

6.2.3.2.2 Surface Water / Sediment

Figure 6.2-13 depicts all metals contamination detected in the surface water/sediment pathway at Line 2. Samples RBW-SW/SD-35-01 were collected 10 feet south of Plant Road M bridge in an unnamed tributary which enters Brush Creek near the southeast perimeter of Line 2. Lead and arsenic were detected in the sediment sample. The concentrations may be attributable to relict contamination from surface water runoff from Lines 3, 6, 7, and 9 which also drain to the intermittent stream. No metals of concern were detected in the corresponding surface water sample.

Samples R02-SW-26, R02-SW-27 and R02-SW-28 all reported levels of metals above detection limits, though none of the levels were greater than $2.9 \mu\text{g/L}$. Metals were reported in the corresponding sediment samples, though also at low levels, with no levels above $16.0 \mu\text{g/g}$.

Lead was reported at $86.3 \mu\text{g/L}$ in the aqueous sample collected from sump #15, south of Building 2-05-1. Lead was reported in the sediment sample collected from sump #9 (south of Building 2-06-1) at $1290 \mu\text{g/g}$ and in the sediment sample collected from sump #12 (north of Building 2-05-2) at $631 \mu\text{g/g}$.

6.2.3.2.3 Groundwater

Figure 6.2-14 depicts the highest metal concentration reported in the Line 2 wells. Piezometer R02-PZ-35 was installed 150 feet south and downgradient of the sump for Building 2-03. Piezometer R02-PZ-36 was located 60 feet southwest and downgradient of the sump and melt Building 2-05-1. Both piezometers were located in swale areas, topographically downgradient from Building 2-50. Groundwater samples from Piezometers R02-PZ-35 and R02-PZ-36 were collected and analyzed for metals. Piezometer R02-PZ-36 contained chromium at $16.6 \mu\text{g/L}$.

Metals of concern were detected in all 6 wells. Chromium was the metal reported with the highest value in all 6 wells. None of the levels exceeded 50.0 $\mu\text{g/L}$.

6.2.3.3 SVOCs and VOCs

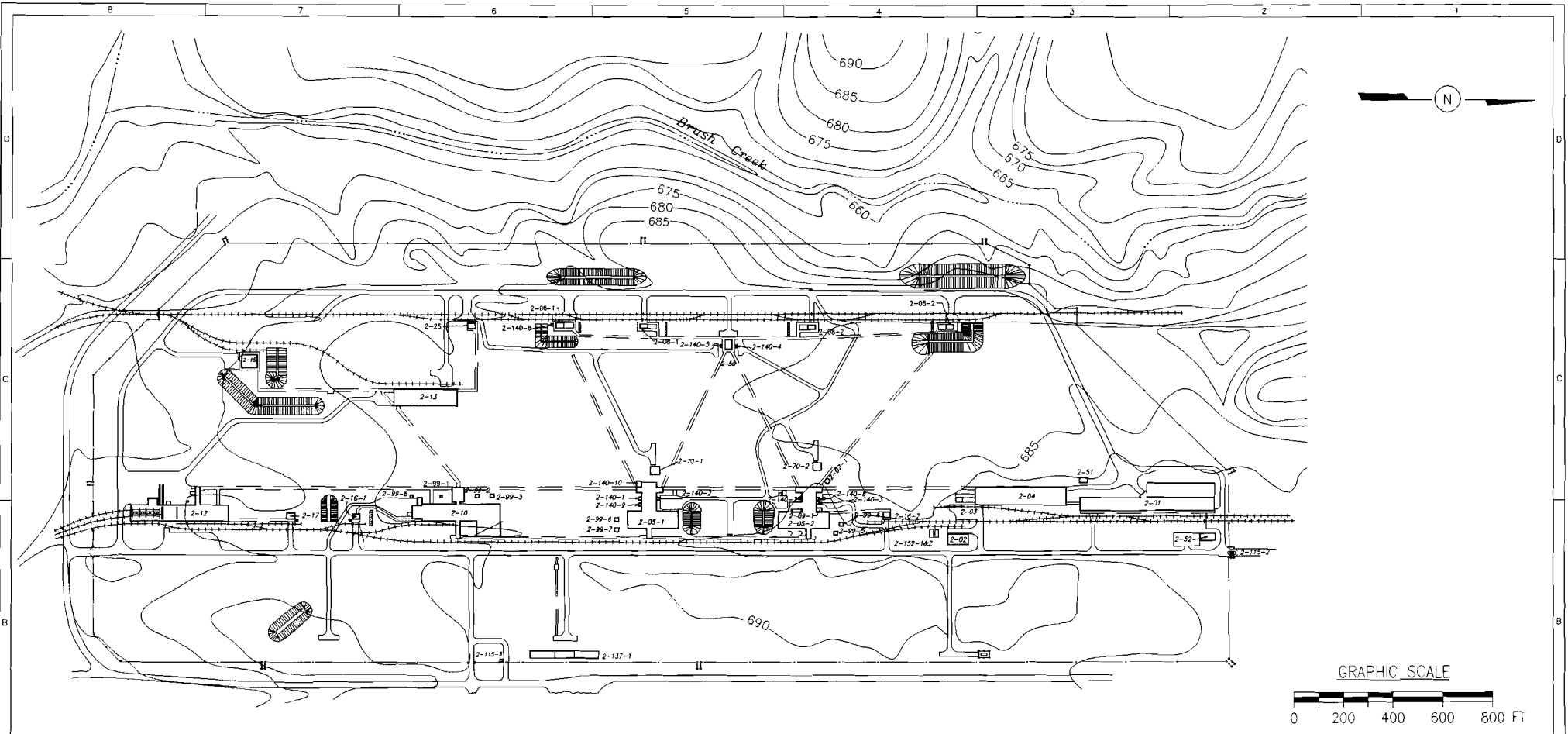
No SVOCs or VOCs were reported in groundwater and surface water samples collected from Line 2 during the RI. Several SVOCs and VOCs were reported in soil samples collected throughout Line 2. With the exception of one sample, none of these levels were above 10 $\mu\text{g/g}$. (Sample R02-SS-10 reported fluoranthene at 60 $\mu\text{g/g}$.) SVOCs reported in soil samples include di-n-butyl phthalate, bis(2-ethylhexyl)phthalate, fluoranthene, benzo[def]phenanthrene, chrysene, and phenanthrene. Only 2 samples reported detectable levels of VOCs: carbon disulfide at 0.0065 $\mu\text{g/g}$ and toluene at 0.72 $\mu\text{g/g}$. See Figure 6.2-11 for locations of SVOC and VOC detects.

Soil gas screening was conducted around 2 areas within Line 2. Building 2-05-2 indicated no concentrations above detection limits, while the survey done at Buildings 2-02 and 2-03 indicated concentrations ranging from non-detect to 1,950 $\mu\text{g/L}$. Total VOCs were detected in 9 of 34 samples. Buildings 2-02 and 2-03 are Solvent Storage Buildings. Any VOC contamination in this area would be from incidental spills during handling or building clean-up. A waste stream is not generated in these buildings, therefore if any contamination exists it may be in small amounts that is not concentrated to one area (i.e., ditch). It may be difficult to determine the best areas to sample with an inconsistent source as described. Since the soil gas survey suggested that contamination exists, this area will be evaluated during the Groundwater FS. Extraction wells may be installed at this site that will capture contaminants from the area.

6.2.4 Deviations from the Work Plan

Samples R02-SA-32-01, R02-SA-33-01, R02-SA-34-01 were added to the Work Plan during the field event as soil gas confirmation samples.

Two piezometers from which R02-PZ-35-01 and R02-PZ-36-01 were collected, were added to the Work Plan during the field event. These piezometers were installed while attempting to delineate potential contaminated groundwater plumes. These piezometers are discussed in detail in the Soil Gas Survey Report attached as Appendix B.



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

Prepared by: CADTECH



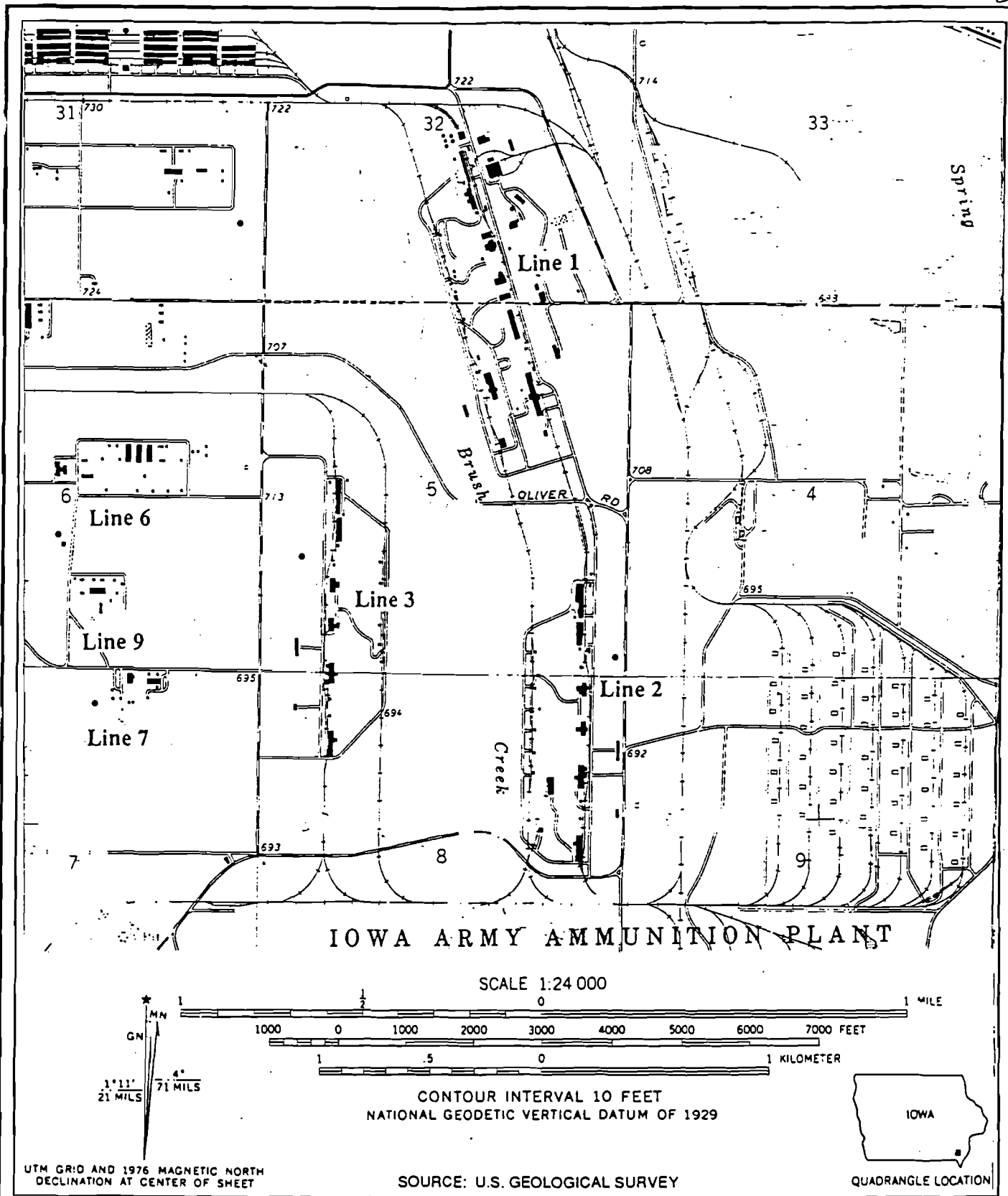
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

