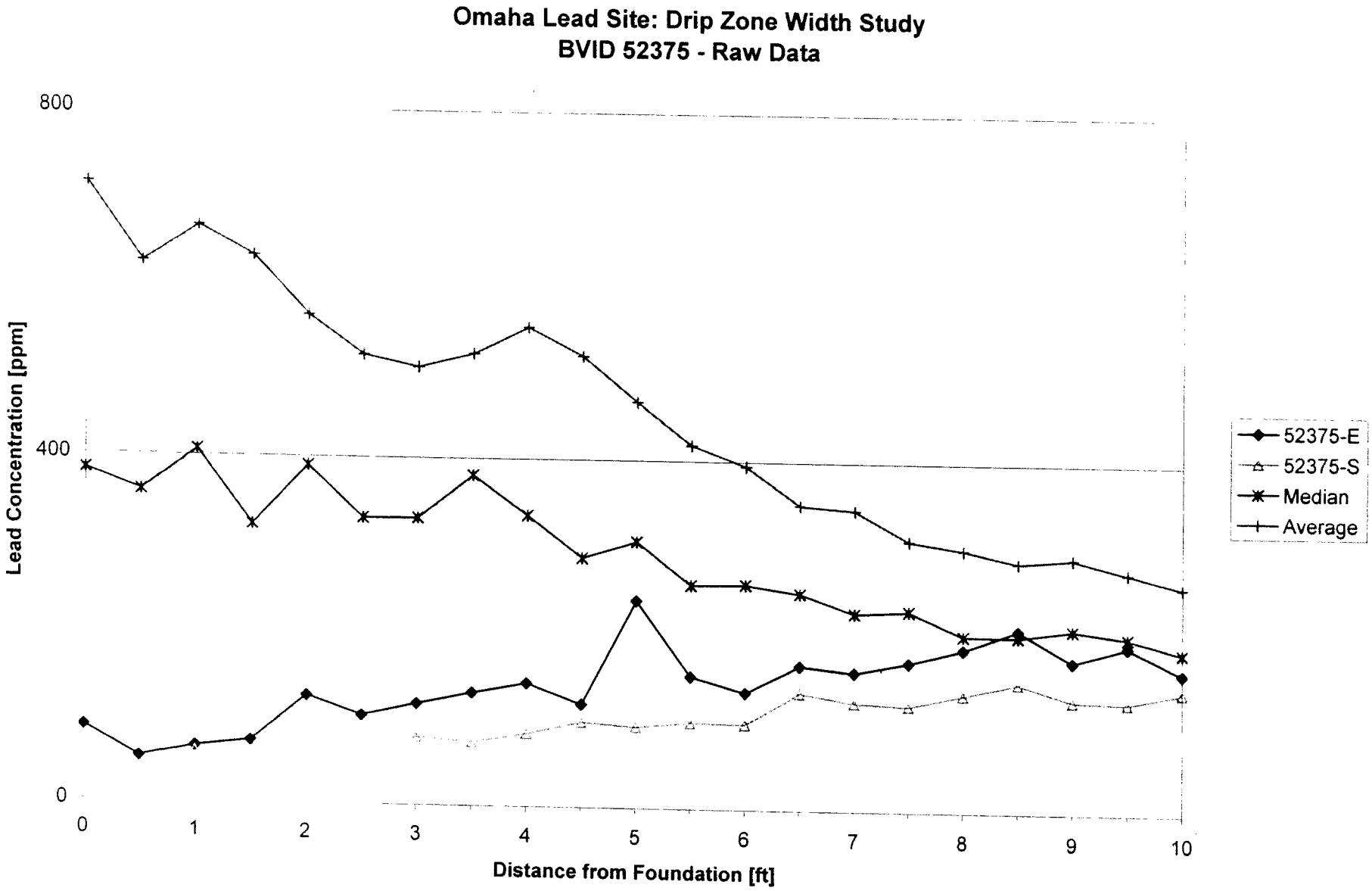

Omaha Lead Site: Drip Zone Width Study
BVID 49565 - Raw Data
Lead Concentration [ppm]
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49565-E
49565-N
Median
Average


Omaha Lead Site: Drip Zone Width Study
BVID 49643 - Raw Data
Lead Concentration [ppm]
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49643-E
49643-N
Median
Average


Omaha Lead Site: Drip Zone Width Study
BVID 49766 - Raw Data
Lead Concentration [ppm]
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49766-E
49766-N
Median
Average


Omaha Lead Site: Drip Zone Width Study
BVID 49864 - Raw Data
Lead Concentration [ppm]
2800
2400
2000
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
49864-E
49864-N
Median
Average


Omaha Lead Site: Drip Zone Width Study
BVID 52373 - Raw Data
Lead Concentration [ppm]
1600
1200
800
400
0
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
52373-S
52373-W
Median
Average


Omaha Lead Site: Drip Zone Width Study
BVID 52375 - Raw Data
800
400
0
Lead Concentration [ppm]
0
1
2
3
4
5
6
7
8
9
10
Distance from Foundation [ft]
52375-E
52375-S
Median
Average

Prepared for:
U.S. Environmental Protection Agency
Region 7
901 North 5th Street
Kansas City, Kansas 66101

Final
Drip Zone Width Study

Omaha Lead Site
Omaha, Nebraska

March 2006

EPA Contract No.: EP-S7-05-06
EPA Task Order No.: 091
BVSPC Project No.: 44701

Prepared by:
Black & Veatch Special Projects Corp.
6601 College Blvd.
Overland Park, Kansas 66211

Omaha Lead Site Drip Zone Study

BVID: 32409

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-11-06 Time: AM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-32409		52	☐
DZ 02-E-32409		40	☐
DZ 03-E-32409		46	☐
DZ 04-E-32409		48	☐
DZ 05-E-32409		59	☐
DZ 06-E-32409		61	☐
DZ 07-E-32409		65	☐
DZ 08-E-32409		69	☐
DZ 09-E-32409		59	☐
DZ 10-E-32409		83	☐
DZ 11-E-32409		65	☐
DZ 12-E-32409		83	☐
DZ 13-E-32409		63	☐
DZ 14-E-32409		52	☐
DZ 15-E-32409		48	☐
DZ 16-E-32409		45	☐
DZ 17-E-32409		49	☐
DZ 18-E-32409		50	☐
DZ 19-E-32409		42	☑
DZ 20-E-32409		50	
DZ ~~20~~ 21-E-32409		43	☐
# of Samples:		20	1

Lab Result: DZ19-EL-32409 46.4 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-32409		52	☐
DZ 02-W-32409		55	☐
DZ 03-W-32409		53	☐
DZ 04-W-32409		68	☐
DZ 05-W-32409		45	☐
DZ 06-W-32409		59	☐
DZ 07-W-32409		63	☑
DZ 08-W-32409		59	☐
DZ 09-W-32409		59	☐
DZ 10-W-32409		63	☐
DZ 11-W-32409		79	☐
DZ 12-W-32409		71	☐
DZ 13-W-32409		78	☐
DZ 14-W-32409		117	☐
DZ 15-W-32409		66	☐
DZ 16-W-32409		75	☐
DZ 17-W-32409		61	☐
DZ 18-W-32409		68	☐
DZ 19-W-32409		65	☐
DZ 20-W-32409		66	
DZ ~~20~~ 21-W-32409		54	☐
# of Samples:		20	1

Lab Result: DZ07-WL-32409 64.1 ppm

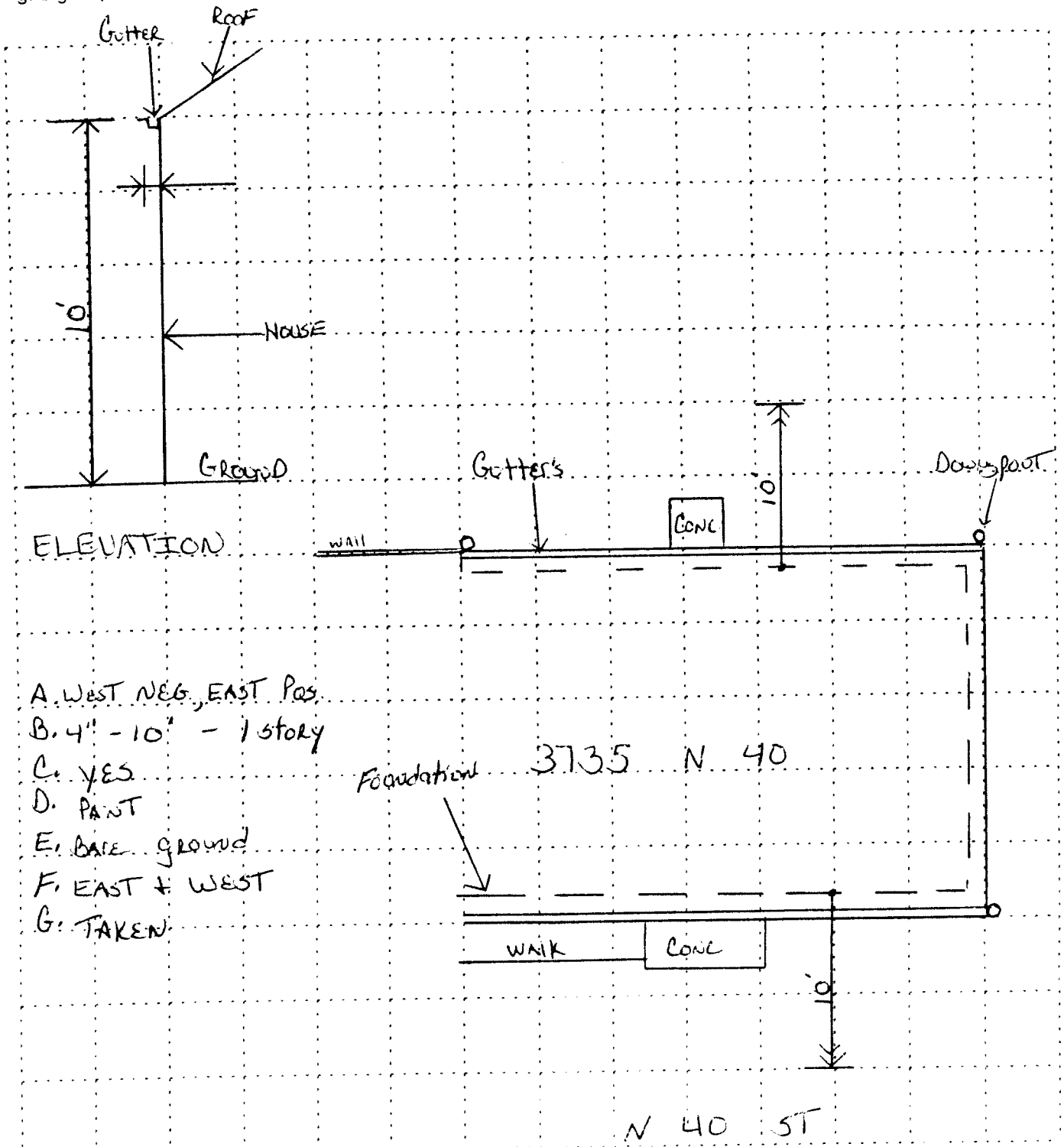
0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

BVID: 32409

Owner Name: SANDRA HIGBEE Address: 3735 N. 40 ST Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



046141.0123

32409

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By Sandra Higbee (Please Print Name)

Sandra Higbee (property Owner Signature) 11-19-05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Vacant ☑ owner ☐ renter

Residence Address: 3735 N. 40 ST Omaha, NE 68111 (CITY) (STATE) (ZIP)

Property owned by Sandra Higbee

Owner's mailing address: 421 N 19 ST Blair, Ne 68008

Owner's telephone number - Home: 4 Work:

Age of home? 50 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: ____ List Ages:

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: 12-17-05 Entered in Book KS. Second: Third:

WALK UP 11.19.05 5:00 pm MT

FB 134

32409

Owner Name: Sandra Higbee
Address: 3735 N. 40th St.
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

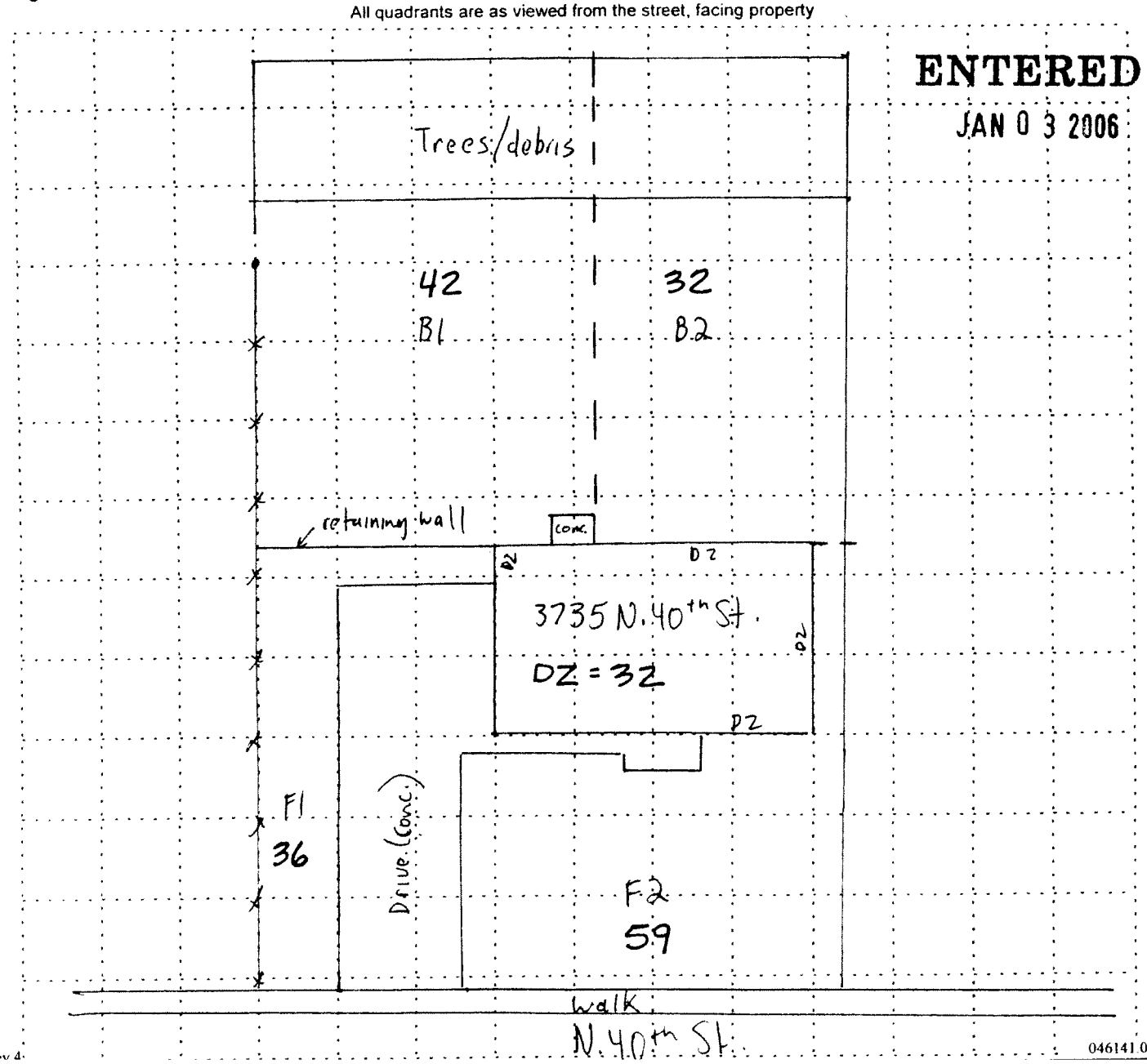
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-32409	F1	36 ppm	[x]	[ ]
RYBSCPXA-32409	F2	59 ppm	[x]	[ ]
RYCSCPXA-32409	B1	42 ppm	[x]	[ ]
RYDSCPXA-32409	B2	32 ppm	[x]	[ ]
RDZSCPXA-32409	DZ	32 ppm	[x]	[ ]
~~RGZSCPXA-~~	~~GZ~~	- ppm	[ ]	[ ]
~~RPZSCPXA-~~	~~PZ~~	- ppm	[ ]	[ ]
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/22/05
Time: 9:05

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-11-06
Time: AM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property

ENTERED
JAN 03 2006



Rev 4

046141.0123

32409

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-19-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☑ No

Resident Address: 3735 N 40 ST

OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: SANDRA K HIGBEE

Owner address: 421 N 19 ST, BLAIR, NE 68008

Owner's telephone number - Home: Work:

Age of home: 54 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House 100% painted

Description of conditions which could contribute to paint deterioration: Broken windows on S side. Incomplete downspouts on SW & NE corners. Damaged gutter system on SE side.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

32409

LEGEND: H - N - P - 01 - 12345
— BVID Number
— Sample Number
— Material: P = Paint
— Side of Structure: N = North S = South E = East W = West
— Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/22/05 Time: 9:30
Staff: MES-A.H./ J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-W-P-01-32409	NEG mg/cm²	FOUNDATION	CONC	TAN	3 ft²
H-W-P-02-32409	NEG mg/cm²	SHUTTER	WOOD	WHITE	1 ft²
H-W-P-03-32409	NEG mg/cm²	WINDOW/TRIM	WOOD	WHITE	1 ft²
H-N-P-04-32409	NEG mg/cm²	WINDOW/TRIM	WOOD	WHITE	1 ft²
H-E-P-05-32409	NEG mg/cm²	WINDOW/TRIM	METAL	WHITE	— ft²
H-E-P-06-32409	NEG mg/cm²	FOUNDATION	CONC.	WHITE	1 ft²
H-S-P-07-32409	NEG mg/cm²	FOUNDATION	CONC.	WHITE	1 ft²
H-S-P-08-32409	NEG mg/cm²	WINDOW/TRIM	WOOD	WHITE	4 ft²
H-__-P-09-32409	mg/cm²				ft²
H-__-P-10-32409	mg/cm²				ft²
H-__-P-11-32409	mg/cm²				ft²
H-__-P-12-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²
__-__-P-___-32409	mg/cm²				ft²

044701 01 23

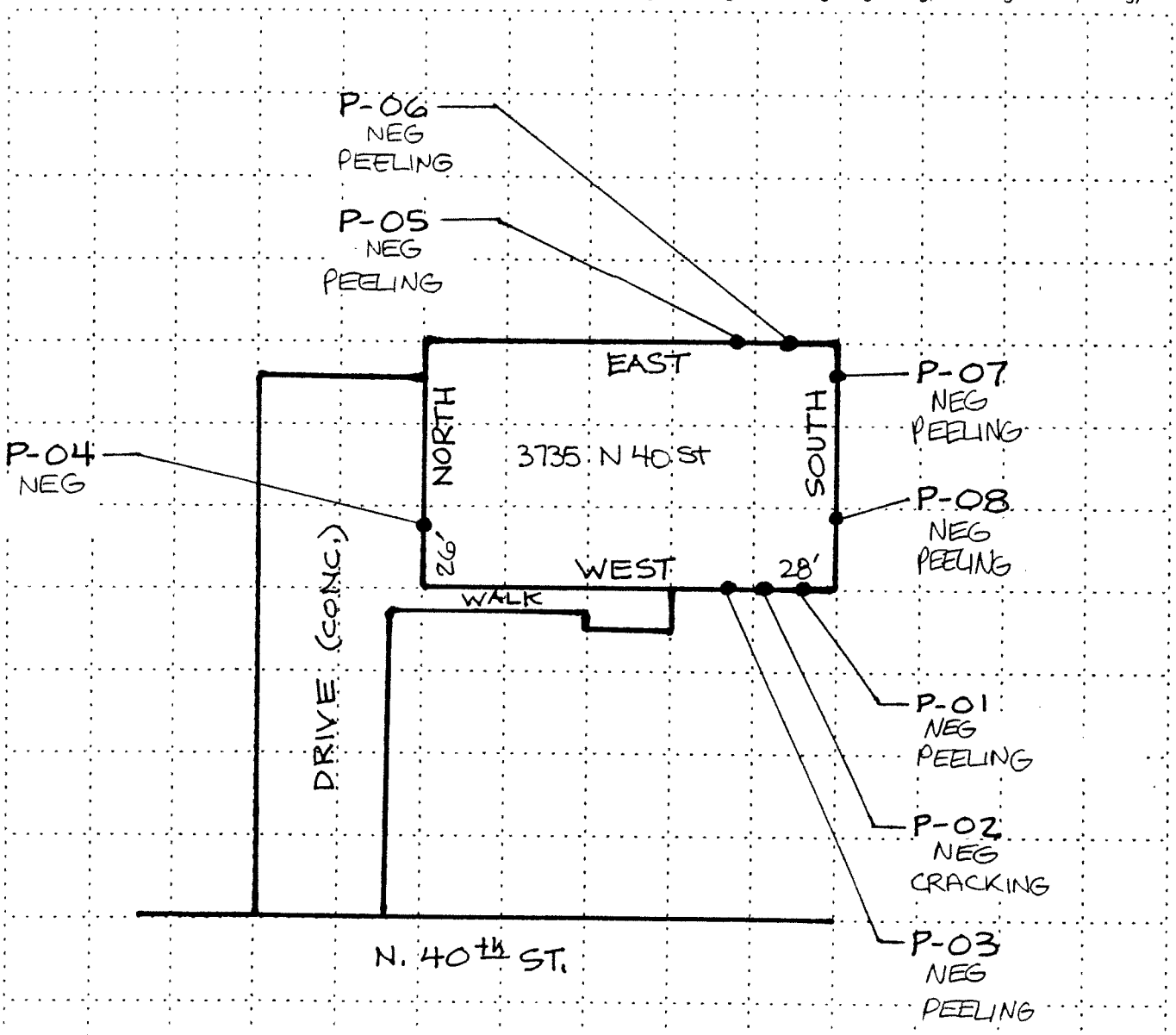
32409

Owner Name: SANDRA K HIGBEE
Address: 3735 N 40 ST
Phone: H: W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

32409

Owner Name: SANDRA K HIGBEE

Address: 3735 N 40 ST

Phone: H: W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 283 ft2
South = 330 ft2
East = 410 ft2
West = 154 ft2
Total Surface Painted Area = 1177 ft2

Omaha Lead Site Drip Zone Study

BVID: 32501

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-6-06 Time: AM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-32501		945	☐
DZ 02-E-32501		987	☐
DZ 03-E-32501		720	☐
DZ 04-E-32501		420	☐
DZ 05-E-32501		418	☐
DZ 06-E-32501		339	☐
DZ 07-E-32501		457	☐
DZ 08-E-32501		384	☐
DZ 09-E-32501		417	☐
DZ 10-E-32501		444	☐
DZ 11-E-32501		425	☐
DZ 12-E-32501		382	☐
DZ 13-E-32501		427	☐
DZ 14-E-32501		498	☐
DZ 15-E-32501		492	☐
DZ 16-E-32501		410	☐
DZ 17-E-32501		499	☑
DZ 18-E-32501		414	☐
DZ 19-E-32501		370	☐
DZ 20-E-32501		338	
DZ ~~20~~ 21-E-32501		280	☐
# of Samples:		20	1

Lab Result: DZ17-EL-32501 419 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-32501		102	☐
DZ 02-W-32501		95	☑
DZ 03-W-32501		107	☐
DZ 04-W-32501		95	☐
DZ 05-W-32501		138	☐
DZ 06-W-32501		100	☐
DZ 07-W-32501		118	☐
DZ 08-W-32501		102	☐
DZ 09-W-32501		131	☐
DZ 10-W-32501		138	☐
DZ 11-W-32501		110	☐
DZ 12-W-32501		146	☐
DZ 13-W-32501		141	☐
DZ 14-W-32501		127	☐
DZ 15-W-32501		117	☐
DZ 16-W-32501		121	☐
DZ 17-W-32501		138	☐
DZ 18-W-32501		143	☐
DZ 19-W-32501		164	☐
DZ 20-W-32501		213	
DZ ~~20~~ 21-W-32501		205	☐
# of Samples:		20	1

Lab Result: DZ02-WL-32501 1300 ppm

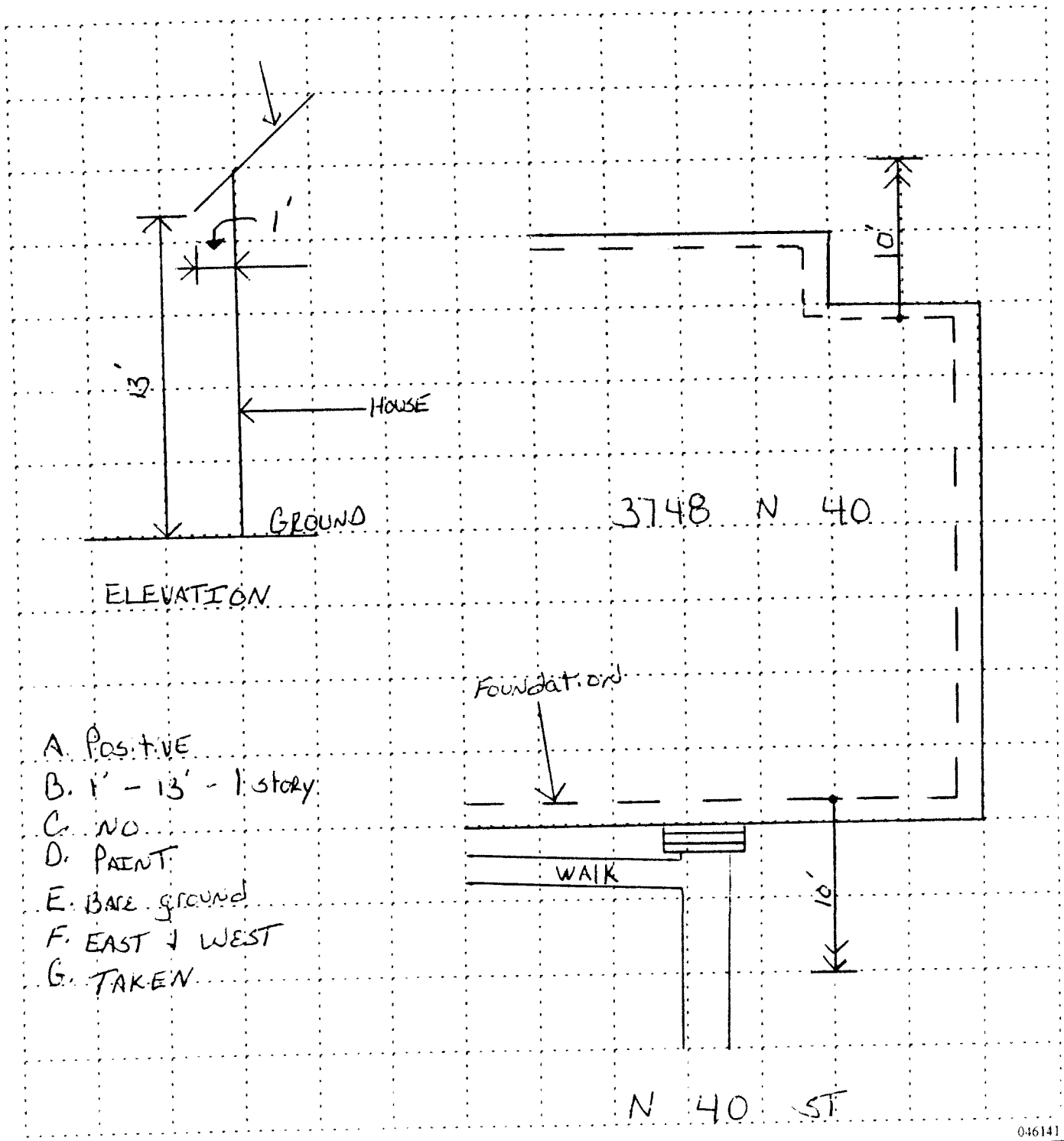
0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

BVID: 32501

Owner Name: SANDRA HIGBEE Address: 3748 N. 40 ST Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 1' - 13' - 1 story
C. NO
D. PAINT
E. BARE ground
F. EAST & WEST
G. TAKEN

32501

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By Sandra Higbee (Please Print Name)

Sandra Higbee (property Owner Signature) 11-19-05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Vacant ☑ owner ☐ renter

Residence Address: 3748 N. 40 ST Omaha (CITY), NE (STATE) 68111 (ZIP)

Property owned by Sandra Higbee

Owner's mailing address: 421 N. 19 ST. Blair, NE. 68008

Owner's telephone number - Home: _____ Work: _____

Age of home? 75 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: 12-17-05 Entered in Book Second: _____ Third: _____

WALK UP 11-19-05 5:00 pm MT

3 2 2U

32501

Owner Name: Sandra Higbee
Address: 3748 N 40 St
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

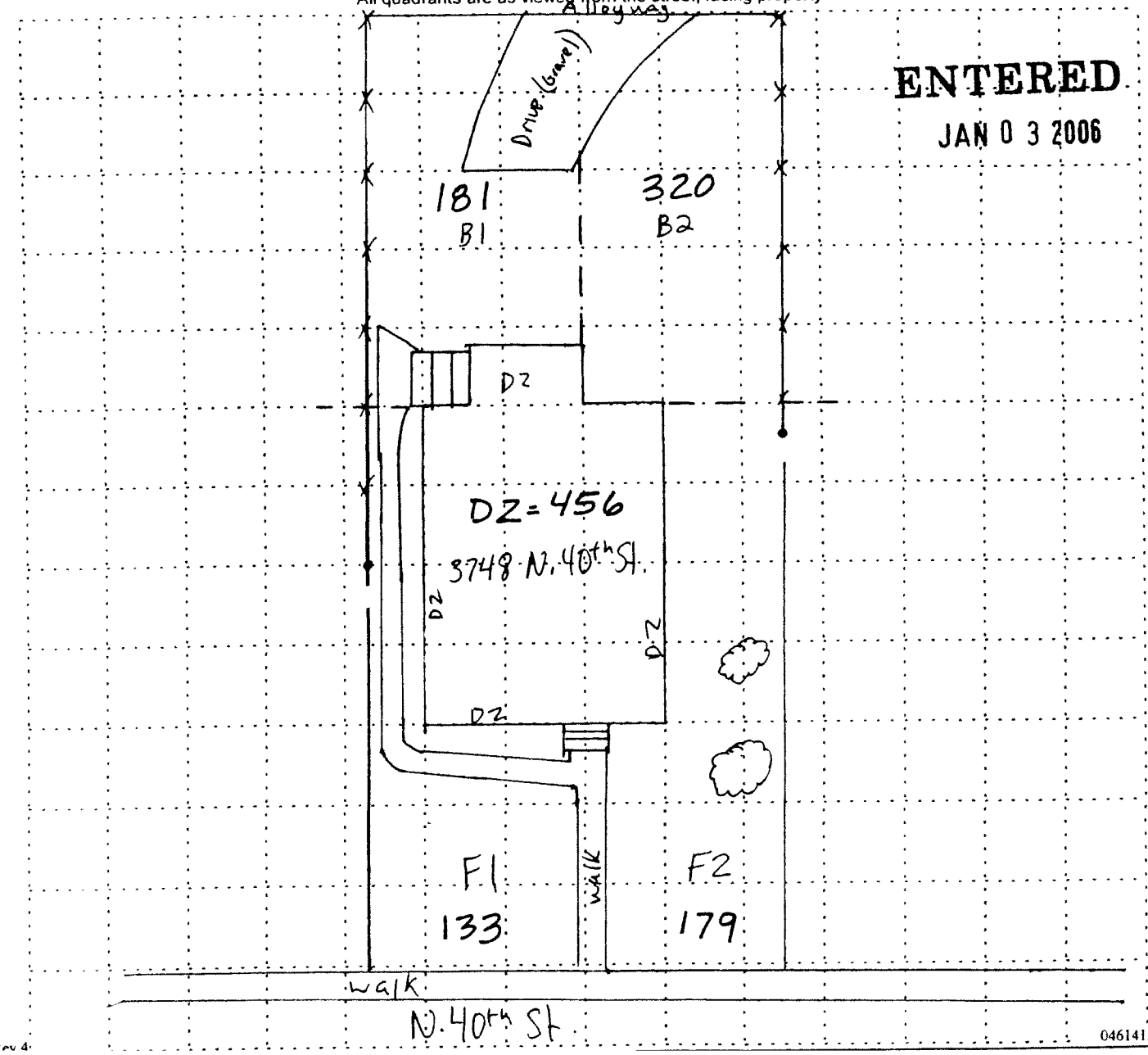
North Arrow

Sample Number		Lead Concentration		Sample Collected	LAB
RYASCPXA-32501	F1	133	ppm	[x]	[ ]
RYBSCPXA-32501	F2	179	ppm	[x]	[ ]
RYCSCPXA-32501	B1 "M"	181	ppm	[x]	[ ]
RYDSCPXA-32501	B2	320	ppm	[x]	[ ]
RDZSCPXA-32501	DZ	456	ppm	[x]	[ ]
~~RGZSCPXA-~~	~~GZ~~	–	ppm	[ ]	[ ]
~~RPZSCPXA-~~	~~PZ~~	–	ppm	[ ]	[ ]
		Number of Samples =		5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/22/05
Time: 10:05

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-6-06
Time: AM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property



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32501

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By _____ (Please Print Name)

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

11-19-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☐ Yes ☑ No

Resident Address: 3748 N 40 ST OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: SANDRA K HIGBEE

Owner address: 421 N 19 ST, BLAIR, NE 68008

Owner's telephone number - Home: _____ Work: _____

Age of home: 71 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House 100% painted

Description of conditions which could contribute to paint deterioration: No gutter system on house

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

32501

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/22/05 Time: 10:27
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-E-P-01-32501	NEG mg/cm²	SIDING/TRIM	WOOD	WHITE	1 ft²
H-E-P-02-32501	22 mg/cm²	SIDING	WOOD	WHITE	2 ft²
H-E-P-03-32501	NEG mg/cm²	FOUNDATION	CONC.	TAN	1 ft²
H-E-P-04-32501	NEG mg/cm²	PORCH STEP	WOOD	TAN	1 ft²
H-S-P-05-32501	12 mg/cm²	SIDING/TRIM	WOOD	WHITE	1 ft²
H-S-P-06-32501	23 mg/cm²	SIDING	WOOD	WHITE	2 ft²
H-W-P-07-32501	19 mg/cm²	SIDING	WOOD	WHITE	3 ft²
H-W-P-08-32501	20 mg/cm²	WINDOW/TRIM	WOOD	WHITE	3 ft²
H-W-P-09-32501	28 mg/cm²	SIDING/TRIM	WOOD	WHITE	3 ft²
H-N-P-10-32501	15 mg/cm²	WINDOW/TRIM	WOOD	WHITE	1 ft²
H-N-P-11-32501	12 mg/cm²	SIDING	WOOD	WHITE	3 ft²
H-__-P-12-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²
__-__-P-__-32501	mg/cm²				ft²

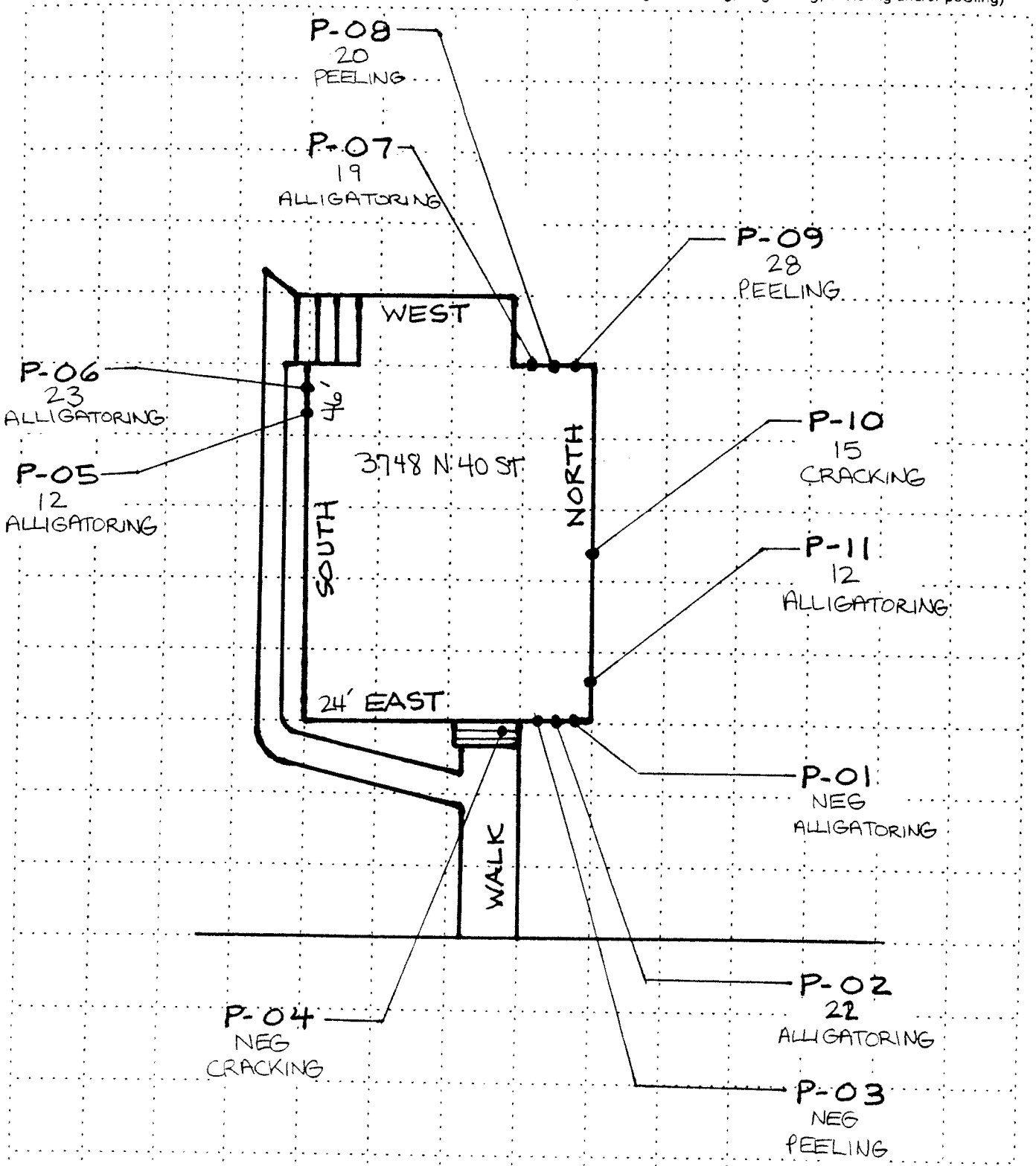
32501

Owner Name: SANDRA K HIGBEE
Address: 3748 N 40 ST
Phone: H: W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



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32501

Owner Name: SANDRA K HIGBEE
Address: 3748 N 40 ST
Phone: H: W.

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 422 ft2
South = 387 ft2
East = 160 ft2
West = 220 ft2
Total Surface Painted Area = 1189 ft2

Omaha Lead Site Drip Zone Study

BVID: 32744

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-11-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-32744		2260	☐
DZ 02-W-32744		1799	☐
DZ 03-W-32744		2121	☐
DZ 04-W-32744		2174	☐
DZ 05-W-32744		1780	☐
DZ 06-W-32744		1427	☐
DZ 07-W-32744		1364	☐
DZ 08-W-32744		1246	☐
DZ 09-W-32744		1204	☐
DZ 10-W-32744		897	☐
DZ 11-W-32744		1166	☐
DZ 12-W-32744		844	☐
DZ 13-W-32744		796	☐
DZ 14-W-32744		706	☐
DZ 15-W-32744		500	☐
DZ 16-W-32744		383	☑
DZ 17-W-32744		387	☐
DZ 18-W-32744		392	☐
DZ 19-W-32744		305	☐
DZ 20-W-32744		270	
DZ ~~20~~ 21-W-32744		255	☐
# of Samples:		20	1

Lab Result: DZ16-WL-32744 401 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-32744		277	☐
DZ 02-N-32744		818	☐
DZ 03-N-32744		277	☐
DZ 04-N-32744		220	☐
DZ 05-N-32744		390	☐
DZ 06-N-32744		443	☐
DZ 07-N-32744		496	☐
DZ 08-N-32744		621	☐
DZ 09-N-32744		713	☐
DZ 10-N-32744		603	☐
DZ 11-N-32744		456	☐
DZ 12-N-32744		527	☐
DZ 13-N-32744		495	☑
DZ 14-N-32744		383	☐
DZ 15-N-32744		395	☐
DZ 16-N-32744		355	☐
DZ 17-N-32744		330	☐
DZ 18-N-32744		335	☐
DZ 19-N-32744		358	☐
DZ 20-N-32744		285	
DZ ~~20~~ 21-N-32744		306	☐
# of Samples:		20	1

Lab Result: DZ13-NL-32744 [illegible] ppm

Rev 0 9a2

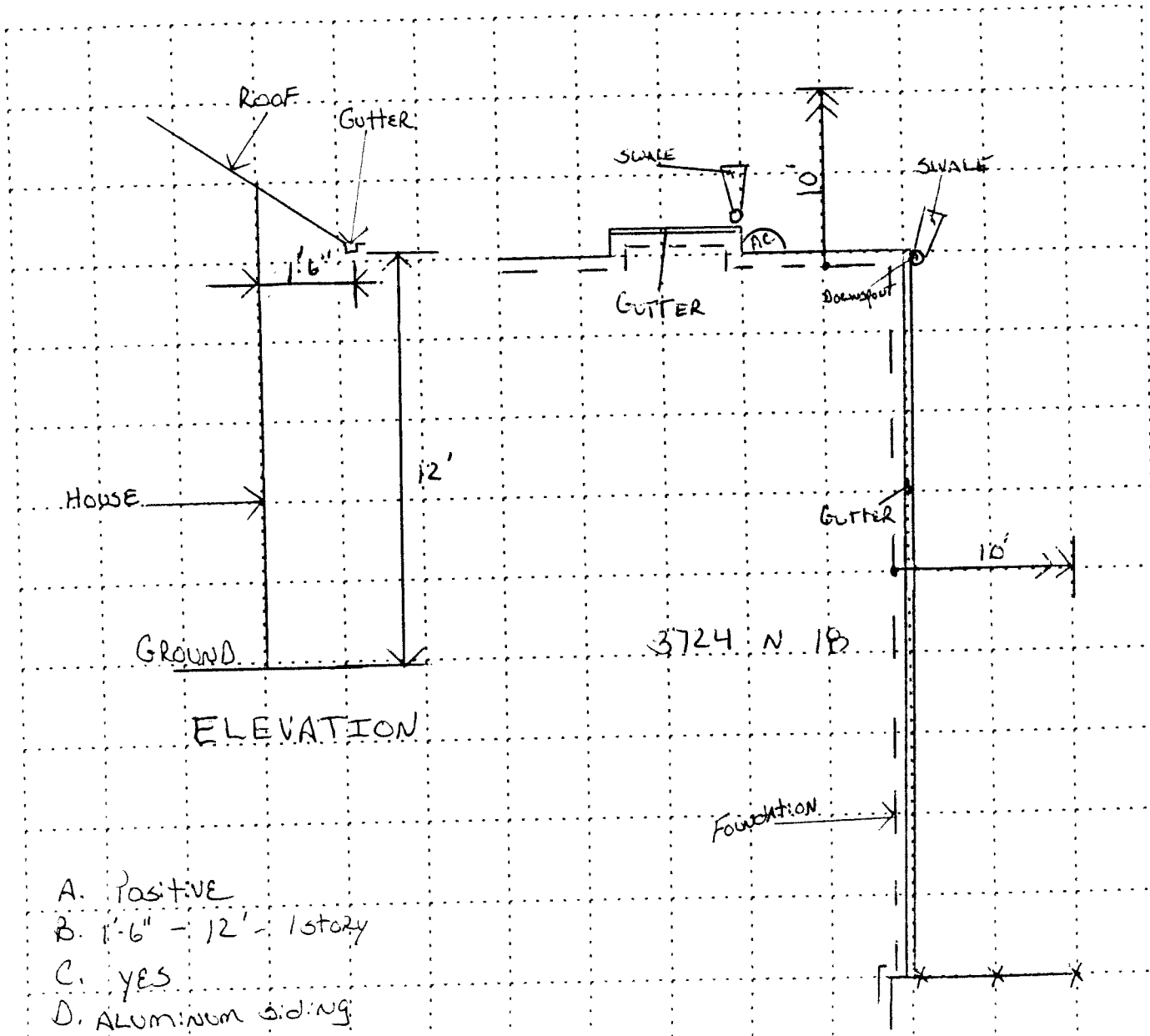
044701 01 23

BVID: 32744

Owner Name: CRAIG SMITH Address: 3724 N 18 ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 1'-6" - 12' - 1 story
C. YES
D. Aluminum siding
E. Bare ground
F. East & North
G. Taken

32744

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By x Craig A. Smith
(Please Print Name)

x Craig A. Smith (SOW) + 11-30-2005
(property Owner Signature) (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS ☐ owner ☒ renter

Residence Address: 3724 N 18 ST OMAHA (CITY) NE (STATE) 68110 (ZIP)

Property owned b CARL L SMITH JR

Owner's mailing address: JUANITA D SMITH LEST 1915 SPENCER ST, OMAHA, NE 68110

Owner's telephone number - Home: 402-451-0125 Work:

Age of home? 104 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☑ No

Has the interior been painted or covered since 1978? ☐ Yes ☑ No

Total number of occupants: List Ages:

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 08-16-05 2:20pm Second: 11-30-05 8:31 Am Third:

MSW | KS MT SIGNED

TB 121

32744

Owner Name: CARL L SMITH JR
Address: 3724 N 18 ST
Phone: H: 451-0125 W:

Omaha Lead Site
Site Sketch

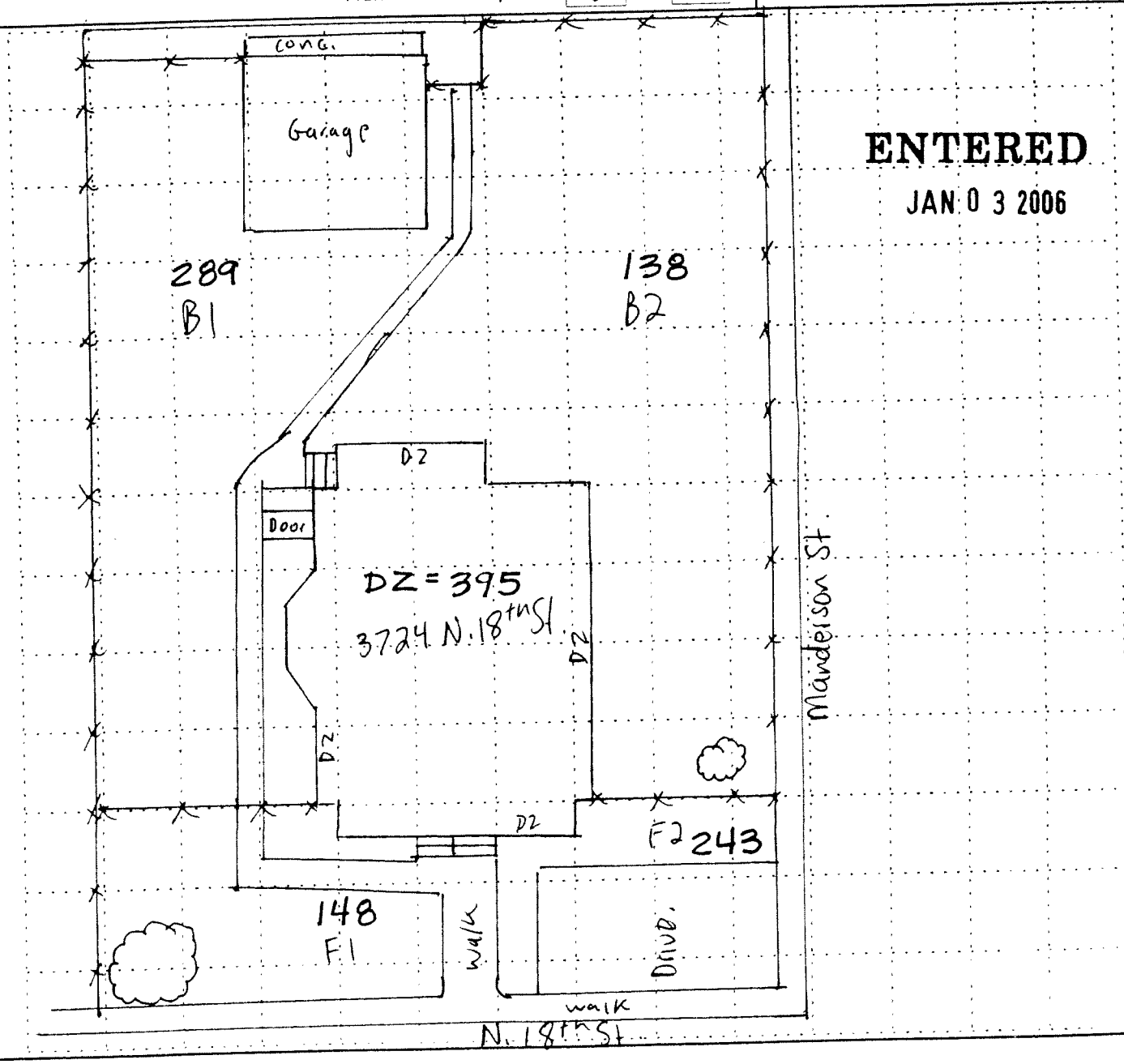
Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-32744	F1	148 ppm	☑	☐
RYBSCPXA-32744	F2	243 ppm	☑	☐
RYCSCPXA-32744	B1	289 ppm	☑	☐
RYDSCPXA-32744	B2	138 ppm	☑	☐
RDZSCPXA-32744	DZ	395 ppm	☑	☐
~~RGZSCPXA-32744~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-32744~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/19/05
Time: 2:20