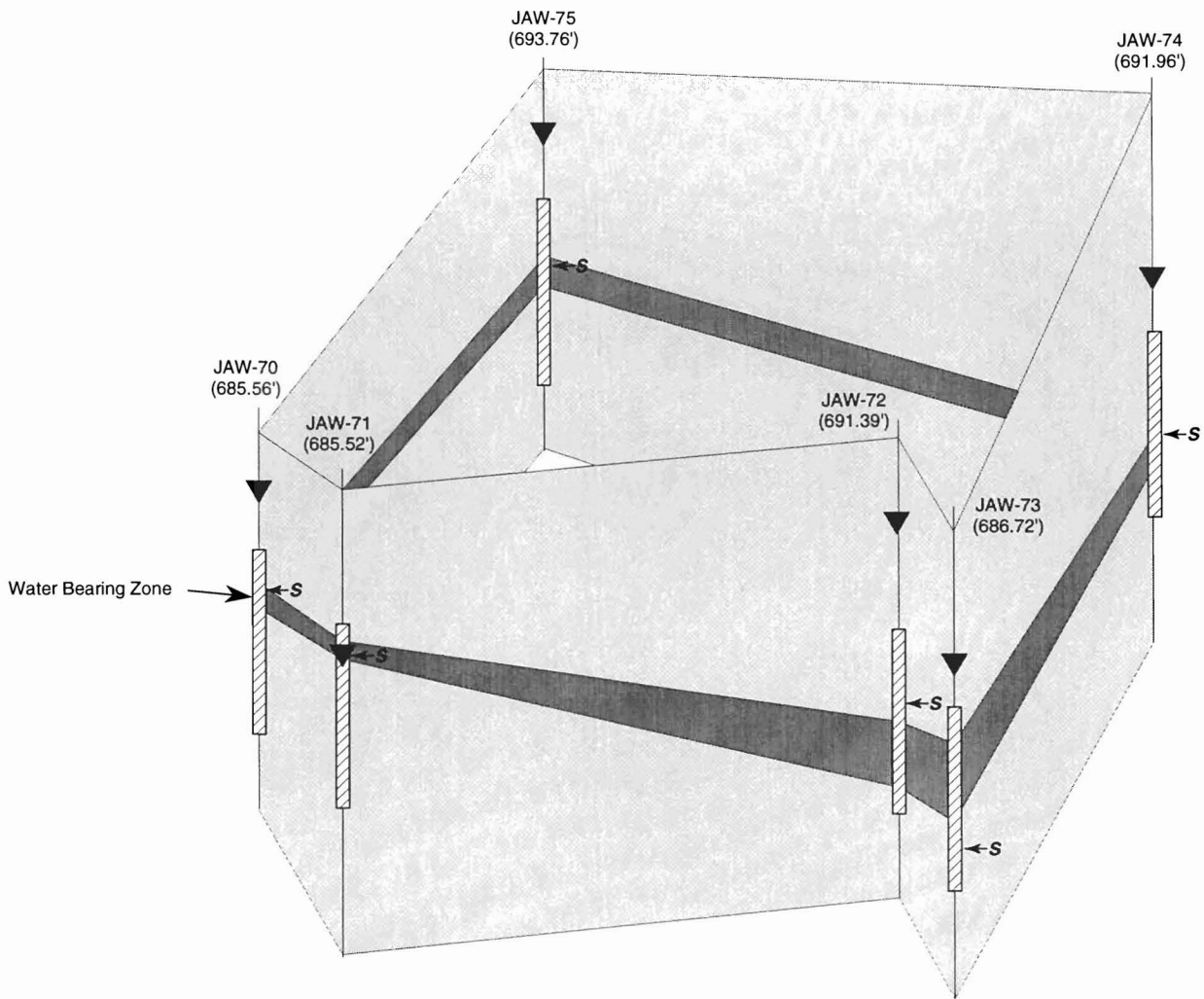
Site Map of IAAP R02
Line 2
(Formerly IAAP 2)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. IA02-D	DRAWN BY: L. ROLLE	PROJECT #: 2859
DATE 4/19/96	SHT. 1 OF 1	
		FIGURE: 62-1

57

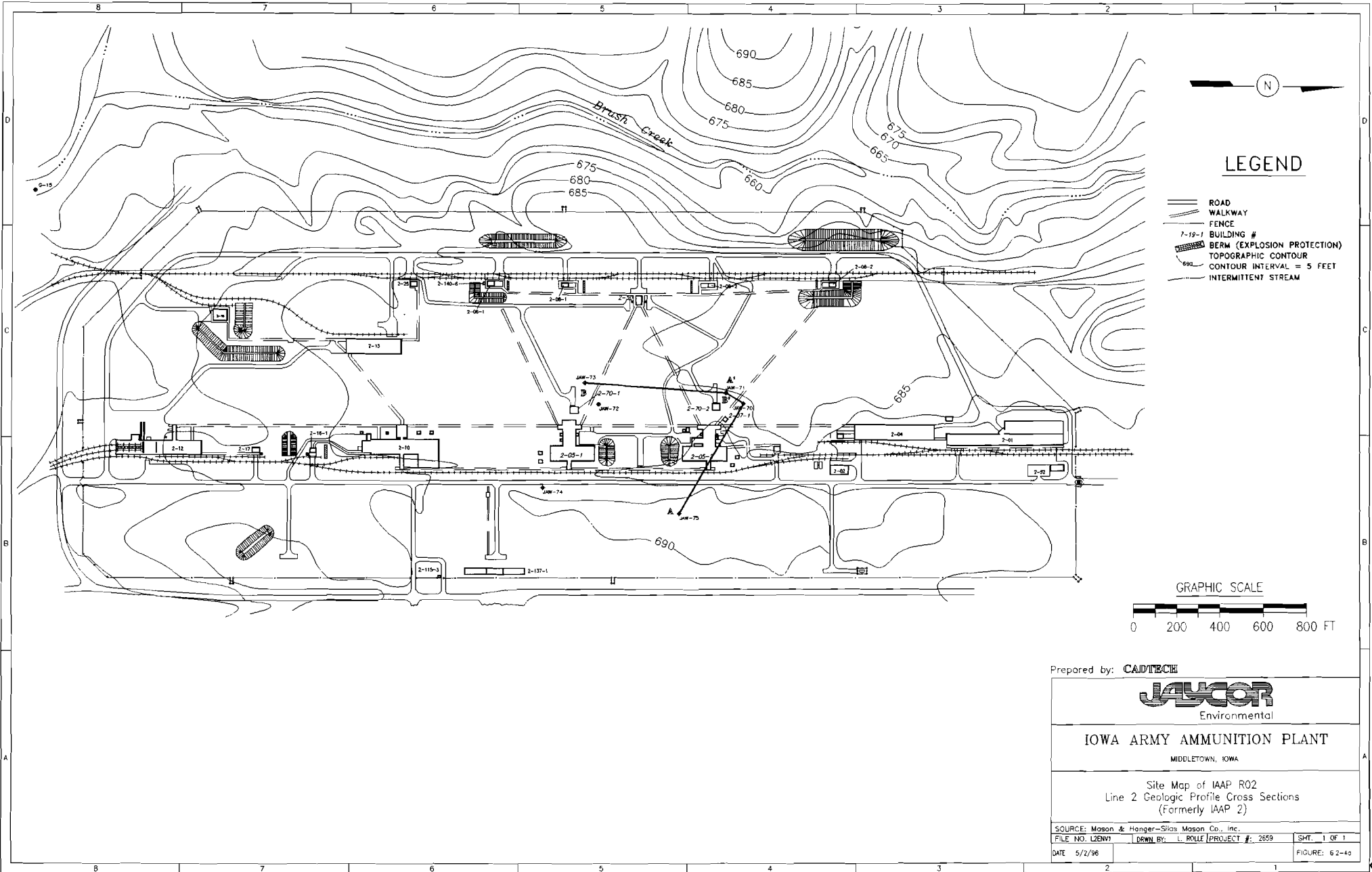


JAYCOR Environmental	DATE	1964	SCALE	1:24 000	TITLE SITE LOCATION MAP Lines 1, 2, 3, 6, 7, & 9		
	DRAWN BY	U.S.G.S	APPROVED BY	B. McG.			
	JOB NO.	2659-13	DWG. NO./ REV. NO.	1	CLIENT	AEC	FIGURE



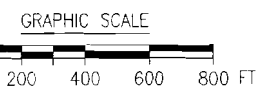
Well #	Total Depth	Screened Interval	Potentiometric Surface	Soil Sampling Interval
JAW-70	20.0 ft	7.0 - 17.0 ft	3.10 ft	8.00 ft
JAW-71	25.0 ft	7.0 - 17.0 ft	10.50 ft	8.50 ft
JAW-72	25.0 ft	10.0 - 20.0 ft	4.00 ft	14.50 ft
JAW-73	24.5 ft	10.0 - 20.0 ft	9.20 ft	17.00 ft
JAW-74	29.5 ft	12.0 - 22.0 ft	9.80 ft	18.00 ft
JAW-75	20.0 ft	7.0 - 17.0 ft	4.75 ft	10.50 ft

<p>LEGEND</p> <ul style="list-style-type: none"> Silty Clay/Clayey Silt Sand/Silt/Gravel [] Hydraulic Conductivity (cm/s) () Casing Elevation S → Soil Sample ▼ Water Level 	<p>Vertical Scale in Feet</p> <p style="text-align: center;">0 10</p> <hr style="width: 100%;"/> <p style="text-align: center;">0 800</p> <p>Horizontal Scale in Feet</p>	<p>→</p> <p>North</p>	<p>JAYCOR</p> <p>IOWA ARMY AMMUNITION PLANT</p> <p>MIDDLETOWN, IOWA</p> <hr/> <p>Fence Diagram Line 2 (RO2)</p> <hr/> <p>FILE NO: DRAWN BY: PROJECT NO: 2659 SHEET 1 of 1</p> <p>DATE: 9/09/93 FIGURE: 6.2-3</p>
---	--	-----------------------	---



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM



Prepared by: **CADTECH**

JAYCOR
Environmental

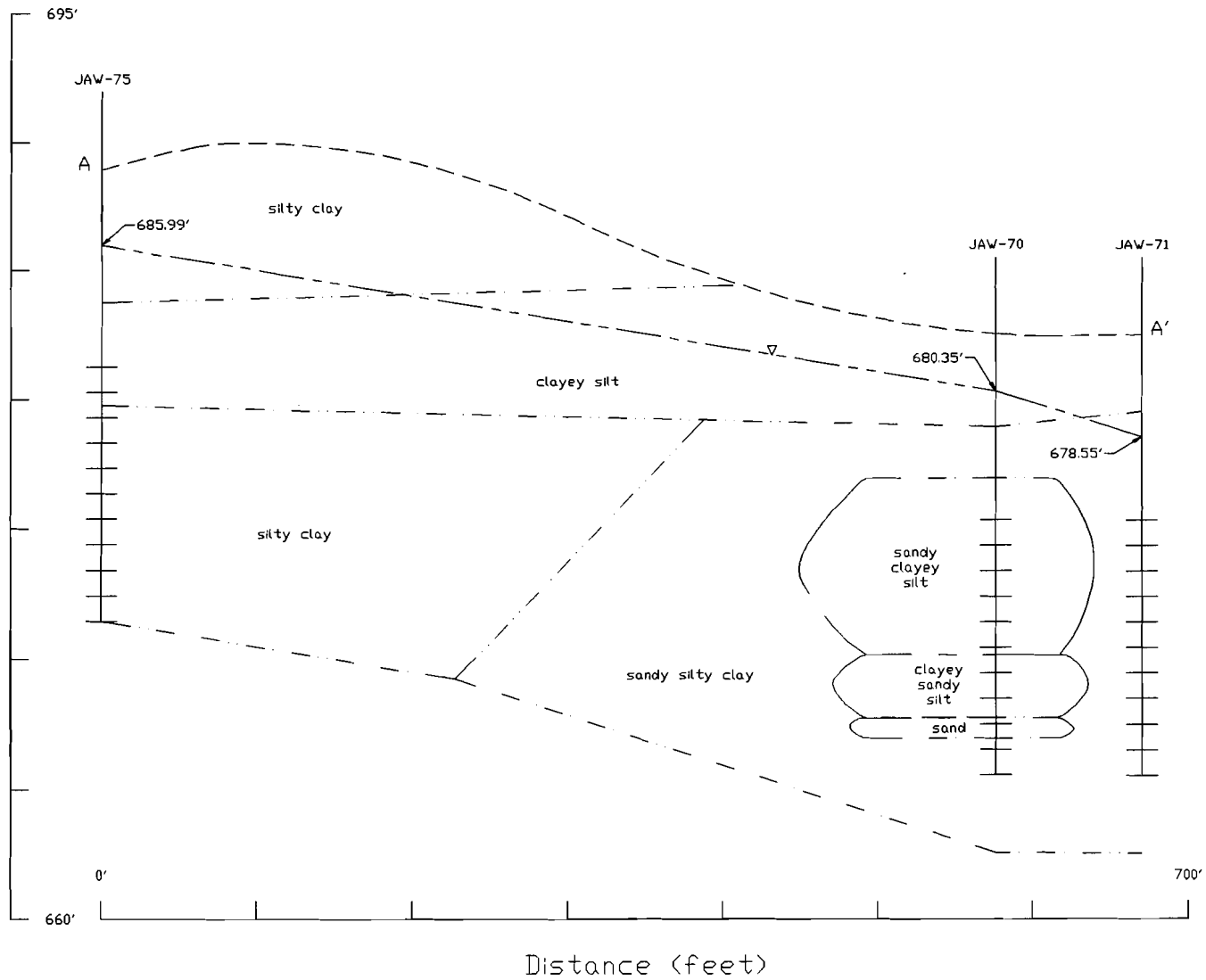
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Geologic Profile Cross Sections
(Formerly IAAP 2)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2ENV1	DRWN. BY: L. ROLLE (PROJECT # 2659)	SHT. 1 OF 1
DATE 5/2/96		FIGURE: 6.2-40

97

Elevation (feet above MSL)

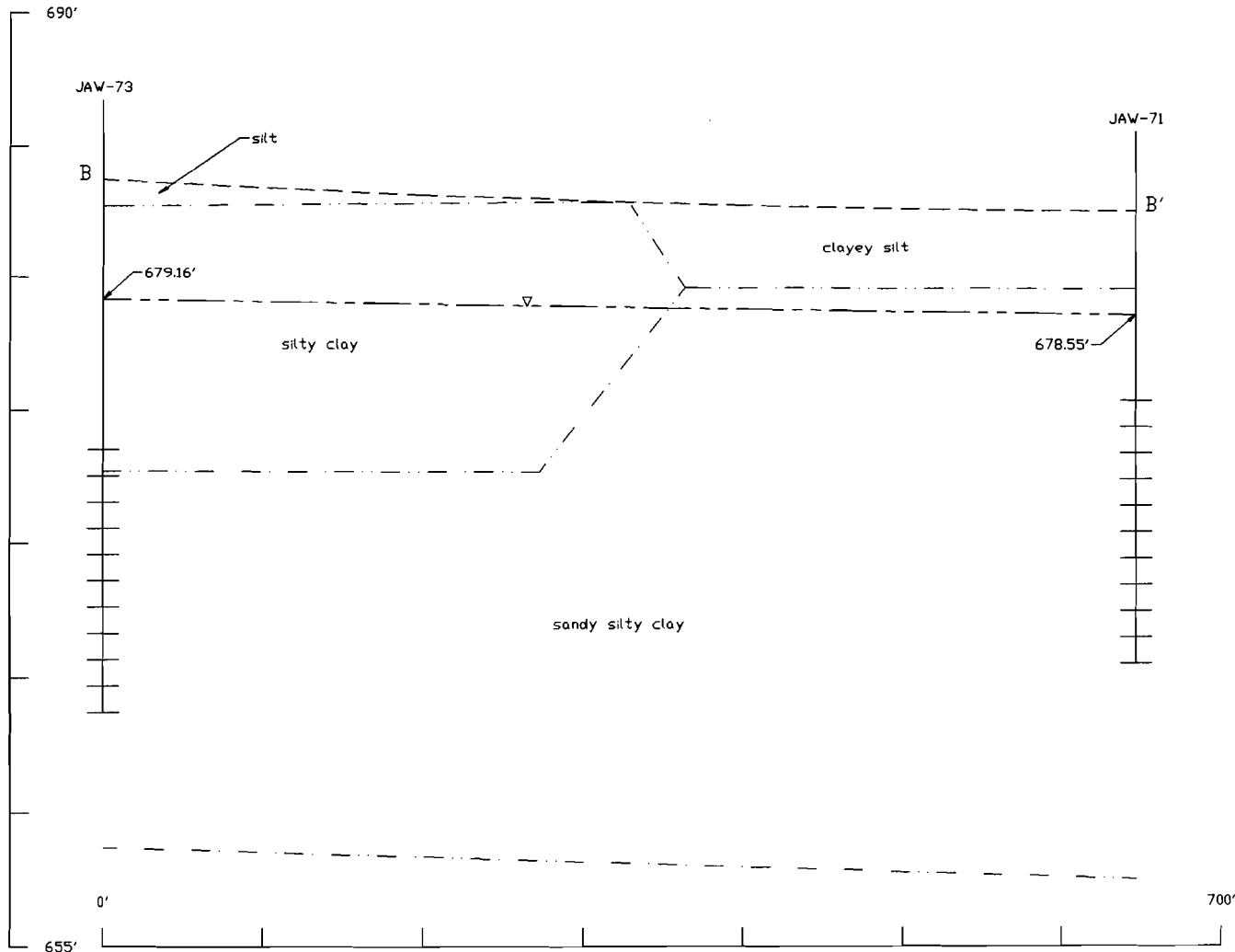


LEGEND

- GROUND SURFACE
- ▽- WATER TABLE
- - - APPROXIMATE GEOLOGIC PROFILE
- | SCREEN

JAYCOR Environmental	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Geologic Profile of IAAP R02 Along Flow Path Cross Section A-A'	
DATE 5/2/96	FIGURE 62-4b

Elevation (feet above MSL)

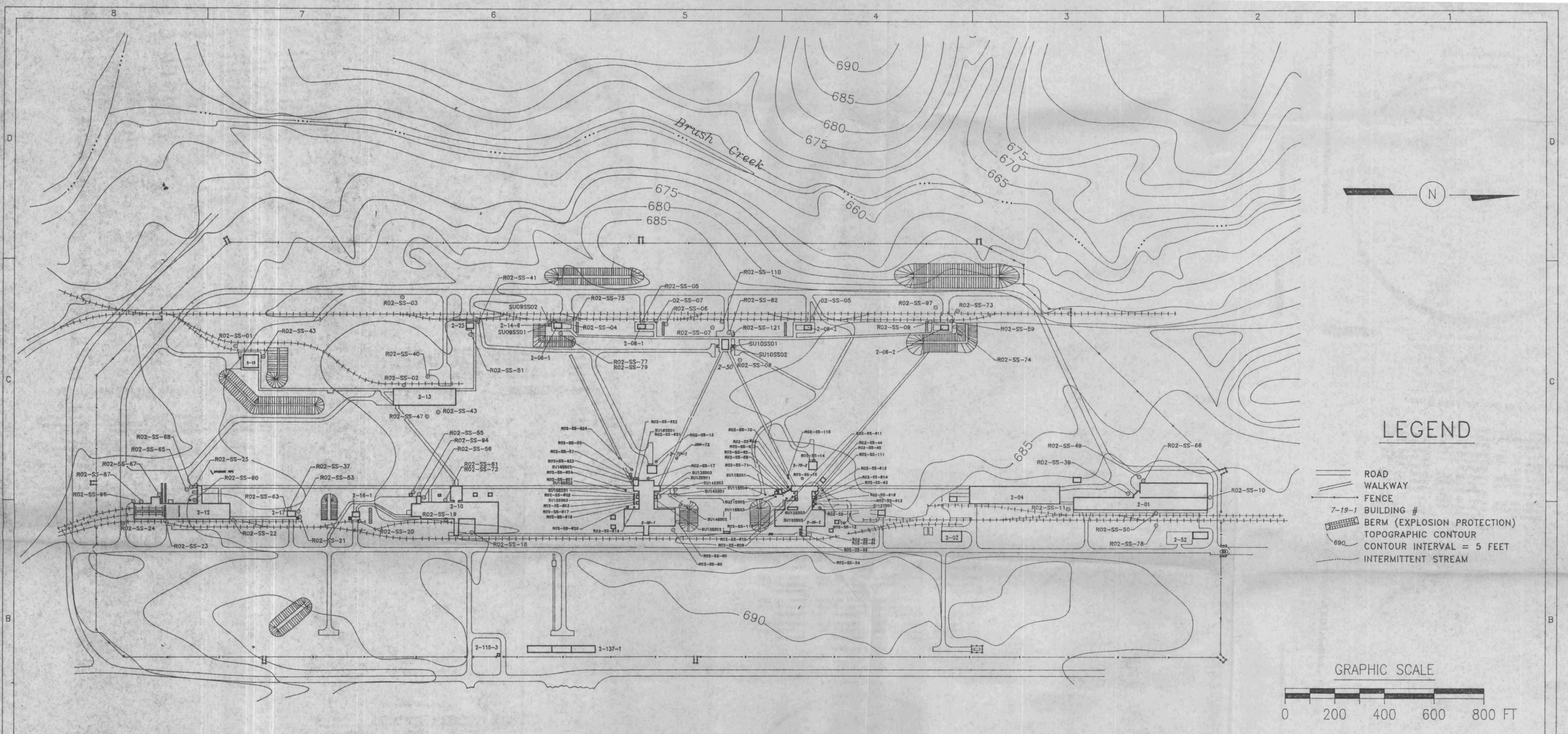


LEGEND

- GROUND SURFACE
- ▽- WATER TABLE
- APPROXIMATE GEOLOGIC PROFILE
- | SCREEN

JAVCOR Environmental	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Geologic Profile of IAAP R02 Perpendicular to Flow Path Cross Section B-B'	
DATE 5/2/96	FIGURE: 62-4c