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-11-06
Time: PM
Staff: LA



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U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

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Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-30-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☑ No

Resident Address: 3724 N 18 ST

OMAHA (CITY) NE (STATE) 68110 (ZIP)

Owner Name: CARL L SMITH JR

Owner address: JUANITA D SMITH LEST 1915 SPENCER ST, OMAHA, NE 68110

Owner's telephone number - Home: 402-451-0125 Work:

Age of home: 106 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House 95% vinyl & aluminum siding, 5% painted including foundation, lattice, porch steps

Description of conditions which could contribute to paint deterioration: missing siding on W side fascia exposing deteriorated paint

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

32744

LEGEND: H - N - P - 01 - 12345
— BVID Number
— Sample Number
— Material: P = Paint
— Side of Structure: N = North S = South E = East W = West
— Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/19/05 Time: 2:45
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-E-P-01-32744	NEG. mg/cm²	FOUNDATION	CONCRETE	WHITE	3 ft²
H-E-P-02-32744	2 mg/cm²	FDN.\LATTICE	WOOD	WHITE	25 ft²
H-W-P-03-32744	NEG. mg/cm²	SIDING	WOOD.	WHITE	10 ft²
H-W-P-04-32744	NEG. mg/cm²	FOUNDATION	CONCRETE	WHITE	5 ft²
H-__-P-05-32744	mg/cm²				ft²
H-__-P-06-32744	mg/cm²				ft²
H-__-P-07-32744	mg/cm²				ft²
H-__-P-08-32744	mg/cm²				ft²
H-__-P-09-32744	mg/cm²				ft²
H-__-P-10-32744	mg/cm²				ft²
H-__-P-11-32744	mg/cm²				ft²
H-__-P-12-32744	mg/cm²				ft²
G-E-P-1-32744	NEG mg/cm²	SIDING	WOOD	YELLOW	1 ft²
G-E-P-2-32744	NEG mg/cm²	WINDOW	WOOD	YELLOW	1 ft²
G-S-P-3-32744	NEG mg/cm²	SIDING	WOOD	YELLOW	1 ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²
__-__-P-__-32744	mg/cm²				ft²

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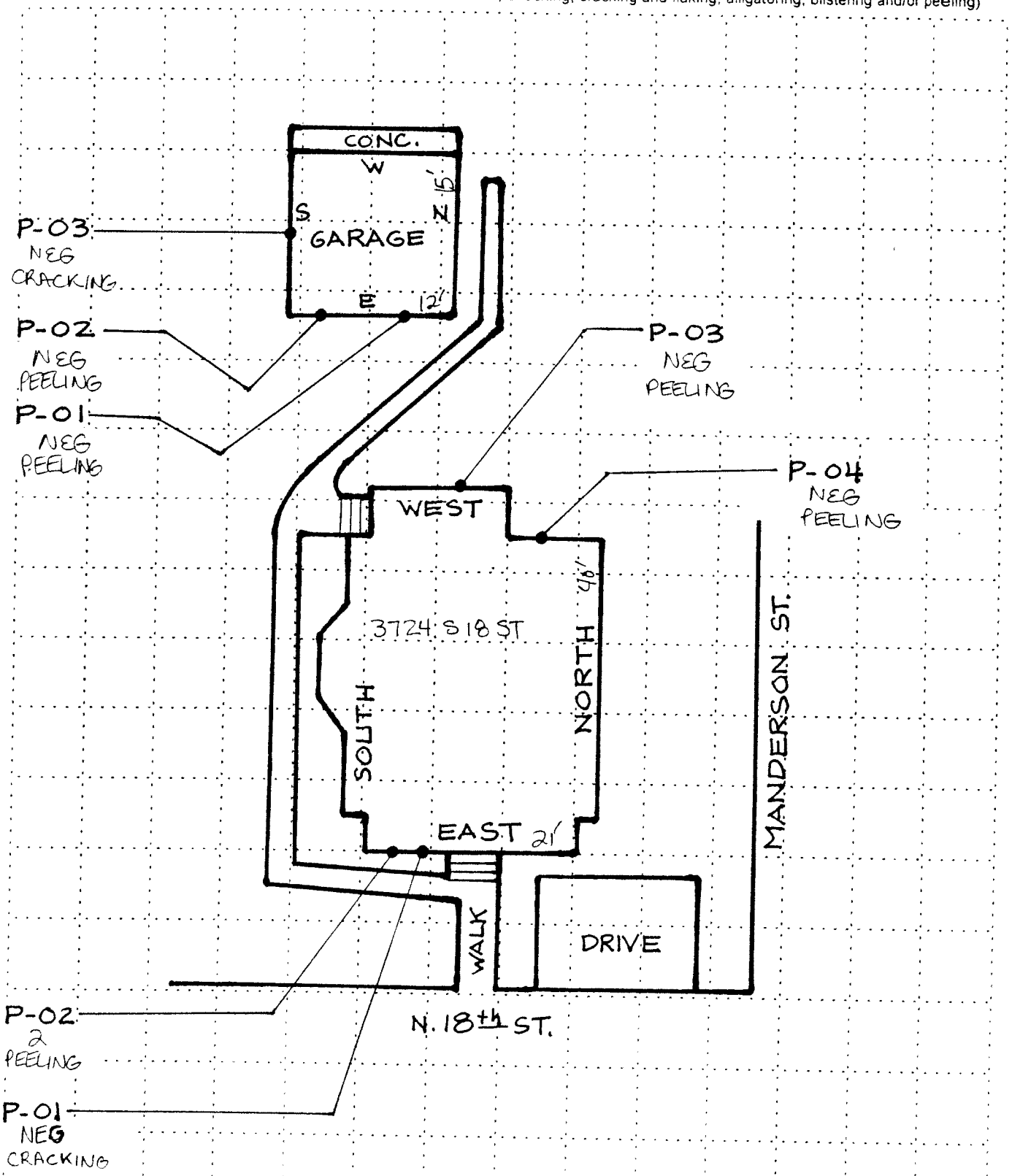
32744

Owner Name: CARL L SMITH JR
Address: 3724 N 18 ST
Phone: H: 402-451-0125 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

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32744

Owner Name: CARL L SMITH JR
Address: 3724 N 18 ST
Phone: H 402-451-0125 W:

Omaha Lead Site LBP Assessment

North Arrow

Additional Notes

HOUSE

Surface Painted Area North = 80 ft2
South = 80 ft2
East = 40 ft2
West = 40 ft2
Total Surface Painted Area = 240 ft2

GARAGE

Surface Painted Area North = 140 ft2
South = 140 ft2
East = 160 ft2
West = 160 ft2
Total Surface Painted Area = 600 ft2

047401 0123

Rev LBP-1

Omaha Lead Site Drip Zone Study

BVID: 33427

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-9-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
~~DZ 01-~~ -		–	☐
~~DZ 02-~~ -		–	☐
~~DZ 03-~~ -		–	☐
DZ 04- E - 33427		1831	☐
DZ 05- E - 33427		1795	☐
DZ 06- E - 33427		1282	☐
DZ 07- E - 33427		1223	☐
DZ 08- E - 33427		870	☐
DZ 09- E - 33427		870	☐
DZ 10- E - 33427		814	☐
DZ 11- E - 33427		811	☐
DZ 12- E - 33427		684	☐
DZ 13- E - 33427		542	☐
DZ 14- E - 33427		600	☐
DZ 15- E - 33427		650	☐
DZ 16- E - 33427		545	☐
DZ 17- E - 33427		571	☑
DZ 18- E - 33427		631	☐
DZ 19- E - 33427		555	☐
DZ 20- E - 33427		417	
DZ ~~20~~ 21 - E - 33427		382	☐
# of Samples:		17	1

Lab Result: DZ17-EL-33427 532 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- S - 33427		2451	☐
DZ 02- S - 33427		2146	☐
DZ 03- S - 33427		2284	☐
DZ 04- S - 33427		2374	☐
DZ 05- S - 33427		1533	☐
DZ 06- S - 33427		1521	☐
~~DZ 07- S - 33427~~		1096	☐
DZ 08- S - 33427		1198	☐
DZ 09- S - 33427		1502	☐
DZ 10- S - 33427		1054	☐
DZ 11- S - 33427		907	☐
DZ 12- S - 33427		756	☐
DZ 13- S - 33427		734	☐
DZ 14- S - 33427		603	☑
DZ 15- S - 33427		670	☐
DZ 16- S - 33427		511	☐
DZ 17- S - 33427		484	☐
DZ 18- S - 33427		555	☐
DZ 19- S - 33427		496	☐
DZ 20- S - 33427		446	
DZ ~~20~~ 21 - S - 33427		397	☐
# of Samples:		20	1

Lab Result: DZ14-SL-33427 580 ppm

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9α2

044701 01 23

BVID: 33427

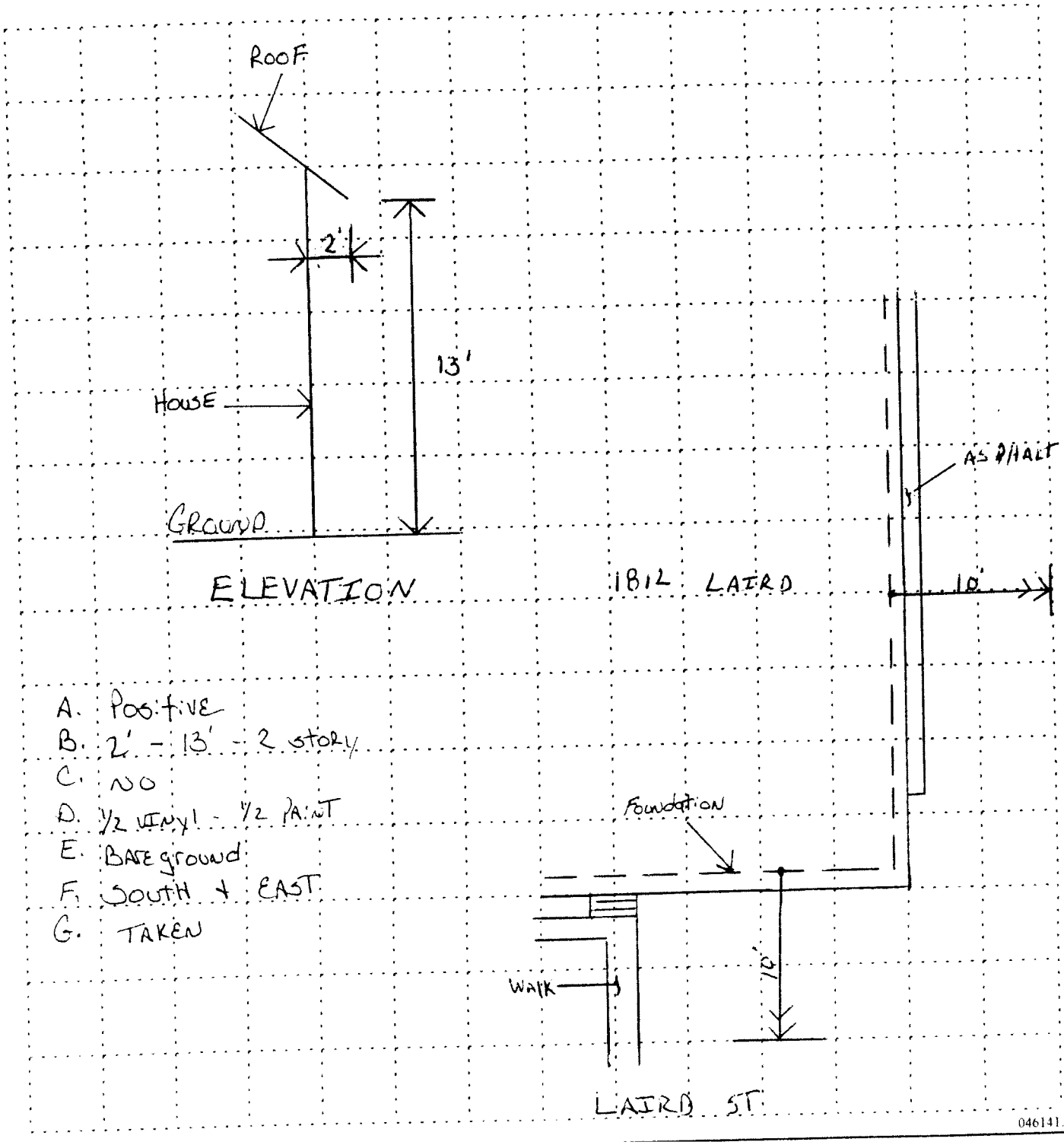
Owner Name: RAYDALE JONES
Address: 1812 LAIRD ST
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

Record the following information:
a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 2' - 13' - 2 story
C. NO
D. 1/2 VINYL - 1/2 PAINT
E. BARE ground
F. SOUTH + EAST
G. TAKEN

046141.0123

33427

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By Roemoyn D. Jones
(Please Print Name)

Roemoyn Jones
(property Owner Signature)

11-19-05
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS ☐ owner ☒ renter

Residence Address: 1812 LAIRD ST OMAHA (CITY) NE (STATE) 68110 (ZIP)

Property owned b ROEMOYN ~~RAYDALE~~ JONES

Owner's mailing address: ~~1812 LAIRD ST~~ 4215 BOYD ST OMAHA, NE 68111 14

Owner's telephone number - Home: 402-451-1086 (DORIS HASKINS) Work:

Age of home? 94 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☒ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: 5 List Ages: 10 - 9 - 4 28 [illegible]

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: Second: 9-15-05 10:56 MSW / KS Third: 11-3-05 3:27 MSW

11-10-05 10:11 MSW

Omaha Lead Site

Black & Veatch Special Projects Corp.

11-19-05 2:30 pm

46130.0103

33427

Owner Name: RAYDALE JONES
Address: 1812 LAIRD ST
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [x] Not paint

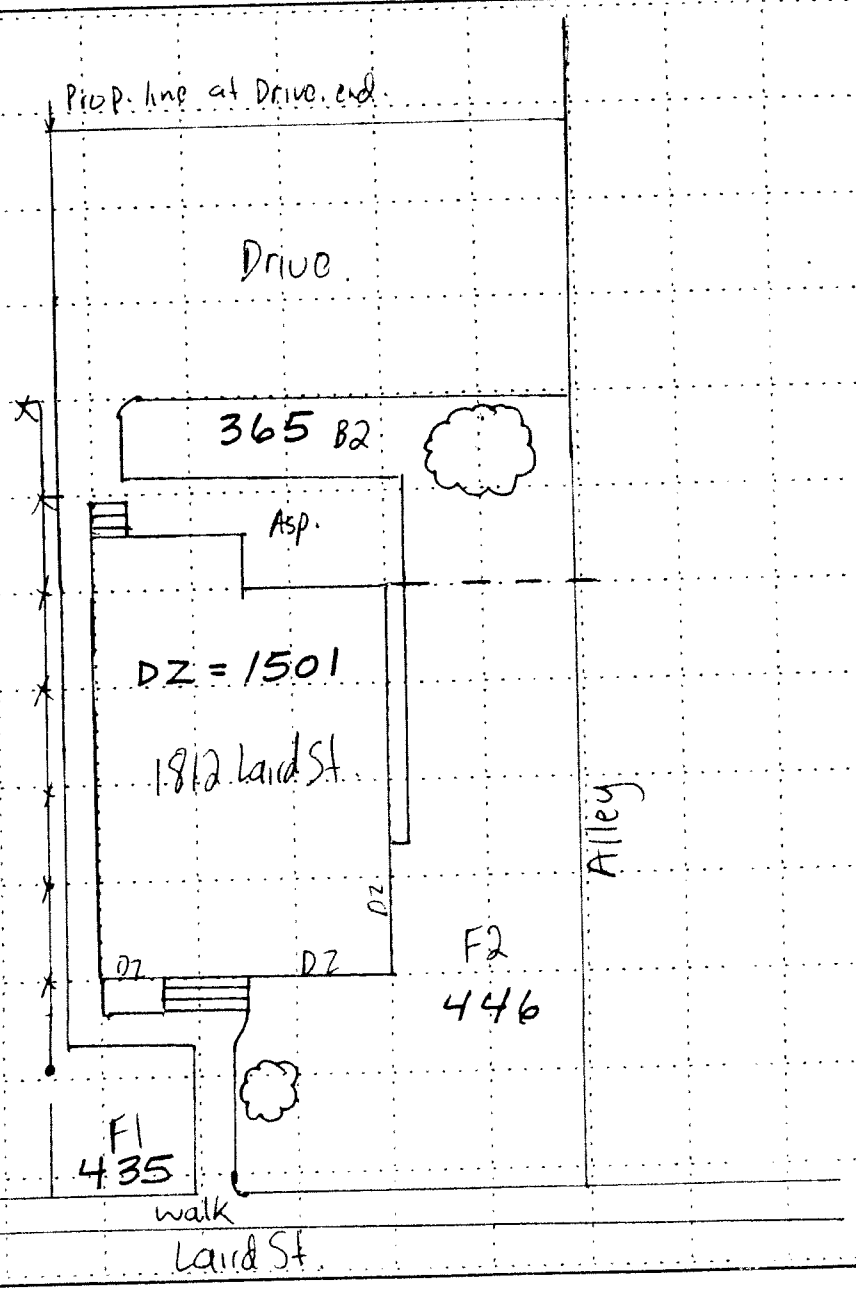
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-33427	F1	435 ppm	[x]	[ ]
RYBSCPXA-33427	F2	446 ppm	[x]	[ ]
~~RYCSCPXA-33427~~	~~B1~~	- ppm	[ ]	[ ]
RYDSCPXA-33427	B2 "M"	365 ppm	[x]	[ ]
RDZSCPXA-33427	DZ	1501 ppm	[x]	[ ]
~~RGZSCPXA-33427~~	~~GZ~~	- ppm	[ ]	[ ]
~~RPZSCPXA-33427~~	~~PZ~~	- ppm	[ ]	[ ]
Number of Samples =			4	0

Samples Collected
Firm: MES-A.H./~~S~~.H.
Date: 12/19/05
Time: ~~2:30~~ 1:10

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-9-06
Time: pm
Staff: LA

ENTERED
JAN 0 3 2006



46130

33427

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-19-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☑ No

Resident Address: 1812 LAIRD ST

OMAHA (CITY) NE (STATE) 68110 (ZIP)

Owner Name: ROEMOYN JONES

Owner address: 4215 BOYD ST, OMAHA, NE 68114

Owner's telephone number - Home: 402-451-1086 Work:

Age of home: 96 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House 80% aluminum siding, 20% painted including window trim, soffits, porch steps, concrete foundation, siding

Description of conditions which could contribute to paint deterioration: no gutter system on S or E sides, incomplet downspout on NW corner, missing siding on fascia on S side exposing deteriorating paint

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

33427

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/19/05 Time: 1:35
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-S-P-01-33427	NEG mg/cm²	WINDOW/TRIM	WOOD	BROWN	1 ft²
H-S-P-02-33427	NEG mg/cm²	PORCH/STEP	CONCRETE	BROWN	3 ft²
H-E-P-03-33427	NEG mg/cm²	FOUNDATION	CONCRETE	BROWN	3 ft²
H-W-P-04-33427	1 mg/cm²	DOOR/THRESHOLD	METAL	BROWN	4 ft²
H-__-P-05-33427	mg/cm²				ft²
H-__-P-06-33427	mg/cm²				ft²
H-__-P-07-33427	mg/cm²				ft²
H-__-P-08-33427	mg/cm²				ft²
H-__-P-09-33427	mg/cm²				ft²
H-__-P-10-33427	mg/cm²				ft²
H-__-P-11-33427	mg/cm²				ft²
H-__-P-12-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²
__-__-P-___-33427	mg/cm²				ft²

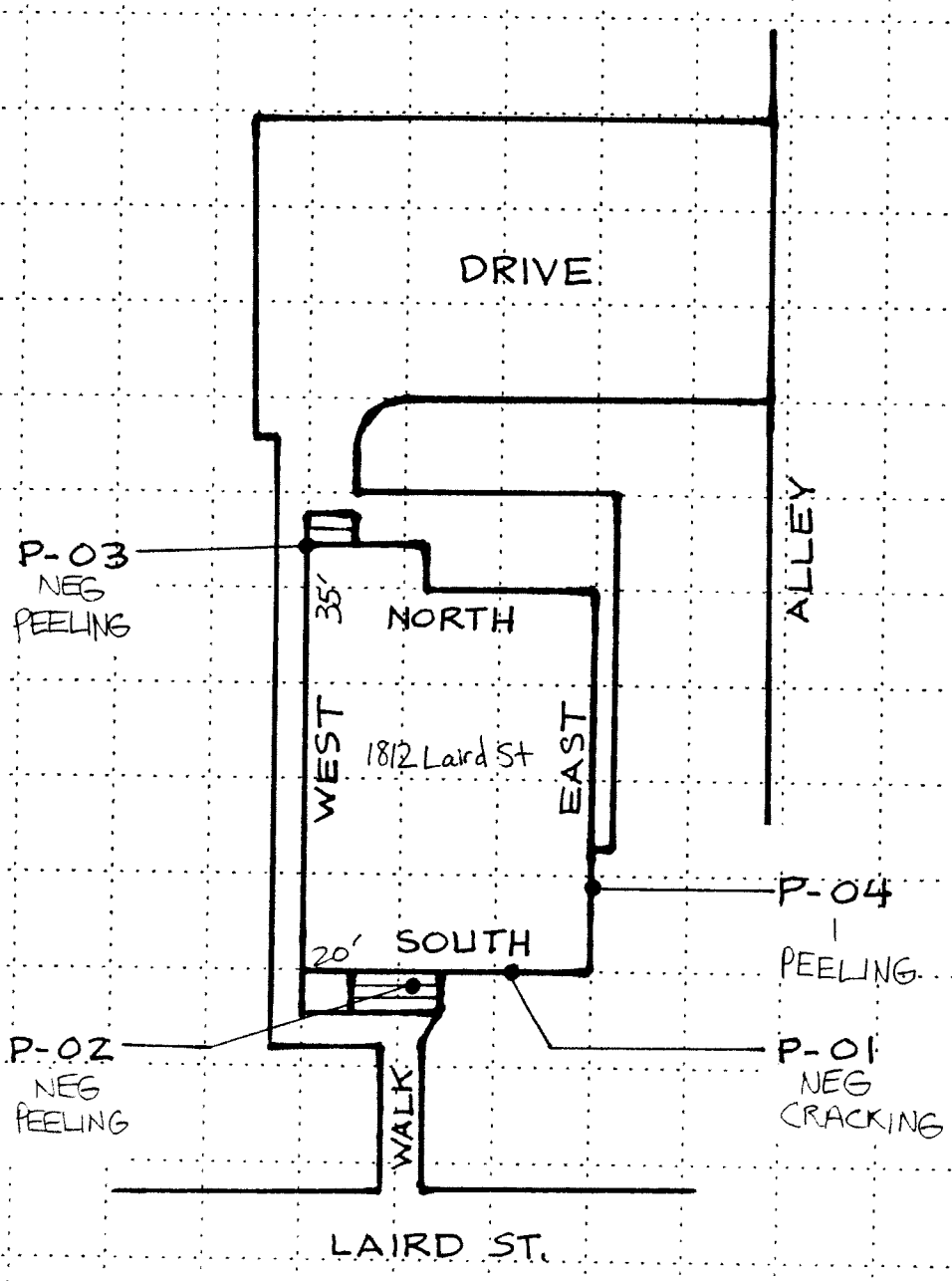
33427

Owner Name: ROEMOYN JONES
Address: 1812 LAIRD ST
Phone: H: 402-451-1086 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

33427

Owner Name: ROEMOYN JONES
Address: 1812 LAIRD ST
Phone: H: 402-451-1086 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 60 ft2
South = 175 ft2
East = 130 ft2
West = 80 ft2
Total Surface Painted Area = 445 ft2

047401 0123

Rev LBP-1

Omaha Lead Site Drip Zone Study

BVID: 33601

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-12-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- E - 33601		322	☐
DZ 02- E - 33601		245	☐
DZ 03- E - 33601		222	☐
~~DZ 04-~~		–	☐
~~DZ 05~~		–	☐
~~DZ 06~~		–	☐
DZ 07- E - 33601		133	☐
DZ 08- E - 33601		134	☐
DZ 09- E - 33601		136	☐
DZ 10- E - 33601		116	☐
DZ 11- E - 33601		98	☐
DZ 12- E - 33601		112	☐
DZ 13- E - 33601		128	☐
DZ 14- E - 33601		94	☐
DZ 15- E - 33601		102	☐
DZ 16- E - 33601		92	☐
DZ 17- E - 33601		96	☐
DZ 18- E - 33601		84	☐
DZ 19- E - 33601		78	☐
DZ 20 - E - 33601		68	
DZ ~~20~~ 21 - E - 33601		65	☐

# of Samples: 18

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- S - 33601		363	☐
DZ 02- S - 33601		341	☐
DZ 03- S - 33601		261	☐
DZ 04- S - 33601		256	☐
DZ 05- S - 33601		211	☐
DZ 06- S - 33601		181	☐
DZ 07- S - 33601		184	☐
DZ 08- S - 33601		149	☐
DZ 09- S - 33601		135	☐
DZ 10- S - 33601		133	☐
DZ 11- S - 33601		121	☐
DZ 12- S - 33601		115	☐
DZ 13- S - 33601		125	☐
DZ 14- S - 33601		116	☐
DZ 15- S - 33601		123	☐
DZ 16- S - 33601		113	☐
DZ 17- S - 33601		120	☐
DZ 18- S - 33601		108	☐
DZ 19- S - 33601		105	☐
DZ 20 - S - 33601		96	
DZ ~~20~~ 21 - S - 33601		88	☐

# of Samples: 21

Rev 0.9a2

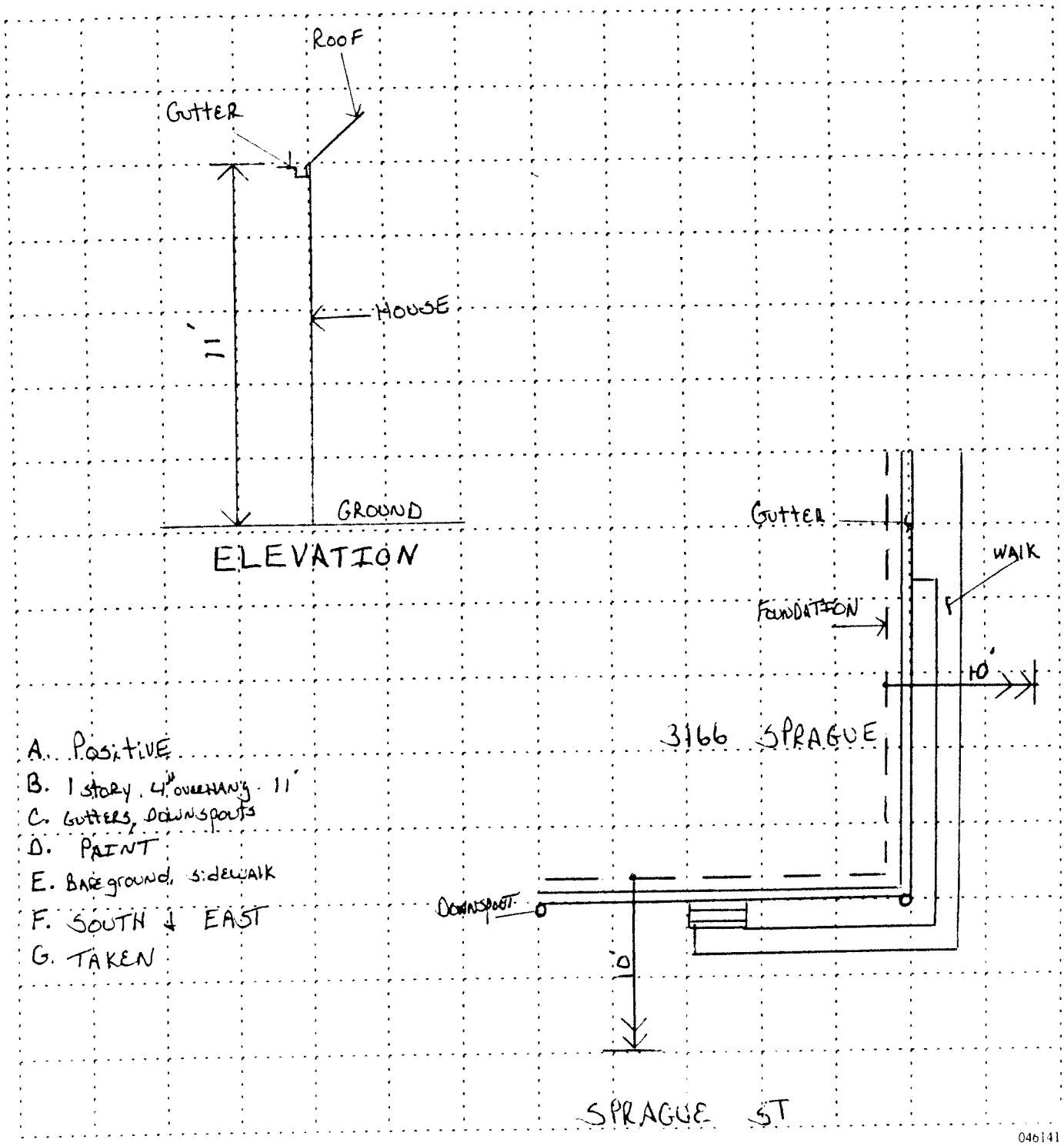
044701 01 23

BVID: 33601

Owner Name: JOE L. TAYLOR Address: 3166 SPRAGUE ST Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☐ Good ☑ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 1 STORY, 4" OVERHANG, 11'
C. GUTTERS, DOWNSPOUTS
D. PAINT
E. BARE ground, SIDEWALK
F. SOUTH & EAST
G. TAKEN

046141 0123

2100 N

33601

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By JOE TAYLOR
(Please Print Name)

Joe L Taylor
(property Owner Signature)

11-22-05
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS ☐ owner ☒ renter

Residence Address: 3166 SPRAGUE ST OMAHA (CITY) NE (STATE) 68111 (ZIP)

Property owned b JOE L TAYLOR

Owner's mailing address: 5255 TUCKER ST, OMAHA, NE 68111

Owner's telephone number - Home: 572 - 0119 Work: —

Age of home? 55 years How long have you ~~lived~~ owned here? ~~32~~ 31 years

Has the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: Vacant List Ages:

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 11-3-05 5:31 MSW Second: 11/10/05 12:30 MSW Third: 11-15-05 2:00PM 11-22-05 MT Sign 1:55 MSW

Black & Veatch Special Projects Corp.

Omaha Lead Site

FB 134

46130.0103

33601

Owner Name: JOE L TAYLOR
Address: 3166 SPRAGUE ST
Phone: H: 572-0119 W:

Omaha Lead Site Site Sketch

Exterior Paint
- ☐ Good
- ☑ Poor
- ☐ Not paint

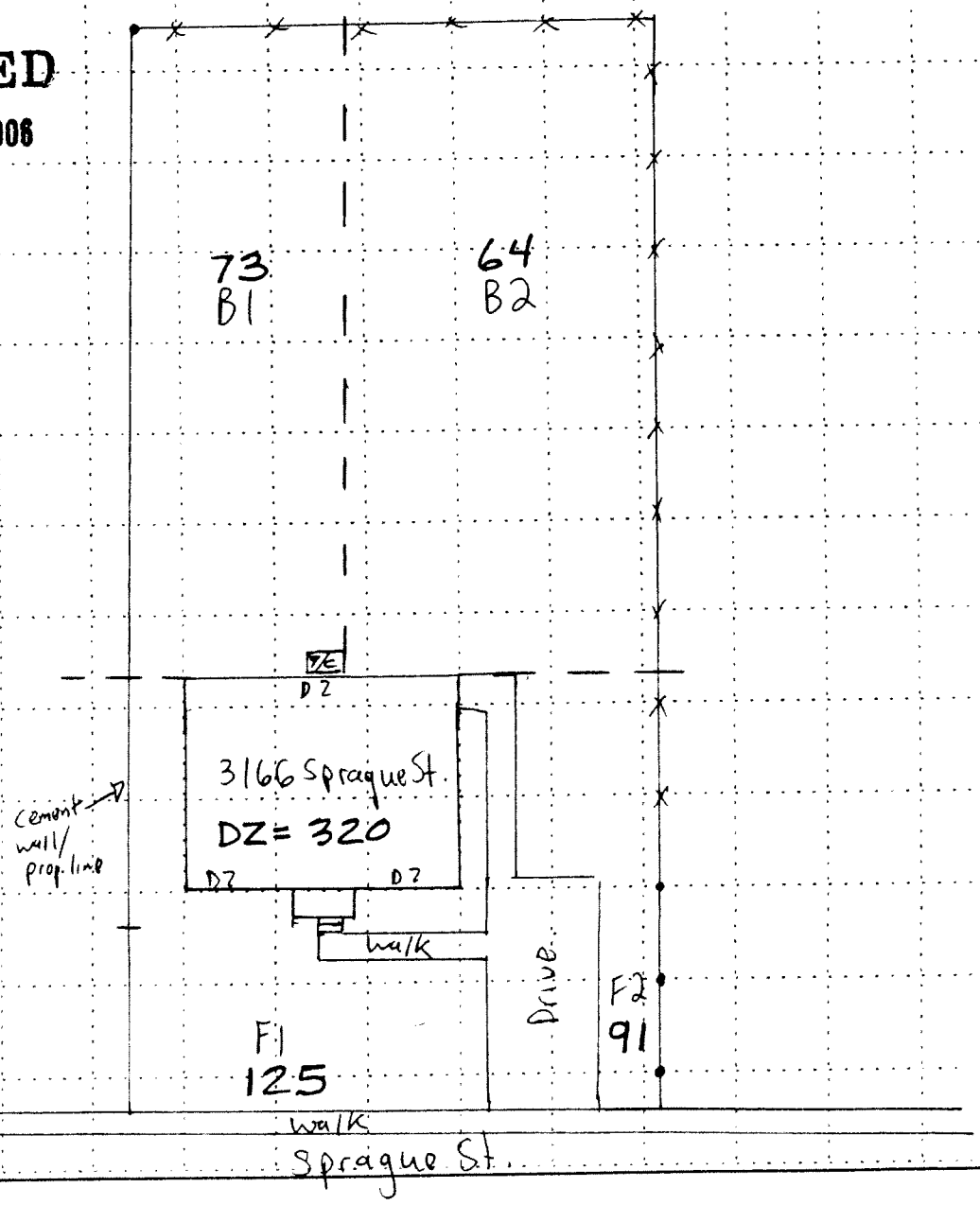
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-33601	F1	125 ppm	☑	☐
RYBSCPXA-33601	F2	91 ppm	☑	☐
RYCSCPXA-33601	B1	73 ppm	☑	☐
RYDSCPXA-33601	B2	64 ppm	☑	☐
RDZSCPXA-33601	DZ	320 ppm	☑	☐
~~RGZSCPXA-33601~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-33601~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/20/05
Time: 11:00

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-12-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



33601

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By _____ (Please Print Name)

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

11-22-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☐ Yes ☐ No

Resident Address: 3166 SPRAGUE ST OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: JOE L TAYLOR

Owner address: 5255 TUCKER ST, OMAHA, NE 68111

Owner's telephone number - Home: 402-572-0119 Work: _____

Age of home: 57 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House 100% painted

Description of conditions which could contribute to paint deterioration: Broken windows on E, N, & W sides. Incomplete downspouts on NE, SE, & SW corners. Damaged gutter system on W side.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

33601

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/20/05 Time: 11:20
Staff: MES - A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - S - P - 01 - 33601	NEG mg/cm²	PORCH/STEP	CONCRETE	BLACK	40 ft²
H - S - P - 02 - 33601	7 mg/cm²	DOOR/FRAME	WOOD	BLACK	3 ft²
H - S - P - 03 - 33601	2 mg/cm²	SIDING	WOOD	WHITE	5 ft²
H - S - P - 04 - 33601	NEG mg/cm²	WINDOW/TRIM	WOOD	BLACK	5 ft²
H - W - P - 05 - 33601	6 mg/cm²	SIDING	WOOD	WHITE	20 ft²
H - W - P - 06 - 33601	2 mg/cm²	WINDOW/TRIM	WOOD	WHITE	12 ft²
H - W - P - 07 - 33601	NEG mg/cm²	FOUNDATION	CONC.	WHITE	5 ft²
H - N - P - 08 - 33601	1 mg/cm²	WINDOW/TRIM	WOOD	WHITE	7 ft²
H - N - P - 09 - 33601	NEG mg/cm²	SIDING	WOOD	WHITE	3 ft²
H - E - P - 10 - 33601	3 mg/cm²	SIDING	WOOD	WHITE	2 ft²
H - E - P - 11 - 33601	NEG mg/cm²	FOUNDATION	CONC.	BROWN	1 ft²
H - E - P - 12 - 33601	3 mg/cm²	WINDOW/TRIM	WOOD	BLACK	1 ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
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__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²
__ - __ - P - ___ - 33601	mg/cm²				ft²

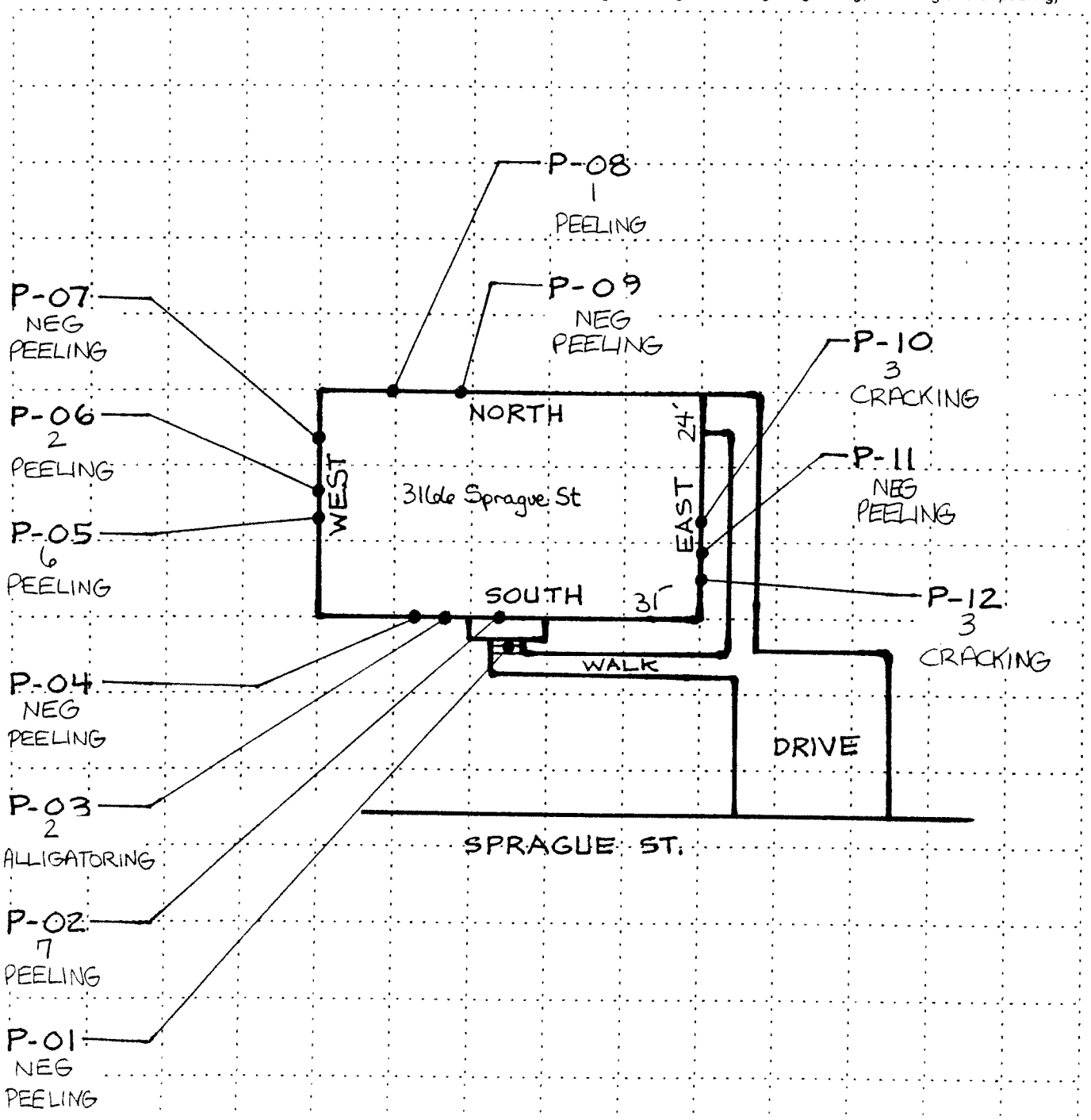
33601

Owner Name: JOE L TAYLOR
Address: 3166 SPRAGUE ST
Phone: H: 402-572-0119 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



33601

Owner Name: JOE L TAYLOR
Address: 3166 SPRAGUE ST
Phone: H: 402-572-0119 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 280 ft2
South = 310 ft2
East = 250 ft2
West = 246 ft2
Total Surface Painted Area = 1086 ft2

Omaha Lead Site Drip Zone Study BVID: 36911

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-10-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-36911		90	☐
DZ 02-E-36911		45	☐
DZ 03-E-36911		95	☑
DZ 04-E-36911		283	☐
DZ 05-E-36911		326	☐
DZ 06-E-36911		266	☐
DZ 07-E-36911		183	☐
DZ 08-E-36911		217	☐
DZ 09-E-36911		196	☐
DZ 10-E-36911		185	☐
DZ 11-E-36911		204	☐
DZ 12-E-36911		263	☐
DZ 13-E-36911		325	☐
DZ 14-E-36911		358	☐
DZ 15-E-36911		315	☐
DZ 16-E-36911		350	☐
DZ 17-E-36911		370	☐
DZ 18-E-36911		384	☐
DZ 19-E-36911		505	☐
DZ 20-E-36911		593	
DZ ~~20~~ 21-E-36911		533	☐
# of Samples:		20	1

Lab Result: DZ03-EL-36911 85.1 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-36911		1426	☐
DZ 02-S-36911		1151	☐
DZ 03-S-36911		1306	☐
~~DZ 04-S~~		–	☐
~~DZ 05~~		–	☐
~~DZ 06~~		–	☐
DZ 07-S-36911		466	☐
DZ 08-S-36911		414	☐
DZ 09-S-36911		335	☐
DZ 10-S-36911		359	☐
DZ 11-S-36911		396	☐
DZ 12-S-36911		332	☐
DZ 13-S-36911		240	☑
DZ 14-S-36911		235	☐
DZ 15-S-36911		228	☐
DZ 16-S-36911		210	☐
DZ 17-S-36911		203	☐
DZ 18-S-36911		198	☐
DZ 19-S-36911		182	☐
DZ 20-S-36911		184	
DZ ~~20~~ 21-S-36911		156	☐
# of Samples:		17	1

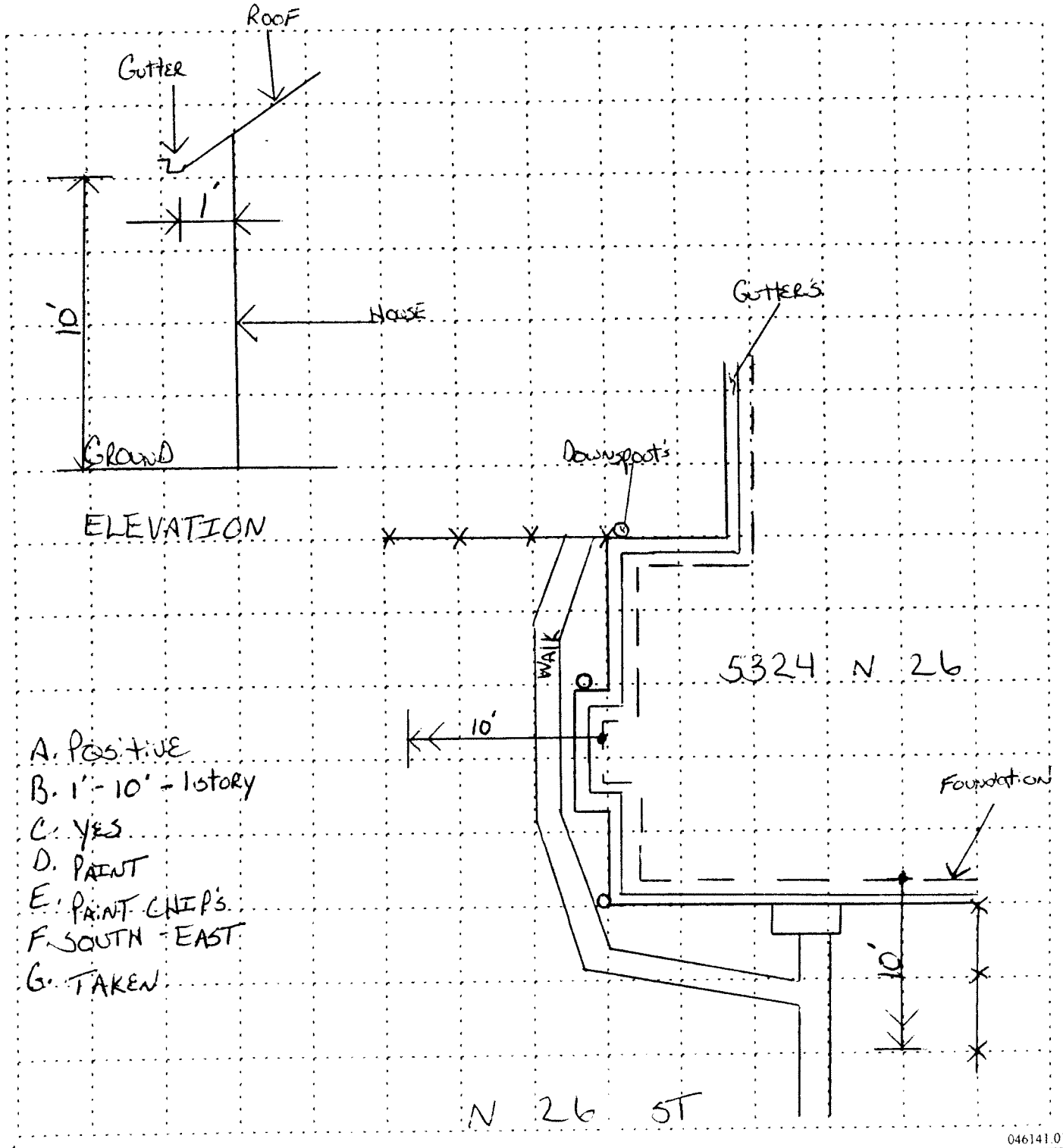
Lab Result: DZ13-SL-36911 273 ppm

BVID: 36911

Owner Name: TOM ENT Address: 5324 N 26 ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☑ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 1'-10' - 1 story
C. YES
D. PAINT
E. PAINT CHIPS
F. SOUTH - EAST
G. TAKEN

36911

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X Richard Hammond
(Please Print Name)

X Richard Hammond
(property Owner Signature)

X 12-9-2005
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS Richard Hammond ☒ owner ~~☐ renter~~

Residence Address: 5324 N 26 ST OMAHA (CITY) NE (STATE) 68111 (ZIP)

Property owned by ~~T-O M ENT LP~~ SAME

Owner's mailing address: ~~C/O OBED OAS PO BOX 53, BELLEVUE, NE 68005~~ 5324 N 26 ST

Owner's telephone number - Home: 402-6129461 MIKE Work:

Age of home? 109 years How long have you lived here? 2 years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: 2 List Ages: 49 - 26

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: 0

Comments: NEW OWNER

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 12-5-05 12:35 pm MT Second: 12-7-05 3:15 pm MT Third: 12-9-05 10:50 AM MT

36911

Owner Name: Richard Hammond ~~TOMENT LP~~
Address: 5324 N 26 ST
Phone: H: 612-9461 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☑ Poor
- ☐ Not paint

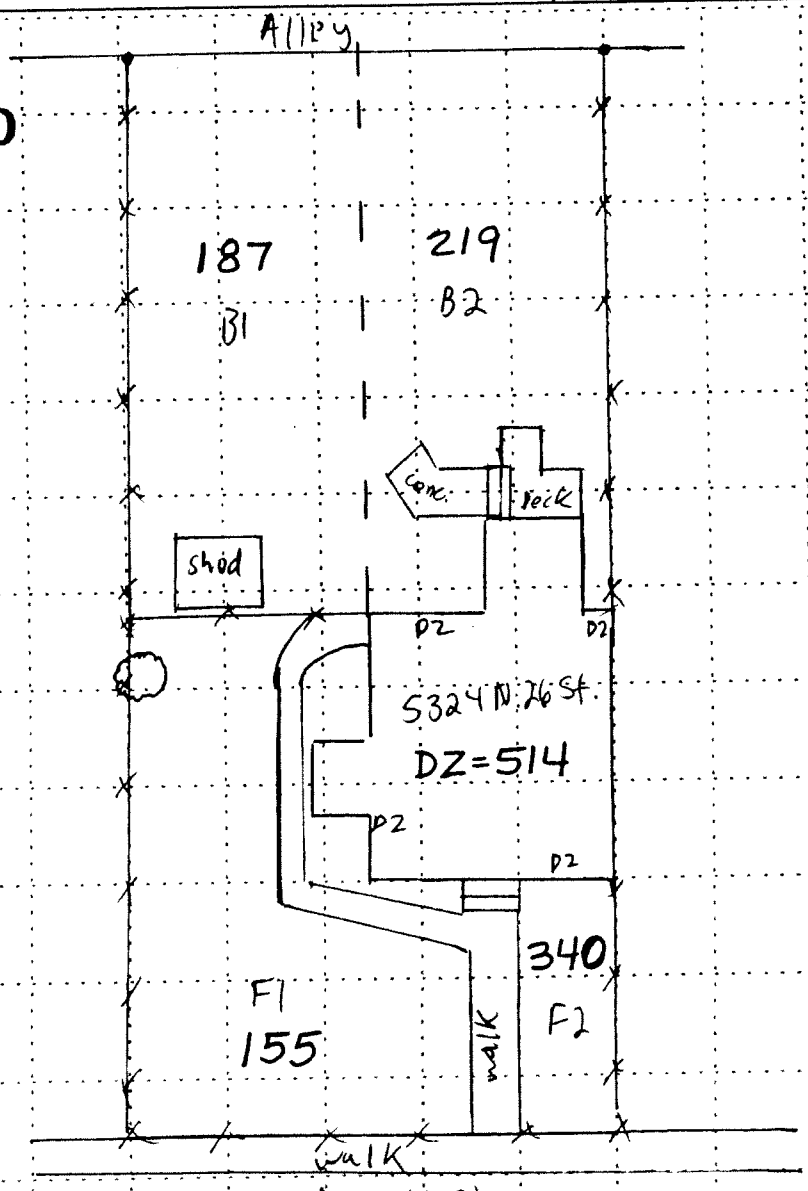
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-36911	F1	155 ppm	☑	☐
RYBSCPXA-36911	F2	340 ppm	☑	☐
RYCSCPXA-36911	B1	187 ppm	☑	☐
RYDSCPXA-36911	B2	219 ppm	☑	☐
RDZSCPXA-36911	DZ	514 ppm	☑	☐
~~RGZSCPXA-36911~~	~~GZ~~	– ppm	☐	☐
~~RPZSCPXA-36911~~	~~PZ~~	– ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/22/05
Time: 9:05

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-10-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



46130

Prepared for:
U.S. Environmental Protection Agency
Region 7
901 North 5th Street
Kansas City, Kansas 66101

Drip Zone Width Study Addendum

Copies of Field Sheets

Omaha Lead Site
Omaha, Nebraska

April 6, 2006

EPA Contract No.: EP-S7-05-06
EPA Task Order No.: 091
BVSPC Project No.: 44701

Prepared by:
Black & Veatch Special Projects Corp.
6601 College Blvd.
Overland Park, Kansas 66211

BLACK & VEATCH SPECIAL PROJECTS CORP.