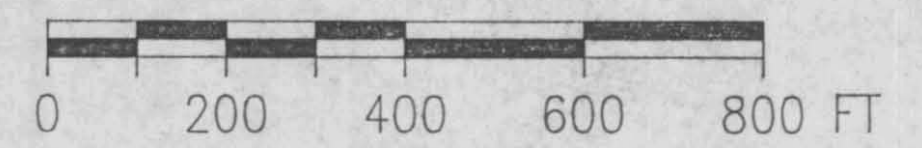
82



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

GRAPHIC SCALE



SAMPLE KEY

- SOIL SAMPLE

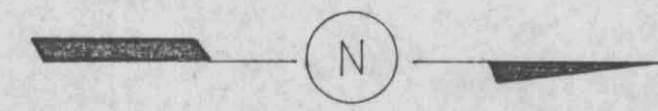
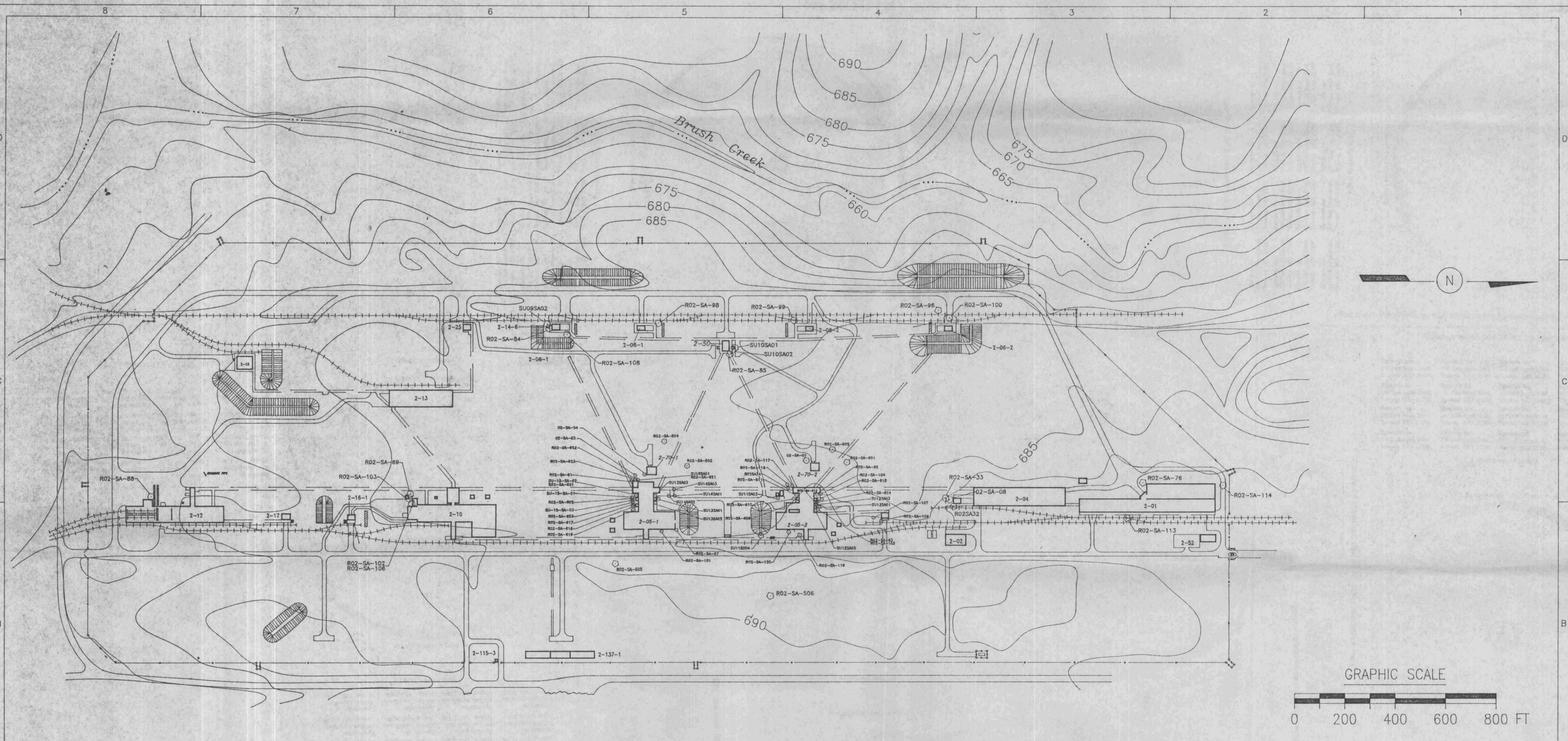
Prepared by: CADTECH



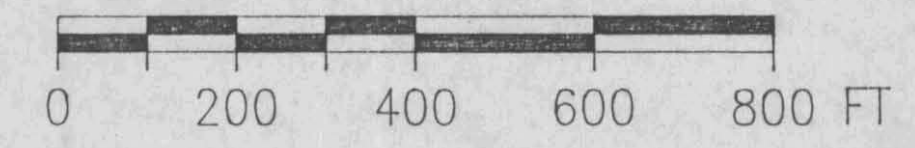
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Surface Soil Samples
(Formerly IAAP 2)

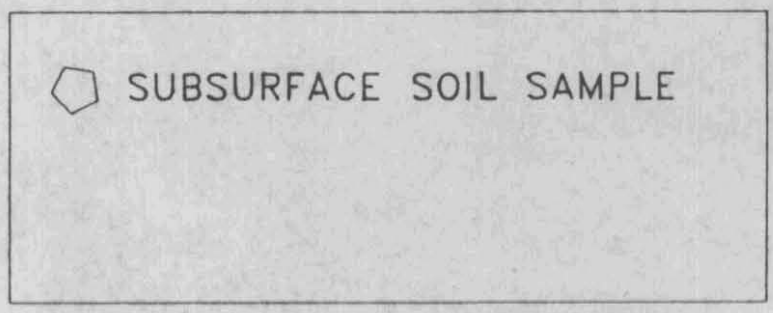
SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SL1	DRWN BY: L. ROLLE	PROJECT #: 2659
DATE 4/18/96		SHT. 1 OF 1
		FIGURE: 6.2-5



GRAPHIC SCALE



SAMPLE KEY



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

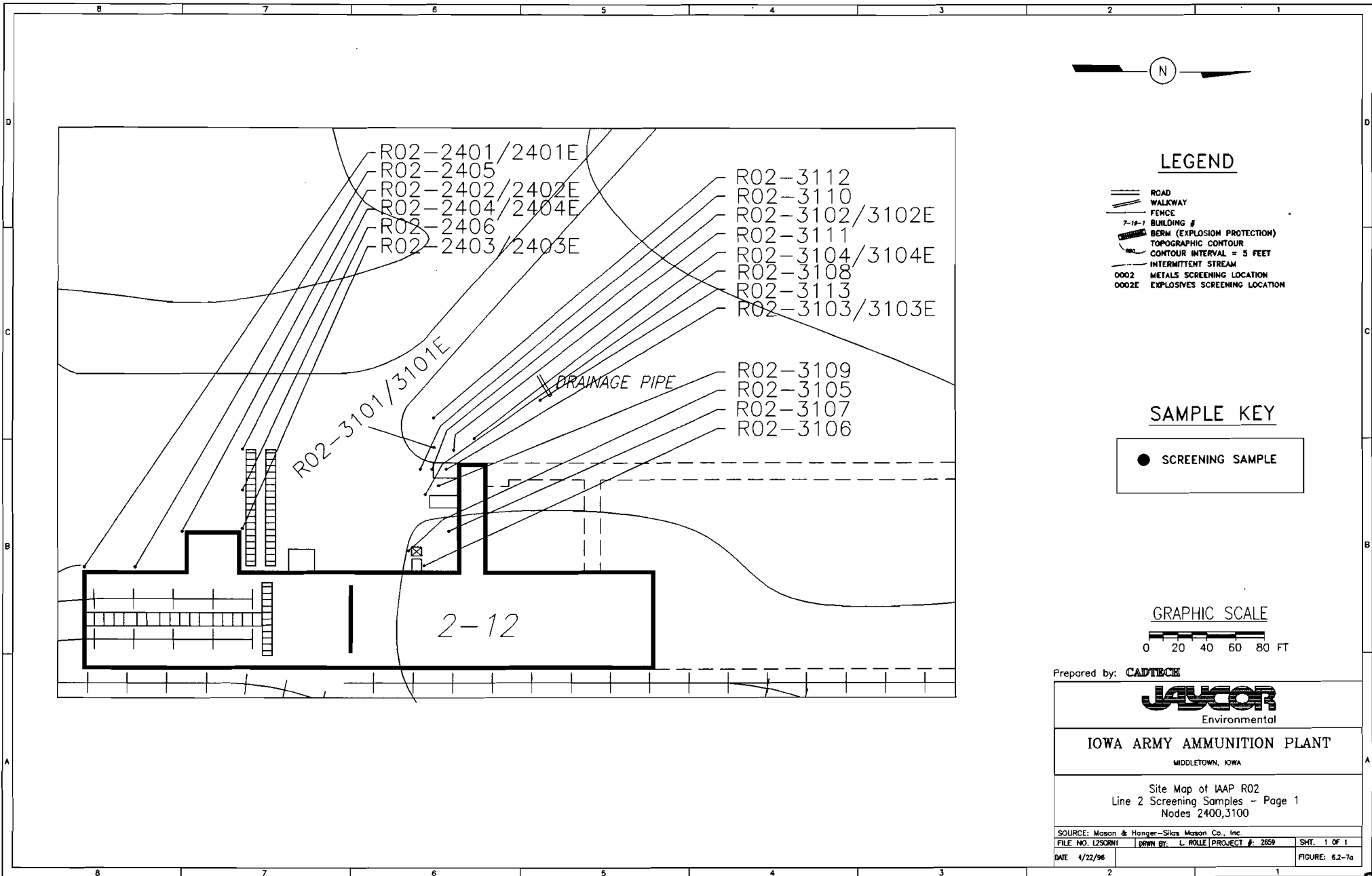
Prepared by: CADTECH



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Subsurface Soil Samples
(Formerly IAAP 2)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L2SSL1	DRWN BY: L. ROLLE	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/17/96			FIGURE 62-6



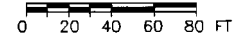
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: **CADTECH**