MEMORANDUM

PROJECT: Omaha Lead Site Remedial Design BVSPC Project 44701
SUBJECT: Drip Zone Width Study BVSPC File D.1
April 6, 2006

To: Robert Feild, EPA Region 7 Task Order Project Officer

From: Clif Rope

RE: Transmittal of Revised Drip Zone Width Study Addendum

Please find enclosed 3 bound copies and 1 unbound copy of the Revised Drip Zone Width Study Addendum. This document supersedes the March 17, 2006 Drip Zone Width Study (DZWS) Report Addendum, prepared by Black & Veatch Special Projects Corporation. Like the previous version, this document contains the field sheets for each property included in the study, arranged by BVID (See Table 1). The BVID is a unique parcel or property identification number assigned to a parcel or property in connection with CERCLA Remedial Investigation or Remedial Design residential soil sampling activities.

Environmental sampling associated with the DZWS took place in December 2005. Office screening XRF analyses were completed in January 2006. This Addendum contains field sheets covering the following types of sampling:

- Drip Zone Width Study sampling
- Residential Surface Soil Sampling
- Exterior Lead-Based Paint Assessments

This addendum also includes Access Signature forms signed by the property owners. Because all sampling was conducted the same day, one Access Signature sheet was obtained by the Sampling Teams to cover all three types of sampling listed above.

Following submittal of the draft DZWS report in March 2006, Mr. Feild commented that LBP Assessment field sheet data was incomplete and did not match the data being collected during the in-progress LBP Assessment work that commenced in February 2006. Black & Veatch subsequently revisited the DZWS properties, collected additional exterior paint information and revised the LBP Assessment field sheets. The only difference between this document and the March 17 version is the revised the LBP Assessment field sheets, all of which have been exchanged.

If you have any questions, please do not hesitate to contact me at 913-458-6636.

Table 1- Drip Zone Width Study Property List

	BVID	ADDRESS
1	2452	1314 S 31 ST
2	10283	4541 S 18 ST
3	12271	3971 S 39 AV
4	13285	3523 VALLEY ST
5	14410	3608 FREDERICK ST
6	14414	2311 SPRING ST
7	14532	3015 FREDERICK ST
8	15951	2604 S 32 ST
9	16201	2104 BANCROFT ST
10	18203	3323 FRANCES ST
11	25551	3861 CHARLES ST
12	30262	3208 N 41 ST
13	30444	3229 N 41 ST
14	32409	3735 N 40 ST
15	32501	3748 N 40 ST
16	32744	3724 N 18 ST
17	33427	1812 LAIRD ST
18	33601	3166 SPRAGUE ST
19	36911	5324 N 26 ST
20	37404	2907 ELLISON AV
21	37459	5524 N 27 ST
22	37506	2427 ELLISON AV
23	49066	4721 S 18 ST
24	49149	2702 S 19 ST
25	49565	204 S 48 ST
26	49643	4601 DAVENPORT ST
27	49766	4602 CALIFORNIA ST
28	49864	4713 CUMING ST
29	52373	4724 DAVENPORT ST
30	52375	4624 DAVENPORT ST

BVID: 2452

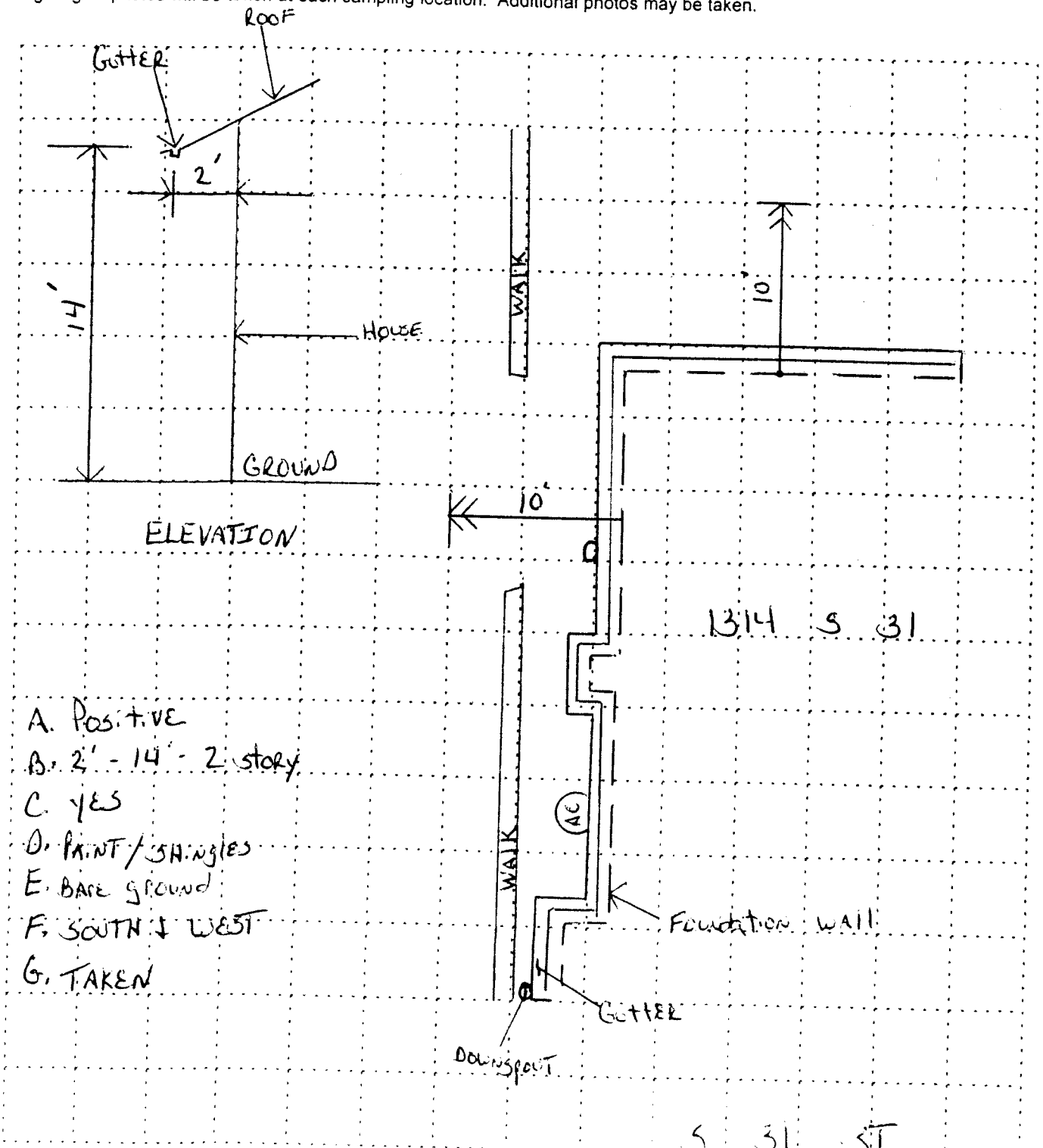
Owner Name: SIDONIA DELAROSA
Address: 1314 S 31 ST
Phone: H: W:

Omaha Lead Site Site Sketch

Exterior Paint
- [ ] Good
- [x] Poor
- [ ] Not paint

North Arrow

Record the following information:
a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 2' - 14' - 2 story
C. YES
D. PAINT / SHINGLES
E. BARE GROUND
F. SOUTH & WEST
G. TAKEN

Rev 4

046141 0123

Omaha Lead Site Drip Zone Study

BVID: 2452

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-5-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-2452		292	☐
DZ 02-W-2452		177	☐
DZ 03-W-2452		283	☐
DZ 04-W-2452		379	☐
DZ 05-W-2452		212	☐
DZ 06-W-2452		225	☐
DZ 07-W-2452		313	☐
DZ 08-W-2452		365	☐
DZ 09-W-2452		321	☐
DZ 10-W-2452		283	☐
DZ 11-W-2452		226	☐
DZ 12-W-2452		308	☐
DZ 13-W-2452		278	☑
DZ 14-W-2452		258	☐
DZ 15-W-2452		242	☐
DZ 16-W-2452		235	☐
DZ 17-W-2452		205	☐
DZ 18-W-2452		199	☐
DZ 19-W-2452		262	☐
DZ 20-W-2452		215	
DZ 20-W-2452		197	☐
# of Samples:		20	1

Lab Result: DZ13-WL-2452 287 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-2452		429	☐
DZ 02-S-2452		424	☐
DZ 03-S-2452		407	☐
DZ 04-S-2452		455	☑
DZ 05-S-2452		392	☐
DZ 06-S-2452		330	☐
DZ 07-S-2452		331	☐
DZ 08-S-2452		436	☐
DZ 09-S-2452		743	☐
DZ 10-S-2452		598	☐
DZ 11-S-2452		495	☐
DZ 12-S-2452		387	☐
DZ 13-S-2452		394	☐
DZ 14-S-2452		321	☐
DZ 15-S-2452		348	☐
DZ 16-S-2452		356	☐
DZ 17-S-2452		430	☐
DZ 18-S-2452		415	☐
DZ 19-S-2452		403	☐
DZ 20-S-2452		346	
DZ 20-S-2452		338	☐
# of Samples:		20	1

Lab Result: DZ04-SL-2452 376 ppm

044701.01.23

2452

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS (to be completed by property owner)

Para recibir esta forma en español por favor llame Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X Sidonia de la Rosa (Please Print Name) (nombre de dueño)

Sidonia De La Rosa (property Owner Signature) (firma del dueño) 12-11-05 (date) (fecha)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☑ owner ☐ renter

Residence Address: 1314 S 31 ST OMAHA (CITY) NE (STATE) 68105 (ZIP)

Property owned by SIDONIA DELAROSA

Owner's mailing address: 1314 S 31 ST, OMAHA, NE 68105

Owner's telephone number - Home: (402) 884 3476 (402) 734 9590 Work: _____

Age of home? 115 years How long have you lived here? 10 years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☑ No

Has the interior been painted or covered since 1978? ☐ Yes ☑ No

Total number of occupants: 17 List Ages: 6 adultos y 3 de 13 años y 3 de 9 y 3 de 4

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: 3 y 1 años y 6 meses (1 año)

Comments: 4 niños menores de 5 años Todos juegan en la yarda + D2 Study

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 10/22/05 1:41 JH Second: 11-4-05 2:14 Third: 12/07/05 3:45pm S.T.H.

Omaha Lead Site

Black & Veatch Special Projects Corp.

46130 0183

MES

2452

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By _____
(Please Print Name)

_____ (property Owner Signature) _____ (date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 1314 S 31 ST OMAHA (CITY) NE (STATE) 68105 (ZIP)

Property owned by SIDONIA DELAROSA

Owner's mailing address: 1314 S 31 ST, OMAHA, NE 68105

Owner's telephone number - Home: _____ Work: _____

Age of home? 115 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 10/22/05 1:41 JH Second: 11-2-05 2:14 Third: 12/07/05 3:45 pm S.J.H.

FR 07 2 7fa

2452

Owner Name: SIDONIA DELAROSA
Address: 1314 S 31 ST
Phone: H: 884-3476 W:

Omaha Lead Site Site Sketch

Exterior Paint
- ☐ Good
- ☑ Poor
- ☐ Not paint

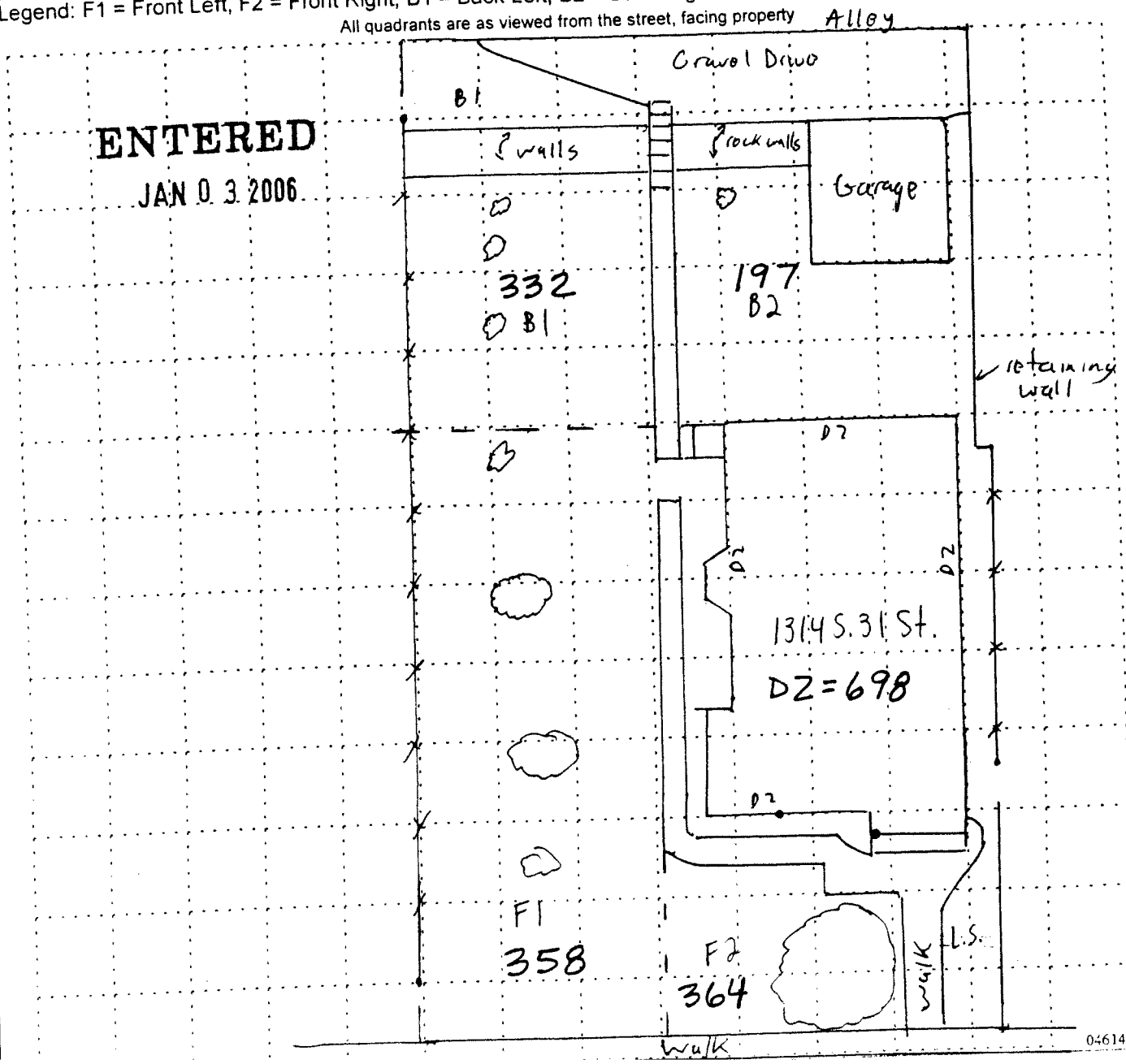
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-2452	F1	358 ppm	☑	☐
RYBSCPXA-2452	F2	364 ppm	☑	☐
RYCSCPXA-2452	B1	332 ppm	☑	☐
RYDSCPXA-2452	B2	197 ppm	☑	☐
RDZSCPXA-2452	DZ	698 ppm	☑	☐
~~RGZSCPXA-2452~~	~~GZ~~	– ppm	☐	☐
~~RPZSCPXA-2452~~	~~PZ~~	– ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./K.M.
Date: 12/27/05
Time: 1:55

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-5-06
Time: PM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property



ENTERED
JAN 03 2006

046141.0123

2452

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12-11-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☐ No

Resident Address: 1314 S 31 ST

OMAHA (CITY) NE (STATE) 68105 (ZIP)

Owner Name: SIDONIA DELAROSA

Owner address: 1314 S 31 ST, OMAHA, NE 68105

Owner's telephone number - Home: 402-884-3476 Work:

Age of home: 116 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - shingle siding - 70%, 30% painted - window/door trim, siding, porch, soffit + fascia. Shed - wood siding - 100% painted.

Description of conditions which could contribute to paint deterioration: Gutters are in poor condition, missing splash blocks on east/south sides, and missing downspout on south side. On east side soffit/fascia, porch ceiling + floor was included cont pg 4.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

2452

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/27/05 Time: 2:25
Staff: MES-A.H./K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-S-P-01-2452	10 mg/cm²	COLUMN	WOOD	TAN	55 ft²
H-E-P-02-2452	NEG mg/cm²	SIDING	WOOD	TAN	3 ft²
H-S-P-03-2452	6 mg/cm²	WINDOW	WOOD	TAN	40 ft²
H-S-P-04-2452	NEG mg/cm²	DOOR	WOOD	TAN	5 ft²
H-W-P-05-2452	5 mg/cm²	WINDOW	WOOD	TAN	25 ft²
H-__-P-06-2452	mg/cm²				ft²
H-__-P-07-2452	mg/cm²				ft²
H-__-P-08-2452	mg/cm²				ft²
H-__-P-09-2452	mg/cm²				ft²
H-__-P-10-2452	mg/cm²				ft²
H-__-P-11-2452	mg/cm²				ft²
H-__-P-12-2452	mg/cm²				ft²
G-S-P-1-2452	NEG mg/cm²	SIDING	WOOD	TAN	5 ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²
__-__-P-__-2452	mg/cm²				ft²

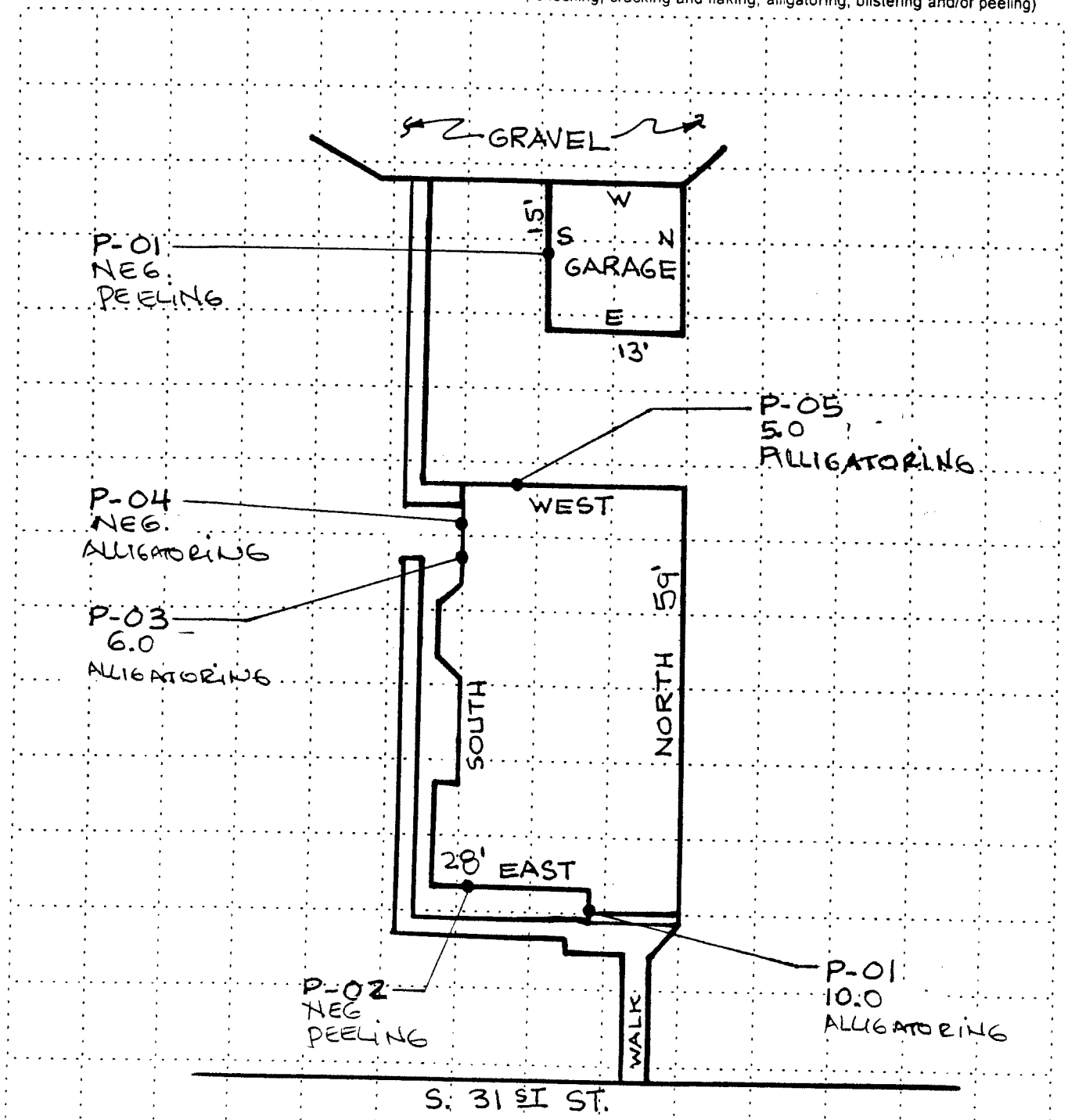
044701.01.23

Owner Name: SIDONIA DELAROSA
Address: 1314 S 31 ST
Phone: H: 402-884-3476 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Owner Name: SIDONIA DELAROSA
Address: 1314 S 31 ST
Phone: H: 402-884-3476 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

GARAGE.

Surface Painted Area North = ϕ ft2
South = 150 ft2
East = 90 ft2
West = 50 ft2
Total Surface Painted Area = 250. ft2

HOUSE

Surface Painted Area North = 490 ft2
South = 490 ft2
East = 700 ft2
West = 160 ft2
Total Surface Painted Area = 1840. ft2

cont. from pg. 1.
w/ the column for deteriorated area. On the south/west sides soffit/fascia included w/ window trim for deteriorated area. On the north side soffit/fascia deteriorated area is 25 ft².

Omaha Lead Site Drip Zone Study

BVID: 10283

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-16-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-10283		326	☐
DZ 02-W-10283		253	☐
DZ 03-W-10283		273	☐
DZ 04-W-10283		301	☐
DZ 05-W-10283		305	☐
~~DZ 06-W-10283~~		–	☐
~~DZ 07-W-10283~~		–	☐
~~DZ 08-W-10283~~		–	☐
DZ 09-W-10283		197	☐
DZ 10-W-10283		209	☐
DZ 11-W-10283		275	☐
DZ 12-W-10283		189	☐
DZ 13-W-10283		176	☐
DZ 14-W-10283		134	☐
DZ 15-W-10283		136	☐
DZ 16-W-10283		119	☐
DZ 17-W-10283		133	☐
DZ 18-W-10283		114	☐
DZ 19-W-10283		105	☐
DZ 20-W-10283		131	
DZ ~~20~~ 21-W-10283		112	☐
# of Samples:		18	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
~~DZ 01-~~		–	☐
~~DZ 02-~~		–	☐
~~DZ 03-~~		–	☐
~~DZ 04-~~		–	☐
~~DZ 05-~~		–	☐
~~DZ 06~~		–	☐
DZ 07-S-10283		503	☐
DZ 08-S-10283		1009	☐
DZ 09-S-10283		597	☐
DZ 10-S-10283		763	☐
DZ 11-S-10283		470	☐
DZ 12-S-10283		389	☐
DZ 13-S-10283		588	☐
DZ 14-S-10283		870	☐
DZ 15-S-10283		516	☐
DZ 16-S-10283		456	☐
DZ 17-S-10283		461	☐
DZ 18-S-10283		366	☐
DZ 19-S-10283		316	☐
DZ 20-S-10283		324	
DZ ~~20~~ 21-S-10283		297	☐
# of Samples:		15	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

044701.01.23

BVID: 10283

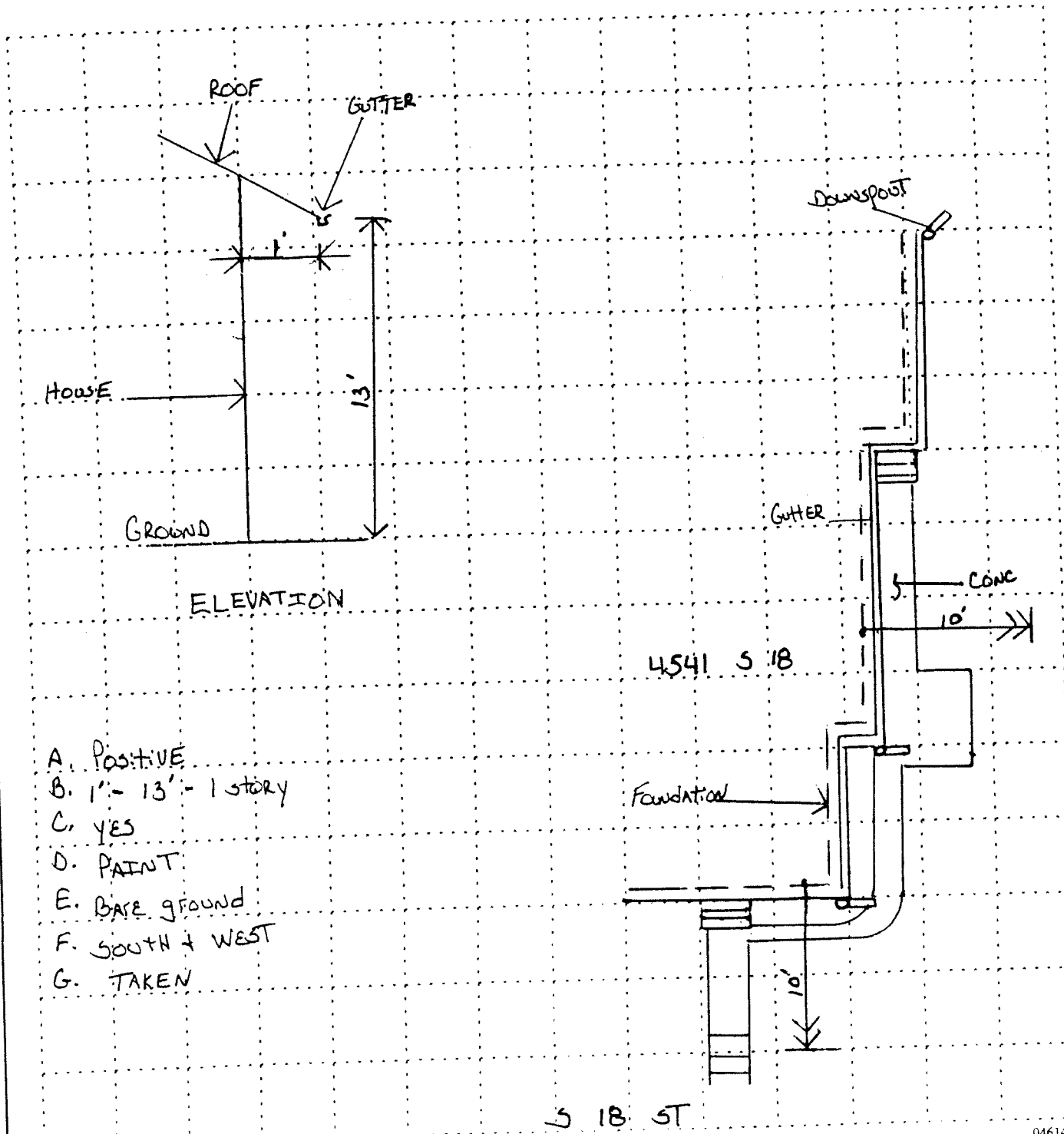
Owner Name: JACK MCINTIRE
Address: 4541 S 18 ST
Phone: H: 391-2598 W:

Omaha Lead Site Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

Record the following information:
a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 1' - 13' - 1 STORY
C. YES
D. PAINT
E. BARE GROUND
F. SOUTH + WEST
G. TAKEN

046141 0123

Rev 4

10283

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By RUTH MCINTIRE
(Please Print Name)

Ruth McIntire WIFE — 11-28-05
(property Owner Signature) — (date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS ☐ owner ☑ renter

Residence Address: 4541 S 18 ST — OMAHA (CITY) — NE (STATE) — 68107 (ZIP)

Property owned by JACK MCINTIRE

Owner's mailing address: 6205 MAPLE ST, OMAHA, NE 68104

Owner's telephone number - Home: 402-391-2598 Work:

Age of home? 94 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: 4 List Ages: 42, 40 10, 12

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 11-10-05 2:31 MSW Second: 11-21-05 1:00 pm MT Third: 11-22-05 2:10 pm MT

Omaha Lead Site
FB 134

Black & Veatch Special Projects Corp.
11-29-05

46130.0103

10283

Owner Name: JACK MCINTIRE
Address: 4541 S 18 ST
Phone: H: 402-391-2598 W:

Omaha Lead Site Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

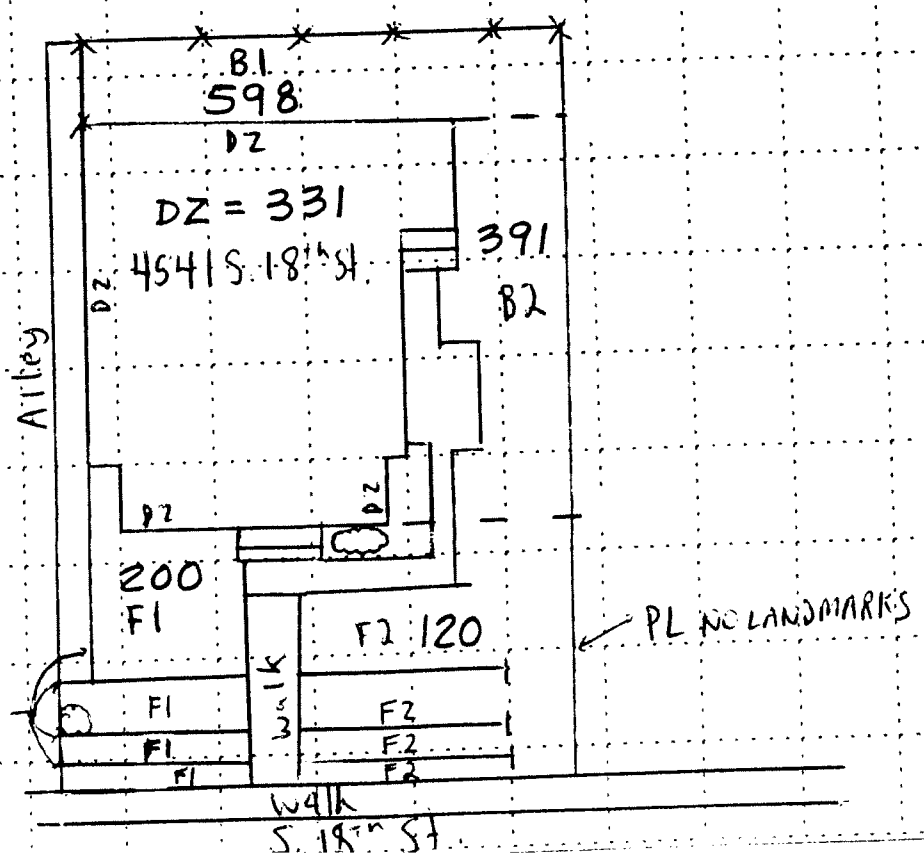
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-10283	F1	200 ppm	[x]	[ ]
RYBSCPXA-10283	F2	120 ppm	[x]	[ ]
RYCSCPXA-10283	B1	598 ppm	[x]	[ ]
RYDSCPXA-10283	B2	391 ppm	[x]	[ ]
RDZSCPXA-10283	DZ	331 ppm	[x]	[ ]
~~RGZSCPXA-10283~~	~~GZ~~	- ppm	[ ]	[ ]
~~RPZSCPXA-10283~~	~~PZ~~	- ppm	[ ]	[ ]
		Number of Samples =	5	0

Samples Collected
Firm: MES · A.H./K.M.
Date: 12/15/05
Time: 1:30

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-16-06
Time: PM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property

ENTERED
JAN 0 3 2006



046141.0123

10283

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llame Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-29-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☑ No

Resident Address: 4541 S 18 ST

OMAHA (CITY) NE (STATE) 68107 (ZIP)

Owner Name: JACK MCINTIRE

Owner address: 6205 MAPLE ST, OMAHA, NE 68104

Owner's telephone number - Home: 402-391-2598 Work:

Age of home: 95 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - wood siding - 100% painted.

Description of conditions which could contribute to paint deterioration: The foundation on the north side is in poor condition and needs downspout extensions. Needs splash blocks on all.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

10283

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/15/05 Time: 2:05
Staff: MES-A.H./K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-W-P-01-10283	NEG mg/cm²	SIDING	WOOD	white	1 ft²
H-W-P-02-10283	NEG mg/cm²	TRIM	WOOD	Green	1. ft²
H-W-P-03-10283	NEG mg/cm²	FOUNDATION	CONC.	GREY	1. ft²
H-N-P-04-10283	10 mg/cm²	SIDING	WOOD	WHITE	1. ft²
H-N-P-05-10283	5 mg/cm²	FOUNDATION	CONC.	GREY	25 ft²
H-N-P-06-10283	NEG mg/cm²	WINDOW	WOOD	GREEN	1 ft²
H-N-P-07-10283	9 mg/cm²	FOUNDATION	CONC.	GREY	1 ft²
H-E-P-08-10283	3 mg/cm²	FOUNDATION	CONC.	GREY	.20 ft²
H-E-P-09-10283	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-E-P-10-10283	17 mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-S-P-11-10283	2 mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-S-P-12-10283	8 mg/cm²	FOUNDATION	CONC.	GREY	5 ft²
H-S-P-13-10283	7 mg/cm²	WINDOW/TRIM	WOOD	GREEN	1 ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²
__-__-P-__-10283	mg/cm²				ft²

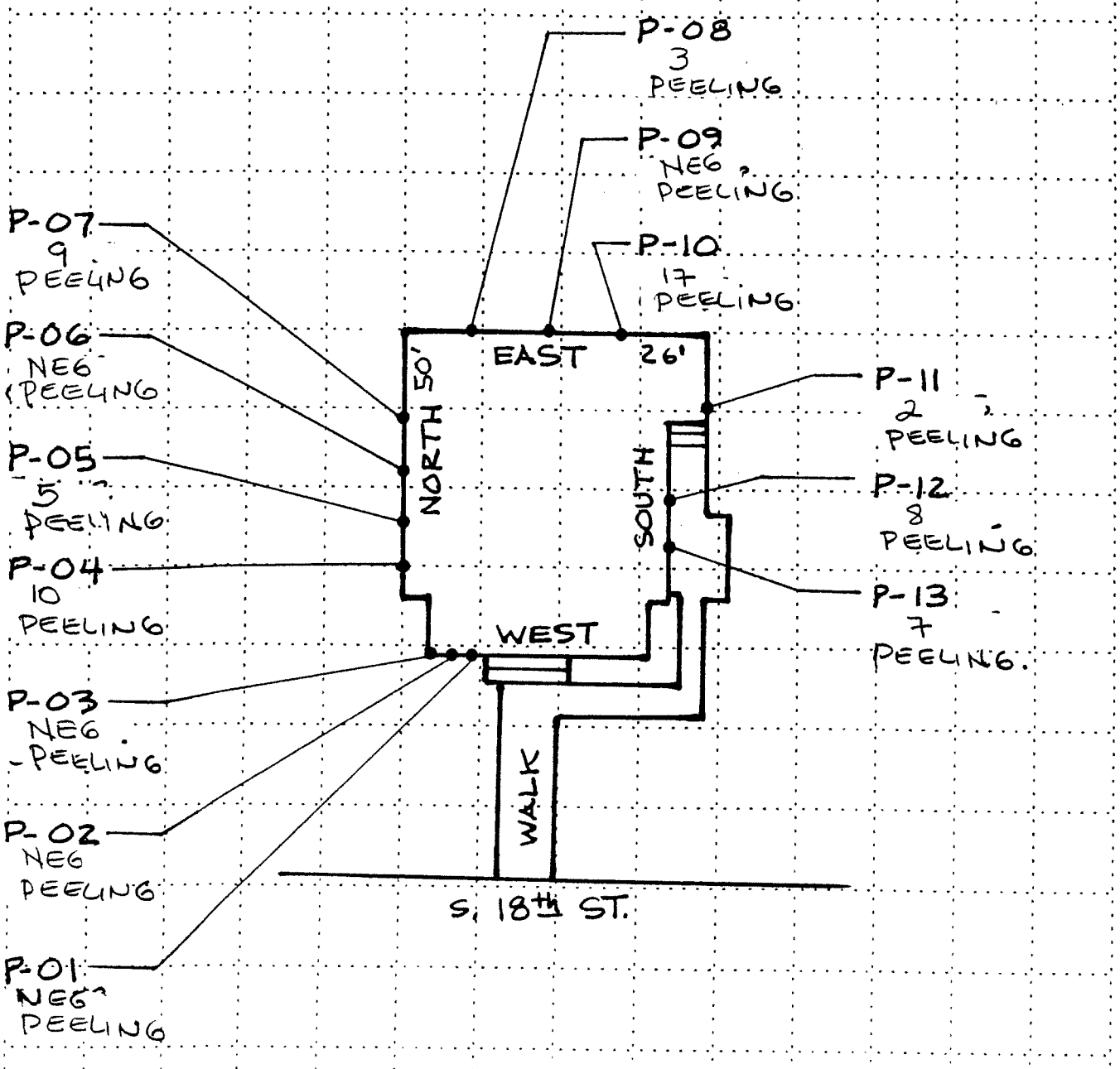
10283

Owner Name: JACK MCINTIRE
Address: 4541 S 18 ST
Phone: H: 402-391-2598 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701.0123

10283

Owner Name: JACK MCINTIRE
Address: 4541 S 18 ST
Phone: H: 402-391-2598 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 670 ft2
South = 670 ft2
HOUSE East = 310 ft2
West = 310 ft2
Total Surface Painted Area = 1960 ft2

Omaha Lead Site Drip Zone Study

BVID: 12271

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-16-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-12271		371	☐
DZ 02-E-12271		345	☐
DZ 03-E-12271		293	☐
DZ 04-E-12271		317	☐
DZ 05-E-12271		199	☐
DZ 06-E-12271		132	☐
DZ 07-E-12271		158	☐
DZ 08-E-12271		240	☐
DZ 09-E-12271		261	☐
DZ 10-E-12271		319	☐
DZ 11-E-12271		311	☐
DZ 12-E-12271		293	☐
DZ 13-E-12271		281	☐
DZ 14-E-12271		249	☐
DZ 15-E-12271		211	☐
DZ 16-E-12271		228	☐
DZ 17-E-12271		183	☐
DZ 18-E-12271		184	☐
DZ 19-E-12271		245	☐
DZ 20-E-12271		227	
DZ ~~20~~ 21-E-12271		169	☐
# of Samples:		21	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-12271		277	☐
DZ 02-S-12271		358	☐
DZ 03-S-12271		470	☐
DZ 04-S-12271		303	☐
DZ 05-S-12271		259	☐
DZ 06-S-12271		262	☐
DZ 07-S-12271		174	☐
DZ 08-S-12271		123	☐
DZ 09-S-12271		114	☐
DZ 10-S-12271		112	☐
DZ 11-S-12271		165	☐
DZ 12-S-12271		229	☐
DZ 13-S-12271		179	☐
DZ 14-S-12271		155	☐
DZ 15-S-12271		137	☐
DZ 16-S-12271		154	☐
DZ 17-S-12271		143	☐
DZ 18-S-12271		141	☐
DZ 19-S-12271		107	☐
DZ 20-S-12271		113	
DZ ~~20~~ 21-S-12271		109	☐
# of Samples:		21	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

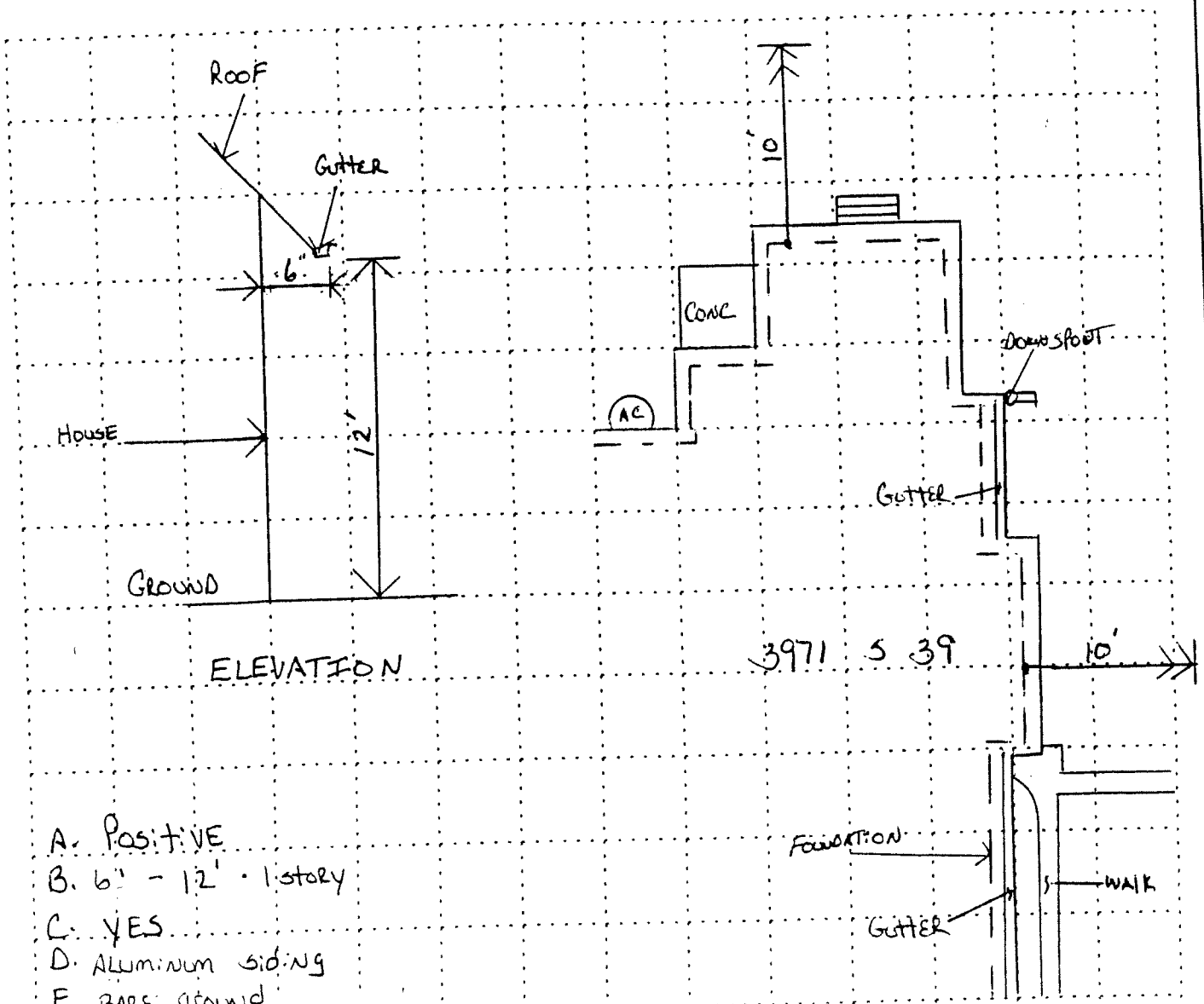
044701.01.23

BVID: 12271

Owner Name: DONALD GOTTSCHALK Address: 3971 S 39 AV Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 6" - 12" · 1 story
C. YES
D. Aluminum siding
E. BARE ground
F. SOUTH + EAST
G. TAKEN

12271

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By Judy A. Light
(Please Print Name)

Judy A. Light
(property Owner Signature)

December 16, 2005
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Stephen J. + Judy A. Light ☑ owner ☐ renter

Residence Address: 3971 S 39 Ave Omaha (CITY) NE (STATE) 68107 (ZIP)

Property owned b Stephen J. Light

Owner's mailing address: same as above

Owner's telephone number - Home: 402 558 5439 Work:

Age of home? 95 years How long have you lived here? 2 ~~years~~ mos.

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No ?

Has the interior been painted or covered since 1978? ☑ Yes ☐ No ? All.