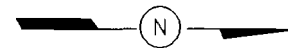
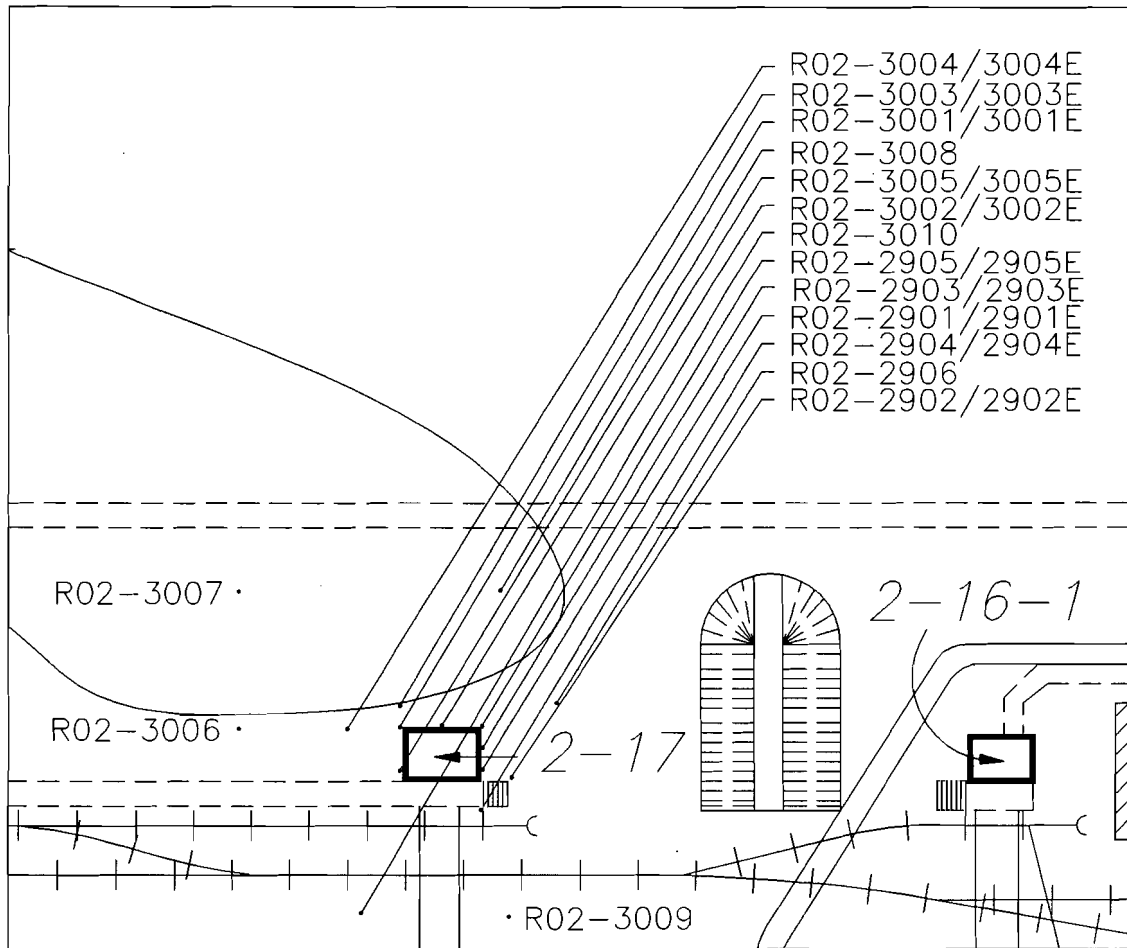
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 1
Nodes 2400,3100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L2300M1	DRAWN BY: L. ROLLE	PROJECT #: 2659	FIGURE: 62-7a
DATE 4/22/96			

62



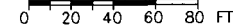
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: **CADTECH**

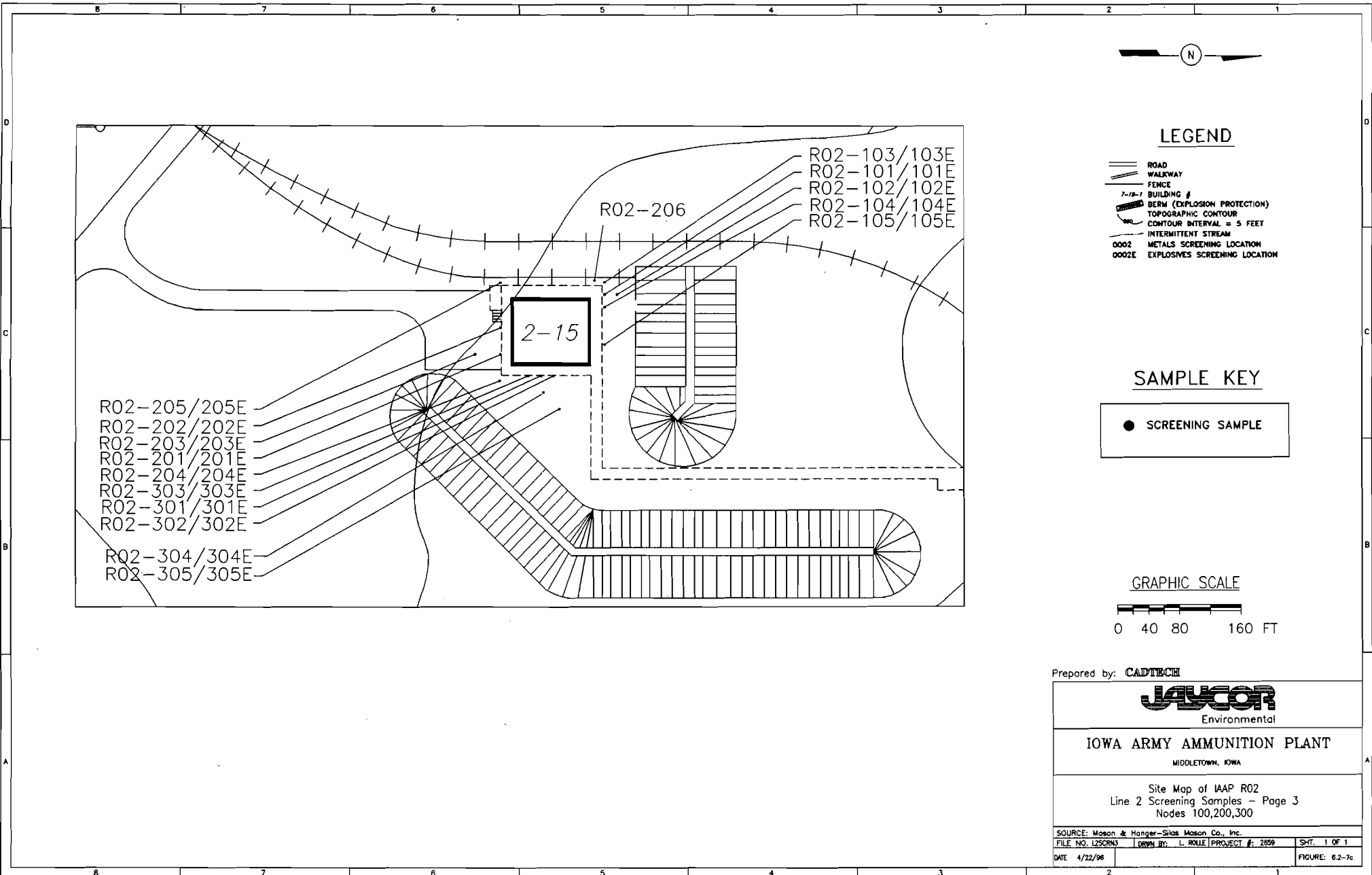


IOWA ARMY AMMUNITION PLANT


MIDDLETOWN, IOWA

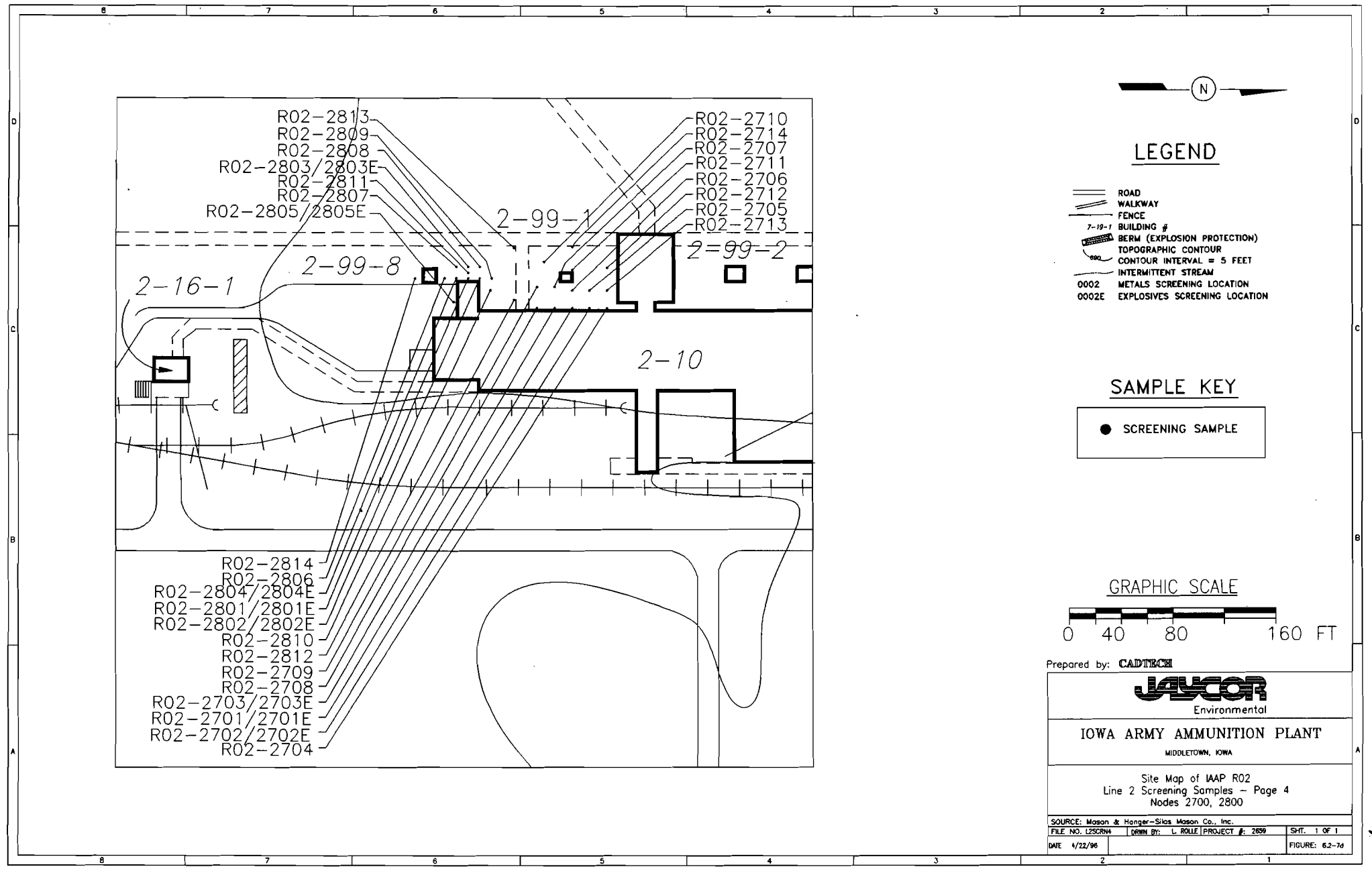
Site Map of IAP R02
 Line 2 Screening Samples - Page 2
 Nodes 2900,3000

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SH. 1 OF 1	
FILE NO. L2SCR2	DRAWN BY: L. ROLLE	PROJECT #: 2859	
DATE 4/22/96			FIGURE: 6.2-7b