Total number of occupants: 2 List Ages: 53 + 49

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: N/A

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts:

First: Second: Third:

12271

Owner Name: Stephen J. Light ~~DONALD W COTTSCHALK~~

Address: 3971 S 39 AV

Phone: H: 402~~292 2233~~ 558-5439 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-12271	F1	88 ppm	☑	☐
RYBSCPXA-12271	F2	75 ppm	☑	☐
RYCSCPXA-12271	B1	105 ppm	☑	☐
RYDSCPXA-12271	B2	100 ppm	☑	☐
RDZSCPXA-12271	DZ	358 ppm	☑	☐
~~RGZSCPXA-12271~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-12271~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

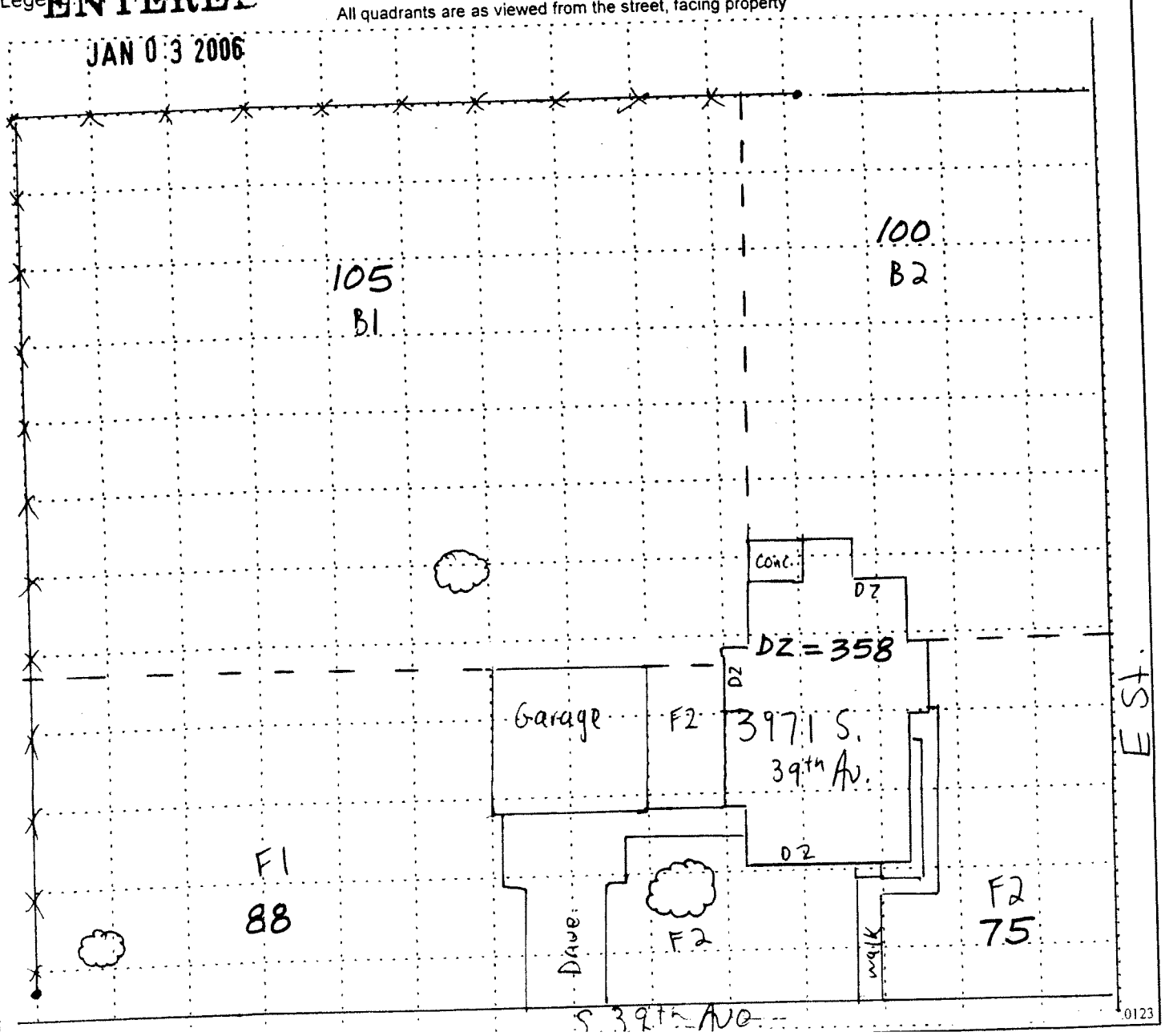
Samples Collected
- Firm: MFS-A.H./K.M.
- Date: 12/16/05
- Time: 2:50

Samples Analyzed
- XRF Unit: 1037 Book: 143
- Date: 1-16-06
- Time: PM
- Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play

All quadrants are as viewed from the street, facing property

ENTERED
JAN 03 2006



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12271

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

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Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

4-18-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☑ Yes ☐ No

Resident Address: 3971 S 39 AV OMAHA (CITY) NE (STATE) 68107 (ZIP)

Owner Name: STEPHEN J & JUDY A LIGHT

Owner address: 3971 S 39 AVE, OMAHA, NE 68107

Owner's telephone number - Home: 402-558-5439 Work: _____

Age of home: 96 years Paint Condition: ☑ < 10 ft² Deteriorated ☐ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - steel siding - 80%, 20% painted, door/window trim, porch, soffit + fascia. Garage - cement block - 100% painted.

Description of conditions which could contribute to paint deterioration: On house missing all splash blocks.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

12271

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/16/05 Time: 3:20
Staff: MES- A.H. / K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-W-P-01-12271	22 mg/cm²	COLUMN	WOOD	GREEN	1 ft²
H-W-P-02-12271	2 mg/cm²	COLUMN	WOOD	GREEN	1 ft²
H-N-P-03-12271	NEG mg/cm²	WINDOW	WOOD	GREEN	1 ft²
H-E-P-04-12271	NEG mg/cm²	DOOR	WOOD	GREEN	1 ft²
H-S-P-05-12271	5 mg/cm²	WINDOW	WOOD	GREEN	1 ft²
H-S-P-06-12271	NEG mg/cm²	WINDOW	WOOD	GREEN	1 ft²
H-__-P-07-12271	mg/cm²				ft²
H-__-P-08-12271	mg/cm²				ft²
H-__-P-09-12271	mg/cm²				ft²
H-__-P-10-12271	mg/cm²				ft²
H-__-P-11-12271	mg/cm²				ft²
H-__-P-12-12271	mg/cm²				ft²
G-W-P-1-12271	NEG mg/cm²	BLOCK	CONC.	GREEN	1 ft²
G-W-P-2-12271	NEG mg/cm²	DOOR	WOOD	GREEN	1 ft²
G-W-P-3-12271	NEG. mg/cm²	TRIM	WOOD	GREEN	1 ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²
__-__-P-__-12271	mg/cm²				ft²

044701.01 23

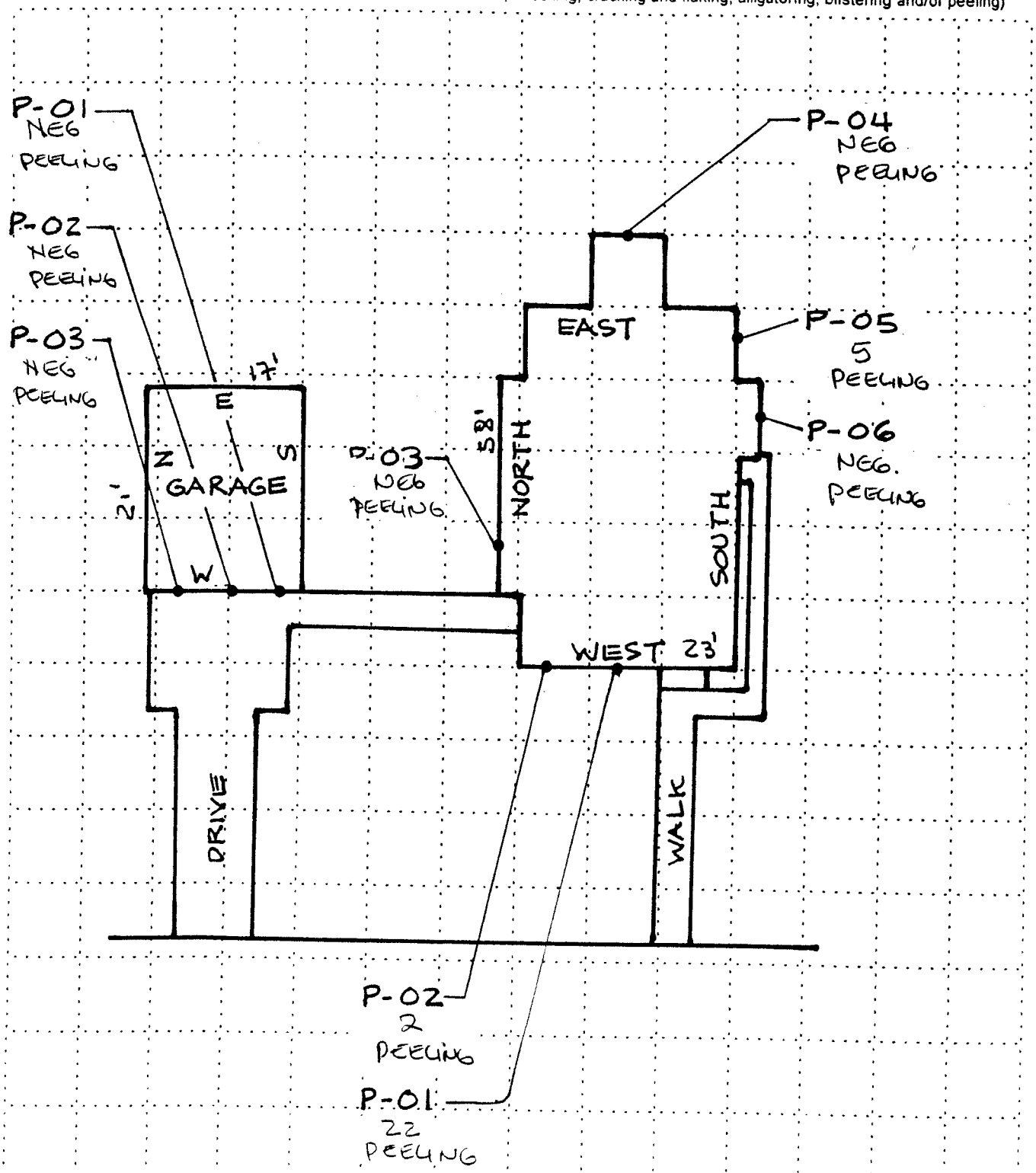
12271

Owner Name: STEPHEN J & JUDY A LIGHT
Address: 3971 S 39 AV
Phone: H: 402-558-5439 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701.0123

12271

Owner Name: STEPHEN J & JUDY A LIGHT
Address: 3971 S 39 AV
Phone: H: 402-558-5439 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area
HOUSE

North = 70 ft2
South = 50 ft2
East = 70 ft2
West = 280 ft2
Total Surface Painted Area = 470 ft2

Surface Painted Area
GARAGE

North = 170 ft2
South = 170 ft2
East = 140 ft2
West = 140 ft2
Total Surface Painted Area = 620 ft2

047401.0123

Omaha Lead Site Drip Zone Study

BVID: 13285

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-13-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-13285		206	☐
DZ 02-E-13285		310	☐
DZ 03-E-13285		223	☐
DZ 04-E-13285		205	☐
DZ 05-E-13285		179	☐
DZ 06-E-13285		148	☐
DZ 07-E-13285		161	☐
DZ 08-E-13285		187	☐
DZ 09-E-13285		190	☐
DZ 10-E-13285		198	☐
DZ 11-E-13285		219	☐
DZ 12-E-13285		210	☐
DZ 13-E-13285		161	☐
DZ 14-E-13285		141	☐
DZ 15-E-13285		126	☐
DZ 16-E-13285		133	☐
DZ 17-E-13285		119	☐
DZ 18-E-13285		134	☐
DZ 19-E-13285		128	☐
DZ 20-E-13285		134	
DZ ~~20~~ 21-E-13285		134	☐
# of Samples:		21	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-13285		30	☐
DZ 02-N-13285		25	☐
DZ 03-N-13285		40	☐
DZ 04-N-13285		51	☐
DZ 05-N-13285		62	☐
DZ 06-N-13285		64	☐
DZ 07-N-13285		55	☐
DZ 08-N-13285		69	☐
DZ 09-N-13285		64	☐
DZ 10-N-13285		67	☐
DZ 11-N-13285		70	☐
DZ 12-N-13285		71	☐
DZ 13-N-13285		70	☐
DZ 14-N-13285		62	☐
DZ 15-N-13285		68	☐
DZ 16-N-13285		69	☐
DZ 17-N-13285		71	☐
DZ 18-N-13285		54	☐
DZ 19-N-13285		67	☐
DZ 20-N-13285		63	
DZ ~~20~~ 21-N-13285		80	☐
# of Samples:		21	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

044701.01.23

BVID: 13285

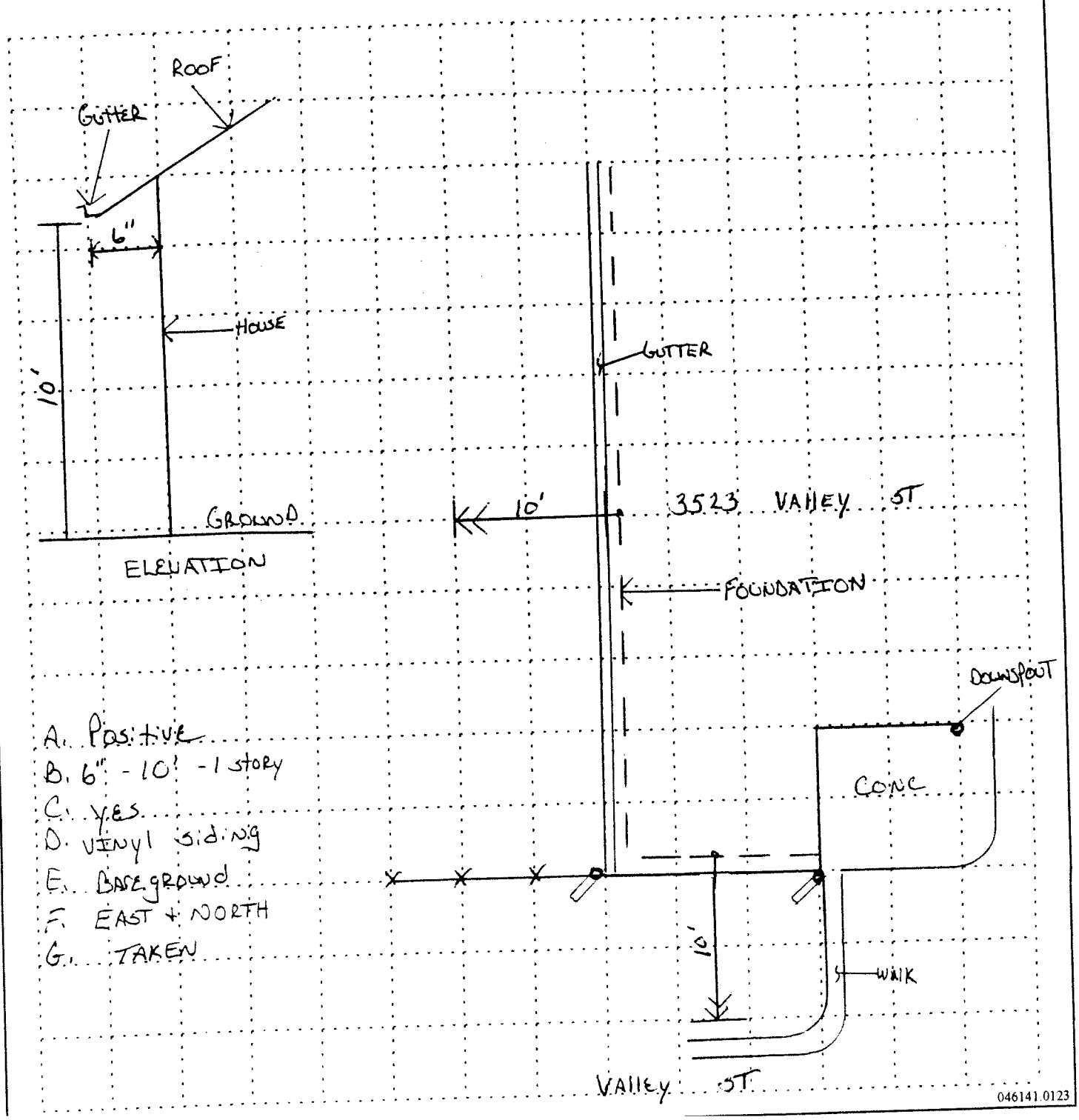
Owner Name: ADAIR HOLDING
Address: 3523 VALLEY ST
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [ ] Good
- [ ] Poor
- [x] Not paint

North Arrow

Record the following information:
a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 6" - 10' - 1 story
C. Yes
D. Vinyl siding
E. Bare ground
F. EAST + NORTH
G. TAKEN

046141.0123

3400 5

13285

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS (to be completed by property owner)

Para recibir esta forma en espanol, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By: Chris Newhouse, member
(Please Print Name)

Chris Newhouse
(Property Owner Signature)

11-16-04
(Date)

*NOTE: Granting permission **DOES NOT** necessarily imply your property will be sampled at this time.*

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident name: - Vacant - ☐ Owner ☐ Renter

Residence address: 3523 VALLEY ST OMAHA (City) NE (State) 68105 (Zip)

Property owned by: ~~ROBERT G RYAN~~ ADAIR Holding LLC

Owner's mailing address: ~~3523 VALLEY ST, OMAHA, NE, 68105~~ 405 N 115 St #100 Omaha, NE 08154

Owner's telephone number - Home: (____) 399 9049 Work: (____) ____-____

Age of home? ____ years. How long have you lived here? ____ years.

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: ____ List ages: ____

List ages of occupants under 6 years old who play in the yard for 5 hours or more per week: ____

Comments: large dogs in Neighbors yard

JUL 2004
Received
AEW ENGINEERING

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent 04/23/2004 Can't find Robert Ryan abandoned

First: 6/7 4:00 Second: 6/18 12:30 don't work Third: 6/23 3:00

correct owner according to neighbor / been abandoned a long time.

11/16/04 signed 3:00

Black & Veatch Special Projects Corp.

13285

Owner Name: ADAIR HOLDING LLC
Address: 3523 VALLEY ST
Phone: H: 402-399-9049 W:

Omaha Lead Site Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

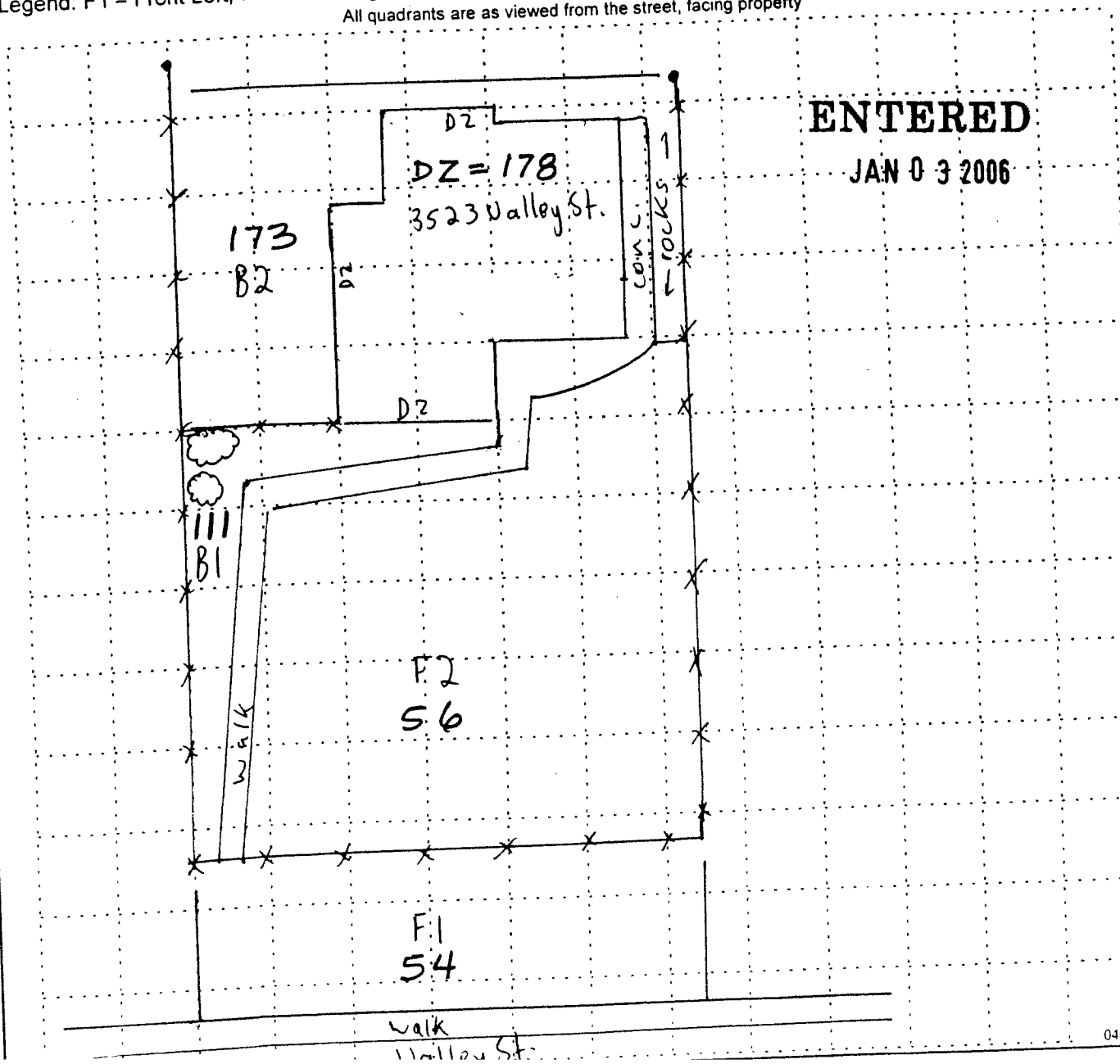
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-13285	F1	54 ppm	☑	☐
RYBSCPXA-13285	F2	56 ppm	☑	☐
RYCSCPXA-13285	B1	111 ppm	☑	☐
RYDSCPXA-13285	B2	173 ppm	☑	☐
RDZSCPXA-13285	DZ	178 ppm	☑	☐
~~RGZSCPXA-13285~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-13285~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./K.M
Date: 12/16/05
Time: 1:50

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-13-06
Time: PM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property



ENTERED
JAN 0 3 2006

046141.0123

13285

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS (to be completed by property owner)

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By _____ (Please Print Name)

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

11-16-04
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☐ Yes ☐ No

Resident Address: 3523 VALLEY ST OMAHA (CITY) NE (STATE) 68105 (ZIP)

Owner Name: ADAIR HOLDING LLC

Owner address: 405 N 115 ST #100, OMAHA, NE 68154

Owner's telephone number - Home: 402-399-9049 Work: _____

Age of home: 86 years Paint Condition: ☑ < 10 ft² Deteriorated ☐ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House - metal siding - 99%, - 1% painted foundation, window sill and window frame.

Description of conditions which could contribute to paint deterioration: Missing splash blocks on all sides.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

13285

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/16/05 Time: 2:05
Staff: MES-A.H./K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - N - P - 01 - 13285	NEG mg/cm²	WINDOW/SILL	WOOD	WHITE	3 ft²
H - N - P - 02 - 13285	NEG mg/cm²	WINDOW/Frame	WOOD	WHITE	1 ft²
H - E - P - 03 - 13285	NEG mg/cm²	FOUNDATION	CONC.	WHITE	5 ft²
H - __ - P - 04 - 13285	mg/cm²				ft²
H - __ - P - 05 - 13285	mg/cm²				ft²
H - __ - P - 06 - 13285	mg/cm²				ft²
H - __ - P - 07 - 13285	mg/cm²				ft²
H - __ - P - 08 - 13285	mg/cm²				ft²
H - __ - P - 09 - 13285	mg/cm²				ft²
H - __ - P - 10 - 13285	mg/cm²				ft²
H - __ - P - 11 - 13285	mg/cm²				ft²
H - __ - P - 12 - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²
__ - __ - P - ___ - 13285	mg/cm²				ft²

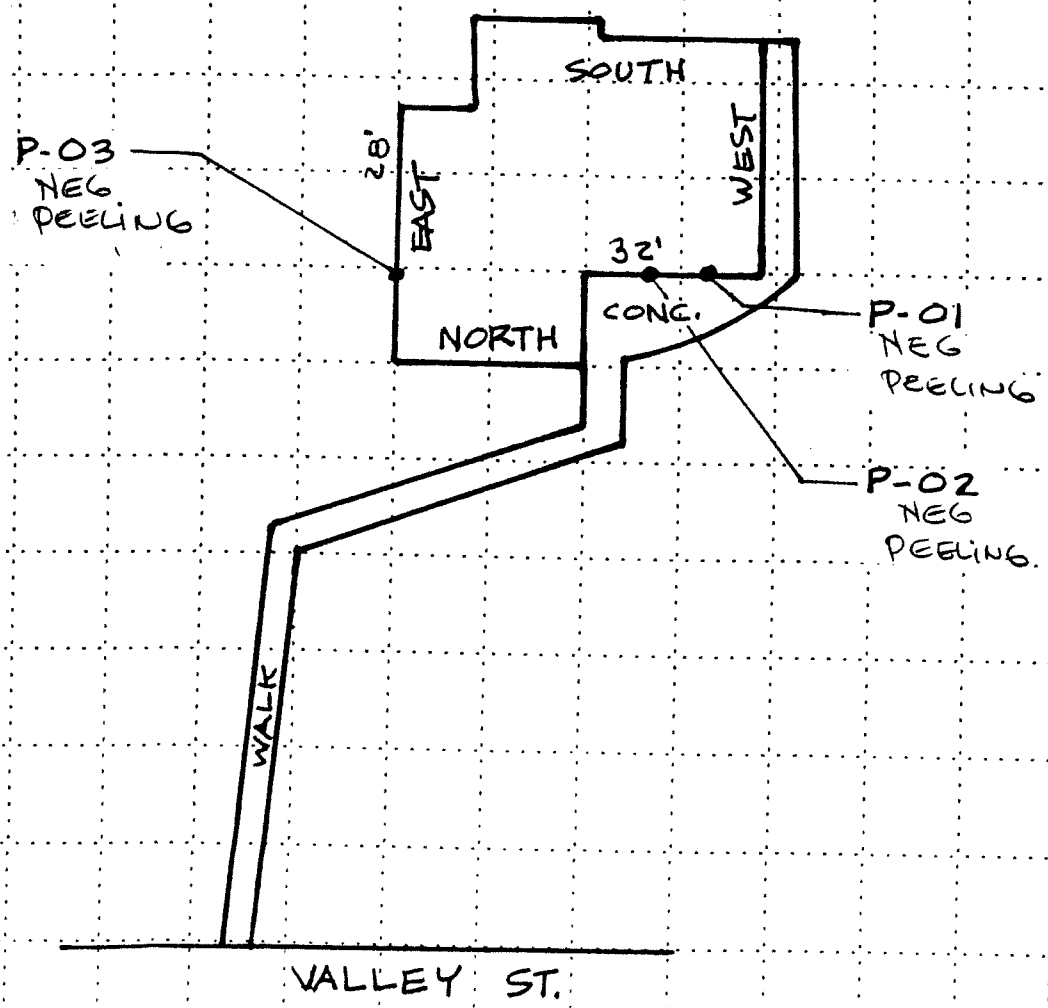
13285

Owner Name: ADAIR HOLDING LLC
Address: 3523 VALLEY ST
Phone: H: 402-399-9049 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701.0123

13285

Owner Name: ADAIR HOLDING LLC
Address: 3523 VALLEY ST
Phone: H: 402-399-9049 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area

HOUSE

North = 60 ft2
South = ∅ ft2
East = 20 ft2
West = ∅ ft2
Total Surface Painted Area = 30 ft2

047401.0123

Omaha Lead Site Drip Zone Study

BVID: 14410

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-17-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- E - 14410		105	☐
DZ 02- E - 14410		141	☐
DZ 03- E - 14410		91	☐
DZ 04- E - 14410		70	☐
DZ 05- E - 14410		66	☐
DZ 06- E - 14410		69	☐
DZ 07- E - 14410		56	☐
DZ 08- E - 14410		64	☐
DZ 09- E - 14410		49	☐
DZ 10- E - 14410		61	☐
DZ 11- E - 14410		59	☐
DZ 12- E - 14410		52	☐
DZ 13- E - 14410		55	☐
DZ 14- E - 14410		49	☐
DZ 15- E - 14410		59	☐
DZ 16- E - 14410		64	☐
DZ 17- E - 14410		95	☐
DZ 18- E - 14410		89	☐
DZ 19- E - 14410		112	☐
DZ 20 - E - 14410		85	
DZ ~~20~~ 21 - E - 14410		247	☐
# of Samples:		21	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- N - 14410		43	☐
DZ 02- N - 14410		26	☐
DZ 03- N - 14410		27	☐
DZ 04- N - 14410		40	☐
DZ 05- N - 14410		51	☐
DZ 06- N - 14410		38	☐
DZ 07- N - 14410		46	☐
DZ 08- N - 14410		58	☐
DZ 09- N - 14410		58	☐
DZ 10- N - 14410		72	☐
DZ 11- N - 14410		63	☐
DZ 12- N - 14410		56	☐
DZ 13- N - 14410		61	☐
DZ 14- N - 14410		72	☐
DZ 15- N - 14410		44	☐
DZ 16- N - 14410		53	☐
DZ 17- N - 14410		49	☐
DZ 18- N - 14410		49	☐
DZ 19- N - 14410		48	☐
DZ-20-N-14410		49	
DZ ~~20~~ 21 - N - 14410		52	☐
# of Samples:		21	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

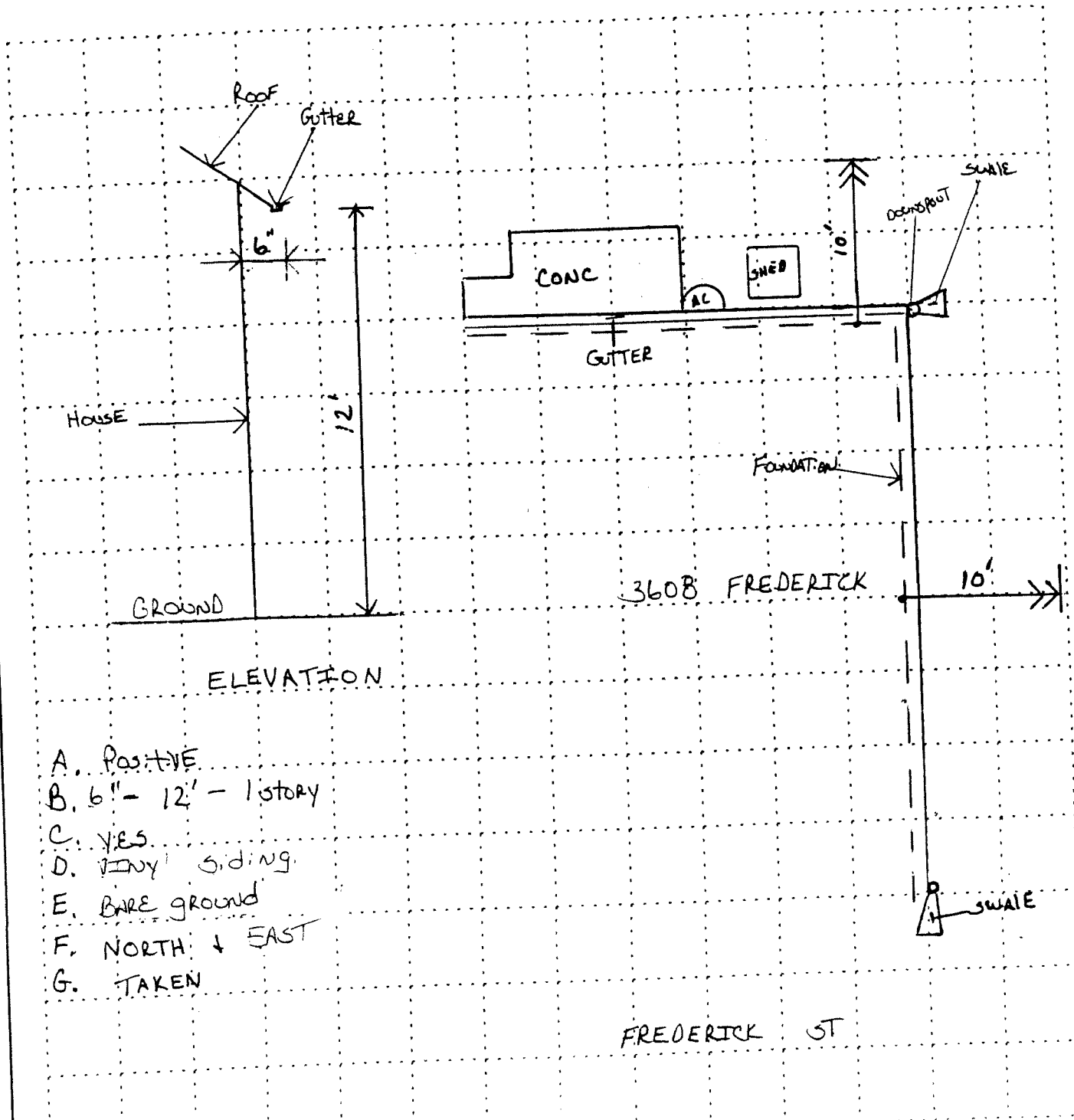
044701.01.23

BVID: 14410

Owner Name: MYRNA A KLUG Address: 3608 FREDERICK ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow ↑

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 6" - 12' - 1 STORY
C. YES
D. VINYL SIDING
E. BARE GROUND
F. NORTH + EAST
G. TAKEN

046141.0123

14410

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en espanol, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By: _____ *(Please Print Name)*

Myrna A. Klug *(Property Owner Signature)* May 15 - 2004 *(Date)*

*NOTE: Granting permission **DOES NOT** necessarily imply your property will be sampled at this time.*

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident name: _____ ☐ Owner ☐ Renter

Residence address: 3608 FREDERICK ST OMAHA (City) NE (State) 68105 (Zip)

Property owned by: MYRNA A KLUG

Owner's mailing address: 3608 FREDERICK ST, OMAHA, NE, 68105

Owner's telephone number - Home: (_____) _____-_____ Work: (_____) _____-_____

Age of home? _____ years. How long have you lived here? ____ years.

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List ages: _____

List ages of occupants under 6 years old who play in the yard for 5 hours or more per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts: Letter sent 04/23/2004

First: _____ Second: _____ Third: _____

Black & Veatch Special Projects Corp.

14410

Owner Name: MYRNA A KLUG
Address: 3608 FREDERICK ST
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

North Arrow: ↑

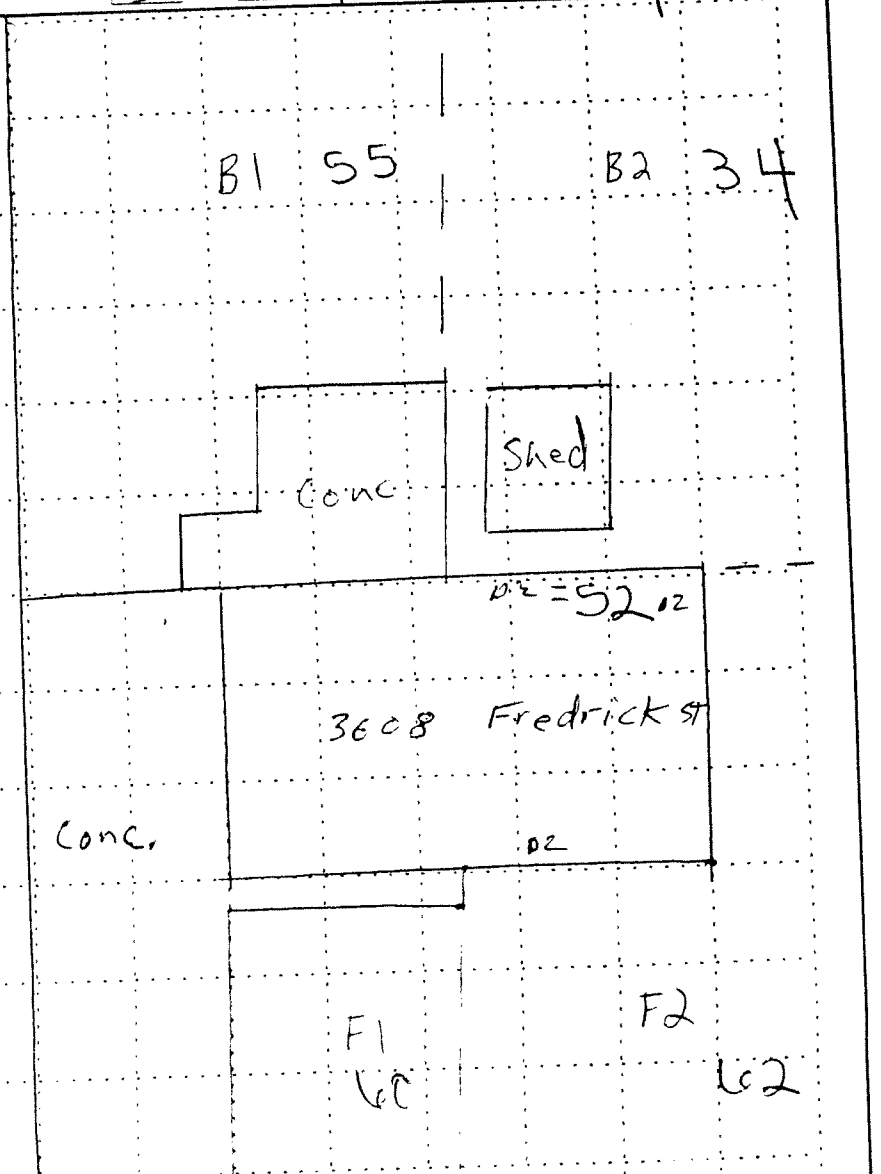
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-14410	F1	60 ppm	☑	☐
RYBSCPXA-14410	F2	62 ppm	☑	☐
RYCSCPXA-14410	B1	55 ppm	☐	☐
RYDSCPXA-14410	B2	34 ppm	☑	☐
RDZSCPXA-14410	DZ	52 ppm	☑	☐
~~RGZSCPXA-14410~~	~~GZ~~	ppm	☐	☐
~~RPZSCPXA-14410~~	~~PZ~~	ppm	☐	☐

Number of Samples = 5

Samples Collected
Firm: ASW DOB
Date: 6-23-04
Time: 3:30

Samples Analyzed
XRF Unit: 811 Book: 69
Date: 7 14 04
Time: AM
Staff: cap

ENTERED
JUN 29 2004



46130

Omaha Lead Site

36911

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

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Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12-9-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: same

Owner Occupied? ☑ Yes ☐ No

Resident Address: 5324 N 26 ST

OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: RICHARD HAMMOND

Owner address: 5324 N 26 ST, OMAHA, NE 68111

Owner's telephone number - Home: 402-612-9461 Work:

Age of home: 111 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House 100% painted. Shed 100% painted

Description of conditions which could contribute to paint deterioration: no downspout on SE corner

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

36911

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/23/05 Time: 9:25
Staff: MES - A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - E - P - 01 - 36911	2 mg/cm²	WINDOW	WOOD	BLUE	3 ft²
H - E - P - 02 - 36911	4 mg/cm²	SIDING	WOOD	TAN	2 ft²
H - E - P - 03 - 36911	8 mg/cm²	DOOR	WOOD	BLUE	7 ft²
H - S - P - 04 - 36911	4 mg/cm²	WINDOW	WOOD	BLUE	? ft²
H - S - P - 05 - 36911	NEG mg/cm²	BOARDED/WINDOW	WOOD	BLUE	12 ft²
H - S - P - 06 - 36911	NEG mg/cm²	SIDING	WOOD	TAN	3 ft²
H - S - P - 07 - 36911	2 mg/cm²	SIDING	WOOD	TAN	1 ft²
H - __ - P - 08 - 36911	mg/cm²				ft²
H - __ - P - 09 - 36911	mg/cm²				ft²
H - __ - P - 10 - 36911	mg/cm²				ft²
H - __ - P - 11 - 36911	mg/cm²				ft²
H - __ - P - 12 - 36911	mg/cm²				ft²
S - N - P - 1 - 36911	NEG mg/cm²	SIDING	WOOD	RED	1 ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²
__ - __ - P - __ - 36911	mg/cm²				ft²

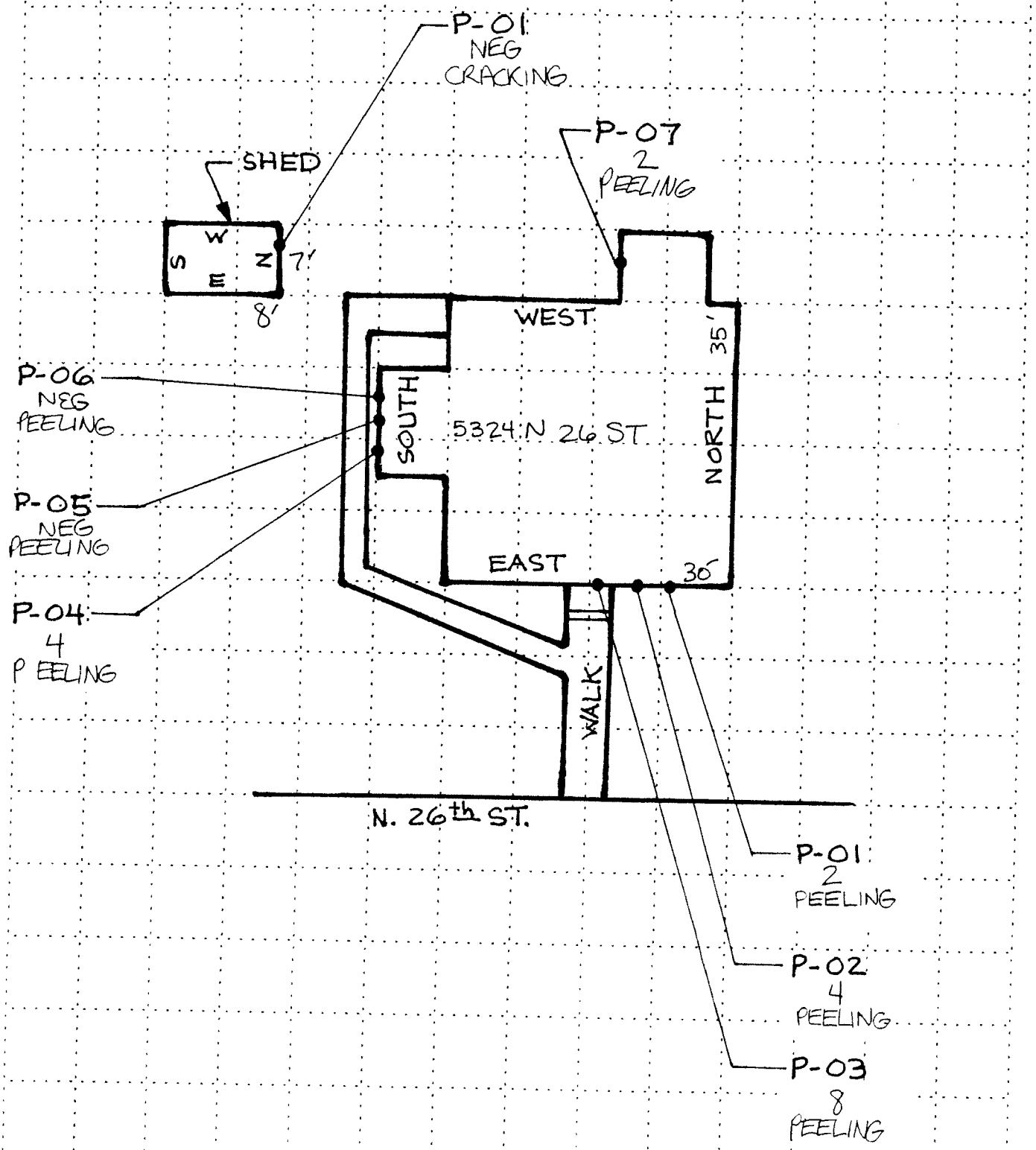
36911

Owner Name: RICHARD HAMMOND
Address: 5324 N 26 ST
Phone: H: 402-612-9461 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

36911

Owner Name: RICHARD HAMMOND
Address: 5324 N 26 ST
Phone: H: 402-612-9461 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area — HOUSE

North = 250 ft2
South = 240 ft2
East = 195 ft2
West = 190 ft2
Total Surface Painted Area = 875 ft2

Surface Painted Area — SHED

North = 32 ft2
South = 32 ft2
East = 40 ft2
West = 40 ft2
Total Surface Painted Area = 144 ft2

047401.0123

Omaha Lead Site Drip Zone Study

BVID: 37404

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-11-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-37404		351	☐
DZ 02-E-37404		471	☐
DZ 03-E-37404		1125	☐
DZ 04-E-37404		1754	☐
DZ 05-E-37404		1309	☐
DZ 06-E-37404		1263	☑
DZ 07-E-37404		386	☐
DZ 08-E-37404		520	☐
DZ 09-E-37404		399	☐
DZ 10-E-37404		288	☐
DZ 11-E-37404		319	☐
DZ 12-E-37404		242	☐
DZ 13-E-37404		191	☐
DZ 14-E-37404		195	☐
DZ 15-E-37404		189	☐
DZ 16-E-37404		156	☐
DZ 17-E-37404		168	☐
DZ 18-E-37404		168	☐
DZ 19-E-37404		173	☐
DZ 20-E-37404		152	
DZ ~~20~~ 21-E-37404		144	☐
# of Samples:		20	1

Lab Result: DZ06-EL-37404 1720 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-37404		412	☐
DZ 02-N-37404		588	☐
DZ 03-N-37404		1094	☐
DZ 04-N-37404		817	☐
DZ 05-N-37404		642	☐
DZ 06-N-37404		617	☐
DZ 07-N-37404		652	☐
DZ 08-N-37404		509	☐
DZ 09-N-37404		471	☐
DZ 10-N-37404		444	☐
DZ 11-N-37404		413	☐
DZ 12-N-37404		354	☐
DZ 13-N-37404		357	☐
DZ 14-N-37404		290	☐
DZ 15-N-37404		319	☑
DZ 16-N-37404		253	☐
DZ 17-N-37404		285	☐
DZ 18-N-37404		255	☐
DZ 19-N-37404		228	☐
DZ 20-N-37404		234	
DZ 20-N-37404		177	☐
# of Samples:		20	1

Lab Result: DZ15-NL-37404 379 ppm

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

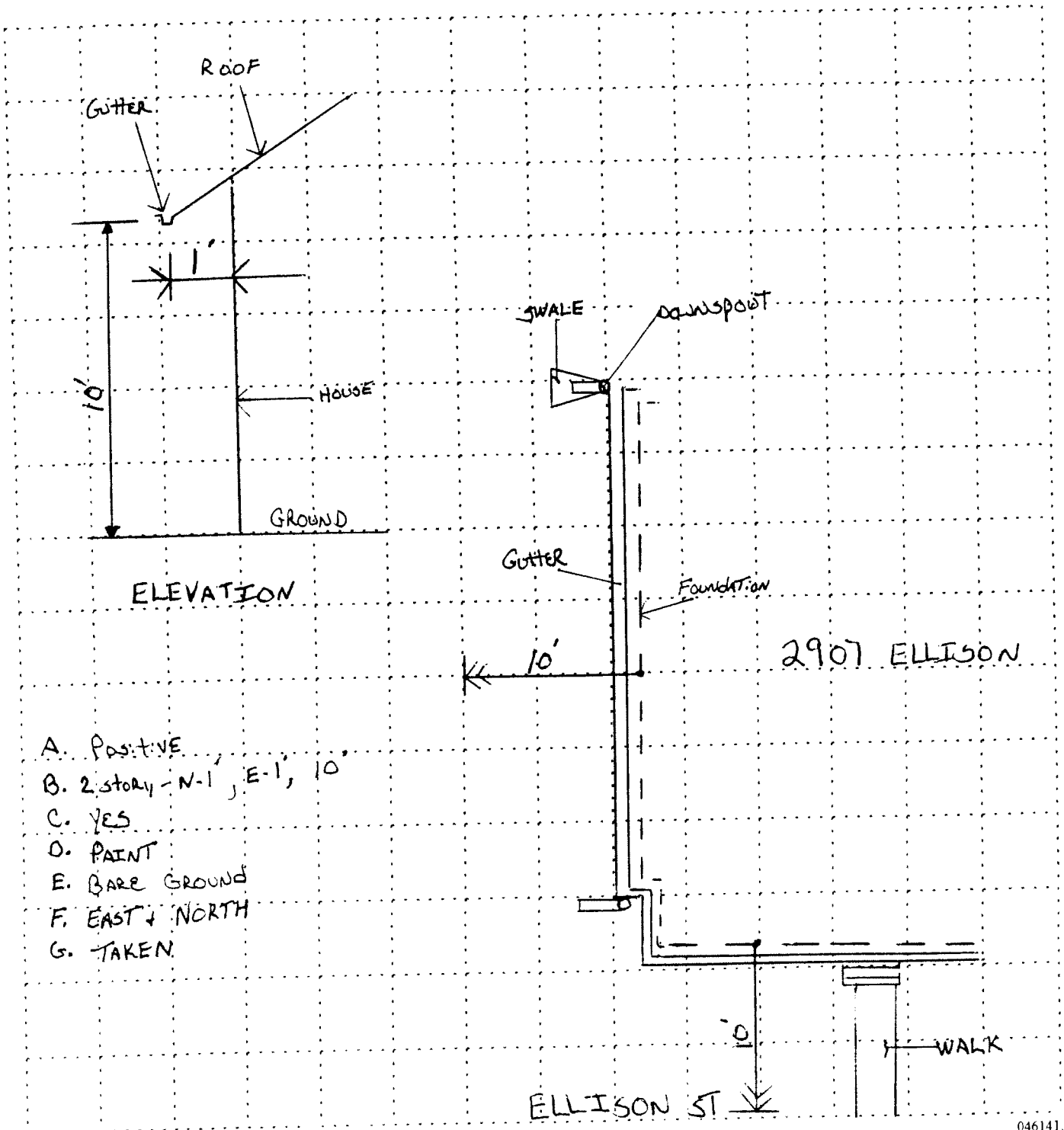
044701.01 23

BVID: 37404

Owner Name: FREDERICK PERRY JR Address: 2907 ELLISON Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 2 story - N-1', E-1', 10'
C. YES
D. PAINT
E. BARE GROUND
F. EAST + NORTH
G. TAKEN

37404

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By FRED PERRY (Please Print Name)

Fred Perry (property Owner Signature) 11-19-05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: SAME ☒ owner ☐ renter

Residence Address: 2907 ELLISON AV OMAHA (CITY) NE (STATE) 68111 (ZIP)

Property owned by FREDERICK E PERRY JR

Owner's mailing address: 2907 ELLISON AVE, OMAHA, NE 68111

Owner's telephone number - Home: Work:

Age of home? 94 years How long have you lived here? ___ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☒ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: 4 List Ages:

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 08-15-05 1:00 MSW / KS Second: 9/15/05 3:11 MSW Third: 9:58 10-17-05 MSW

Black & Veatch Special Projects Corp.