Prepared by: CADTECH

	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Site Map of IAAP R02 Line 2 Screening Samples - Page 3 Nodes 100,200,300	
SOURCE: Mason & Hanger-Silas Mason Co., Inc.	
FILE NO. 1250RMS	DATE 4/22/98
DRAWN BY: L. ROLLE	PROJECT #: 2859
SHT: 1 OF 1	FIGURE: 6.2-7c



R02-2813
 R02-2809
 R02-2808
 R02-2803/2803E
 R02-2811
 R02-2807
 R02-2805/2805E

R02-2710
 R02-2714
 R02-2707
 R02-2711
 R02-2706
 R02-2712
 R02-2705
 R02-2713

2-16-1

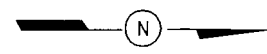
2-99-8

2-99-1

2-99-2

2-10

R02-2814
 R02-2806
 R02-2804/2804E
 R02-2801/2801E
 R02-2802/2802E
 R02-2810
 R02-2812
 R02-2709
 R02-2708
 R02-2703/2703E
 R02-2701/2701E
 R02-2702/2702E
 R02-2704



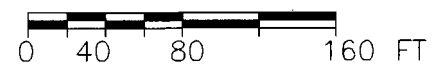
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE

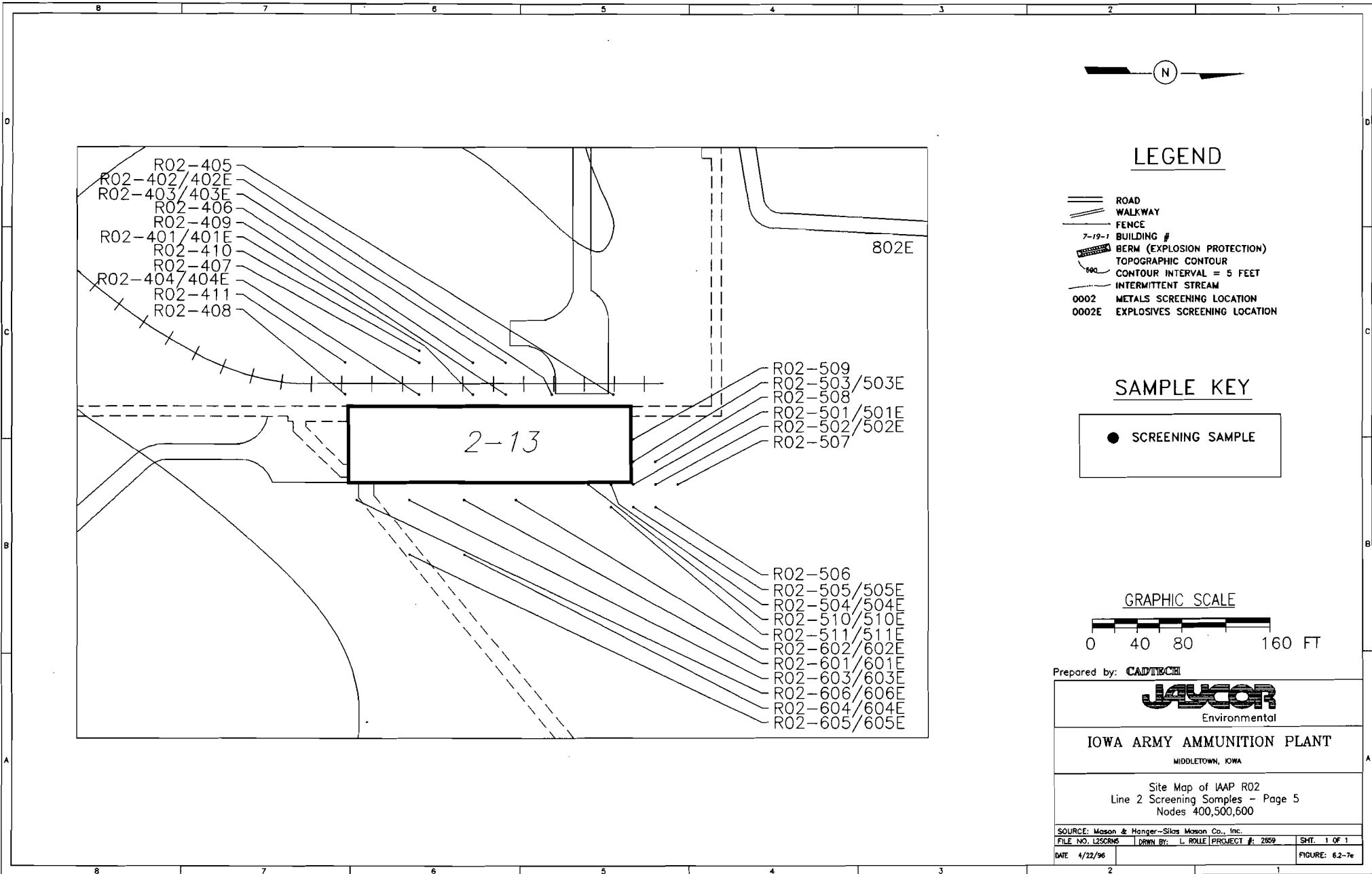


Prepared by: CADTECH

Environmental
IOWA ARMY AMMUNITION PLANT
 MIDDLETOWN, IOWA

Site Map of IAAAP R02
 Line 2 Screening Samples - Page 4
 Nodes 2700, 2800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L25CRN4	DRAWN BY: L. ROLLE PROJECT #: 2699	SHT. 1 OF 1
DATE 4/22/96		FIGURE: 6.2-7d



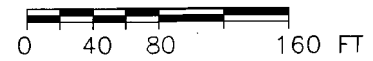
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

SCREENING SAMPLE

GRAPHIC SCALE



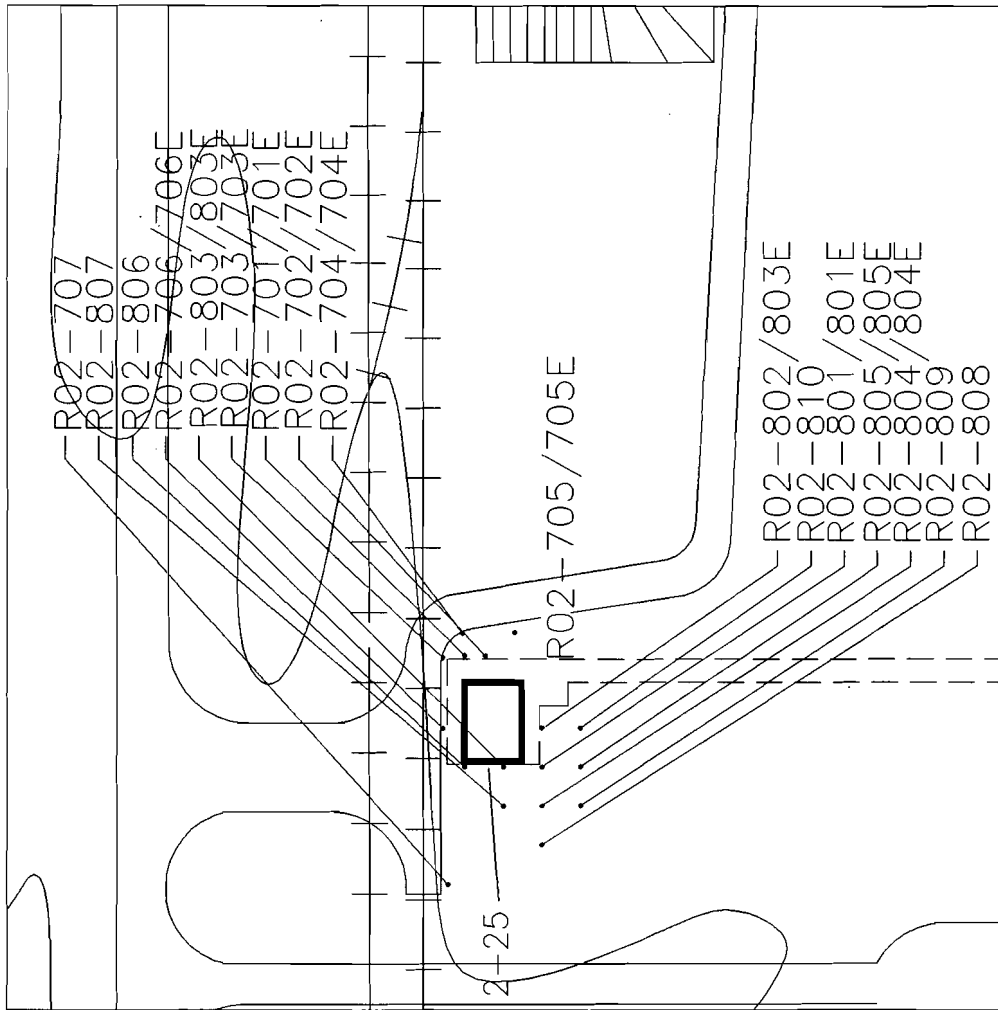
Prepared by: **CADTECH**

JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 5
Nodes 400,500,600

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L2SC086	DRAWN BY: L. ROLLE	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/22/96			FIGURE: 6.2-7e

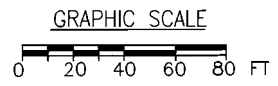


LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE



Prepared by: CADTECH

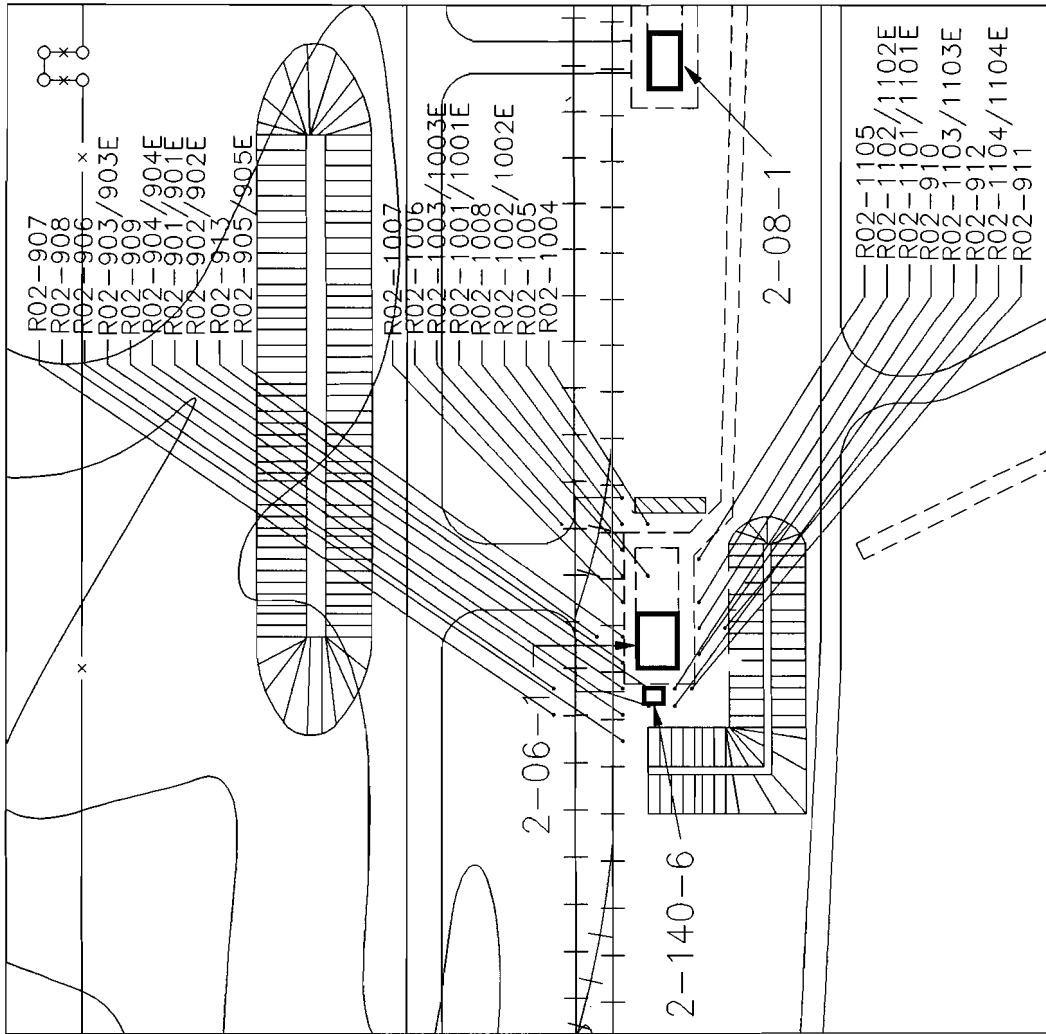


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 6
Nodes 700,800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L2SR06	DRWN BY: L. ROLLE	PROJECT #: 2059	FIGURE: 02-71
DATE: 4/22/96			