Omaha Lead Site

FR 121

11-19-05 4:00

46130.0103

37404

Owner Name: FREDERICK E PERRY JR
Address: 2907 ELLISON AV
Phone: H: W:

Omaha Lead Site Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

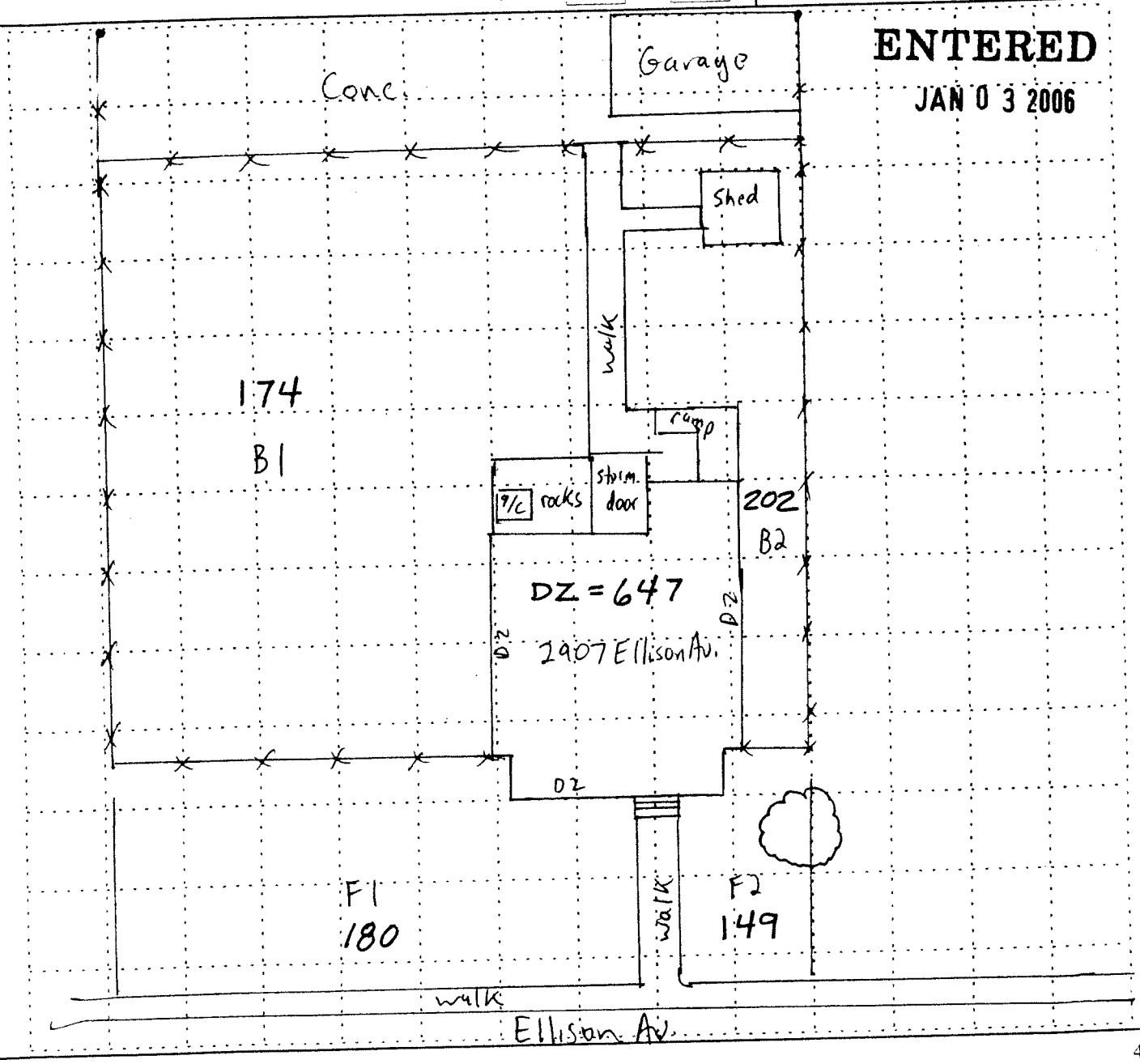
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-37404	F1	180 ppm	[x]	[ ]
RYBSCPXA-37404	F2	149 ppm	[x]	[ ]
RYCSCPXA-37404	B1	174 ppm	[x]	[ ]
RYDSCPXA-37404	B2	202 ppm	[x]	[ ]
RDZSCPXA-37404	DZ	647 ppm	[x]	[ ]
~~RGZSCPXA-37404~~	~~GZ~~	— ppm	[ ]	[ ]
~~RPZSCPXA-37404~~	~~PZ~~	— ppm	[ ]	[ ]
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/20/05
Time: 9:40

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-11-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



46130

37404

U S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-19-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: same

Owner Occupied? ☑ Yes ☐ No

Resident Address: 2907 ELLISON AV

OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: FREDERICK E PERRY JR

Owner address: 2907 ELLISON AVE, OMAHA, NE 68111

Owner's telephone number - Home: Work:

Age of home: 96 years

Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)

House 100% painted; Garage 100% painted

Description of conditions which could contribute to paint deterioration: none

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

37404

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/20/05 Time: 10:10
Staff: MES - A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - N - P - 01 - 37404	NEG mg/cm²	WINDOW	WOOD	WHITE	1 ft²
H - N - P - 02 - 37404	NEG mg/cm²	SIDING	WOOD	WHITE	2 ft²
H - N - P - 03 - 37404	NEG mg/cm²	PORCH	WOOD	WHITE	1 ft²
H - E - P - 04 - 37404	27 mg/cm²	SIDING	WOOD	WHITE	2 ft²
H - E - P - 05 - 37404	23 mg/cm²	TRIM	WOOD	BROWN	3 ft²
H - E - P - 06 - 37404	NEG mg/cm²	FOUNDATION	CONC.	BROWN	1 ft²
H - S - P - 07 - 37404	NEG mg/cm²	STORM DOOR	WOOD	WHITE	4 ft²
H - S - P - 08 - 37404	31 mg/cm²	SIDING	WOOD	WHITE	5 ft²
H - W - P - 09 - 37404	3 mg/cm²	WINDOW	WOOD	WHITE	2 ft²
H - W - P - 10 - 37404	25 mg/cm²	SIDING	WOOD	WHITE	10 ft²
H - __ - P - 11 - 37404	mg/cm²				ft²
H - __ - P - 12 - 37404	mg/cm²				ft²
G - N - P - 1 - 37404	NEG mg/cm²	SIDING	WOOD	WHITE	10 ft²
G - N - P - 2 - 37404	NEG mg/cm²	DOOR	WOOD	WHITE	3 ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²
__ - __ - P - __ - 37404	mg/cm²				ft²

044701 01 23

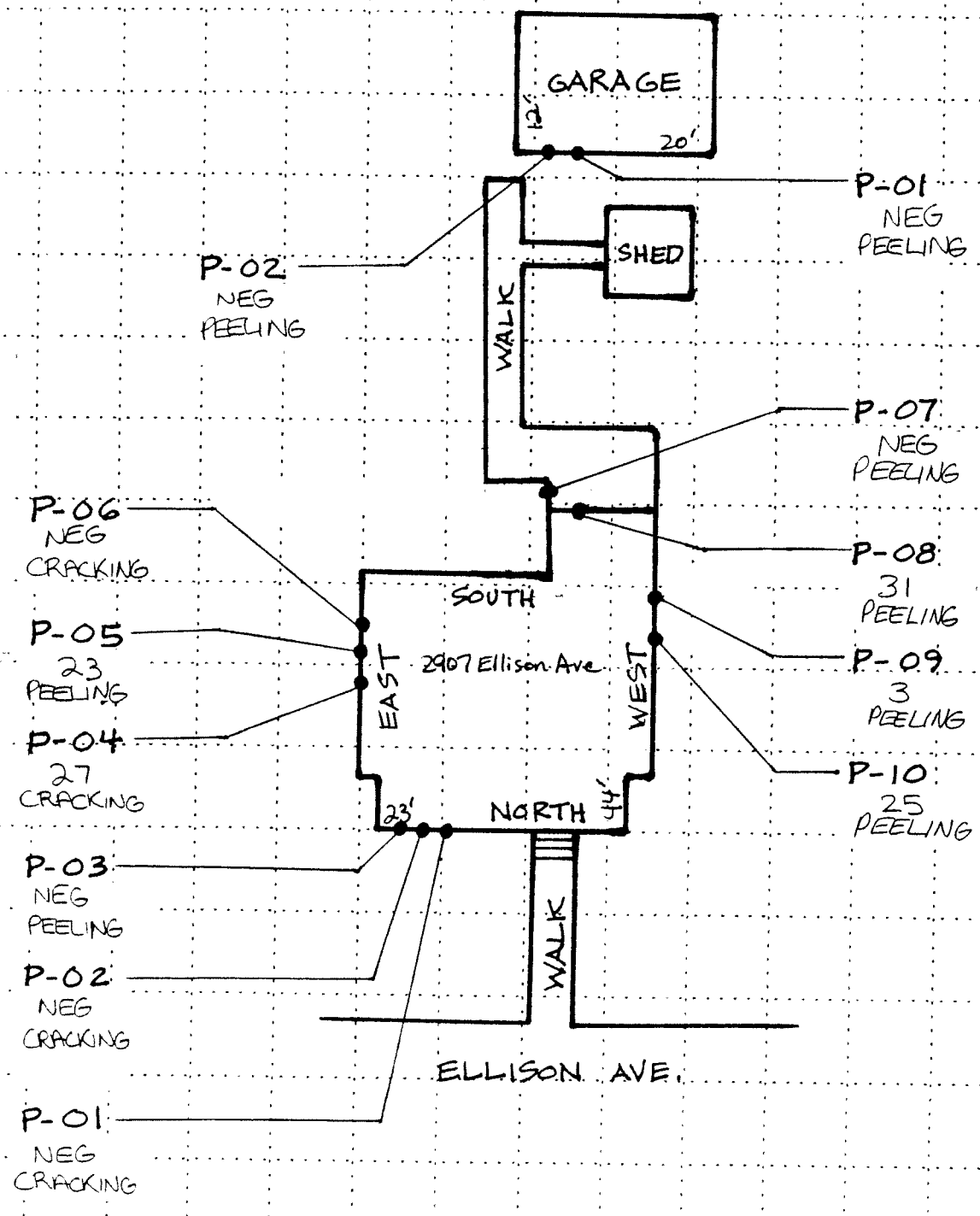
37404

Owner Name: FREDERICK E PERRY JR
Address: 2907 ELLISON AV
Phone: H: W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes



Rev LBP-1

04/401 0123

37404

Owner Name: FREDERICK E PERRY JR
Address: 2907 ELLISON AV
Phone: H: W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)

HOUSE

Surface Painted Area
North = 244 ft2
South = 420 ft2
East = 455 ft2
West = 468 ft2
Total Surface Painted Area = 1587 ft2

GARAGE

Surface Painted Area
North = 230 ft2
South = 230 ft2
East = 120 ft2
West = 120 ft2
Total Surface Painted Area = 700 ft2

SEE OTHER SEE

044701 0123

Rev LBP-1

Omaha Lead Site Drip Zone Study

BVID: 37459

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-9-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
~~DZ 01-E~~		—	☐
~~DZ 02-E~~		—	☐
~~DZ 03-E~~		—	☐
~~DZ 04-E~~		—	☐
~~DZ 05-E~~		—	☐
DZ 06-E-37459		863	☐
DZ 07-E-37459		675	☐
DZ 08-E-37459		659	☐
DZ 09-E-37459		4310	☐
DZ 10-E-37459		6365	☐
DZ 11-E-37459		4966	☐
DZ 12-E-37459		2228	☑
DZ 13-E-37459		2573	☐
DZ 14-E-37459		1131	☐
DZ 15-E-37459		1395	☐
DZ 16-E-37459		669	☐
DZ 17-E-37459		384	☐
DZ 18-E-37459		354	☐
DZ 19-E-37459		610	☐
DZ 20-E-37459		229	
DZ ~~20~~ 21-E-37459		207	☐
# of Samples:		15	1

Lab Result: DZ12-EL-37459 2200 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-37459		2224	☐
DZ 02-N-37459		1478	☐
DZ 03-N-37459		2446	☐
~~DZ 04-~~		—	☐
~~DZ 05-~~		—	☐
~~DZ 06-~~		—	☐
DZ 07-N-37459		1084	☐
DZ 08-N-37459		1296	☑
DZ 09-N-37459		1350	☐
DZ 10-N-37459		926	☐
DZ 11-N-37459		923	☐
DZ 12-N-37459		948	☐
DZ 13-N-37459		892	☐
DZ 14-N-37459		1125	☐
DZ 15-N-37459		1135	☐
DZ 16-N-37459		1213	☐
DZ 17-N-37459		1394	☐
DZ 18-N-37459		1580	☐
DZ 19-N-37459		2101	☐
DZ 20-N-37459		2444	
DZ ~~20~~ 21-N-37459		2138	☐
# of Samples:		17	1

Lab Result: DZ08-NL-37459 1480 ppm

Rev 0.9a2

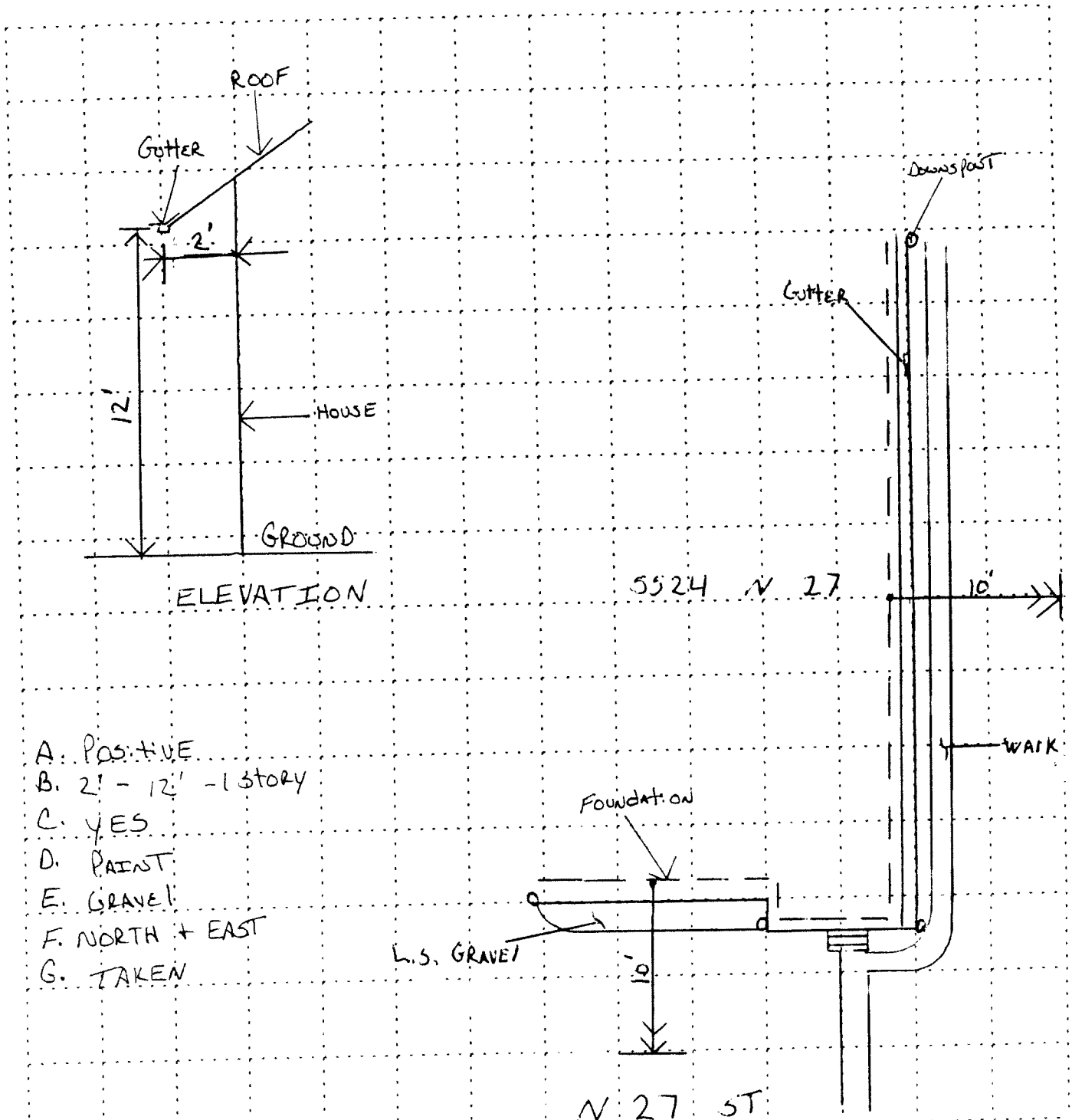
044701.01 23

BVID: 31459

Owner Name: M.M & L INT Address: 5524 N 27 ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 2' - 12' - 1 STORY
C. YES
D. PAINT
E. GRAVEL
F. NORTH + EAST
G. TAKEN

046141.0123

37459

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X Michael A Davis
(Please Print Name)

X Michael A Davis
(property Owner Signature)

X 5524 N 27 ST 11-30-05
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: SAME ☒ owner ☐ renter

Residence Address: 5524 N 27 ST OMAHA (CITY) NE (STATE) 68111 (ZIP)

Property owned by ~~MM AND L INTERNATIONAL CORPOR~~ MICHAEL A DAVIS

Owner's mailing address: ~~PO BOX 12334 FLORENCE STATION~~ 5524 N 27 ST, OMAHA, NE 68111

Owner's telephone number - Home: Work:

Age of home? 79 years How long have you lived here? 1 years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: 2 List Ages: 20's

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments: NEW OWNER

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 11.30.05 8:45AM MT SIGNED Second: Third:

37459

Owner Name: MM AND L INTERNATIONAL
Address: 5524 N 27 ST
Phone: H: W:

Omaha Lead Site Site Sketch

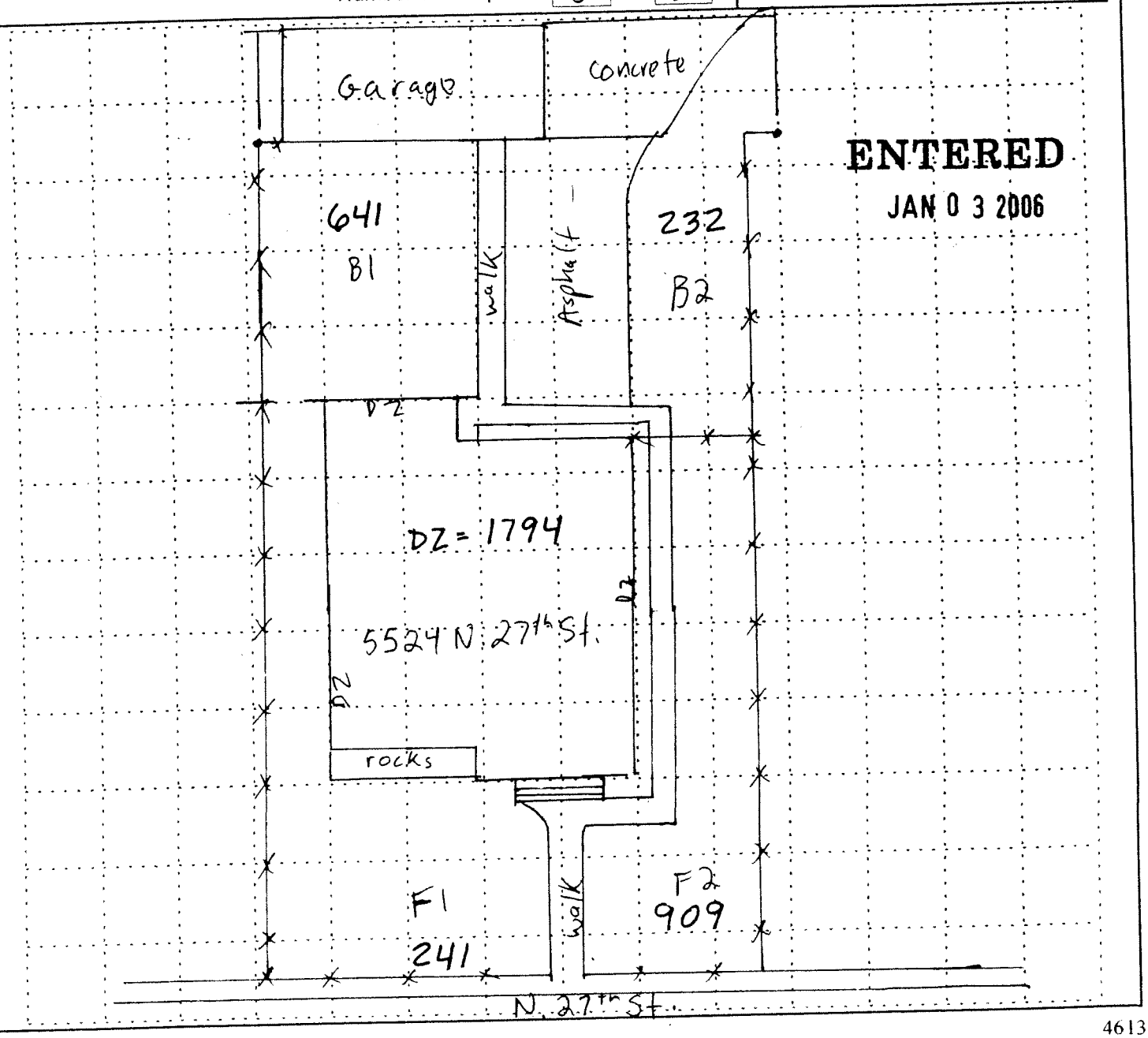
Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-37459	F1	241 ppm	☑	☐
RYBSCPXA-37459	F2	909 ppm	☑	☐
RYCSCPXA-37459	B1	641 ppm	☑	☐
RYDSCPXA-37459	B2	232 ppm	☑	☐
RDZSCPXA-37459	DZ	1794 ppm	☑	☐
~~RGZSCPXA-37459~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-37459~~	~~PZ~~	- ppm	☐	☐
Number of Samples =			5	0

Samples Collected
Firm: MES - A.H./J.H.
Date: 12/19/05
Time: 8:45

Samples Analyzed
XRF Unit: 1037 Book: 144
Date: 1-9-06
Time: PM
Staff: LA



ENTERED
JAN 0 3 2006

46130

37459

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-30-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: same

Owner Occupied? ☑ Yes ☐ No

Resident Address: 5524 N 27 ST

OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: MICHAEL A DAVIS

Owner address: 5524 N 27 ST, OMAHA, NE 68111

Owner's telephone number - Home: Work:

Age of home: 81 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House 100% painted. Garage 100% painted

Description of conditions which could contribute to paint deterioration: no splash blocks on E side

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

37459

LEGEND: H - N - P - 01 - 12345
— BVID Number
— Sample Number
— Material: P = Paint
— Side of Structure: N = North S = South E = East W = West
— Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/19/05 Time: 9:10
Staff: MES · A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - E - P - 01 - 37459	NEG mg/cm²	PORCH STEPS	WOOD	BLUE	10 ft²
H - E - P - 02 - 37459	NEG mg/cm²	FOUNDATION	CONC.	BLUE	1 ft²
H - E - P - 03 - 37459	13 mg/cm²	WINDOW/TRIM	WOOD	BLUE	1 ft²
H - E - P - 04 - 37459	10 mg/cm²	SIDING	WOOD	WHITE	5 ft²
H - N - P - 05 - 37459	27 mg/cm²	SIDING/TRIM	WOOD	BLUE	1 ft²
H - N - P - 06 - 37459	21 mg/cm²	SIDING	WOOD	WHITE	1 ft²
H - __ - P - 07 - 37459	mg/cm²				ft²
H - __ - P - 08 - 37459	mg/cm²				ft²
H - __ - P - 09 - 37459	mg/cm²				ft²
H - __ - P - 10 - 37459	mg/cm²				ft²
H - __ - P - 11 - 37459	mg/cm²				ft²
H - __ - P - 12 - 37459	mg/cm²				ft²
G - W - P - 1 - 37459	NEG mg/cm²	SIDING	WOOD	WHITE	5 ft²
G - W - P - 2 - 37459	17 mg/cm²	SIDING	WOOD	WHITE	10 ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²
__ - __ - P - __ - 37459	mg/cm²				ft²

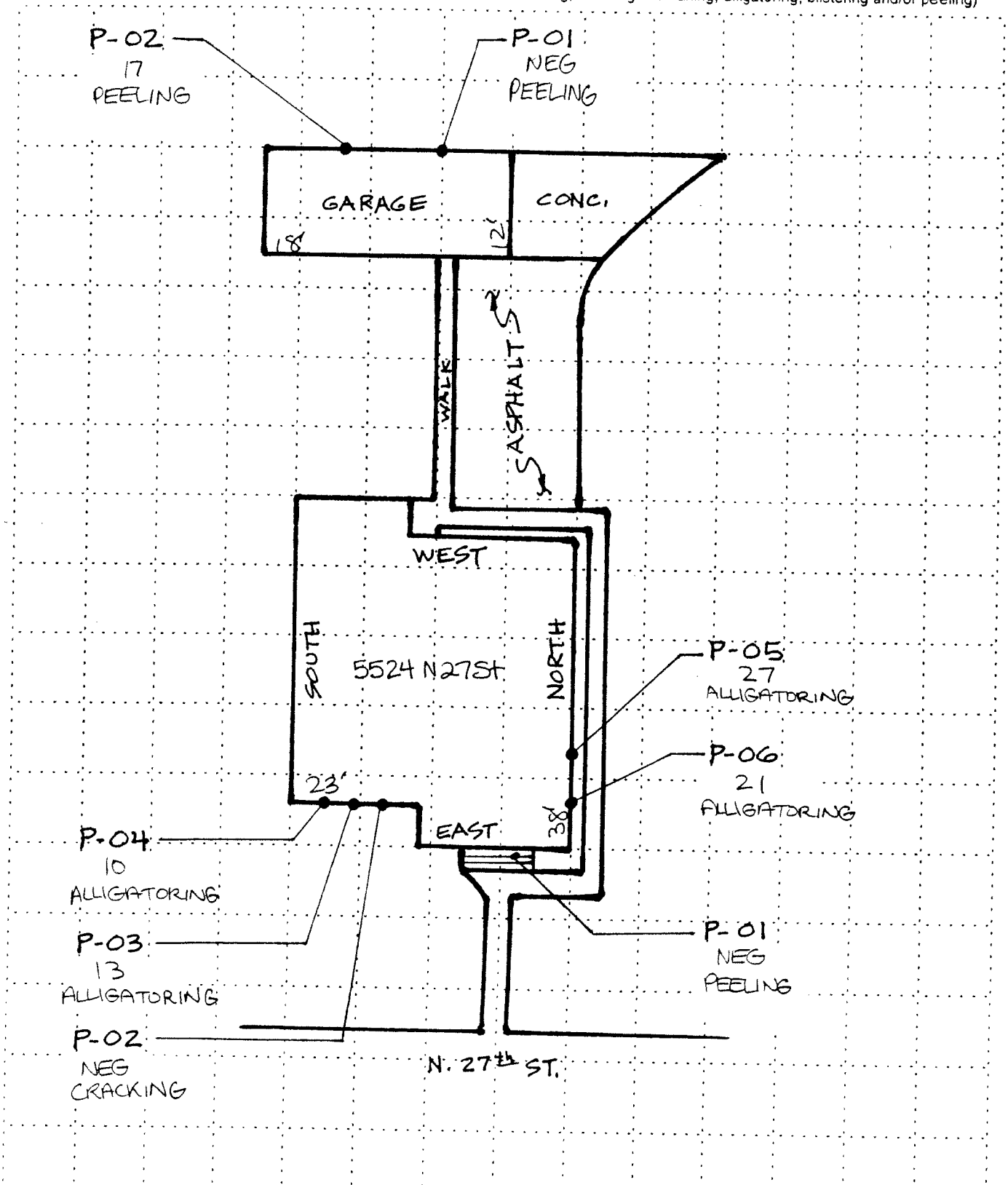
37459

Owner Name: MICHAEL A DAVIS
Address: 5524 N 27 ST
Phone: H: W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701.0123

37459

Omaha Lead Site
LBP Assessment

North Arrow

Owner Name: MICHAEL A DAVIS
Address: 5524 N 27 ST
Phone: H: W:

Additional Notes

Surface Painted Area
HOUSE

North = 420 ft2
South = 415 ft2
East = 305 ft2
West = 315 ft2
Total Surface Painted Area = 1455 ft2

Surface Painted Area
GARAGE

North = 70 ft2
South = 140 ft2
East = 160 ft2
West = 160 ft2
Total Surface Painted Area = 530 ft2

047401 0123

Rev. 1 BP-1

Omaha Lead Site Drip Zone Study

BVID: 37506

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-10-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-37506		960	☐
DZ 02-E-37506		633	☐
DZ 03-E-37506		623	☐
DZ 04-E-37506		599	☐
DZ 05-E-37506		473	☐
DZ 06-E-37506		616	☐
DZ 07-E-37506		348	☐
DZ 08-E-37506		303	☐
DZ 09-E-37506		236	☐
DZ 10-E-37506		235	☐
DZ 11-E-37506		270	☑
DZ 12-E-37506		253	☐
DZ 13-E-37506		199	☐
DZ 14-E-37506		187	☐
DZ 15-E-37506		179	☐
DZ 16-E-37506		172	☐
DZ 17-E-37506		165	☐
DZ 18-E-37506		179	☐
DZ 19-E-37506		158	☐
DZ 20-E-37506		171	
DZ ~~20~~ 21-E-37506		146	☐
# of Samples:		20	1

Lab Result: DZ11-EL-37506 251 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-37506		1071	☐
DZ 02-N-37506		1015	☐
DZ 03-N-37506		1065	☐
DZ 04-N-37506		851	☐
DZ 05-N-37506		922	☐
~~DZ 06-~~ -		—	☐
DZ 07-N-37506		770	☐
DZ 08-N-37506		766	☐
DZ 09-N-37506		601	☐
DZ 10-N-37506		543	☐
DZ 11-N-37506		434	☐
DZ 12-N-37506		321	☐
DZ 13-N-37506		293	☑
DZ 14-N-37506		261	☐
DZ 15-N-37506		265	☐
DZ 16-N-37506		245	☐
DZ 17-N-37506		274	☐
DZ 18-N-37506		208	☐
DZ 19-N-37506		211	☐
DZ 20-N-37506		190	
DZ 20-N-37506		196	☐
# of Samples:		19	1

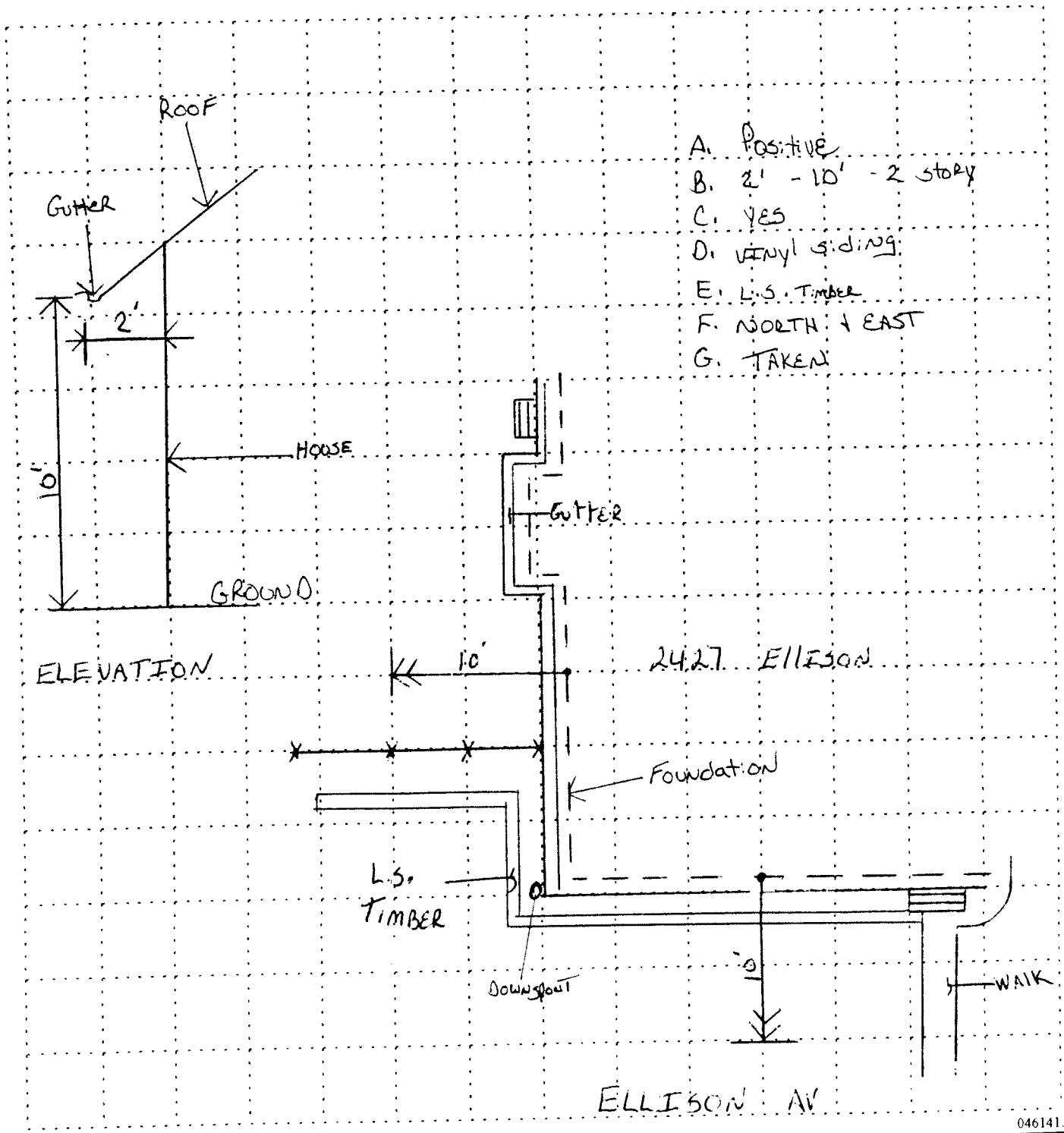
Lab Result: DZ13-NL-37506 277 ppm

BVID: 37506

Owner Name: SARAH JACKSON Address: 2427 ELLISON AV Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



Rev 4

046141.0123

37506

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X Sarah Jackson (Please Print Name)

X Sarah Jackson (property Owner Signature) X 12/5/05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: TENANTS SAME ☒ owner ☒ renter

Residence Address: 2427 ELLISON AV OMAHA (CITY) NE (STATE) 68111 (ZIP)

Property owned by SARAH JACKSON

Owner's mailing address: ~~C/O H&R BLOCK PO BOX 57096~~ ~~2427 ELLISON AVE, OMAHA, NE 68111~~ ← CORRECT ADDRESS IRVINE CA 92619

Owner's telephone number - Home: 932-2469 Work:

Age of home? 91 years How long have you lived here? 6 years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: 5 List Ages: All Adults

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: NO

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 12-5-05 12:55 pm MT SIGNED Second: Third:

ACL

37506

Owner Name: SARAH JACKSON
Address: 2427 ELLISON AV
Phone: H: 932-2469 W:

Omaha Lead Site Site Sketch

Exterior Paint
- [ ] Good
- [ ] Poor
- [x] Not paint

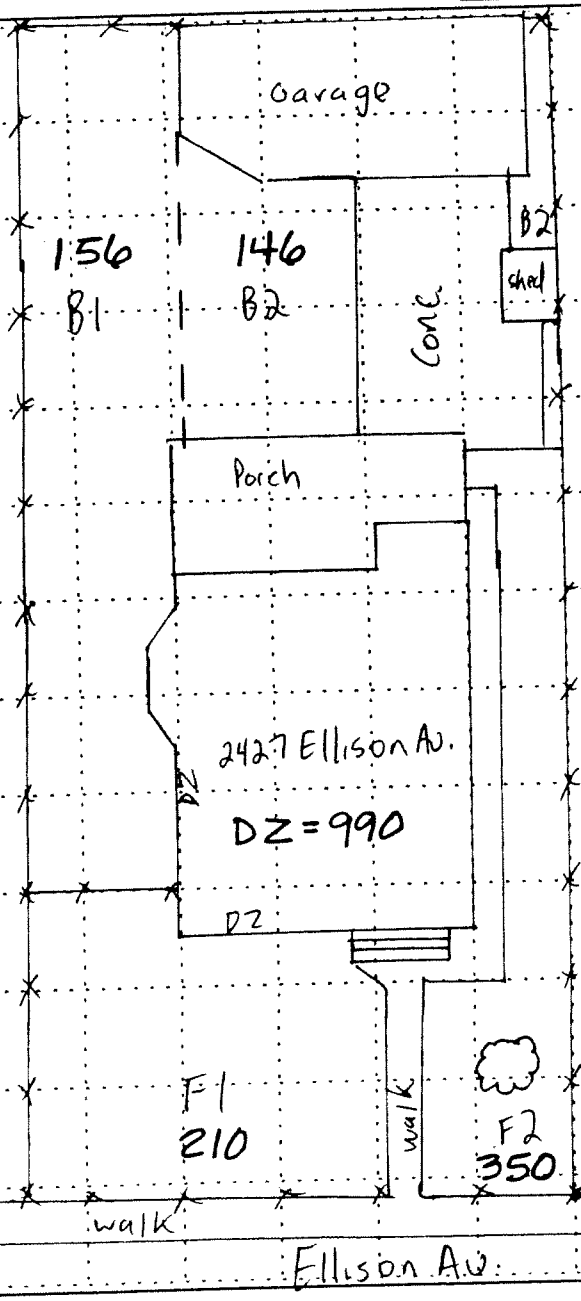
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-37506	F1	210 ppm	☑	☐
RYBSCPXA-37506	F2	350 ppm	☑	☐
RYCSCPXA-37506	B1	156 ppm	☑	☐
RYDSCPXA-37506	B2	146 ppm	☑	☐
RDZSCPXA-37506	DZ	990 ppm	☑	☐
~~RGZSCPXA-37506~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-37506~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/19/05
Time: 9:50

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-10-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



46130

37506

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12-5-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Same

Owner Occupied? ☑ Yes ☐ No

Resident Address: 2427 ELLISON AV

OMAHA (CITY) NE (STATE) 68111 (ZIP)

Owner Name: SARAH JACKSON

Owner address: 2427 ELLISON AVE, OMAHA, NE 68111

Owner's telephone number - Home: 402-932-2469 Work:

Age of home: 93 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House 95% vinyl siding, 5% painted including porch steps, porch ledge, porch window trim, concrete foundation. Garage & Shed 100% paint

Description of conditions which could contribute to paint deterioration: no splash blocks

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

37506

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/19/05 Time: 10:15
Staff: MES - A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - N - P - 01 - 37506	5 mg/cm²	PORCH/STEP	WOOD	BLUE-GREEN	50 ft²
H - N - P - 02 - 37506	NEG mg/cm²	FRONT LEDGE	WOOD	GREY	15 ft²
H - N - P - 03 - 37506	8 mg/cm²	STEP/STRINGER	WOOD	BLUE	5 ft²
H - E - P - 04 - 37506	NEG mg/cm²	FOUNDATION	CONC.	WHITE	2 ft²
H - W - P - 05 - 37506	NEG mg/cm²	FOUNDATION	CONC.	WHITE	1 ft²
H - __ - P - 06 - 37506	mg/cm²				ft²
H - __ - P - 07 - 37506	mg/cm²				ft²
H - __ - P - 08 - 37506	mg/cm²				ft²
H - __ - P - 09 - 37506	mg/cm²				ft²
H - __ - P - 10 - 37506	mg/cm²				ft²
H - __ - P - 11 - 37506	mg/cm²				ft²
H - __ - P - 12 - 37506	mg/cm²				ft²
G - N - P - 1 - 37506	NEG mg/cm²	GARAGE/DOOR	WOOD	WHITE	2 ft²
G - N - P - 2 - 37506	NEG mg/cm²	DOOR/FRAME	WOOD	WHITE	1 ft²
G - E - P - 3 - 37506	NEG mg/cm²	SIDING	WOOD	WHITE	12 ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
S - E - P - 1 - 37506	NEG mg/cm²	SIDING	WOOD	WHITE	10 ft²
S - E - P - 2 - 37506	NEG mg/cm²	DOOR/FRAME	WOOD	WHITE	1 ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²
__ - __ - P - __ - 37506	mg/cm²				ft²

044701 01 23

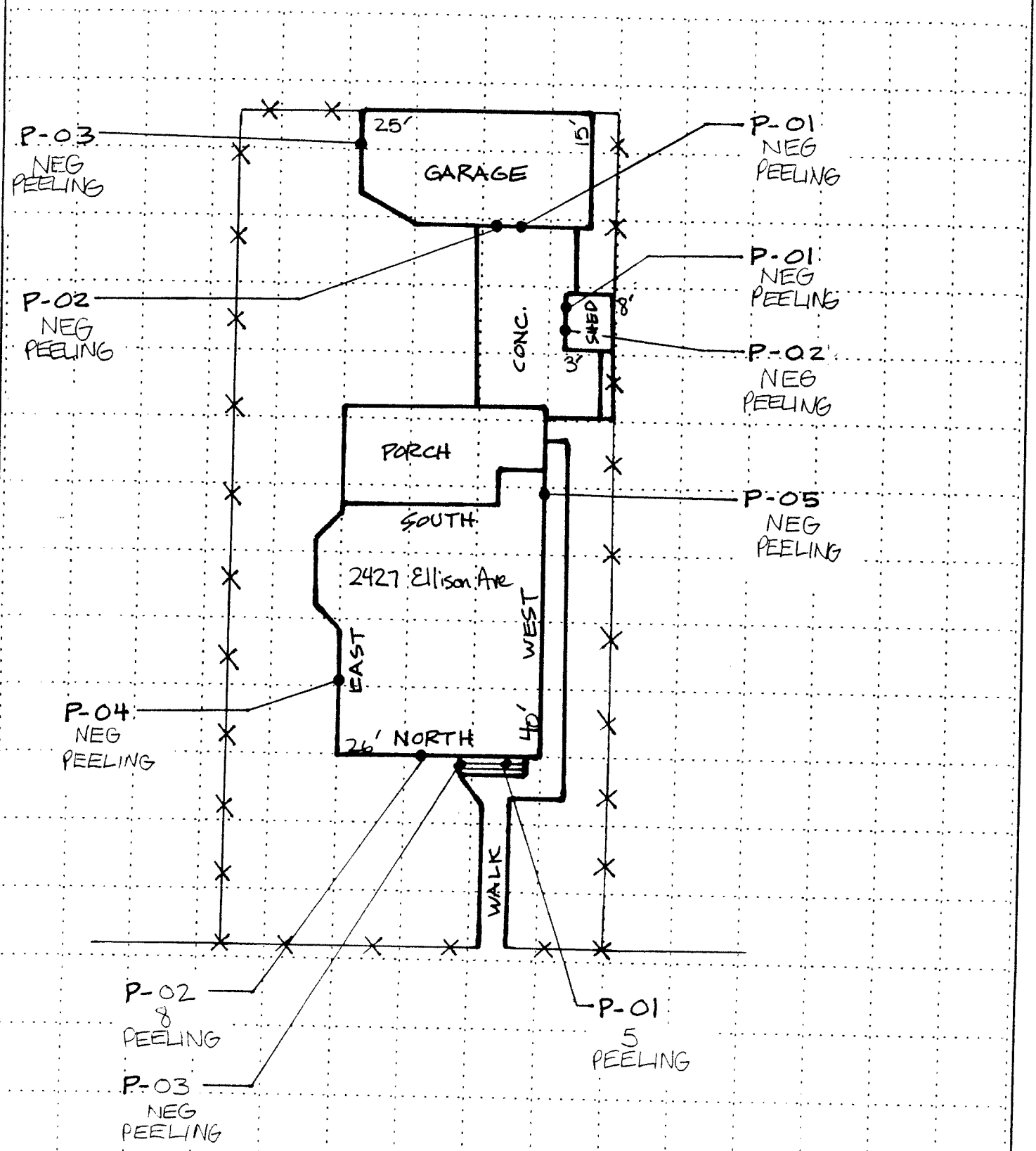
37506

Owner Name: SARAH JACKSON
Address: 2427 ELLISON AV
Phone: H: 402-932-2469 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes



Rev LBP-1

047401 0123

37506

Owner Name: SARAH JACKSON
Address: 2427 ELLISON AV
Phone: H: 402-932-2469 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)

HOUSE

Surface Painted Area North = 80 ft2
South = 20 ft2
East = 70 ft2
West = 70 ft2
Total Surface Painted Area = 240 ft2

GARAGE

Surface Painted Area North = 175 ft2
South = 175 ft2
East = 115 ft2
West = 115 ft2
Total Surface Painted Area = 580 ft2

SEE OTHER SIDE

SHED

Surface Painted Area North = 12 ft2
South = 12 ft2
East = 72 ft2
West = 72 ft2
Total Surface Painted Area = 168 ft2

044701 0123

Rev 1 BP-1

Omaha Lead Site Drip Zone Study

BVID: 49066

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-13-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-49066		232	☐
DZ 02-E-49066		294	☐
DZ 03-E-49066		211	☐
DZ 04-E-49066		200	☐
DZ 05-E-49066		181	☐
DZ 06-E-49066		165	☐
DZ 07-E-49066		183	☐
DZ 08-E-49066		239	☐
DZ 09-E-49066		156	☐
DZ 10-E-49066		145	☐
DZ 11-E-49066		181	☐
DZ 12-E-49066		171	☐
DZ 13-E-49066		264	☐
DZ 14-E-49066		306	☐
DZ 15-E-49066		153	☐
DZ 16-E-49066		157	☐
DZ 17-E-49066		172	☐
DZ 18-E-49066		170	☐
DZ 19-E-49066		172	☐
DZ 20-E-49066		188	
DZ ~~20~~ 21-E-49066		151	☐
# of Samples:		21	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-49066		122	☐
DZ 02-S-49066		100	☐
DZ 03-S-49066		155	☐
DZ 04-S-49066		178	☐
DZ 05-S-49066		606	☐
DZ 06-S-49066		160	☐
DZ 07-S-49066		169	☐
DZ 08-S-49066		190	☐
DZ 09-S-49066		143	☐
DZ 10-S-49066		209	☐
DZ 11-S-49066		163	☐
DZ 12-S-49066		164	☐
DZ 13-S-49066		190	☐
DZ 14-S-49066		173	☐
DZ 15-S-49066		163	☐
DZ 16-S-49066		184	☐
DZ 17-S-49066		160	☐
DZ 18-S-49066		181	☐
DZ 19-S-49066		140	☐
DZ 20-S-49066		167	
DZ ~~20~~ 21-S-49066		129	☐
# of Samples:		21	

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Rev 0.9a2

044701.01.23

BVID: 49066

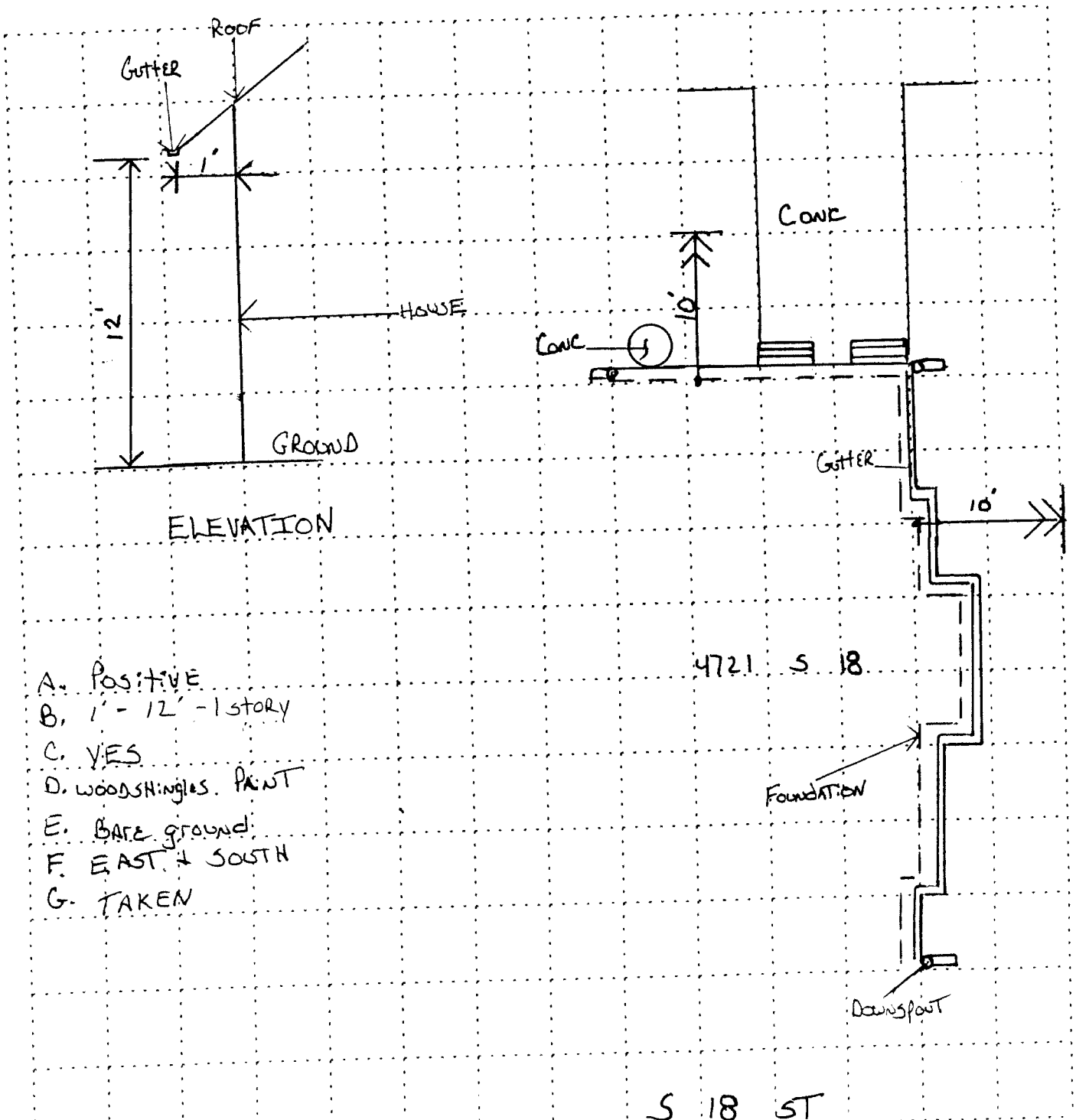
Owner Name: THOMAS POISEL
Address: 4721 S 18 ST
Phone: H: W:

Omaha Lead Site Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

North Arrow

Record the following information:
a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 1' - 12' - 1 STORY
C. YES
D. WOOD SHINGLES. PAINT
E. BARE GROUND
F. EAST + SOUTH
G. TAKEN

046141 0123

12500 #
5

49066

U S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By Giovanna Zermeño
(Please Print Name)

(property Owner Signature)

11-19-05
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Sama ☒ owner ☐ renter

Residence Address: 4721 S 18 ST OMAHA (CITY) NE (STATE) 68107 (ZIP)

Property owned by ~~THOMAS J POISEL~~ New Owner Giovanna Zermeño

Owner's mailing address: ~~13502 CARPENTER ST, OMAHA, NE 68138~~ 4721 S 18 St

Owner's telephone number - Home: C 850-6690 Work:

Age of home? 112 years How long have you lived here? 2 months years

Has the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: 3 List Ages: adults - 2 kids - 1 16 months

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: 1 - 16 months

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 11-7-05 3:16 MSW Second: 11-15-05 5:19 MSW Third: 11-16-05 1:49 MSW

49066

Owner Name: Giovanna Zevmeno
Address: 4721 S 18 ST
Phone: H: 850-6690 cell W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

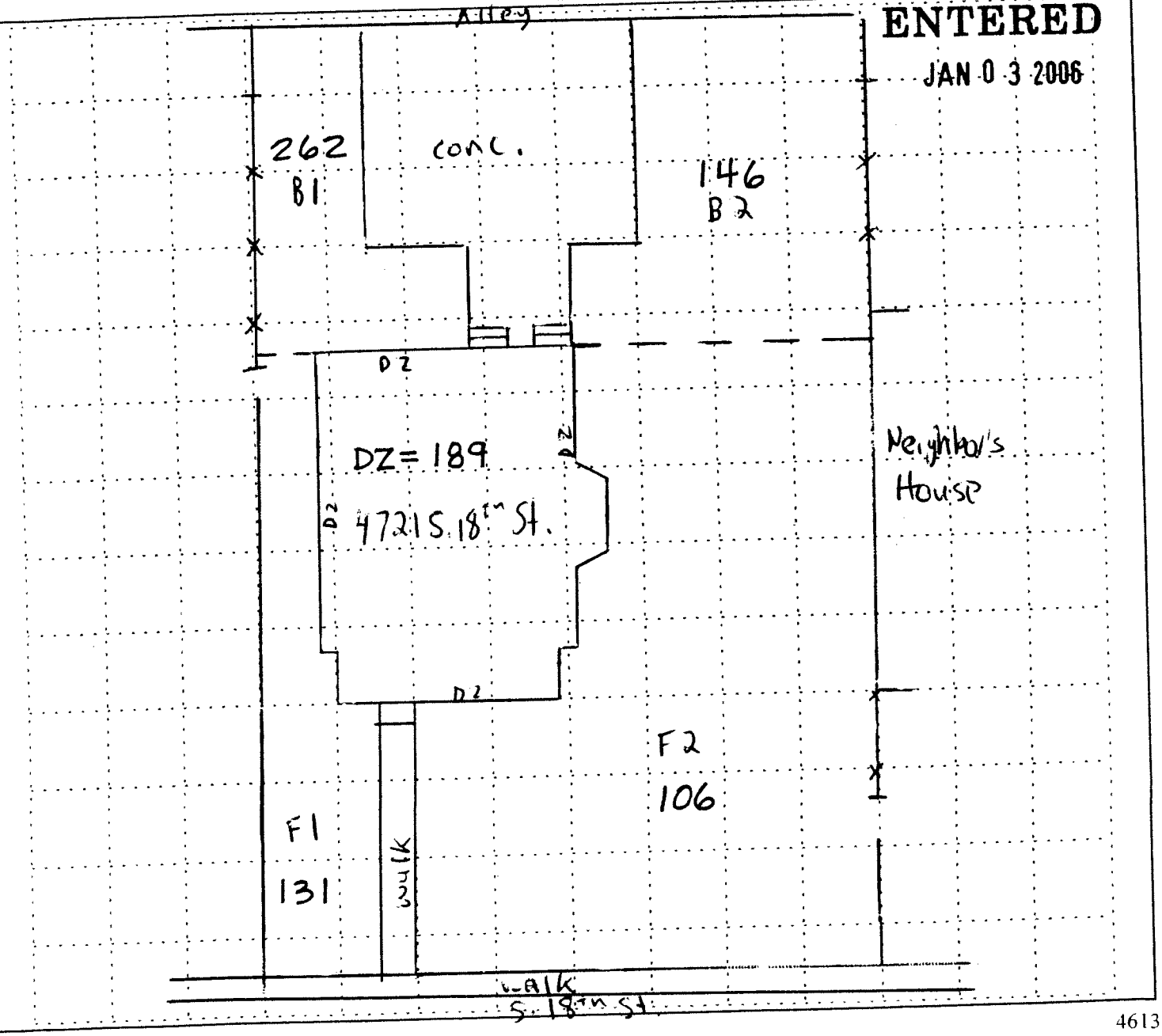
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49066	F1	131 ppm	[x]	[ ]
RYBSCPXA-49066	F2	106 ppm	[x]	[ ]
RYCSCPXA-49066	B1	262 ppm	[x]	[ ]
RYDSCPXA-49066	B2	146 ppm	[x]	[ ]
RDZSCPXA-49066	DZ	189 ppm	[x]	[ ]
~~RGZSCPXA-49066~~	~~GZ~~	– ppm	[ ]	[ ]
~~RPZSCPXA-49066~~	~~PZ~~	– ppm	[ ]	[ ]
Number of Samples =			5	0

Samples Collected
Firm: MES - A.H./K.M.
Date: 12/15/05
Time: 10:25

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-13-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



46130

49066

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

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Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-19-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☑ Yes ☐ No

Resident Address: 4721 S 18 ST

OMAHA (CITY) NE (STATE) 68107 (ZIP)

Owner Name: GIOVANNA ZORMENO

Owner address: 4721 18 ST, OMAHA, NE 68107

Owner's telephone number - Home: 850-6690 (CELL) Work:

Age of home: 114 years Paint Condition: ☑ < 10 ft² Deteriorated ☐ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - wood shingle siding - 75% no paint, 25% painted - window/siding trim, porch, siding, soffit/fascia.

Description of conditions which could contribute to paint deterioration: House is missing splash blocks on all downspouts.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

49066

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/15/05 Time: 10:55
Staff: MES-A.H./K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-W-P-01-49066	NEG mg/cm²	PORCH/EDGE	Conc.	OLIVE	1 ft²
H-W-P-02-49066	NEG mg/cm²	Fnd/Fnd	Brick	TAN	1 ft²
H-W-P-03-49066	3 mg/cm²	FACIA/FACIA	WOOD	OLIVE	1 ft²
H-N-P-04-49066	NEG mg/cm²	Sid/TRIM	WOOD	OLIVE	1 ft²
H-N-P-05-49066	NEG mg/cm²	WINDOW/Trim	WOOD	OLIVE	1 ft²
H-E-P-06-49066	NEG mg/cm²	WINDOW/TRIM	WOOD	OLIVE	1 ft²
H-S-P-07-49066	NEG mg/cm²	Sid/Sid	WOOD	OLIVE	1 ft²
H-S-P-08-49066	NEG mg/cm²	WINDOW/trim	WOOD	TAN	1 ft²
H-__-P-09-49066	mg/cm²				ft²
H-__-P-10-49066	mg/cm²				ft²
H-__-P-11-49066	mg/cm²				ft²
H-__-P-12-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²
__-__-P-___-49066	mg/cm²				ft²

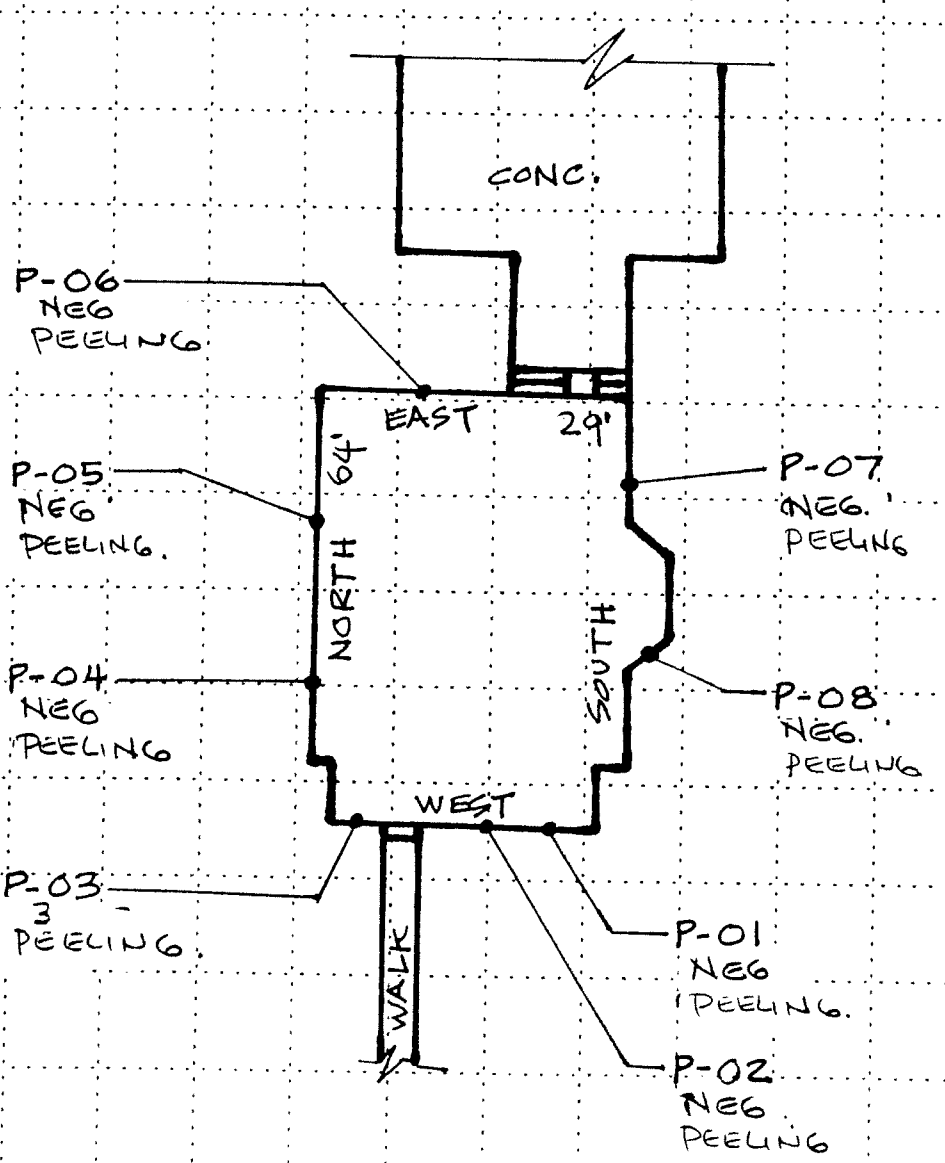
49066

Owner Name: GIOVANNA ZORMENO
Address: 4721 S 18 ST
Phone: H: 850-6690 (CEL W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

49066

Owner Name: GIOVANNA ZORMENO
Address: 4721 S 18 ST
Phone: H: 850-6690 (CEL W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area
North = 70 ft2
South = 170 ft2
East = 120 ft2
West = 350 ft2
Total Surface Painted Area = 710 ft2

047401.0123

Rev 1 BP-1

Omaha Lead Site Drip Zone Study

BVID: 49149

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-5-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- S - 49149		438	☐
DZ 02- S - 49149		448	☐
DZ 03- S - 49149		430	☐
DZ 04- S - 49149		318	☐
DZ 05- S - 49149		214	☐
DZ 06- S - 49149		244	☐
DZ 07- S - 49149		246	☑
DZ 08- S - 49149		327	☐
DZ 09- S - 49149		327	☐
DZ 10- S - 49149		189	☐
DZ 11- S - 49149		217	☐
DZ 12- S - 49149		219	☐
DZ 13- S - 49149		172	☐
DZ 14- S - 49149		184	☐
~~DZ 15- S - 49149~~		–	☐
DZ 16- S - 49149		155	☐
DZ 17- S - 49149		161	☐
DZ 18- S - 49149		158	☐
DZ 19- S - 49149		141	☐
DZ 20- S - 49149		148	
DZ ~~20~~ 21 - S - 49149		130	☐
# of Samples:		19	1

Lab Result: DZ07-SL-49149 287 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01- N - 49149		828	☐
DZ 02- N - 49149		571	☐
DZ 03- N - 49149		976	☐
DZ 04- N - 49149		757	☐
DZ 05- N - 49149		569	☐
DZ 06- N - 49149		767	☐
DZ 07- N - 49149		1299	☐
DZ 08- N - 49149		1331	☐
DZ 09- N - 49149		1459	☐
DZ 10- N - 49149		1241	☐
DZ 11- N - 49149		904	☐
DZ 12- N - 49149		1222	☐
DZ 13- N - 49149		677	☐
DZ 14- N - 49149		1152	☑
DZ 15- N - 49149		1022	☐
DZ 16- N - 49149		1087	☐
DZ 17- N - 49149		702	☐
DZ 18- N - 49149		787	☐
DZ 19- N - 49149		758	☐
DZ 20- N - 49149		510	
DZ ~~20~~ 21 - N - 49149		459	☐
# of Samples:		20	1

Lab Result: DZ14-NL-49149 1160 ppm

Rev 0.9a2

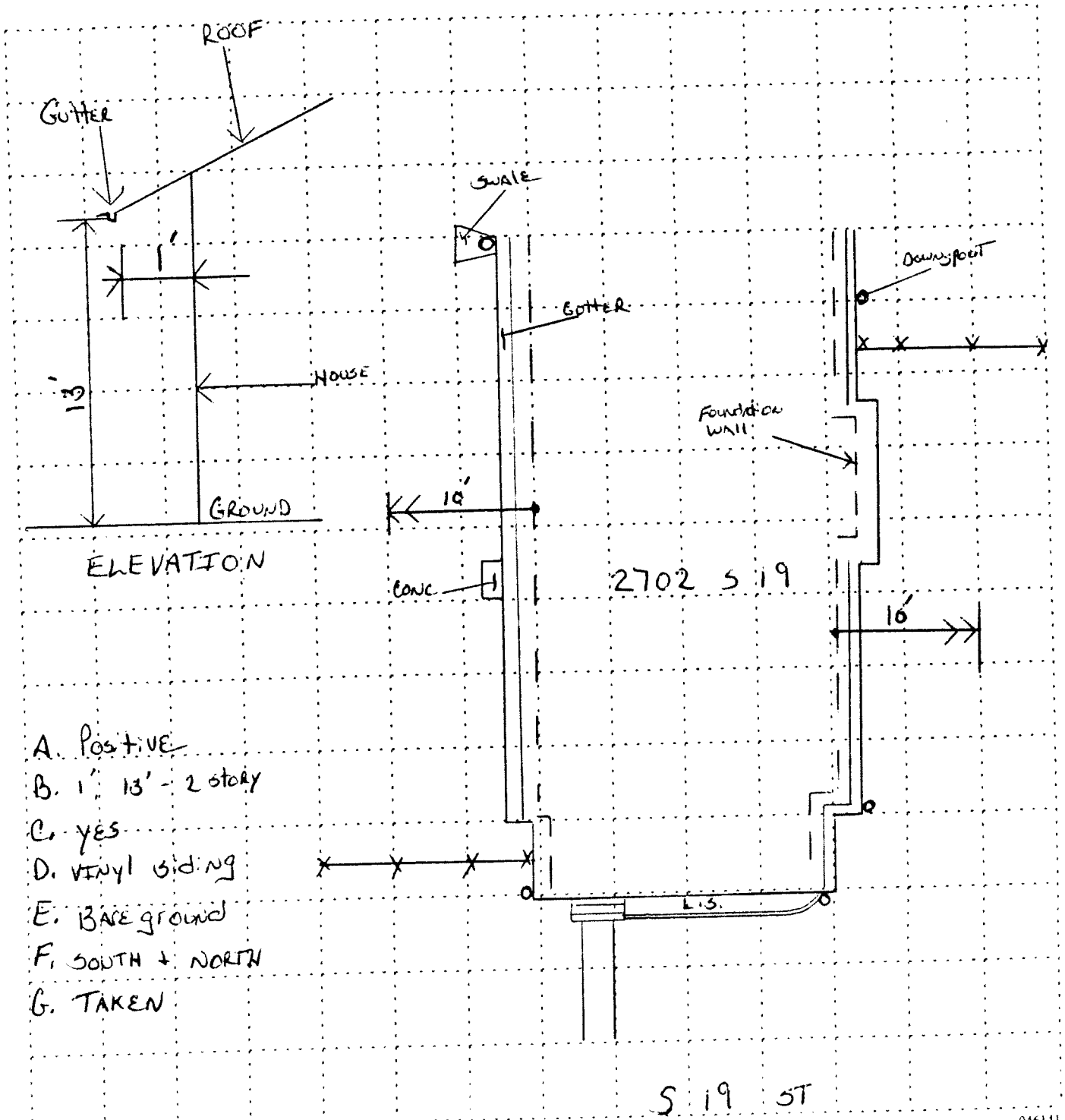
044701 01 23

BVID: 49149

Owner Name: MERLE ROTH Address: 2702 S 19 ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 1'; 13' - 2 story
C. yes
D. vinyl siding
E. Bare ground
F. SOUTH + NORTH
G. TAKEN

046141.0123

Rev 4

49149

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS (to be completed by property owner)

Para recibir esta forma en espanol, por favor llame Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X RICHARD ROTH (Please Print Name)

X _____ (property Owner Signature) X 11-7-05 (date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: MERLE M ROTH ☐ owner ☐ renter

Residence Address: 2702 S 19 ST OMAHA (CITY) NE (STATE) 68108 (ZIP)

Property owned by MERLE M ROTH

Owner's mailing address: 2702 S 19 ST, OMAHA, NE 68108

Owner's telephone number - Home: 402-345-2708 Work:

Age of home? 120 years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☒ No

Total number of occupants: 2 List Ages: 46

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: NONE

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 10/18/05 1:00 pm FD & PM MC Second: 11/1/05 3:55 pm LBH/CE Third:

Omaha Lead Site FB-108 FDA

Black & Veatch Special Projects Corp.

FAXED

46130.0160

49149

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X _____ (Please Print Name)

X _____ *(property Owner Signature)* X _____ *(date)*

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: MERLE M ROTH ☐ owner ☐ renter

Residence Address: 2702 S 19 ST OMAHA (CITY) NE (STATE) 68108 (ZIP)

Property owned by MERLE M ROTH

Owner's mailing address: 2702 S 19 ST, OMAHA, NE 68108

Owner's telephone number - Home: 402-345-2705 Work: _____

Age of home? 120 years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 10/18/05 FDA 1:00 pm HC Second: 11/1/05 3:55 pm LBH/CE Third: 11/7/ faxed CE-Sig

49149

Owner Name: MERLE M ROTH
Address: 2702 S 19 ST
Phone: H: 402-345-2705 W:

Omaha Lead Site Site Sketch

Exterior Paint
- [ ] Good
- [ ] Poor
- [x] Not paint

North Arrow

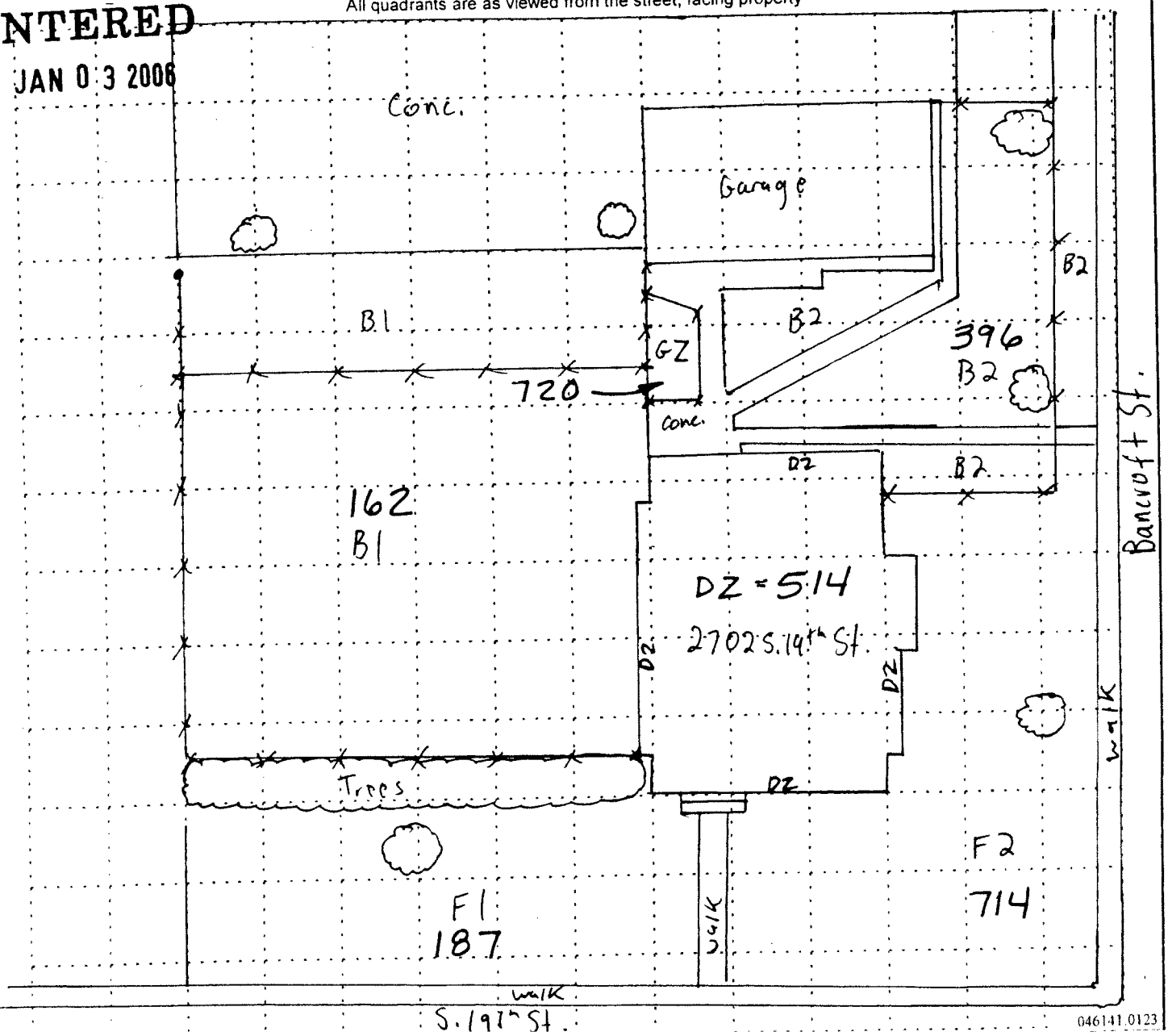
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49149	F1	187 ppm	☑	☐
RYBSCPXA-49149	F2	714 ppm	☑	☐
RYCSCPXA-49149	B1	162 ppm	☑	☐
RYDSCPXA-49149	B2	396 ppm	☑	☐
RDZSCPXA-49149	DZ	514 ppm	☑	☐
RGZSCPXA-49149	GZ	720 ppm	☑	☐
~~RPZSCPXA-49149~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	6	0

Samples Collected
Firm: MES-A.H./K.M.
Date: 12/27/05
Time: 10:55

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-5-06
Time: PM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property

ENTERED
JAN 03 2006



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49149

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-7-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☑ Yes ☐ No

Resident Address: 2702 S 19 ST

OMAHA (CITY) NE (STATE) 68108 (ZIP)

Owner Name: MERLE M ROTH

Owner address: 2702 S 19 ST, OMAHA, NE 68108

Owner's telephone number - Home: 402-345-2705 Work:

Age of home: 121 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - vinyl siding - 80%, 20% painted porch & window trim, Garage - cement block - 70%, 30% painted - door & siding.

Description of conditions which could contribute to paint deterioration: None

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

49149

LEGEND: H - N - P - 01 - 12345
— BVID Number
— Sample Number
— Material: P = Paint
— Side of Structure: N = North S = South E = East W = West
— Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/27/05 Time: ____
Staff: MES-A.H./K.M.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-E-P-01-49149	NEG mg/cm²	COLUMN	WOOD	WHITE	1 ft²
H-W-P-02-49149	2 mg/cm²	COLUMN	WOOD	BROWN	2 ft²
H-N-P-03-49149	NEG mg/cm²	WINDOW	WOOD	WHITE	2 ft²
H-N-P-04-49149	NEG mg/cm²	PORCH DOOR	WOOD	WHITE	4 ft²
H-__-P-05-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-06-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-07-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-08-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-09-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-10-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-11-49149	____ mg/cm²	____	____	____	____ ft²
H-__-P-12-49149	____ mg/cm²	____	____	____	____ ft²
G-E-P-1-49149	NEG mg/cm²	DOOR	WOOD	WHITE	2 ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²
__-__-P-___-49149	____ mg/cm²	____	____	____	____ ft²

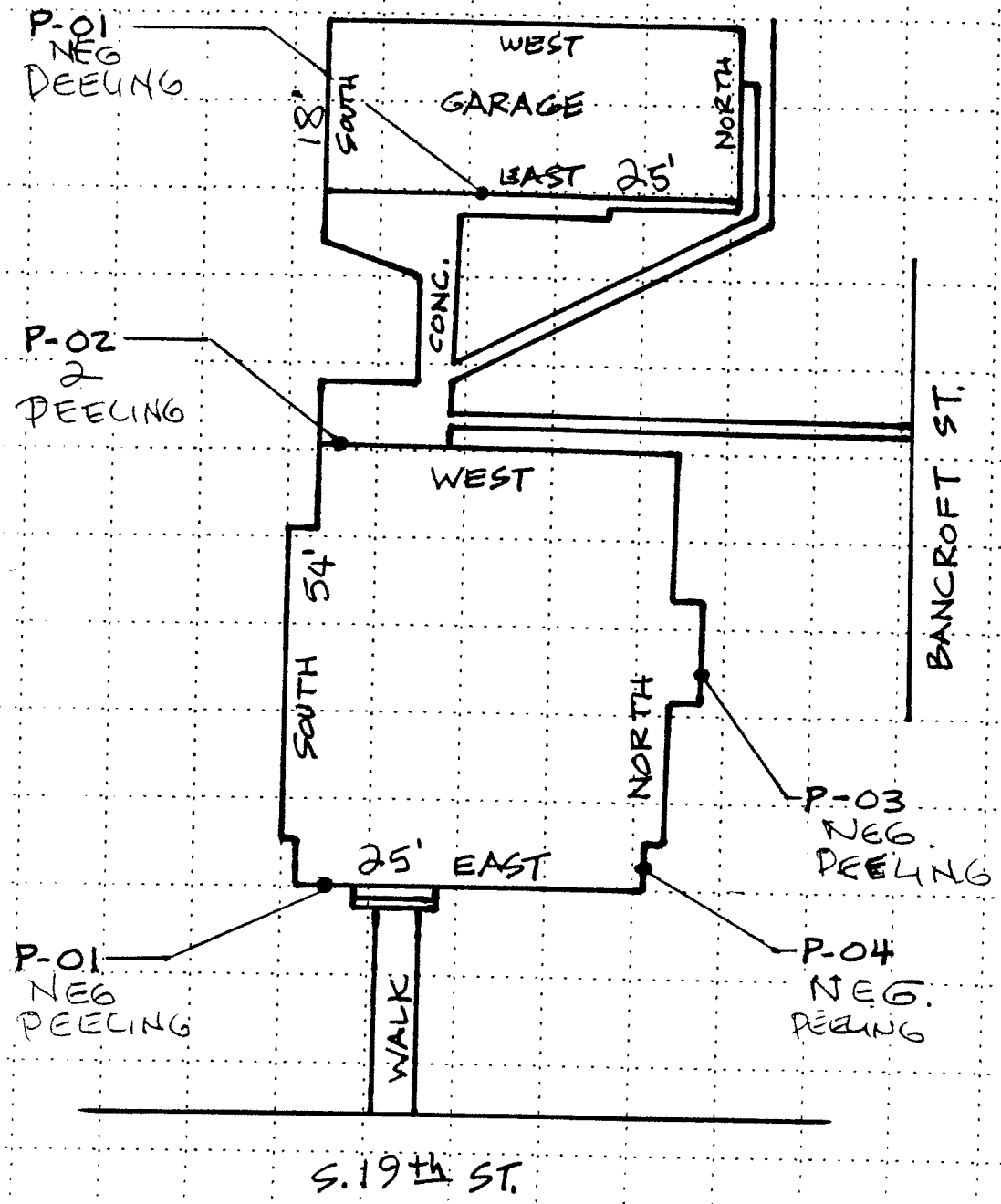
49149

Owner Name: MERLE M ROTH
Address: 2702 S 19 ST
Phone: H: 402-345-2705 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes



Rev LBP-1

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49149

Owner Name: MERLE M ROTH
Address: 2702 S 19 ST
Phone: H: 402-345-2705 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)

HOUSE
Surface Painted Area North = 30 ft2
South = 50. ft2
East = 380. ft2
West = 30 ft2
Total Surface Painted Area = 490 ft2

GARAGE
Surface Painted Area North = ϕ ft2
South = 10. ft2
East = 30 ft2
West = 30. ft2
Total Surface Painted Area = 70. ft2

(OTHER SIDE)

044701.0123

Rev LBP-1

Omaha Lead Site Drip Zone Study

BVID: 49565

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-6-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-49565		358	☐
DZ 02-E-49565		314	☐
DZ 03-E-49565		401	☐
DZ 04-E-49565		575	☐
DZ 05-E-49565		653	☐
DZ 06-E-49565		739	☐
DZ 07-E-49565		812	☐
DZ 08-E-49565		567	☐
DZ 09-E-49565		749	☑
DZ 10-E-49565		533	☐
DZ 11-E-49565		288	☐
DZ 12-E-49565		187	☐
DZ 13-E-49565		219	☐
DZ 14-E-49565		237	☐
DZ 15-E-49565		189	☐
DZ 16-E-49565		141	☐
DZ 17-E-49565		168	☐
DZ 18-E-49565		264	☐
DZ 19-E-49565		288	☐
DZ-20-E-49565		238	
DZ-~~20~~ 21-E-49565		247	☐
# of Samples:		20	1

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-49565		395	☑
DZ 02-N-49565		347	☐
DZ 03-N-49565		408	☐
DZ 04-N-49565		296	☐
DZ 05-N-49565		347	☐
DZ 06-N-49565		371	☐
DZ 07-N-49565		313	☐
DZ 08-N-49565		358	☐
DZ 09-N-49565		343	☐
DZ 10-N-49565		359	☐
DZ 11-N-49565		326	☐
DZ 12-N-49565		312	☐
DZ 13-N-49565		261	☐
DZ 14-N-49565		287	☐
DZ 15-N-49565		218	☐
DZ 16-N-49565		256	☐
DZ 17-N-49565		263	☐
DZ 18-N-49565		243	☐
DZ 19-N-49565		224	☐
DZ20-N-49565		214	
DZ 20-N-49565		200	☐
# of Samples:		20	1

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Lab Result: DZ01-NL-49565 664 ppm

Rev 0.9a2

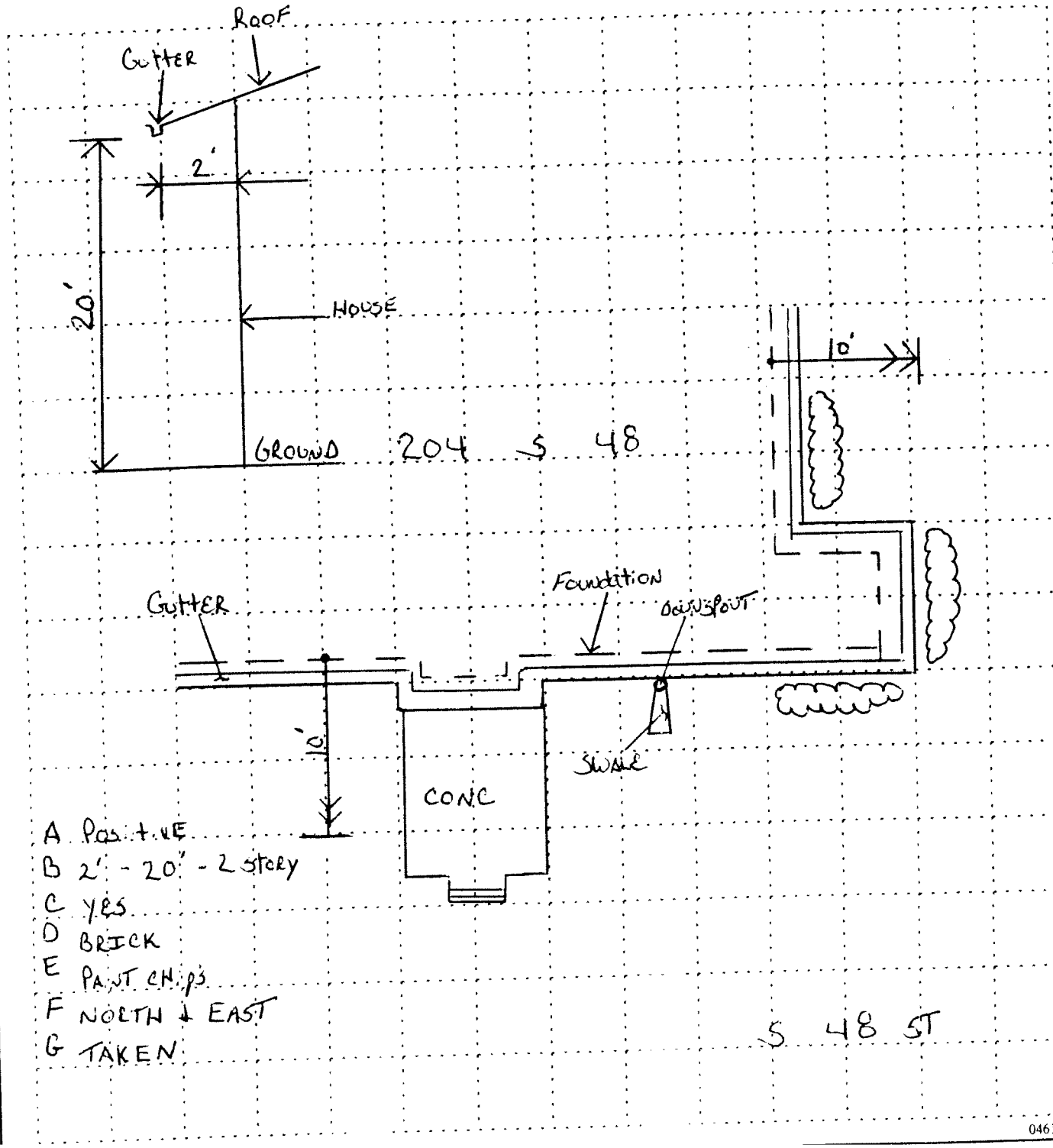
044701 01 23

BVID: 49565

Owner Name: HELEN Randall Address: 204 S 48 ST Phone: H: W:	**Omaha Lead Site Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A Positive
B 2' - 20' - 2 story
C YES
D BRICK
E PAINT CHIPS
F NORTH & EAST
G TAKEN

(Mail)

A

49565

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By GARY RANDALL
(Please Print Name)

(property Owner Signature) 11/17/05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 204 S 48 ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by HELEN C RANDALL

Owner's mailing address: C/O GARY RANDALL 204 S 48 ST #2, OMAHA, NE 68132

Owner's telephone number - Home: NO [illegible] Work: _____

Age of home? _____ years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent: 12/11/04

First: 11/9/04 No contact 1:21 Second: 8-25-05 12:49 MSW Third: 11-17-05 12:30 MSW

Black & Veatch Special Projects Corp.

Mail

A
49565

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By _____
(Please Print Name)

_____ (property Owner Signature) _____ (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 204 S 48 ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by HELEN C RANDALL

Owner's mailing address: C/O GARY RANDALL 204 S 48 ST #2, OMAHA, NE 68132

Owner's telephone number - Home: NO PH [illegible] Work: _____

Age of home? _____ years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent: 12/11/04

First: 11/4/04 No contact 1:21 Second: 8-25-05 12:49 MSW Third: 11-17-05 12:30pm MSW

49565

Owner Name: HELEN C RANDALL
Address: 204 S 48 ST
Phone: H: W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

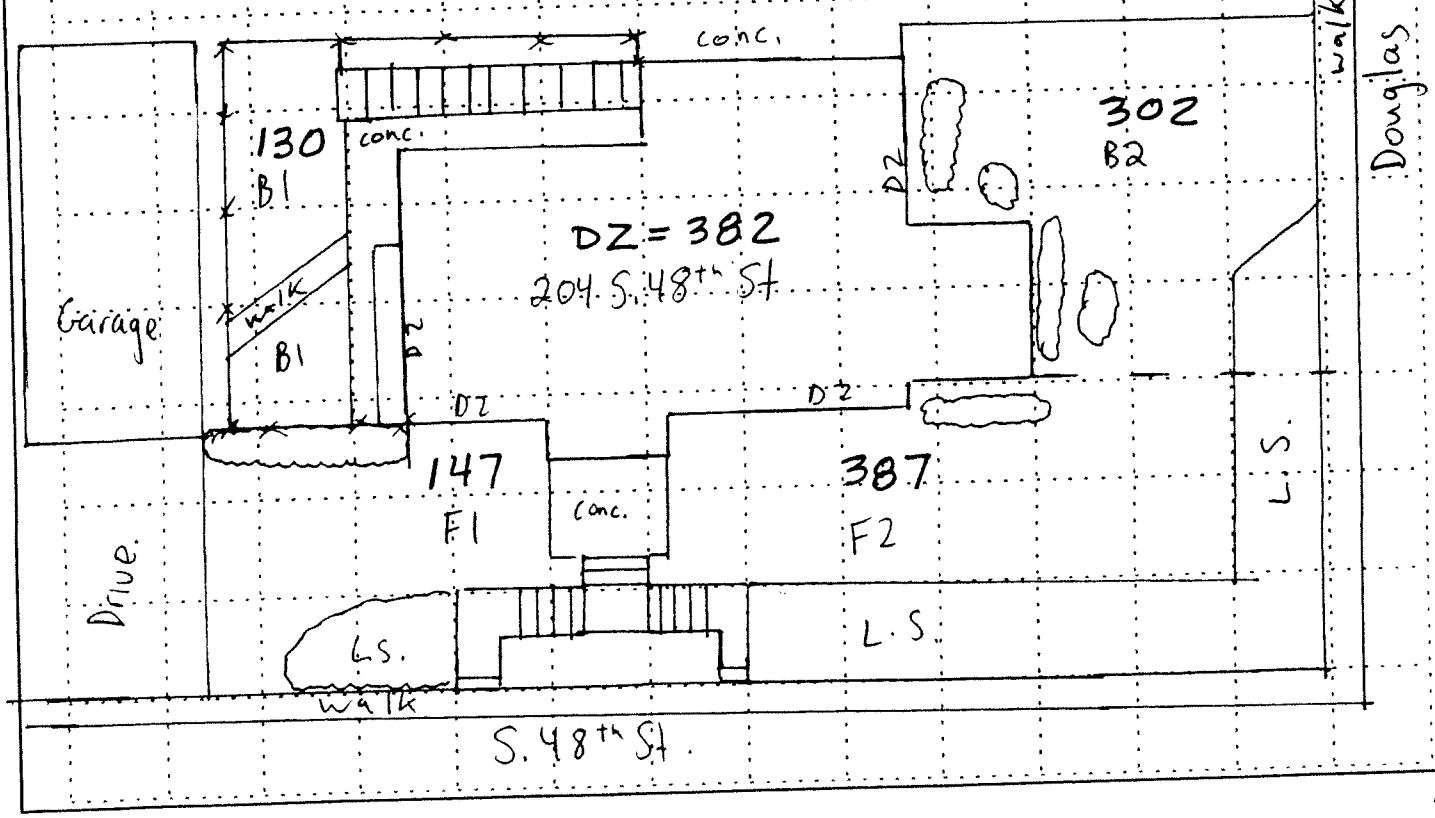
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49565	F1	147 ppm	☑	☐
RYBSCPXA-49565	F2	387 ppm	☑	☐
RYCSCPXA-49565	B1	130 ppm	☑	☐
RYDSCPXA-49565	B2	302 ppm	☑	☐
RDZSCPXA-49565	DZ	382 ppm	☑	☐
~~RGZSCPXA-49565~~	~~GZ~~	- ppm	☐	☐
~~RPZSCPXA-49565~~	~~PZ~~	- ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/21/05
Time: 3:15

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-6-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



46130

49565

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-17-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☐ Yes ☐ No

Resident Address: 204 S 48 ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: HELEN C RANDALL

Owner address: C/O GARY RANDALL 204 S 48 ST #2, OMAHA, NE 68132

Owner's telephone number - Home: _____ Work: _____

Age of home: _____ years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House - brick - 85%, 15% painted - window/door trim, siding, soffit & fascia. Garage - Cement block - 80%, 20% paint - door.