ht



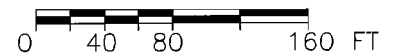
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH



IOWA ARMY AMMUNITION PLANT

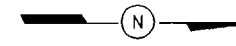
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 7
Nodes 900,1000,1100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SCRN7	DRAWN BY: L. ROLLE	PROJECT #: 2659
DATE: 4/22/96		SHT. 1 OF 1
		FIGURE: 6.2-7g

55

8 7 6 5 4 3 2 1



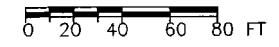
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY



GRAPHIC SCALE



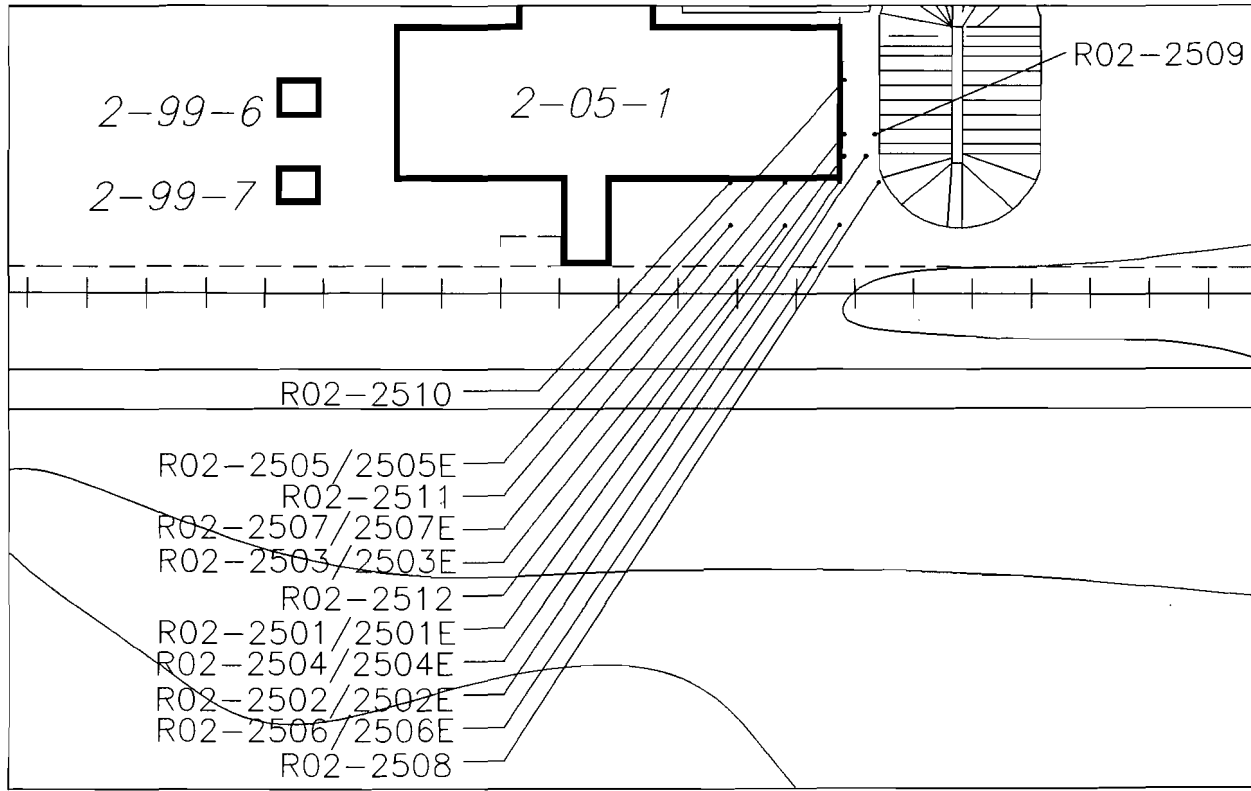
Prepared by: CADTECH



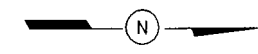
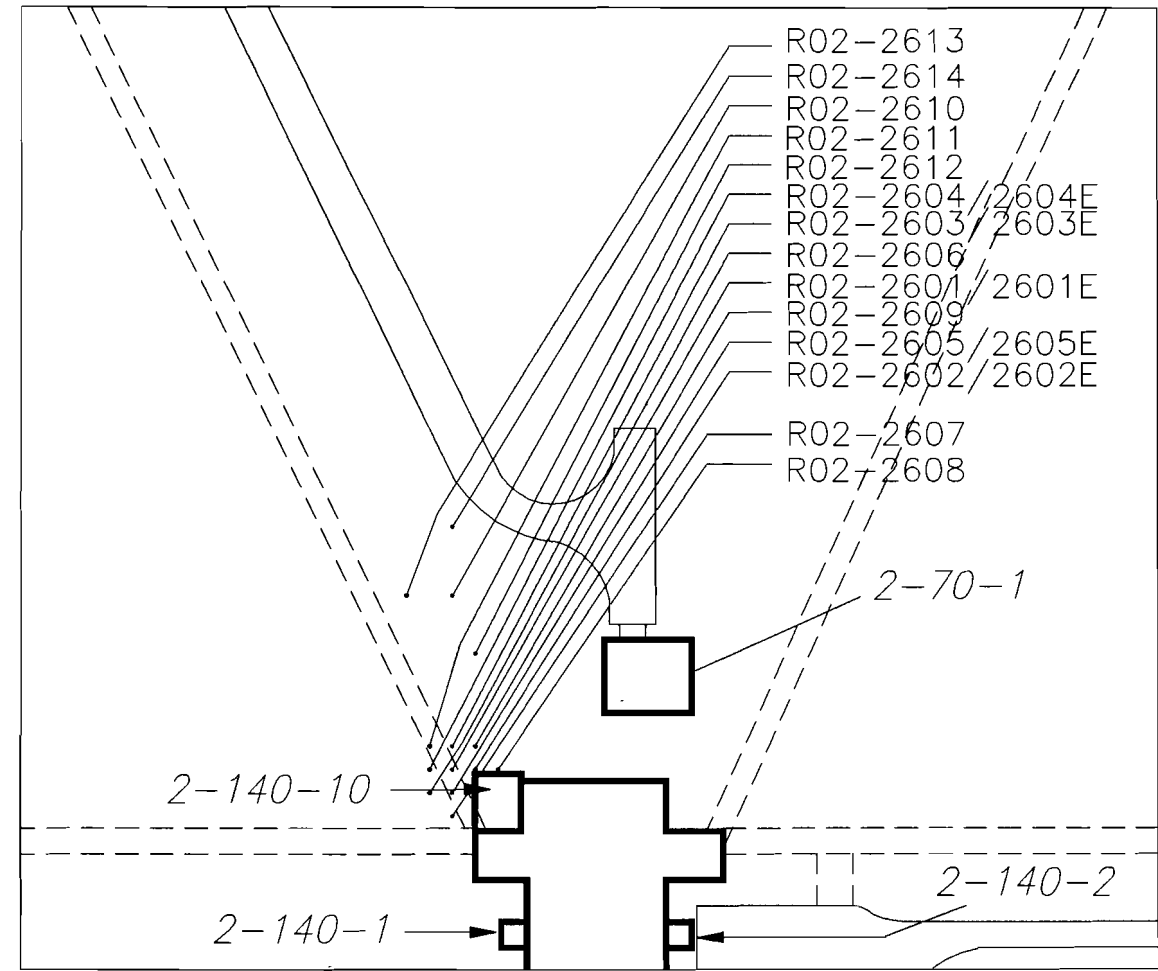
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 8
Node 2500

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SCRNB	DRAWN BY: L. ROLLE	PROJECT #: 2699
DATE: 4/22/98		SHT. 1 OF 1
		FIGURE: 6.2-7h



8 7 6 5 4 3 2 1



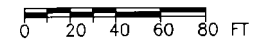
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