Description of conditions which could contribute to paint deterioration: None.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

49565

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/21/05 Time: 3:15
Staff: MES - A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - E - P - 01 - 49565	NEG mg/cm²	WIN/TRIM	WOOD	WHITE	1 ft²
H - E - P - 02 - 49565	18 mg/cm²	BOARDED WIN	WOOD	WHITE	1 ft²
H - E - P - 03 - 49565	23 mg/cm²	WIN/TRIM	WOOD	WHITE	1 ft²
H - S P - 04 - 49565	NEG mg/cm²	STAIRWAY/SIDING	WOOD	WHITE	20 ft²
H - W - P - 05 - 49565	NEG mg/cm²	SIDING	WOOD	WHITE	4 ft²
H - W - P - 06 - 49565	NEG mg/cm²	WINDOW/SILL	WOOD	WHITE	2 ft²
H - N - P - 07 - 49565	15 mg/cm²	WINDOW/TRIM	WOOD	WHITE	1 ft²
H - __ - P - 08 - 49565	mg/cm²				ft²
H - __ - P - 09 - 49565	mg/cm²				ft²
H - __ - P - 10 - 49565	mg/cm²				ft²
H - __ - P - 11 - 49565	mg/cm²				ft²
H - __ - P - 12 - 49565	mg/cm²				ft²
G - E - P - 1 - 49565	NEG mg/cm²	BLOCK	CONC.	WHITE	1 ft²
G - E - P - 2 - 49565	NEG mg/cm²	DOOR	WOOD	WHITE	1 ft²
G - E - P - 3 - 49565	NEG mg/cm²	DOOR/Trim	WOOD	WHITE	1 ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²
__ - __ - P - __ - 49565	mg/cm²				ft²

044701 01 23

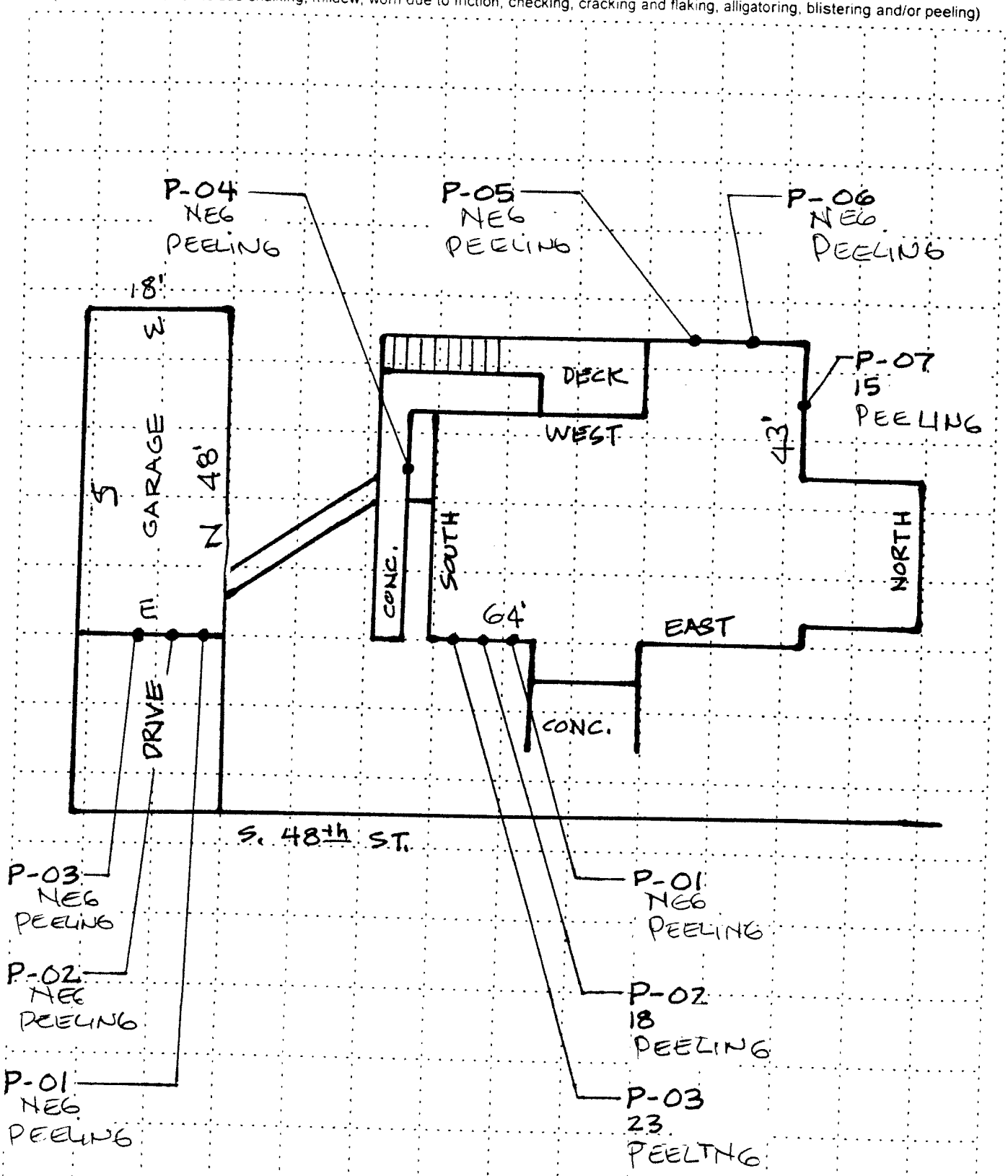
49565

Owner Name: HELEN C RANDALL
Address: 204 S 48 ST
Phone: H: W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

49565

Owner Name: HELEN C RANDALL
Address: 204 S 48 ST
Phone: H: W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

HOUSE

Surface Painted Area North = 170 ft2
South = 250 ft2
East = 250 ft2
West = 350 ft2
Total Surface Painted Area = 1020 ft2

GARAGE

Surface Painted Area North = Ø ft2
South = Ø ft2
East = 220 ft2
West = Ø ft2
Total Surface Painted Area = 220 ft2

047401 0123

49643

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X Pamela J. Ehlinger
(Please Print Name)

X Pamela J. Ehlinger
(Property Owner Signature)

X 11-30-05
(date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: SAME ☒ owner ☐ renter

Residence Address: 4601 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by JOHN J EHLINGER

Owner's mailing address: 4601 DAVENPORT ST, OMAHA, NE 68132

Owner's telephone number - Home: 558-0757 Work:

Age of home? 70+ years How long have you lived here? 10 years

Has the exterior been painted or covered with siding since 1978? ☑ Yes ☐ No

Has the interior been painted or covered since 1978? ☑ Yes ☐ No

Total number of occupants: 3 List Ages: 40's 10

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

Comments: + DZ STUDY

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 8 10 05 2:21 MSW/KS Second: 11.30.05 9:10 AM AT SIGNED Third:

Black & Veatch Special Projects Corp.

Omaha Lead Site

FB 121

46130.0103

49643

Owner Name: JOHN J EHLINGER
Address: 4601 DAVENPORT ST
Phone: H: 558-0757 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [ ] Good
- [ ] Poor
- [x] Not paint

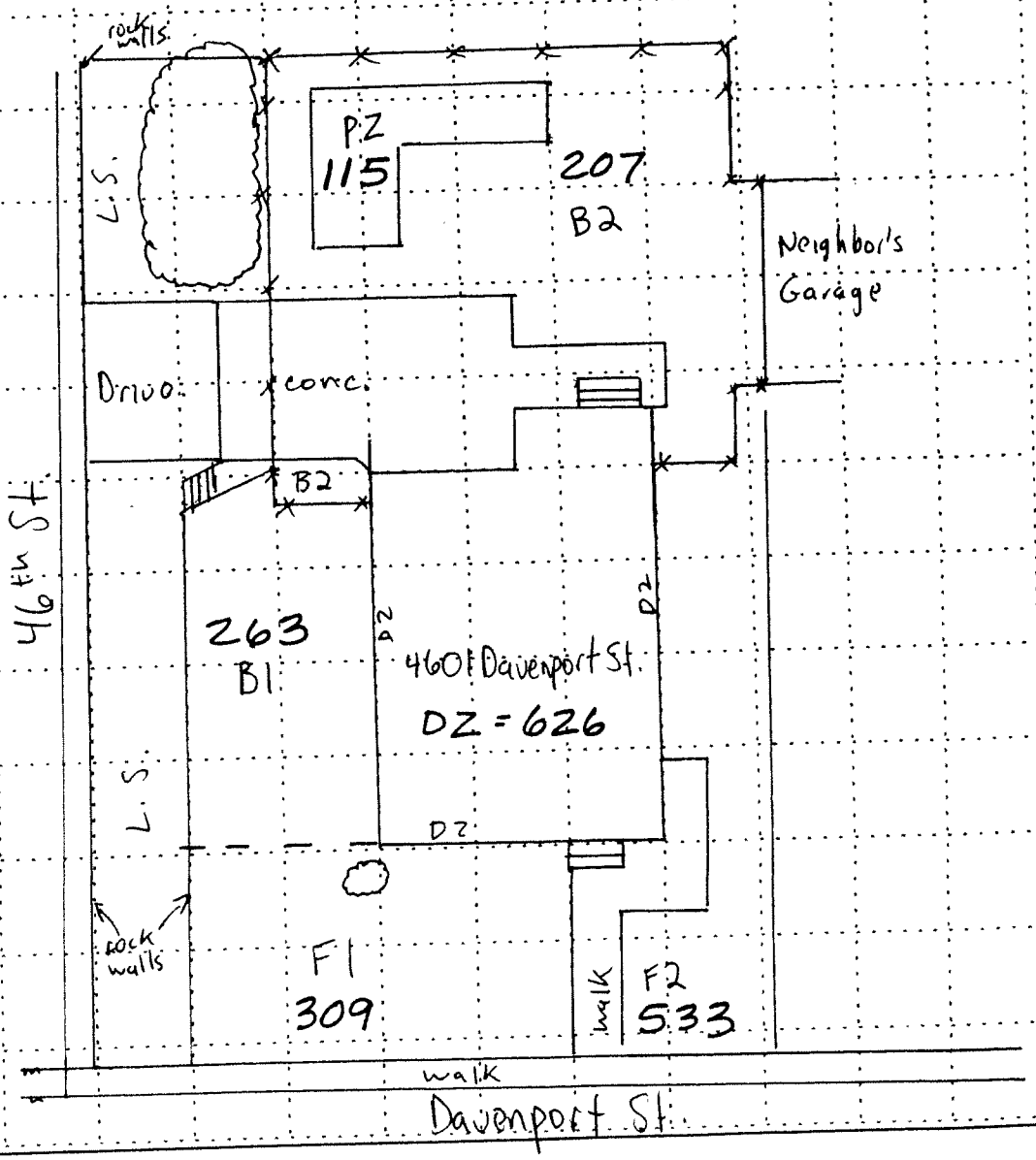
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49643	F1	309 ppm	☑	☐
RYBSCPXA-49643	F2	533 ppm	☑	☐
RYCSCPXA-49643	B1	263 ppm	☑	☐
RYDSCPXA-49643	B2	207 ppm	☑	☐
RDZSCPXA-49643	DZ	626 ppm	☑	☐
~~RGZSCPXA-49643~~	~~GZ~~	- ppm	☐	☐
RPZSCPXA-49643	PZ "M"	115 ppm	☑	☐
		Number of Samples =	6	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/21/05
Time: 12:35

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-5-06
Time: AM
Staff: LA

ENTERED
JAN 0 3 2006



46130

Omaha Lead Site Drip Zone Study

BVID: 49643

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-5-06 Time: AM	Samples: _____
Staff: _____	Staff: L.A.	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-49643		1413	☐
DZ 02-E-49643		823	☐
DZ 03-E-49643		797	☐
DZ 04-E-49643		2134	☐
DZ 05-E-49643		868	☐
DZ 06-E-49643		661	☐
DZ 07-E-49643		1047	☐
DZ 08-E-49643		1248	☑
DZ 09-E-49643		1652	☐
DZ 10-E-49643		1368	☐
DZ 11-E-49643		666	☐
DZ 12-E-49643		600	☐
DZ 13-E-49643		575	☐
DZ 14-E-49643		439	☐
DZ 15-E-49643		455	☐
DZ 16-E-49643		369	☐
DZ 17-E-49643		341	☐
DZ 18-E-49643		228	☐
DZ 19-E-49643		300	☐
DZ 20-E-49643		287	
DZ ~~20~~ 21-E-49643		239	☐
# of Samples:		20	1

Lab Result: DZ08-EL-49643 1180 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-49643		507	☐
DZ 02-N-49643		408	☐
DZ 03-N-49643		601	☐
DZ 04-N-49643		537	☐
DZ 05-N-49643		500	☐
DZ 06-N-49643		586	☐
~~DZ 07-~~		-	☐
~~DZ 08-~~		-	☐
DZ 09-N-49643		594	☐
DZ 10-N-49643		397	☐
DZ 11-N-49643		447	☐
DZ 12-N-49643		421	☐
DZ 13-N-49643		486	☐
DZ 14-N-49643		343	☐
DZ 15-N-49643		434	☐
DZ 16-N-49643		313	☑
DZ 17-N-49643		305	☐
DZ 18-N-49643		202	☐
DZ 19-N-49643		196	☐
DZ 20-N-49643		308	
DZ 20-N-49643		275	☐
# of Samples:		18	1

Lab Result: DZ16-NL-49643 276 ppm

Rev 0.9a2

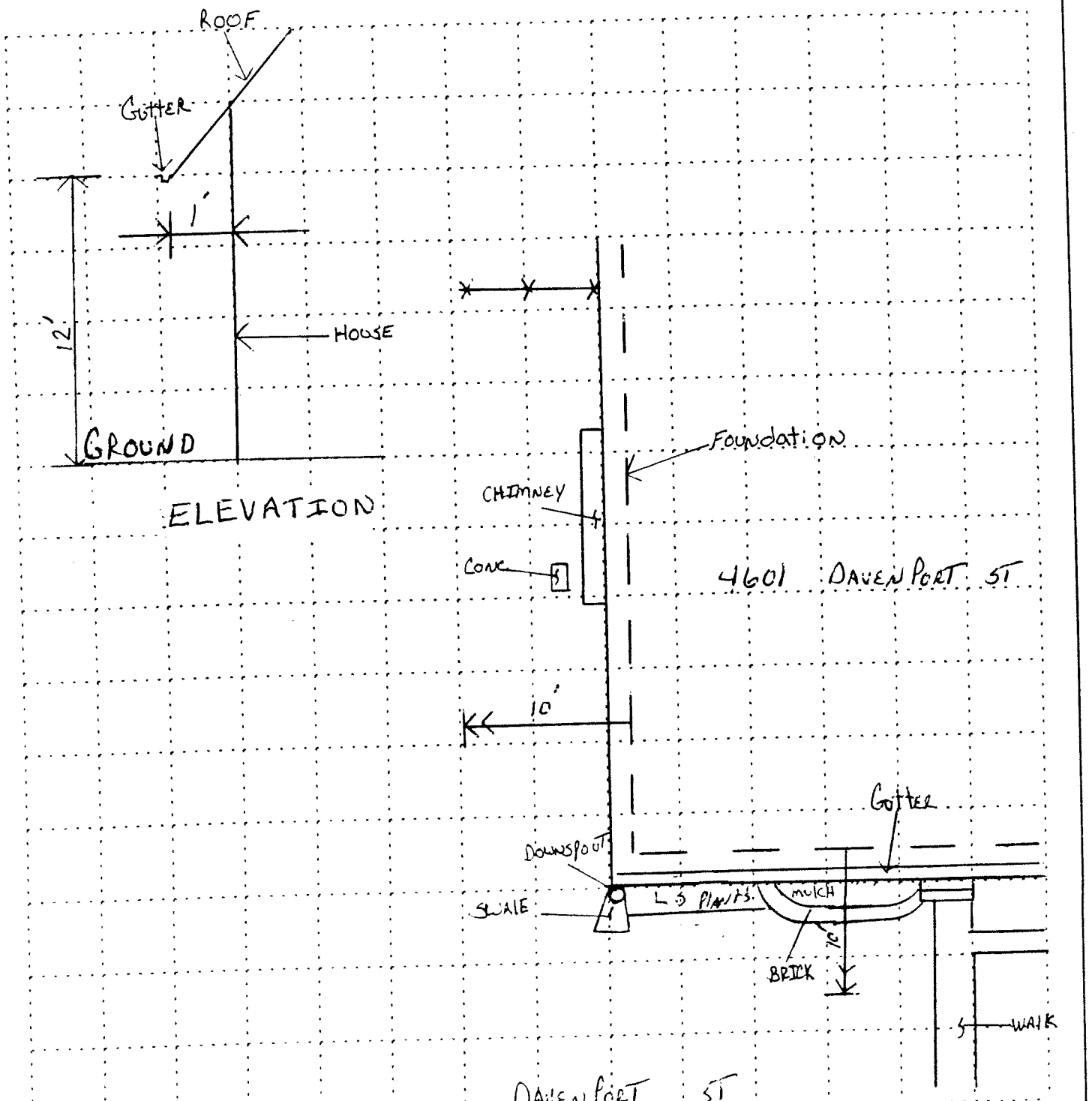
044701 01 23

BVID: 49643

Owner Name: JOHN EHLINGER Address: 4601 DAVENPORT ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



046141.0123

49643

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-30-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ Owner Occupied? ☐ Yes ☐ No

Resident Address: 4601 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: JOHN J EHLINGER

Owner address: 4601 DAVENPORT ST, OMAHA, NE 68132

Owner's telephone number - Home: 402-558-0757 Work: _____

Age of home: _____ years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House 99% vinyl siding, 1% painted including porch steps, door, foundation lattice, & window trim. Garage w/ painted concrete on E side, other sides are underground

Description of conditions which could contribute to paint deterioration: none

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: _____ Second: _____ Third: _____

Omaha Lead Site LBP Assessment

49643

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/21/05 Time: 1:00
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-N-P-01-49643	NEG mg/cm²	DOOR	WOOD	GREEN	2 ft²
H-N-P-02-49643	NEG mg/cm²	PORCH/STEP	WOOD	GREEN	15 ft²
H-N-P-03-49643	NEG mg/cm²	PLANTER	WOOD	GREEN	1 ft²
H-E-P-04-49643	NEG mg/cm²	FOUNDATION/LATTICE	WOOD	WHITE	4 ft²
H-E-P-05-49643	3 mg/cm²	CHIMNEY	CONC.	GREY	4 ft²
H-E-P-06-49643	6 mg/cm²	WINDOW/TRIM	WOOD	WHITE	7 ft²
H-S-P-07-49643	5 mg/cm²	WINDOW/TRIM	WOOD	WHITE	10 ft²
H-__-P-08-49643	mg/cm²				ft²
H-__-P-09-49643	mg/cm²				ft²
H-__-P-10-49643	mg/cm²				ft²
H-__-P-11-49643	mg/cm²				ft²
H-__-P-12-49643	mg/cm²				ft²
G-E-P-1-49643	NEG mg/cm²	BLOCK	CONC.	GREY	12 ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²
__-__-P-__-49643	mg/cm²				ft²

044701 01 23

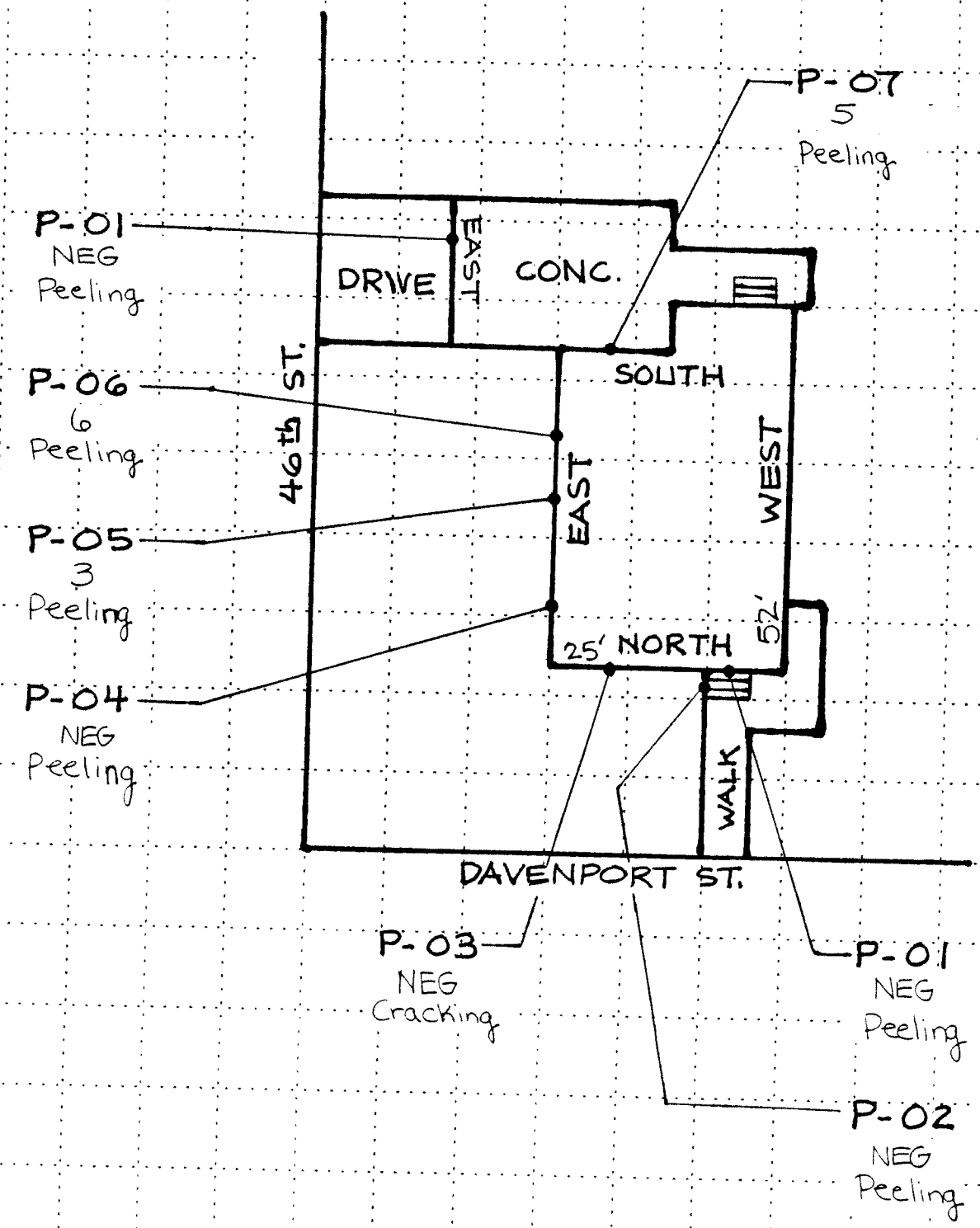
49643

Owner Name: JOHN J EHLINGER
Address: 4601 DAVENPORT ST
Phone: H: 402-558-0757 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

49643

Owner Name: JOHN J EHLINGER
Address: 4601 DAVENPORT ST
Phone: H: 402-558-0757 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area
HOUSE

North = 40 ft2
South = 30 ft2
East = 20 ft2
West = 15 ft2
Total Surface Painted Area = 105 ft2

Surface Painted Area
GARAGE

North = 0 ft2
South = 0 ft2
East = 70 ft2
West = 0 ft2
Total Surface Painted Area = 70 ft2

047401 0123

Omaha Lead Site Drip Zone Study

BVID: 49766

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-11-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-49766		64	☐
DZ 02-E-49766		63	☐
DZ 03-E-49766		52	☐
~~DZ 04-E-49766~~		–	☐
~~DZ 05-E-49766~~		–	☐
~~DZ 06-E-49766~~		–	☐
~~DZ 07-~~		–	☐
DZ 08-E-49766		275	☑
DZ 09-E-49766		276	☐
DZ 10-E-49766		262	☐
DZ 11-E-49766		307	☐
DZ 12-E-49766		242	☐
DZ 13-E-49766		259	☐
DZ 14-E-49766		283	☐
DZ 15-E-49766		308	☐
DZ 16-E-49766		237	☐
DZ 17-E-49766		276	☐
DZ 18-E-49766		247	☐
DZ 19-E-49766		257	☐
DZ 20-E-49766		245	
DZ 20-E-49766		282	☐
# of Samples:		16	1

Lab Result: DZ08-EL-49766 820 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N-49766		88	☐
DZ 02-N-49766		91	☐
DZ 03-N-49766		70	☐
DZ 04-N-49766		62	☐
DZ 05-N-49766		72	☐
DZ 06-N-49766		93	☐
DZ 07-N-49766		104	☐
DZ 08-N-49766		143	☐
DZ 09-N-49766		115	☐
DZ 10-N-49766		96	☐
DZ 11-N-49766		71	☐
DZ 12-N-49766		48	☐
DZ 13-N-49766		47	☐
DZ 14-N-49766		53	☐
DZ 15-N-49766		66	☐
DZ 16-N-49766		55	☐
DZ 17-N-49766		74	☐
DZ 18-N-49766		66	☑
DZ 19-N-49766		58	☐
DZ 20-N-49766		67	
DZ ~~20~~ 21-N-49766		75	☐
# of Samples:		20	1

Lab Result: DZ18-NL-49766 51.8 ppm

Rev 0 9a2

044701.01.23

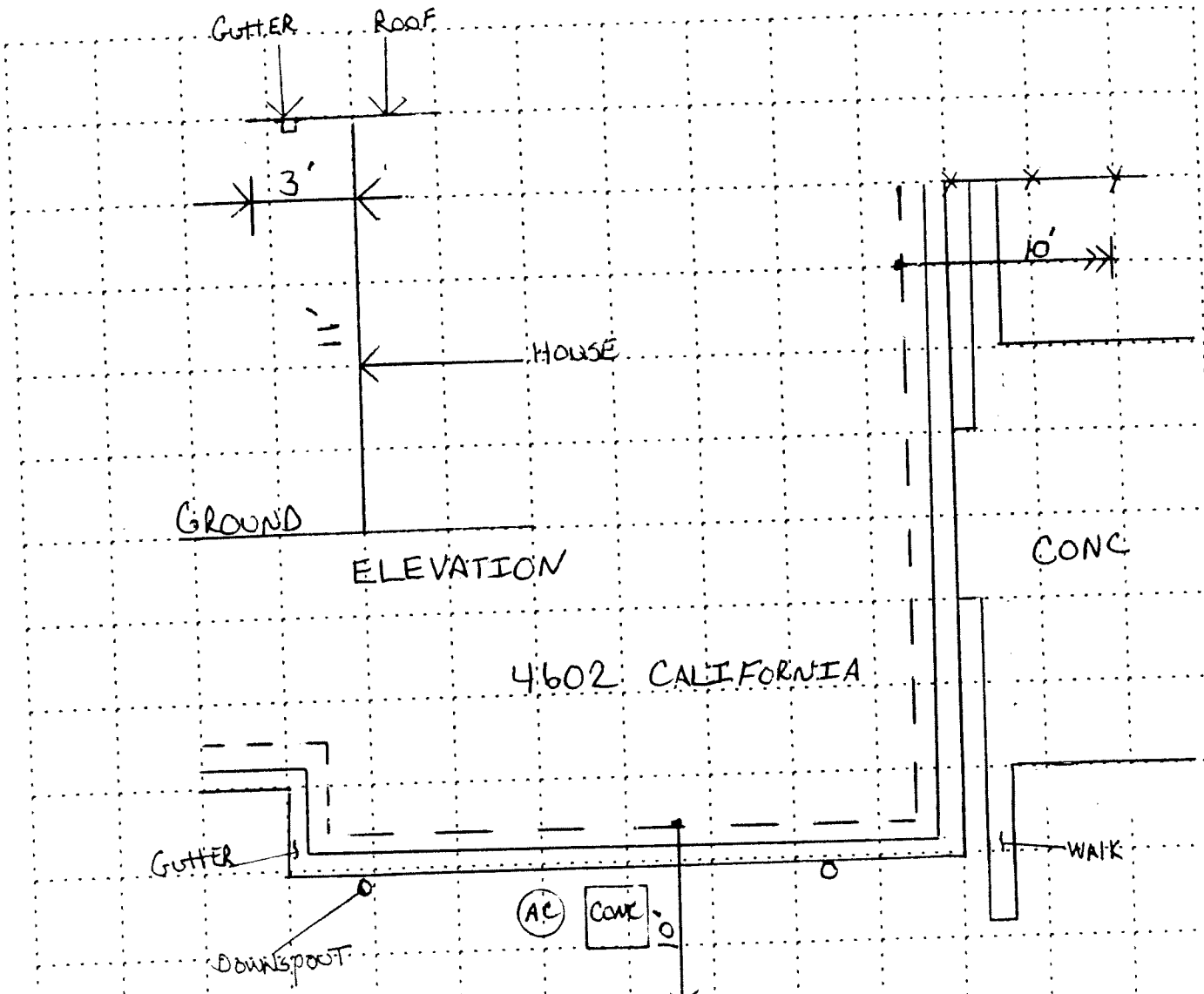
BVID: 49766

Owner Name: DONALD G. HOTTE JR Address: 4602 CALIFORNIA ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint

North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 3', 11', 1 story
C. yes
D. PAINT
E. Bare ground
F. NORTH + WEST
G. TAKEN

49766

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By Don Gillotte Jr. (Please Print Name)

Don Gillotte (property Owner Signature) 12-6-05 (date)

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: Same ☒ owner ☐ renter

Residence Address: 4602 CALIFORNIA ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by DONALD GILLOTTE JR

Owner's mailing address: 3320 CALIFORNIA #10, OMAHA, NE 68131

Owner's telephone number - Home: 402 - 932 - 4105 (932 - 4105) Work: —

Age of home? 48 years How long have you lived here? 4 years

Has the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: 2 List Ages: adults

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: 0

Comments:

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: 08-15-05 10:10AM MSW / KS Second: ~~8/27/05~~ 8/27/05 3:05 MSW Third: 10/24/05 1:27 MSW

12-6-05 1:54 MSW

FR 121

49766

Owner Name: DONALD GILLOTTE JR
Address: 4602 CALIFORNIA ST
Phone: H: 932-4105 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

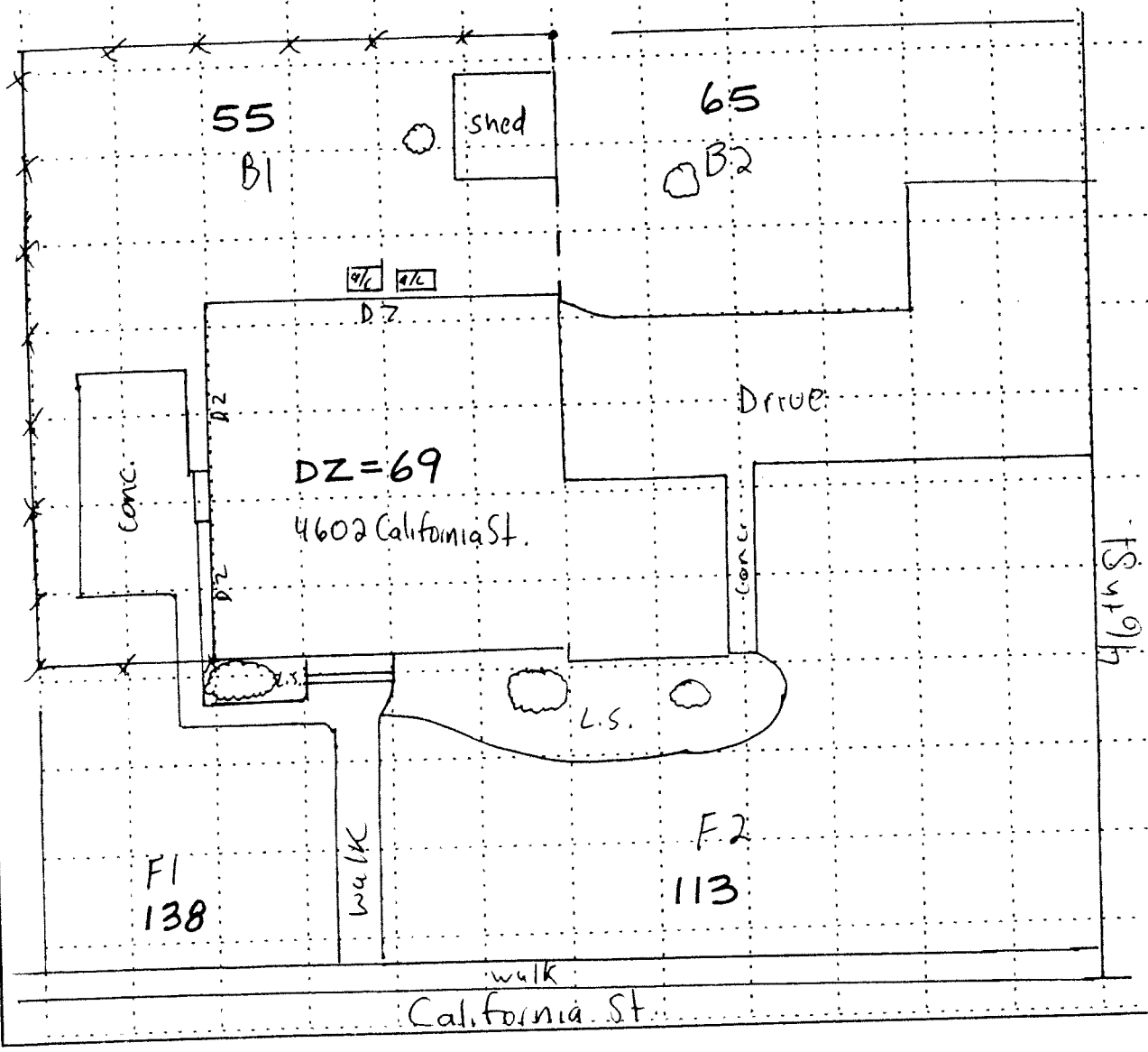
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49766	F1	138 ppm	[x]	[ ]
RYBSCPXA-49766	F2	113 ppm	[x]	[ ]
RYCSCPXA-49766	B1	55 ppm	[x]	[ ]
RYDSCPXA-49766	B2	65 ppm	[x]	[ ]
RDZSCPXA-49766	DZ	69 ppm	[x]	[ ]
~~RGZSCPXA-49766~~	~~GZ~~	– ppm	[ ]	[ ]
~~RPZSCPXA-49766~~	~~PZ~~	– ppm	[ ]	[ ]
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/21/05
Time: 10:10

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-11-06
Time: PM
Staff: LA

ENTERED
JAN 0 3 2006



49766

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12-6-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☐ No

Resident Address: 4602 CALIFORNIA ST

OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: DONALD GILLOTTE JR

Owner address: 4602 CALIFORNIA ST, OMAHA, NE 68132

Owner's telephone number - Home: 402-932-4105 Work:

Age of home: 49 years Paint Condition: ☑ < 10 ft² Deteriorated ☐ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) House-wood siding-100% painted, Shed-wood siding-100% painted,

Description of conditions which could contribute to paint deterioration: None.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

49766

LEGEND: H - N - P - 01 - 12345

- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139

Date: 12/21/05 Time: 10:35

Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-S-P-01-49766	NEG mg/cm²	WINDOW	WOOD	WHITE	1 ft²
H-S-P-02-49766	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-W-P-03-49766	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-W-P-04-49766	1 mg/cm²	WINDOW	WOOD	WHITE	1 ft²
H-N-P-05-49766	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-N-P-06-49766	NEG mg/cm²	FOUNDATION	CONC.	WHITE	1 ft²
H-E-P-07-49766	NEG mg/cm²	SIDING	WOOD	WHITE	2 ft²
H-__-P-08-49766	mg/cm²				ft²
H-__-P-09-49766	mg/cm²				ft²
H-__-P-10-49766	mg/cm²				ft²
H-__-P-11-49766	mg/cm²				ft²
H-__-P-12-49766	mg/cm²				ft²
S-S-P-1-49766	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²
__-__-P-__-49766	mg/cm²				ft²

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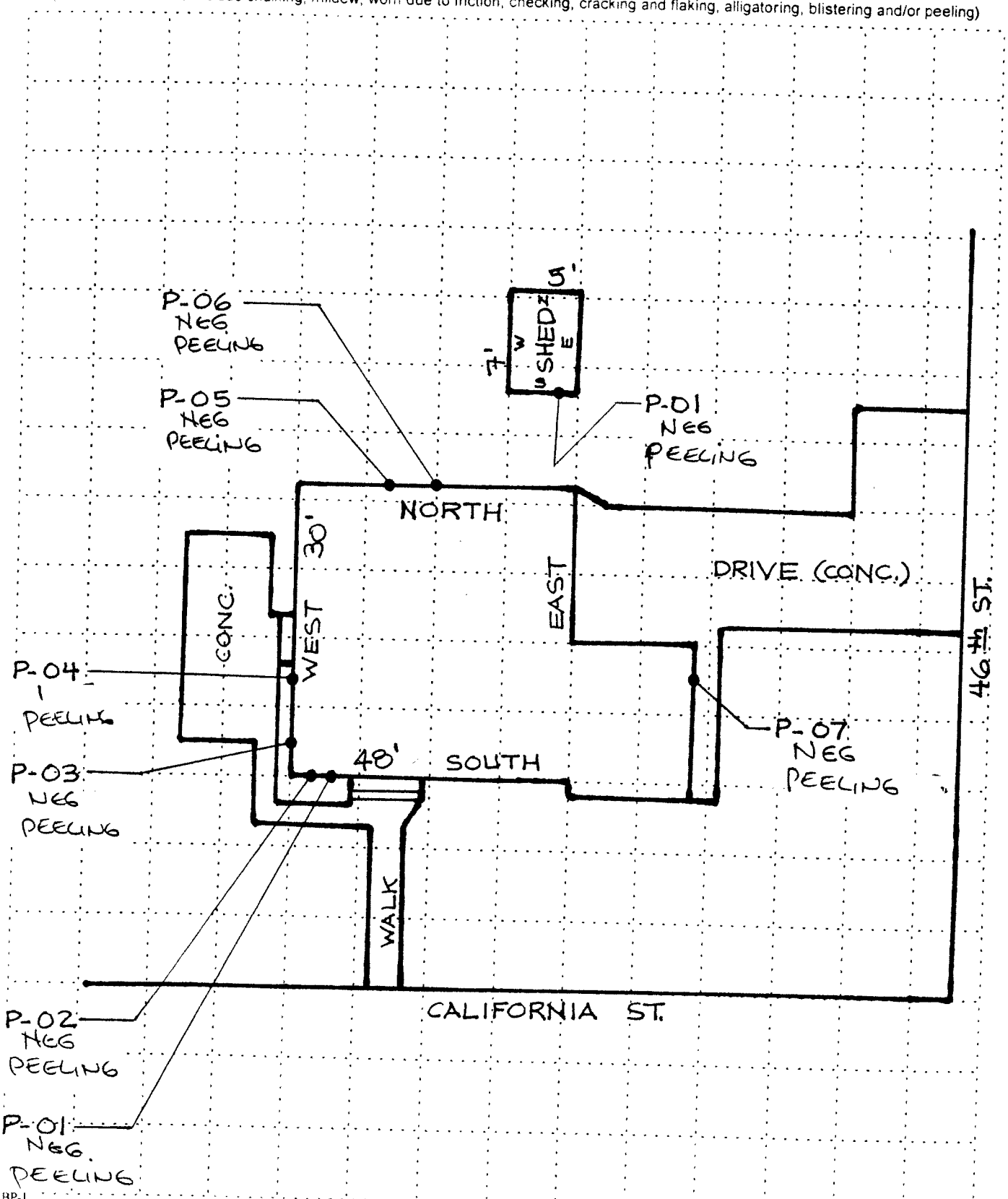
49766

Owner Name: DONALD GILLOTTE JR
Address: 4602 CALIFORNIA ST
Phone: H: 402-932-4105 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

49766

Owner Name: DONALD GILLOTTE JR
Address: 4602 CALIFORNIA ST
Phone: H: 402-932-4105 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area
HOUSE

North = 580 ft2
South = 960 ft2
East = 360 ft2
West = 600 ft2
Total Surface Painted Area = 2500 ft2

Surface Painted Area
SHED

North = 40 ft2
South = 40 ft2
East = 60 ft2
West = 60 ft2
Total Surface Painted Area = 200 ft2

047401 0123

Omaha Lead Site Drip Zone Study

BVID: 49864

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-6-06 Time: AM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E - 49864		1565	☐
DZ 02-E - 49864		1471	☐
DZ 03-E - 49864		2590	☐
DZ 04-E - 49864		2624	☐
DZ 05-E - 49864		1991	☐
DZ 06-E - 49864		1526	☐
DZ 07-E - 49864		966	☐
DZ 08-E - 49864		741	☐
DZ 09-E - 49864		855	☐
DZ 10-E - 49864		849	☐
DZ 11-E - 49864		872	☐
DZ 12-E - 49864		777	☐
DZ 13-E - 49864		892	☐
DZ 14-E - 49864		826	☐
DZ 15-E - 49864		796	☐
DZ 16-E - 49864		754	☐
DZ 17-E - 49864		607	☐
DZ 18-E - 49864		519	☐
DZ 19-E - 49864		477	☑
DZ 20-E - 49864		455	
DZ ~~20~~ 21-E - 49864		583	☐
# of Samples:		20	1

Lab Result: DZ19-EL-49864 437 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-N - 49864		1253	☐
DZ 02-N - 49864		1033	☐
DZ 03-N - 49864		946	☐
DZ 04-N - 49864		816	☐
DZ 05-N - 49864		753	☐
DZ 06-N - 49864		532	☐
DZ 07-N - 49864		528	☐
DZ 08-N - 49864		442	☐
DZ 09-N - 49864		415	☐
DZ 10-N - 49864		462	☐
DZ 11-N - 49864		394	☑
DZ 12-N - 49864		330	☐
DZ 13-N - 49864		282	☐
DZ 14-N - 49864		250	☐
DZ 15-N - 49864		232	☐
DZ 16-N - 49864		223	☐
DZ 17-N - 49864		182	☐
DZ 18-N - 49864		184	☐
DZ 19-N - 49864		178	☐
DZ 20-N - 49864		167	
DZ ~~20~~ 21-N - 49864		159	☐
# of Samples:		20	1

Lab Result: DZ11-NL-49864 356 ppm

Rev 0.9a2

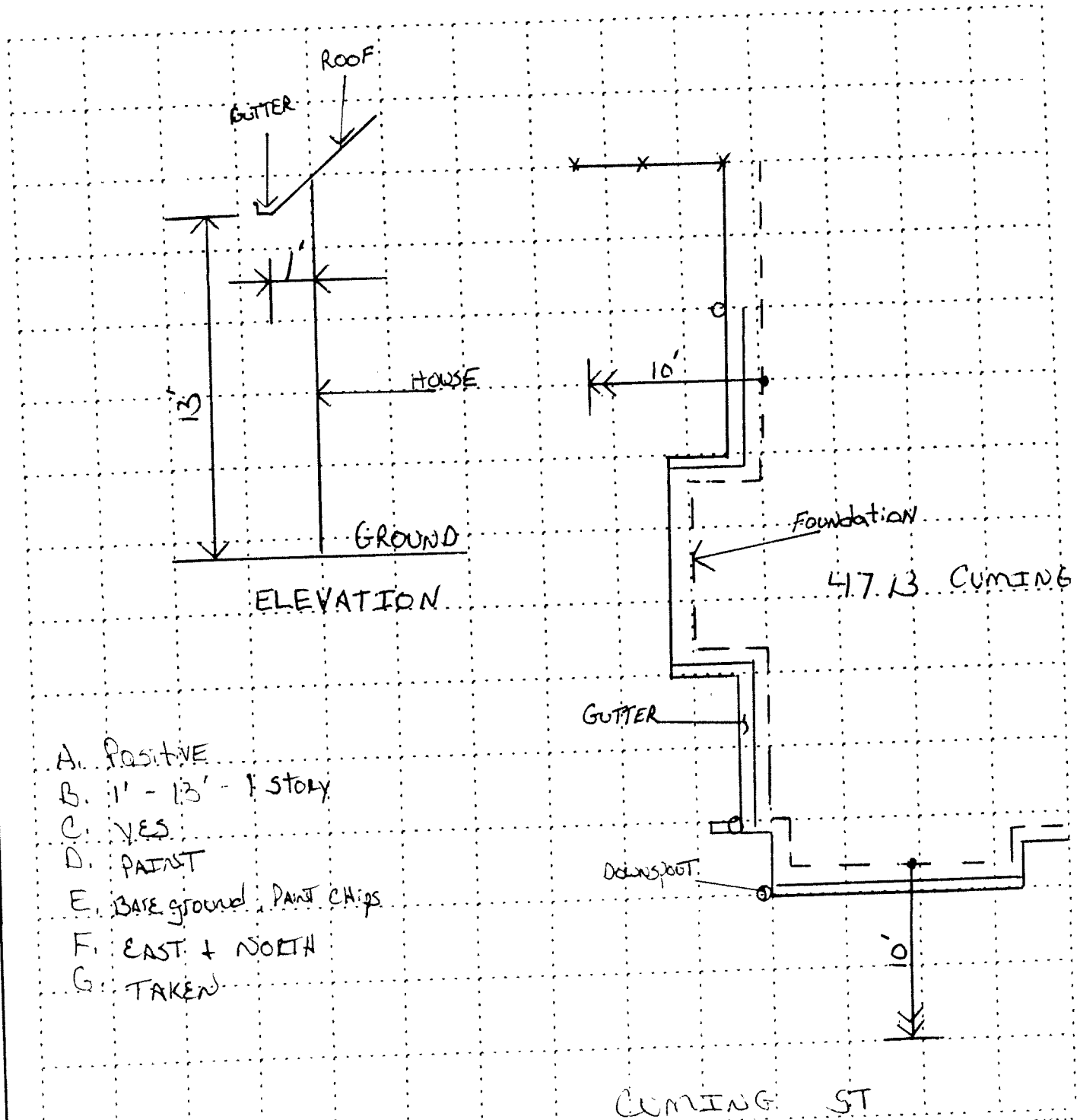
044701 01.23

BVID: 49864

Owner Name: JOSE LAVEGA Address: 4713 CUMING ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☑ Good ☐ Poor ☐ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. Positive
B. 1' - 13' - 1 story
C. YES
D. PAINT
E. Bare ground, Paint chips
F. EAST + NORTH
G. TAKEN

046141.0123

49864

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

ıck & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to sist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your operation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling alysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or bbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X José Luis De la Vega
(Please Print Name)

(property Owner Signature)

X November 30th, 2005
(date)

TE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

sident Name: ☐ owner ☒ renter

sidence Address: 4713 Cuming St Omaha
(CITY) (STATE) (ZIP)

ıperty owned by Jose Lavega

ner's mailing address: P.O. Box 31453 - Omaha, NE 68131

ner's telephone number - Home: 402-559-0363 Work: 402-306-1212

e of home? 107 years How long have you lived here? Ø years

s the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

s the interior been painted or covered since 1978? ☒ Yes ☐ No

al number of occupants: X 3 List Ages: X 20, 20, 20

ages of occupants under 6 years old who play in the yard for 5 or more hours per week:

nments:

IORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

ıctivities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the rty for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any nse action under this title, or otherwise enforcing the provisions of this title."

ss Attempts:

Second: Third:

49864

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

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Property Access Granted By _____
(Please Print Name)

_____ _____
(property Owner Signature) *(date)*

NOTE: Granting permision DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 4713 CUMING ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by JOSE D LAVEGA

Owner's mailing address: P O BOX 31453, OMAHA, NE 68131

Owner's telephone number - Home: 306. 1212 Work: _____

Age of home? 107 years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: _____

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

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Access Attempts: Letter sent:

First: MT 11.30.05 10:00 AM Second: MT 12.1.05 10:00 AM Third: _____

SIGNED MT

49864

Owner Name: JOSE D LAVEGA
Address: 4713 CUMING ST
Phone: H: 559-0363 W:

Omaha Lead Site Site Sketch

Exterior Paint
- [x] Good
- [ ] Poor
- [ ] Not paint

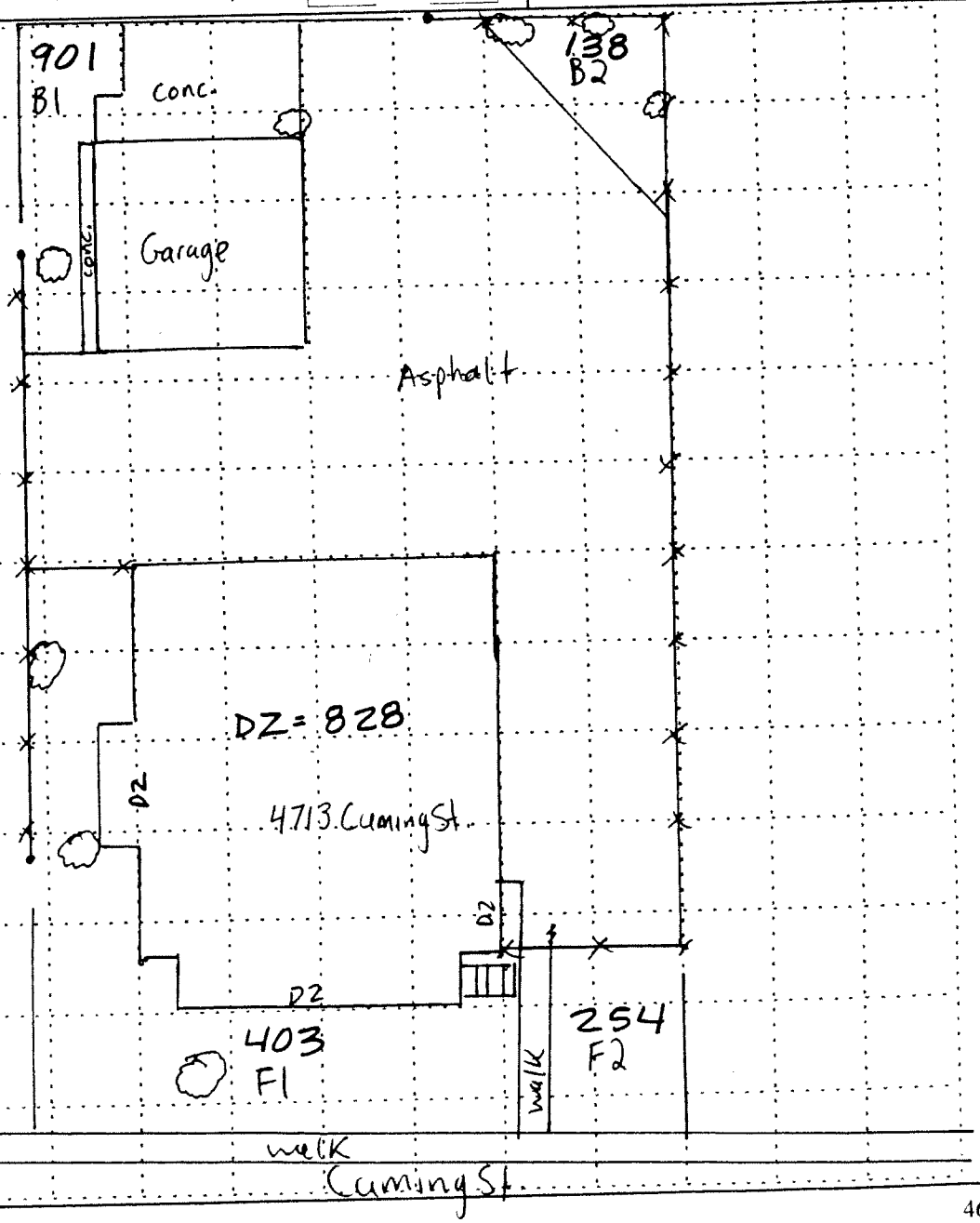
North Arrow

Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-49864	F1	403 ppm	[x]	[ ]
RYBSCPXA-49864	F2	254 ppm	[x]	[ ]
RYCSCPXA-49864	B1	901 ppm	[x]	[ ]
RYDSCPXA-49864	B2	138 ppm	[x]	[ ]
RDZSCPXA-49864	DZ	828 ppm	[x]	[ ]
~~RGZSCPXA-49864~~	~~GZ~~	- ppm	[ ]	[ ]
~~RPZSCPXA-49864~~	~~PZ~~	- ppm	[ ]	[ ]
Number of Samples =			5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/21/05
Time: 2:10

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-6-06
Time: AM
Staff: LA

ENTERED
JAN 03 2006



46130

49864

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

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Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

11-30-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☑ No

Resident Address: 4713 CUMING ST

OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: JOSE LUIS DELAVEGA

Owner address: P O BOX 31453, OMAHA, NE 68131

Owner's telephone number - Home: 402-559-0363 Work: 402-306-1212

Age of home: ____ years Paint Condition: ☑ < 10 ft² Deteriorated ☐ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted)
House - wood siding - 100% painted.
Garage - vinyl siding - 90%, 10% painted window/door trim, soffit + fascia.

Description of conditions which could contribute to paint deterioration: The foundation of the northeast side is cracked.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

49864

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/21/05 Time: 2:35
Staff: MES-A.H. / J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-N-P-01-49864	NEG mg/cm²	LATTICE	WOOD	WHITE	.1 ft²
H-N-P-02-49864	8 mg/cm²	TRIM	WOOD	BLUE	2 ft²
H-N-P-03-49864	NEG mg/cm²	SIDING	WOOD	WHITE	1 ft²
H-E-P-04-49864	NEG mg/cm²	WINDOW	WOOD	BLUE	1 ft²
H-E-P-05-49864	NEG mg/cm²	FOUNDATION	CONC.	WHITE	1 ft²
H-E-P-06-49864	NEG mg/cm²	DOOR	WOOD	WHITE	1 ft²
H-S-P-07-49864	NEG mg/cm²	TRIM	WOOD	WHITE	2 ft²
H-W-P-08-49864	NEG mg/cm²	COLUMN	WOOD	PURPLE	2 ft²
H-W-P-09-49864	NEG mg/cm²	BOARDED WINDOW	WOOD	WHITE	2 ft²
H-__-P-10-49864	mg/cm²				ft²
H-__-P-11-49864	mg/cm²				ft²
H-__-P-12-49864	mg/cm²				ft²
G-N-P-1-49864	NEG mg/cm²	WINDOW	WOOD	GREY	1 ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²
__-__-P-__-49864	mg/cm²				ft²

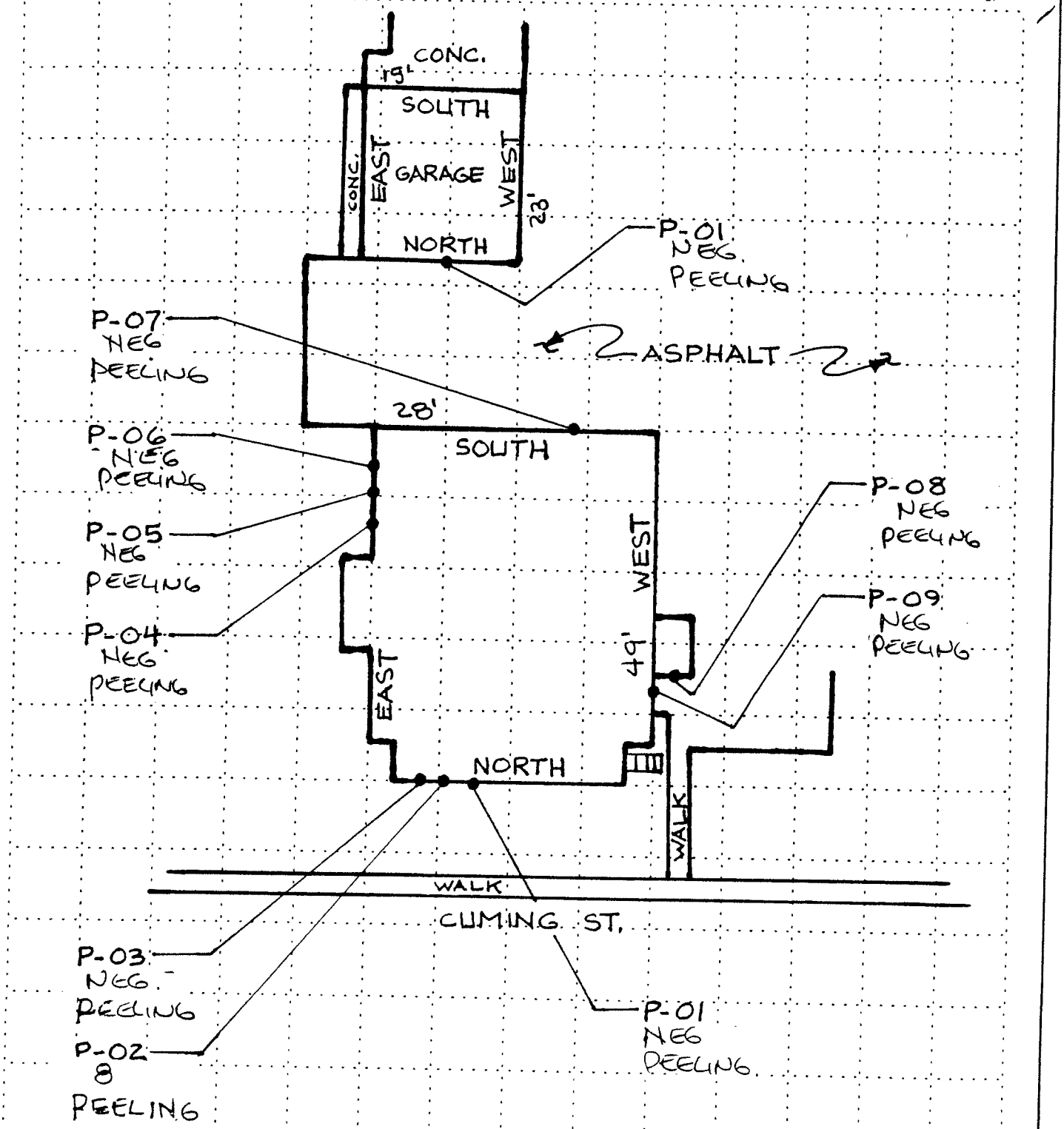
49864

Owner Name: JOSE LUIS DELAVEGA
Address: 4713 CUMING ST
Phone: H: 402-559-0363 W: 402-306-1212

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

044701 0123

49864

Omaha Lead Site
LBP Assessment

North Arrow

Owner Name: JOSE LUIS DELAVEGA
Address: 4713 CUMING ST
Phone: H: 402-559-0363 W: 402-306-1212

Additional Notes

HOUSE

Surface Painted Area North = 700 ft2
South = 700 ft2
East = 1030 ft2
West = 980 ft2
Total Surface Painted Area = 3410 ft2

GARAGE

Surface Painted Area North = 40 ft2
South = 30 ft2
East = 70 ft2
West = 70 ft2
Total Surface Painted Area = 210 ft2

047401.0123

Omaha Lead Site Drip Zone Study

BVID: 52373

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-5-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-W-52373		827	☐
DZ 02-W-52373		616	☐
DZ 03-W-52373		1030	☑
DZ 04-W-52373		499	☐
DZ 05-W-52373		367	☐
DZ 06-W-52373		306	☐
DZ 07-W-52373		286	☐
DZ 08-W-52373		256	☐
DZ 09-W-52373		220	☐
DZ 10-W-52373		213	☐
DZ 11-W-52373		149	☐
DZ 12-W-52373		127	☐
DZ 13-W-52373		111	☐
DZ 14-W-52373		80	☐
DZ 15-W-52373		127	☐
DZ 16-W-52373		136	☐
DZ 17-W-52373		124	☐
DZ 18-W-52373		127	☐
DZ 19-W-52373		137	☐
DZ 20-W-52373		121	
DZ 20-W-52373		145	☐
# of Samples:		20	1

Lab Result: DZ03-WL-52373 1090 ppm

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-52373		964	☐
DZ 02-S-52373		1015	☐
DZ 03-S-52373		1180	☐
DZ 04-S-52373		816	☐
DZ 05-S-52373		719	☐
DZ 06-S-52373		520	☐
DZ 07-S-52373		582	☐
DZ 08-S-52373		504	☐
DZ 09-S-52373		484	☐
DZ 10-S-52373		401	☐
DZ 11-S-52373		327	☐
DZ 12-S-52373		255	☐
DZ 13-S-52373		287	☑
DZ 14-S-52373		199	☐
DZ 15-S-52373		254	☐
DZ 16-S-52373		223	☐
DZ 17-S-52373		169	☐
DZ 18-S-52373		205	☐
DZ 19-S-52373		200	☐
DZ 20-S-52373		194	
DZ 20-S-52373		144	☐
# of Samples:		20	1

Lab Result: DZ13-SL-52373 377 ppm

Rev 0.9α2

044701 01 23

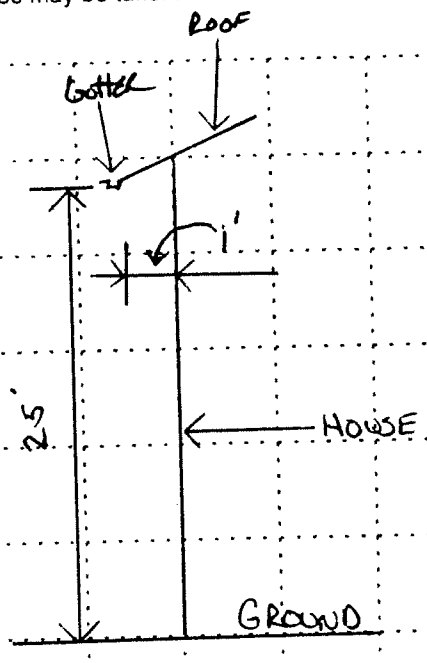
BVID: 52373

Owner Name: WALTER DUDA Address: 4724 DAVENPORT ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

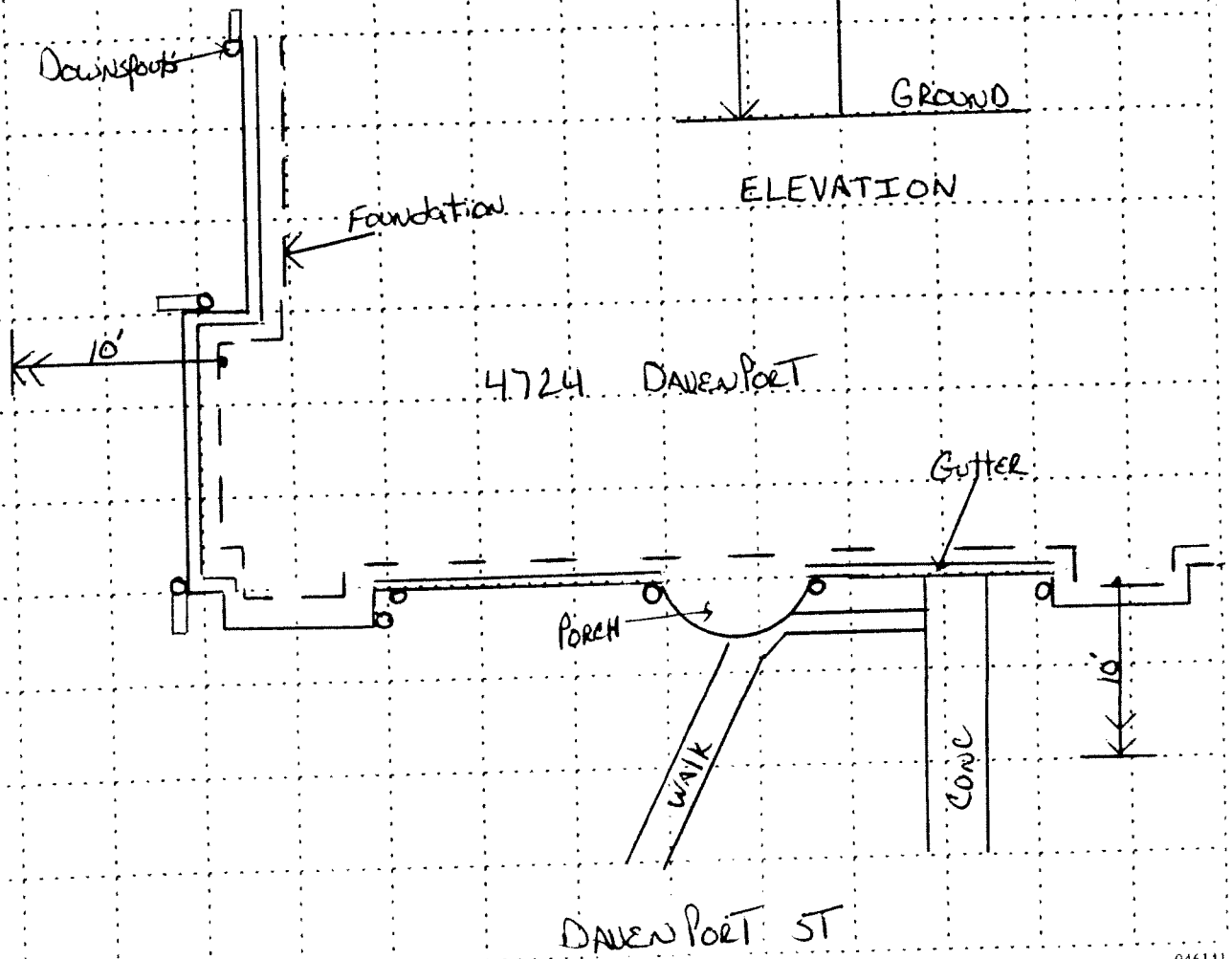
Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.

A. POSITIVE
B. - 25' - 2 STORY
C. YES
D. BRICK
E. BARE GROUND
F. SOUTH & WEST
G. TAKEN



ELEVATION



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Rev 4

52373

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS (to be completed by property owner)

Para recibir esta forma en español por favor llame Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By THE DUDA COMPANY, OWNER
DUDA REALTY COMPANY, AGENT
(Please Print Name)

Walter Duda
(property Owner Signature)

12/14/2005
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: ☐ owner ☐ renter

Residence Address: 4724 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by WALTER DUDA

Owner's mailing address: C/O DUDA CO 617 S 37 ST, OMAHA, NE 68105

Owner's telephone number - Home: 402-341-4451 Work:

Age of home? years How long have you lived here? ____ years

Has the exterior been painted or covered with siding since 1978? ☒ Yes ☐ No

Has the interior been painted or covered since 1978? ☒ Yes ☐ No

Total number of occupants: 22 List Ages: Adults

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: 0

Comments: 18 unit apartment building

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: Second: Third:

52373

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By _____ (Please Print Name)

_____ *(property Owner Signature)* 12/14/05 *(date)*

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 4724 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by WALTER DUDA

Owner's mailing address: C/O DUDA CO 617 S 37 ST, OMAHA, NE 68105

Owner's telephone number - Home: 402-341-4451 Work: _____

Age of home? _____ years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: 18 unit apartment building

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent:

First: _____ Second: _____ Third: _____

52373

Owner Name: WALTER DUDA
Address: 4724 DAVENPORT ST
Phone: H: 341-4451 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

North Arrow: N

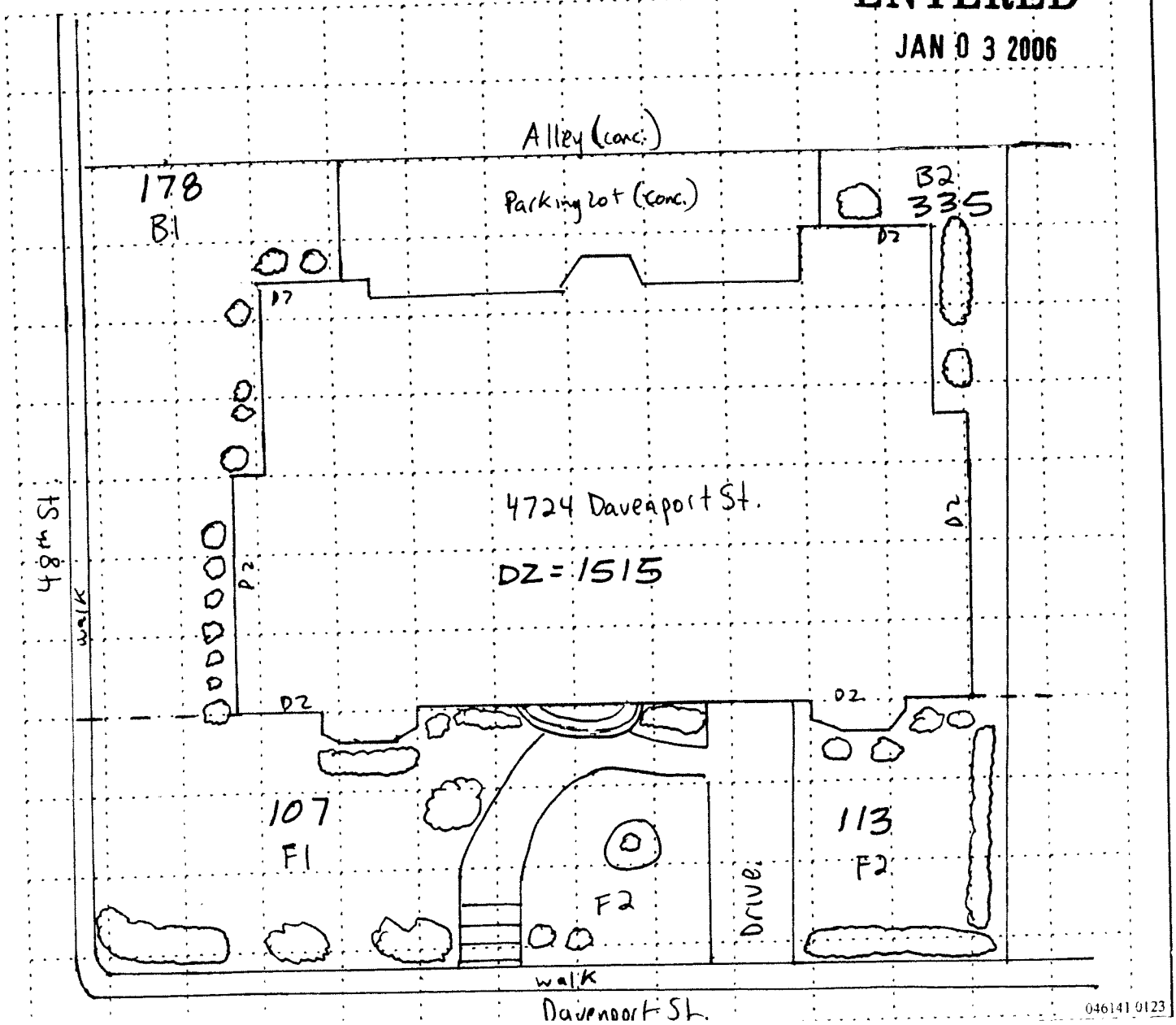
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-52373	F1	107 ppm	☑	☐
RYBSCPXA-52373	F2	113 ppm	☑	☐
RYCSCPXA-52373	B1	178 ppm	☑	☐
RYDSCPXA-52373	B2	335 ppm	☑	☐
RDZSCPXA-52373	DZ	1515 ppm	☑	☐
~~RGZSCPXA-52373~~	~~GZ~~	– ppm	☐	☐
~~RPZSCPXA-52373~~	~~PZ~~	– ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/22/05
Time: 1:30

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-5-06
Time: PM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property

ENTERED
JAN 0 3 2006



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52373

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12/14/05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☐ No

Resident Address: 4724 DAVENPORT ST

OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: WALTER DUDA

Owner address: C/O DUDA CO 617 S 37 ST, OMAHA, NE 68105

Owner's telephone number - Home: 402-341-4451 Work:

Age of home: _____ years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) Apartment complex is 95% brick with vinyl window trim, 5% painted including porch colums, garage, basement window trim

Description of conditions which could contribute to paint deterioration: none

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

52373

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/22/05 Time: 2:00
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H - S - P - 01 - 52373	3 mg/cm²	WINDOW/TRIM	WOOD	WHITE	2 ft²
H - S - P - 02 - 52373	21 mg/cm²	GARAGE/DOOR	WOOD	WHITE	3 ft²
H - S - P - 03 - 52373	.37 mg/cm²	PORCH/COLUMN	WOOD	WHITE	6 ft²
H - W - P - 04 - 52373	NEG mg/cm²	WINDOW/SIDING	WOOD	WHITE	1 ft²
H - W - P - 05 - 52373	25 mg/cm²	WINDOW/TRIM	WOOD	WHITE	3 ft²
H - E - P - 06 - 52373	NEG mg/cm²	WINDOW/TRIM	WOOD	WHITE	1 ft²
H - __ - P - 07 - 52373	mg/cm²				ft²
H - __ - P - 08 - 52373	mg/cm²				ft²
H - __ - P - 09 - 52373	mg/cm²				ft²
H - __ - P - 10 - 52373	mg/cm²				ft²
H - __ - P - 11 - 52373	mg/cm²				ft²
H - __ - P - 12 - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²
__ - __ - P - ___ - 52373	mg/cm²				ft²

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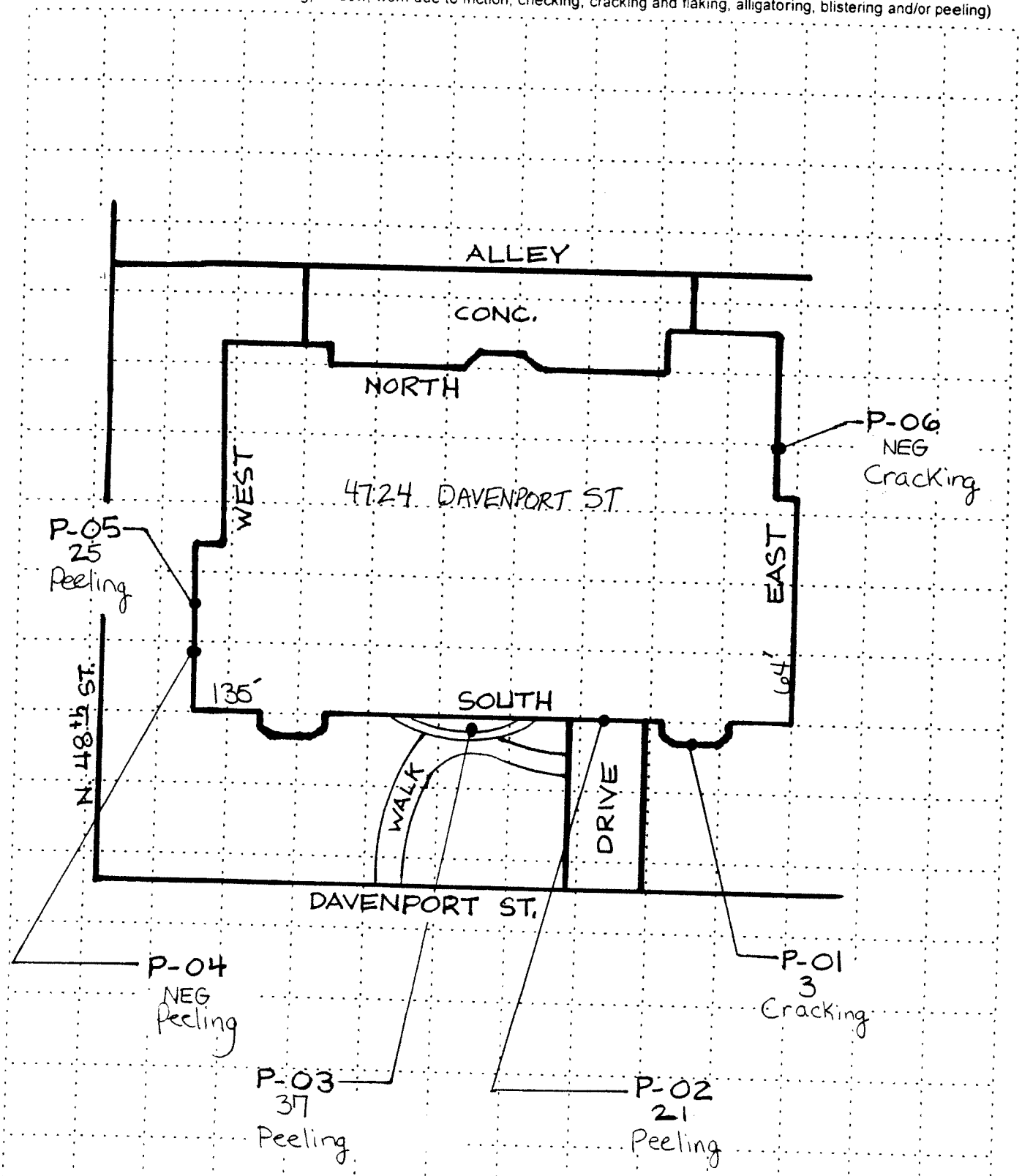
52373

Owner Name: WALTER DUDA
Address: 4724 DAVENPORT ST
Phone: H: 402-341-4451 W:

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



Rev LBP-1

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52373

Owner Name: WALTER DUDA
Address: 4724 DAVENPORT ST
Phone: H: 402-341-4451 W:

Omaha Lead Site
LBP Assessment

North Arrow

Additional Notes

Surface Painted Area North = 104 ft2
South = 365 ft2
East = 25 ft2
West = 70 ft2
Total Surface Painted Area = 564 ft2

HOUSE

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Omaha Lead Site Drip Zone Study

BVID: 52375

In Situ Samples Analyzed	Ex Situ Samples Analyzed	Lab Samples Analyzed
XRF Unit: _____ Book: _____	XRF Unit: 1037 Book: 143	ASR: _____ Date: _____
Date: _____ Time: _____	Date: 1-5-06 Time: PM	Samples: _____
Staff: _____	Staff: LA	

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-E-52375		87	☐
DZ 02-E-52375		51	☐
DZ 03-E-52375		65	☐
DZ 04-E-52375		73	☐
DZ 05-E-52375		126	☐
DZ 06-E-52375		104	☐
DZ 07-E-52375		118	☐
DZ 08-E-52375		132	☐
DZ 09-E-52375		144	☐
DZ 10-E-52375		120	☐
DZ 11-E-52375		240	☐
DZ 12-E-52375		154	☑
DZ 13-E-52375		136	☐
DZ 14-E-52375		168	☐
DZ 15-E-52375		161	☐
DZ 16-E-52375		173	☐
DZ 17-E-52375		189	☐
DZ 18-E-52375		211	☐
DZ 19-E-52375		176	☐
DZ 20-E-52375		193	
DZ ~~20~~ 21-E-52375		163	☐
# of Samples:		20	1

Lab Result DZ12-EL-52375

Overhang: _____

Sample Number	In Situ Lead Concentration	Ex Situ Lead Concentration	LAB
DZ 01-S-52375		33	☐
DZ 02-S-52375		33	☐
DZ 03-S-52375		59	☐
DZ 04-S-52375		51	☐
DZ 05-S-52375		55	☐
DZ 06-S-52375		52	☐
DZ 07-S-52375		79	☐
DZ 08-S-52375		74	☐
DZ 09-S-52375		85	☐
DZ 10-S-52375		99	☐
DZ 11-S-52375		95	☐
DZ 12-S-52375		100	☐
DZ 13-S-52375		99	☐
DZ 14-S-52375		136	☐
DZ 15-S-52375		126	☐
DZ 16-S-52375		123	☐
DZ 17-S-52375		136	☐
DZ 18-S-52375		150	☐
DZ 19-S-52375		131	☑
DZ 20-S-52375		128	
DZ ~~20~~ 21-S-52375		141	☐
# of Samples:		20	1

Lab DZ19-SL-52375

0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

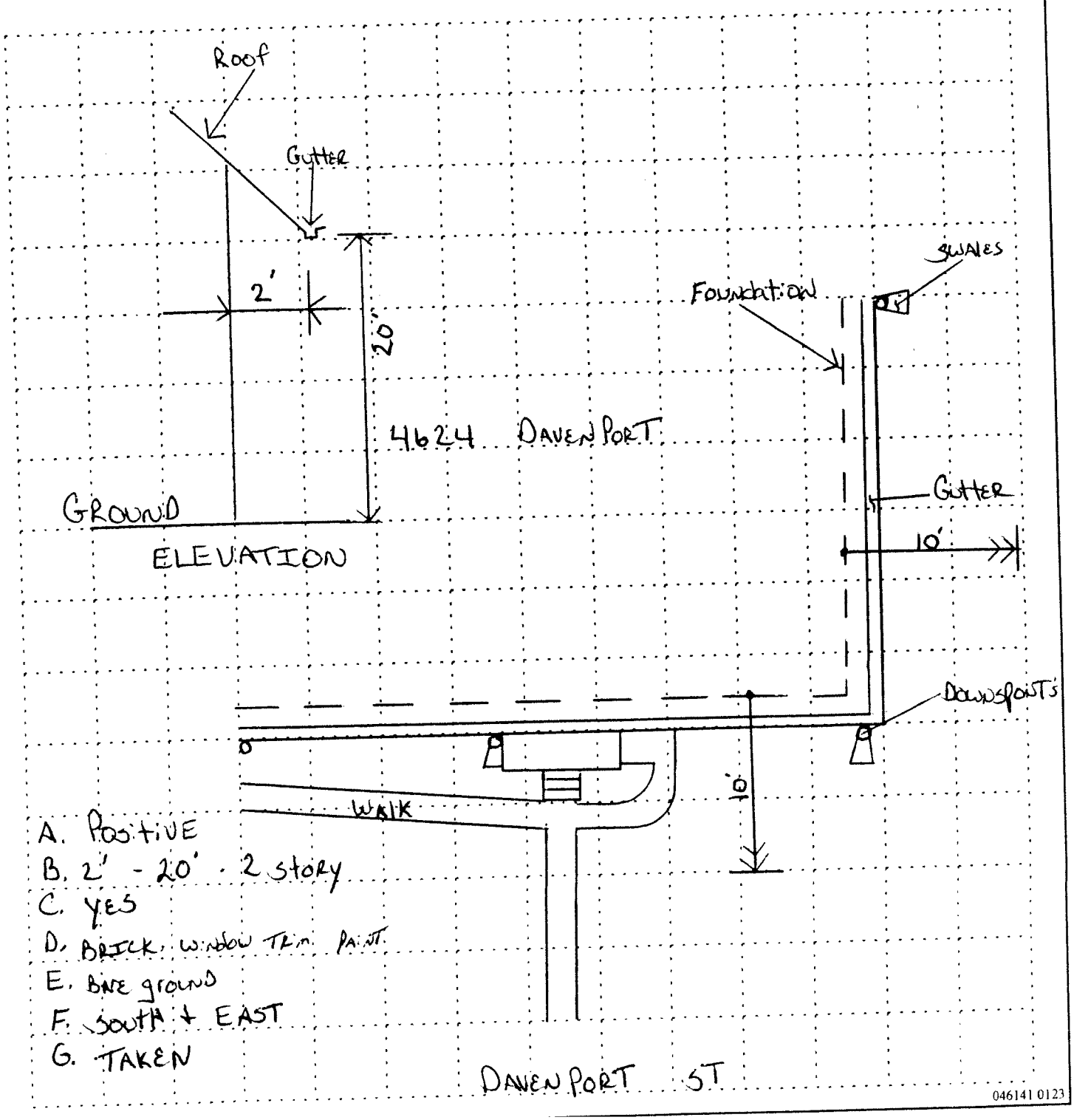
Rev 0.9a2

BVID: 52375

Owner Name: GERALD MANCUSO Address: 4624 DAVENPORT ST Phone: H: W:	**Omaha Lead Site** **Site Sketch**	Exterior Paint ☐ Good ☐ Poor ☑ Not paint	North Arrow

Record the following information:

a. Site grading and drainage (positive, away from structure or negative).
b. Number of stories, roof overhang (measured if possible) and distance from ground to soffit;
c. Presence of gutters, location of downspouts and drainage swales;
d. Exterior finish (paint, vinyl siding, brick).
e. DZ features such as presence of vegetation, mulch, bare ground, visible paint chips, etc.
f. DZ sample ladder locations and wall orientation (N, S, E, W)
g. Digital photos will be taken at each sampling location. Additional photos may be taken.



A. POSITIVE
B. 2' - 20' - 2 story
C. YES
D. BRICK, WINDOW TRIM PAINT
E. BARE ground
F. SOUTH + EAST
G. TAKEN

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52375

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llame Debbie Kring al 1-800 223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X G. P. Mancuso (Please Print Name)

X G. [signature] (property Owner Signature) X 12/5/05 (date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: ☐ owner ☐ renter

Residence Address: 4624 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by GERALD P MANCUSO

Owner's mailing address: 2921 13 ST, COLUMBUS, NE 68601

Owner's telephone number - Home: 402 · 564 · 8917 Work: 402-564-7180

Age of home? _____ years How long have you lived here? _____ years

Has the exterior been painted or covered with siding since 1978? [ ] Yes [X] No

Has the interior been painted or covered since 1978? [X] Yes [ ] No

Total number of occupants: — List Ages: —

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: 8 unit apartment building -- DZ Study

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent (signed)

First: 12:15 pm 12/05/05 Second: _____ Third: _____

p4.73 book #123

52375

U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Investigation/
Feasibility Study

PROPERTY ACCESS *(to be completed by property owner)*

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Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of levels of lead and other metals in surface soils within the Omaha, Nebraska area. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of surface soil sampling analysis in support of this study. For further information contact Don Bahnke, EPA Project Manager, 1-913-551-7003 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By X _____ (Please Print Name)

X _____ *(property Owner Signature)* X _____ *(date)*

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name: _____ ☐ owner ☐ renter

Residence Address: 4624 DAVENPORT ST OMAHA (CITY) NE (STATE) 68132 (ZIP)

Property owned by GERALD P MANCUSO

Owner's mailing address: 2921 13 ST, COLUMBUS, NE 68601

Owner's telephone number - Home: _____ Work: 402-564-7180

Age of home? _____ years How long have you lived here? _____ years Fax 1-402-564-7042

Has the exterior been painted or covered with siding since 1978? ☐ Yes ☐ No

Has the interior been painted or covered since 1978? ☐ Yes ☐ No

Total number of occupants: _____ List Ages: _____

List ages of occupants under 6 years old who play in the yard for 5 or more hours per week: _____

Comments: 6 unit apartment building

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property for in Section 104(e) of CERCLA, 42 U.S.C. 9604(e), which provides entry for, "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts: Letter sent: Signed

First: 12:15 pm 12/05/05 Second: _____ Third: _____

pg. 73 book #1 >

52375

Owner Name: GERALD P MANCUSO
Address: 4624 DAVENPORT ST
Phone: H: 564-8917 W:

Omaha Lead Site
Site Sketch

Exterior Paint
- ☐ Good
- ☐ Poor
- ☑ Not paint

North Arrow

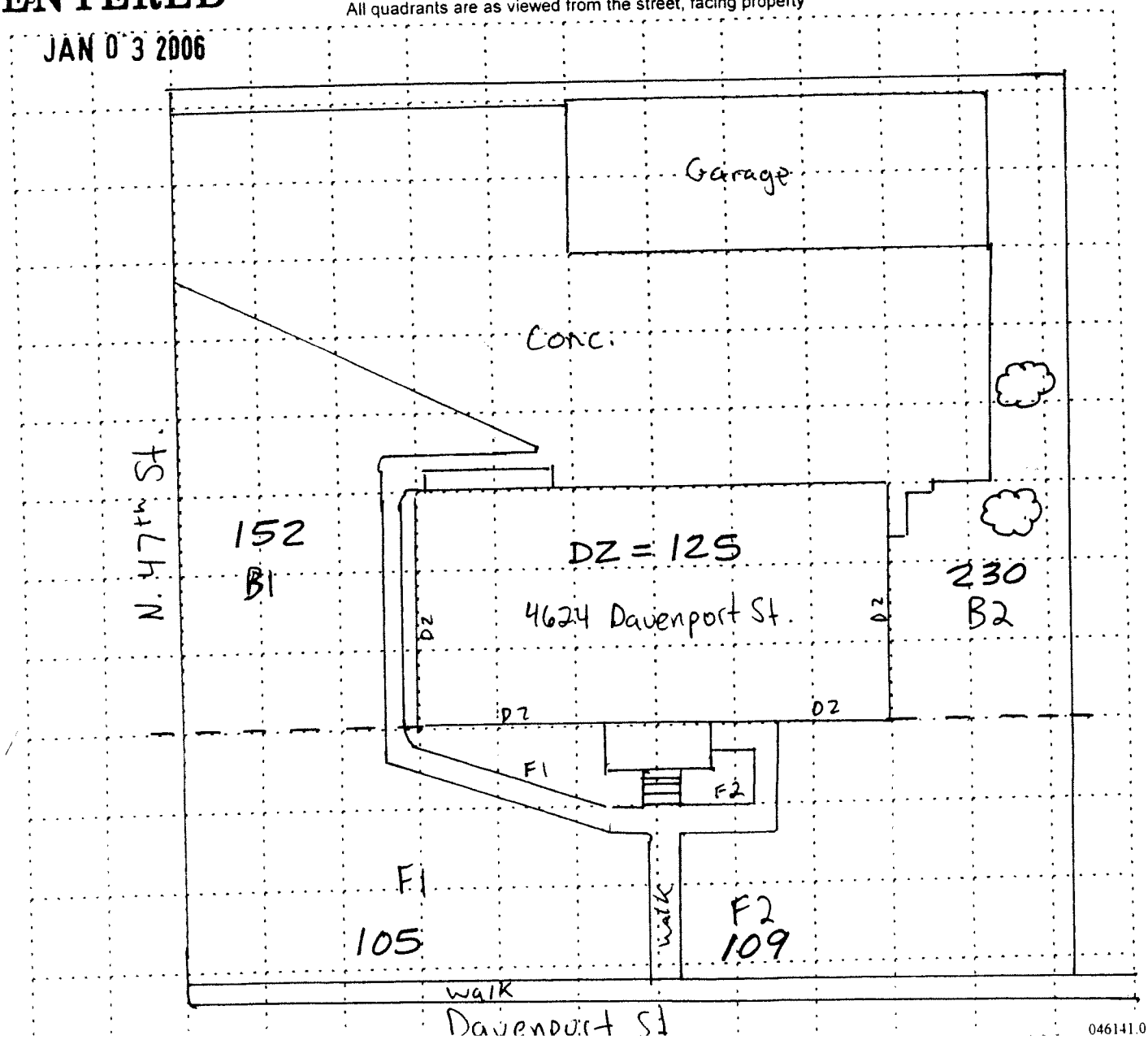
Sample Number		Lead Concentration	Sample Collected	LAB
RYASCPXA-52375	F1	105 ppm	☑	☐
RYBSCPXA-52375	F2	109 ppm	☑	☐
RYCSCPXA-52375	B1	152 ppm	☑	☐
RYDSCPXA-52375	B2	230 ppm	☑	☐
RDZSCPXA-52375	DZ	125 ppm	☑	☐
~~RGZSCPXA-52375~~	~~GZ~~	– ppm	☐	☐
~~RPZSCPXA-52375~~	~~PZ~~	– ppm	☐	☐
		Number of Samples =	5	0

Samples Collected
Firm: MES-A.H./J.H.
Date: 12/22/05
Time: 12:30

Samples Analyzed
XRF Unit: 1037 Book: 143
Date: 1-5-06
Time: AM
Staff: LA

Legend: F1 = Front Left, F2 = Front Right, B1 = Back Left, B2 = Back Right DZ = Drip Zone, GZ = Garden, PZ = Play
All quadrants are as viewed from the street, facing property

ENTERED
JAN 0 3 2006



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U.S. Environmental Protection Agency Region VII

Omaha Lead Site
Omaha, NE

Residential Yard Soils
Remedial Design
Lead Based Paint Assessments

PROPERTY ACCESS *(to be completed by property owner)*

Para recibir esta forma en español, por favor llamé Debbie Kring al 1-800-223-0425

Black & Veatch Special Projects Corp. (BVSPC) is under contract with the U.S. Environmental Protection Agency (EPA) to assist in the determination of exterior paint condition and lead content at remediated within the Omaha, Nebraska area. Your cooperation is requested in giving EPA and EPA contractors permission to access your property for the purpose of paint sampling analysis. For further information contact the local EPA Public Information Center, 402-731-3045 or Debbie Kring at the Office of External Programs, 1-800-223-0425.

Property Access Granted By

SEE SOIL SAMPLING ACCESS SHEET FOR SIGNATURE
(property Owner Signature)

(Please Print Name)

12-5-05
(date)

NOTE: Granting permission DOES NOT necessarily imply your property will sampled at this time.

PROPERTY INFORMATION

(to be completed by resident and/or property owner - Please Print)

Resident Name:

Owner Occupied? ☐ Yes ☐ No

Resident Address: 4624 DAVENPORT ST

OMAHA (CITY) NE (STATE) 68132 (ZIP)

Owner Name: GERALD P MANCUSO

Owner address: 2921 13 ST, COLUMBUS, NE 68601

Owner's telephone number - Home: 402-564-8917 Work: 402-564-7180

Age of home: 51 years Paint Condition: ☐ < 10 ft² Deteriorated ☑ ≥ 10 ft² Deteriorated

General Description of Exterior Materials:
(type of siding, and approximate % of exterior painted) Apartment complex 95% brick, 5% painted including soffits & window trim. Garage 100% painted

Description of conditions which could contribute to paint deterioration: none

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604, for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

Access Attempts:

First: Second: Third:

Omaha Lead Site LBP Assessment

52375

LEGEND: H - N - P - 01 - 12345
- BVID Number
- Sample Number
- Material: P = Paint
- Side of Structure: N = North S = South E = East W = West
- Structure Type: H = House G = Garage S = Shed F = Fence

Samples Analyzed

XRF Unit: 1 Book: 139
Date: 12/22/05 Time: 1:05
Staff: MES-A.H./J.H.

Sample Number	Concentration	Structure/Feature (Window, siding, porch, etc.)	Substrate (Wood, concrete, etc.)	Color	Deteriorated Area
H-S-P-01-52375	NEG mg/cm²	WINDOW/TRIM	WOOD	WHITE	2 ft²
H-S-P-02-52375	3 mg/cm²	WINDOW/TRIM	WOOD	WHITE	4 ft²
H-S-P-03-52375	5 mg/cm²	WINDOW/TRIM	WOOD	WHITE	6 ft²
H-W-P-04-52375	5 mg/cm²	WINDOW/TRIM	WOOD	WHITE	3 ft²
H-N-P-05-52375	6 mg/cm²	WINDOW/TRIM	WOOD	WHITE	10 ft²
H-E-P-06-52375	4 mg/cm²	WINDOW/TRIM	WOOD	WHITE	2 ft²
H-__-P-07-52375	mg/cm²				ft²
H-__-P-08-52375	mg/cm²				ft²
H-__-P-09-52375	mg/cm²				ft²
H-__-P-10-52375	mg/cm²				ft²
H-__-P-11-52375	mg/cm²				ft²
H-__-P-12-52375	mg/cm²				ft²
G-S-P-1-52375	NEG mg/cm²	COLUMN	WOOD	WHITE	4 ft²
G-S-P-2-52375	7 mg/cm²	SIDING	WOOD	WHITE	8 ft²
G-N-P-3-52375	NEG mg/cm²	SIDING	WOOD	WHITE	5 ft²
G-E-P-4-52375	5 mg/cm²	SIDING	WOOD	WHITE	12 ft²
__-__-P-__-52375	mg/cm²				ft²
__-__-P-__-52375	mg/cm²				ft²
__-__-P-__-52375	mg/cm²				ft²
__-__-P-__-52375	mg/cm²				ft²
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__-__-P-__-52375	mg/cm²				ft²
__-__-P-__-52375	mg/cm²				ft²
__-__-P-__-52375	mg/cm²				ft²

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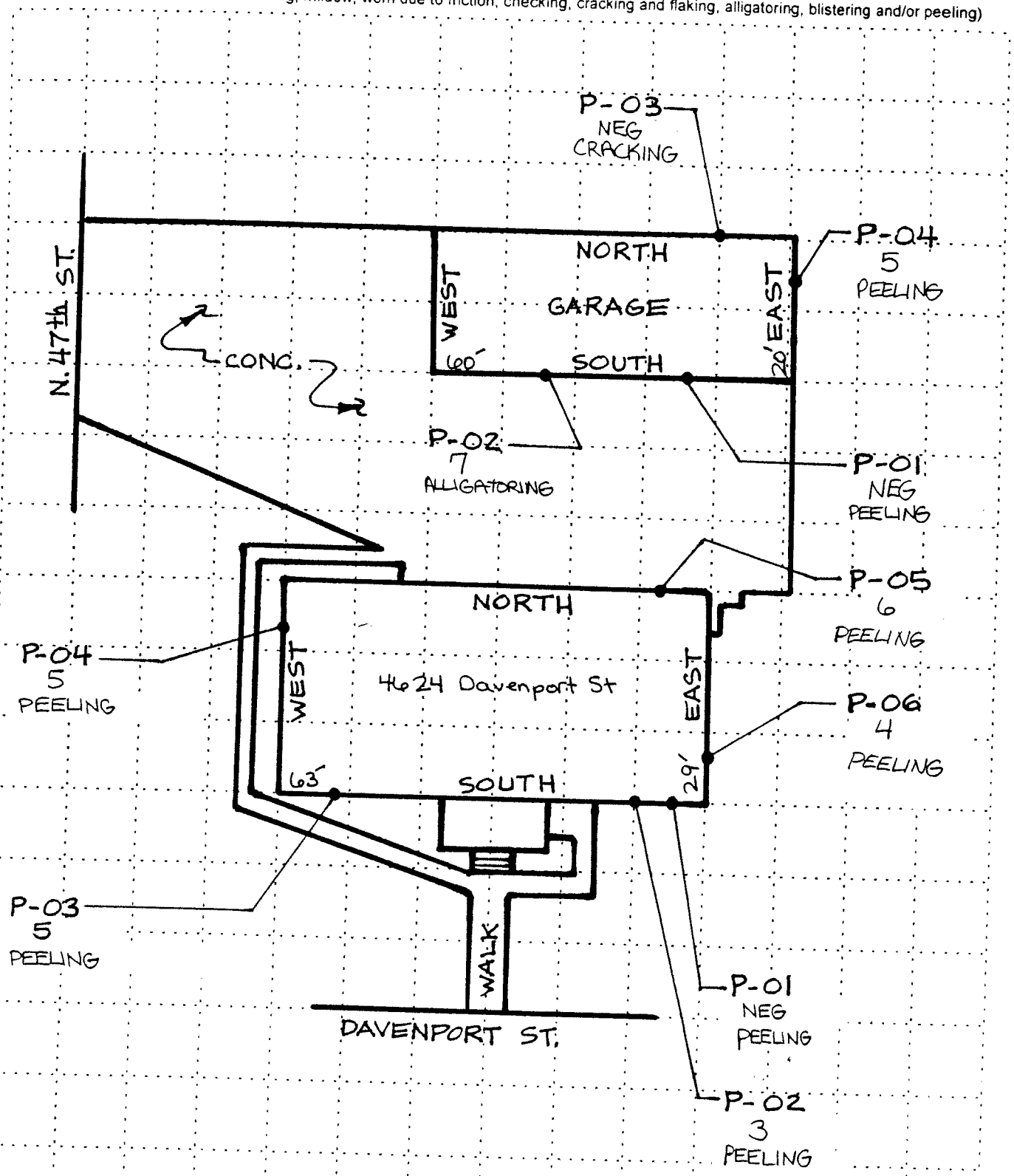
Owner Name: GERALD P MANCUSO
Address: 4624 DAVENPORT ST
Phone: H: 402-564-8917 W: 402-564-7180

Omaha Lead Site
Site Sketch
LBP Assessment

North Arrow

Plan View - Indicate number of stories and perimeter dimensions of structure
Indicate regions of deterioration and describe
(Deterioration could include chalking, mildew, worn due to friction, checking, cracking and flaking, alligatoring, blistering and/or peeling)



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Omaha Lead Site
LBP Assessment

North Arrow

Owner Name: GERALD P MANCUSO
Address: 4624 DAVENPORT ST
Phone: H: 402-564-8917 W: 402-564-7180

Additional Notes

Surface Painted Area
APARTMENT

North = 1160 ft2
South = 1860 ft2
East = 47 ft2
West = 78 ft2
Total Surface Painted Area = 477 ft2

Surface Painted Area
GARAGE

North = 300 ft2
South = 200 ft2
East = 120 ft2
West = 40 ft2
Total Surface Painted Area = 660 ft2