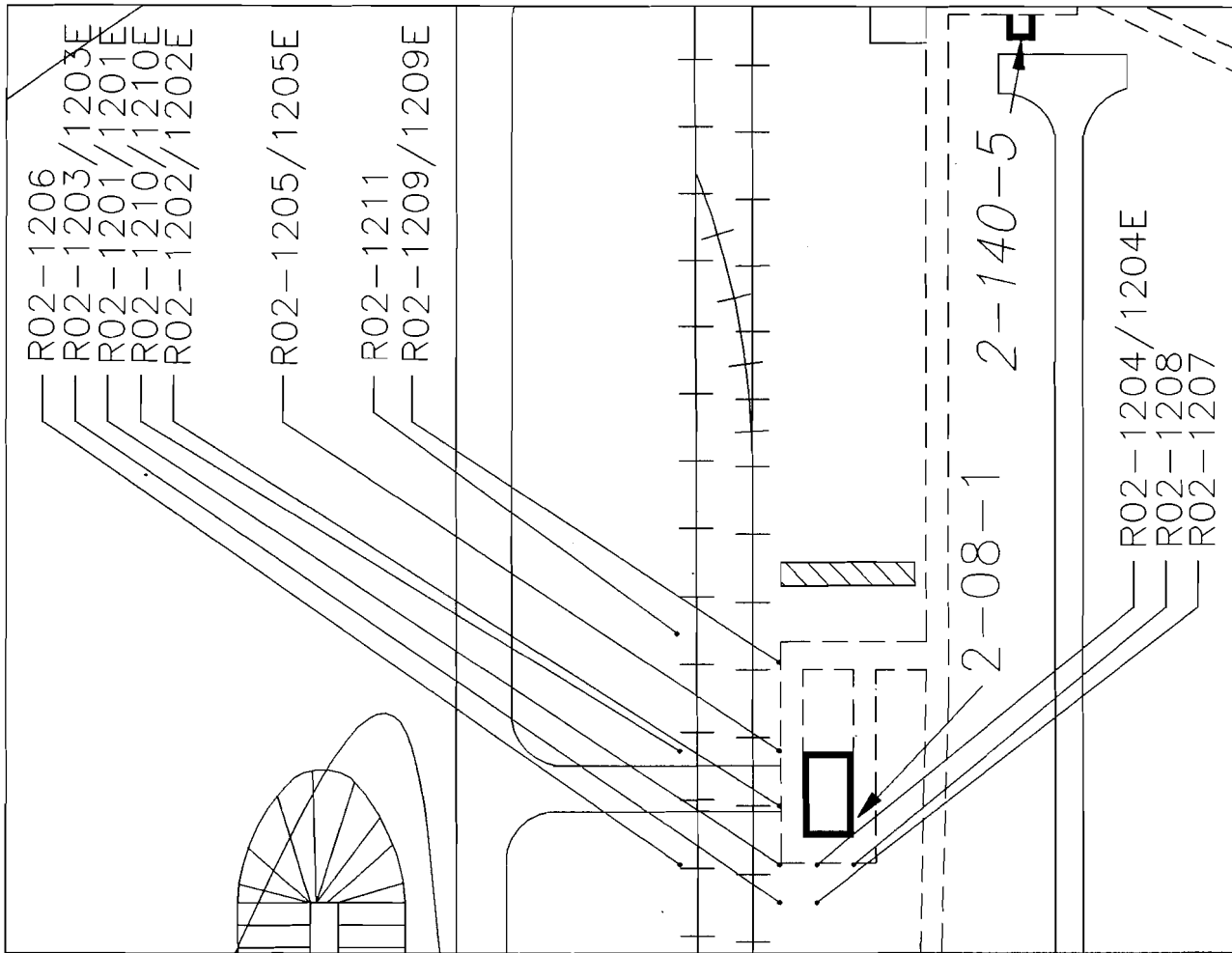
Prepared by: CADTECH



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

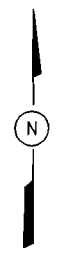
Site Map of IAAP R02
Line 2 Screening Samples - Page 9
Node 2600

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SCR#9	DRAWN BY: L. ROLLE PROJECT #: 2659	SHT. 1 OF 1
DATE 4/22/96		FIGURE: 6.2-71



LEGEND

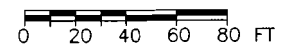
- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION



SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



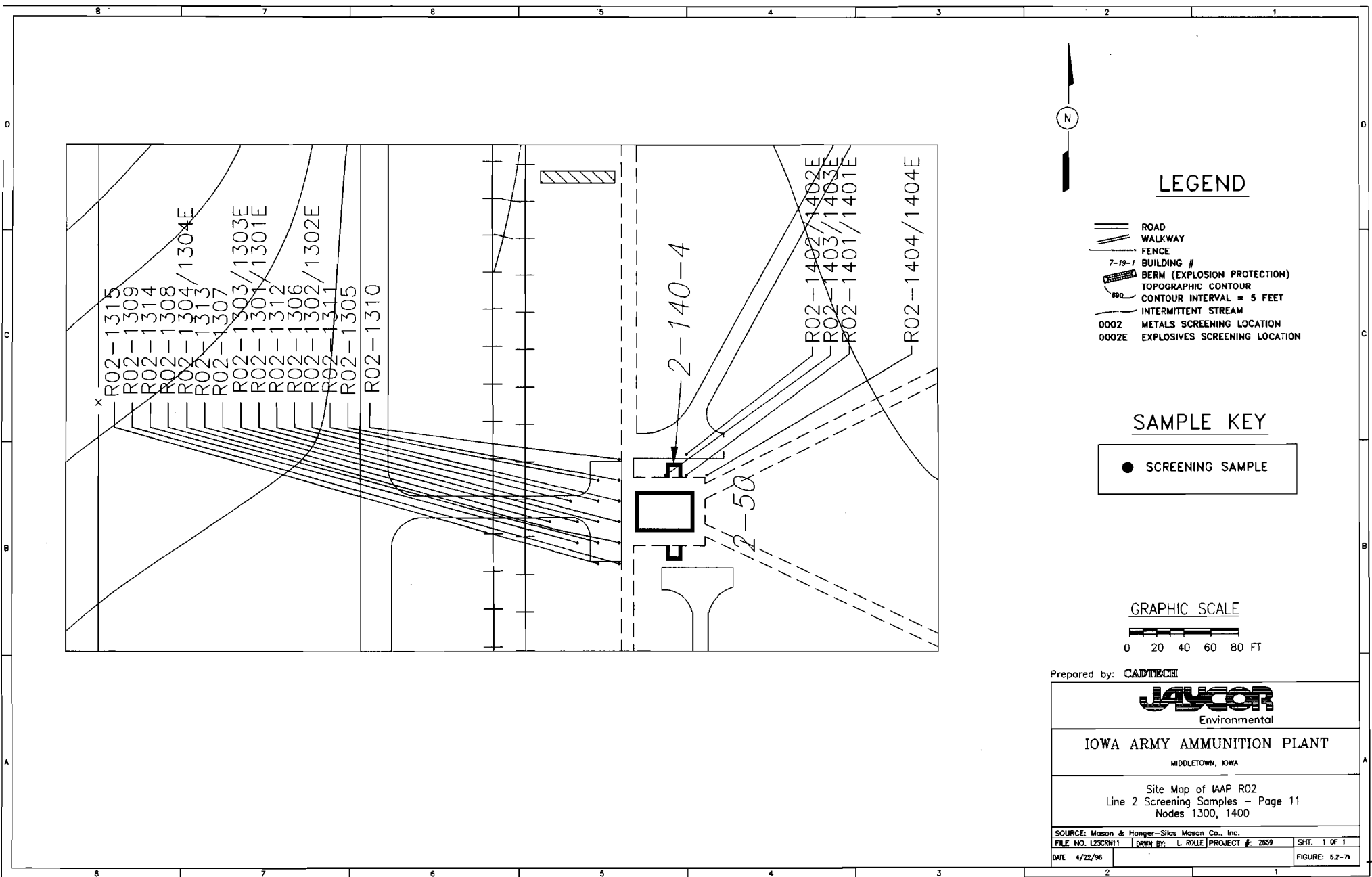
Prepared by: **CADTECH**



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 10
Node 1200

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			SHT. 1 OF 1
FILE NO. L2SCRM10	DRWN BY: L. ROLLE	PROJECT #: 2859	
DATE 4/22/98	FIGURE: 6.2-7j		



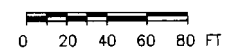
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

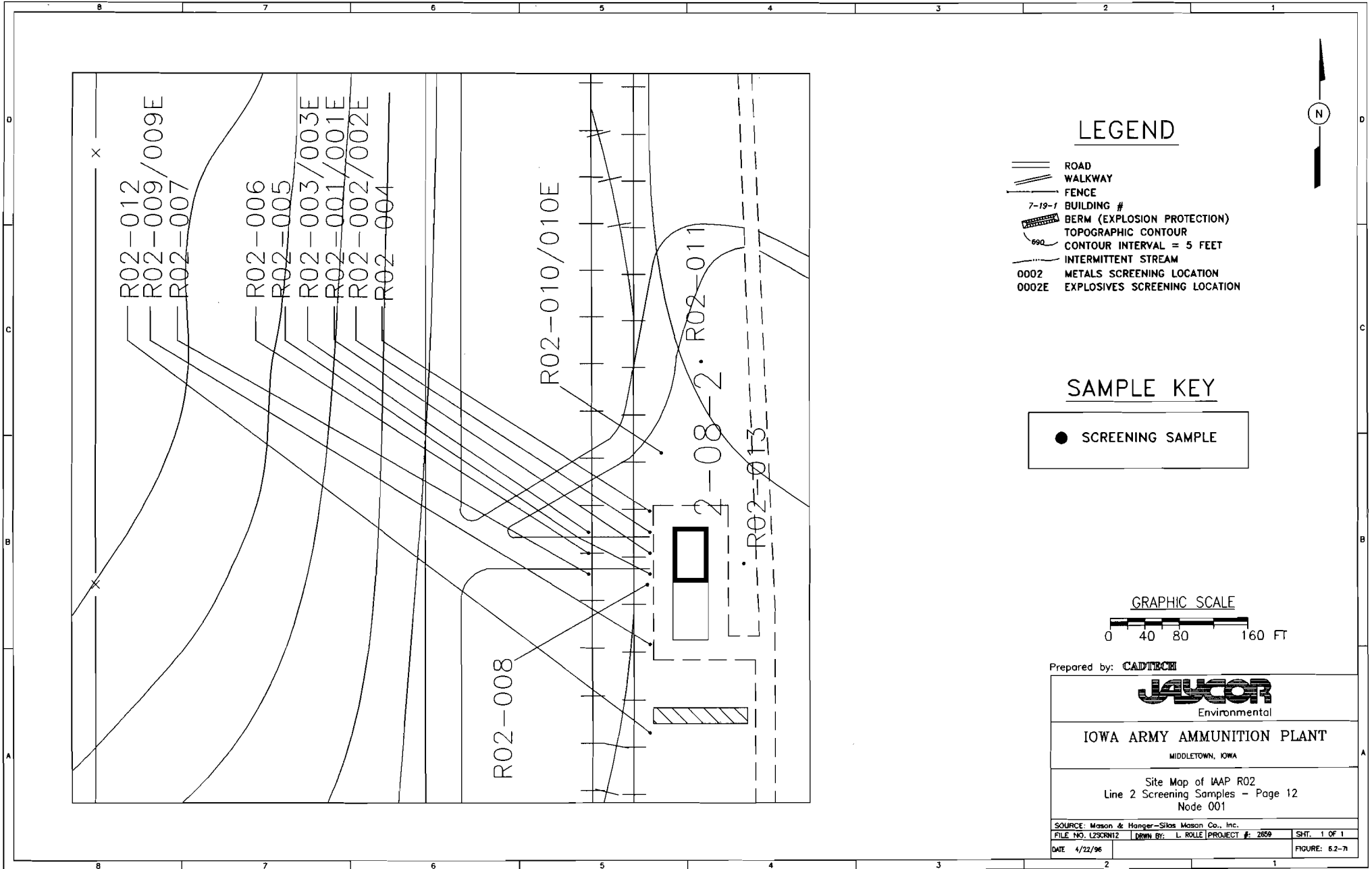
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 11
Nodes 1300, 1400

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SCRN11	DRWN BY: L. ROLLE	PROJECT #: 2859
DATE 4/22/96	SHT. 1 OF 1	
		FIGURE: 62-78

24



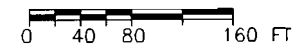
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

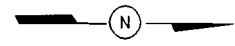
GRAPHIC SCALE



Prepared by: CADTECH

IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA		
Site Map of IAP R02 Line 2 Screening Samples - Page 12 Node 001		
SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SRN1Z	DRAWN BY: L. ROLLE	PROJECT #: 2859
DATE 4/22/96	SHEET 1 OF 1	FIGURE: 6.2-7

011



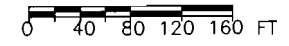
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

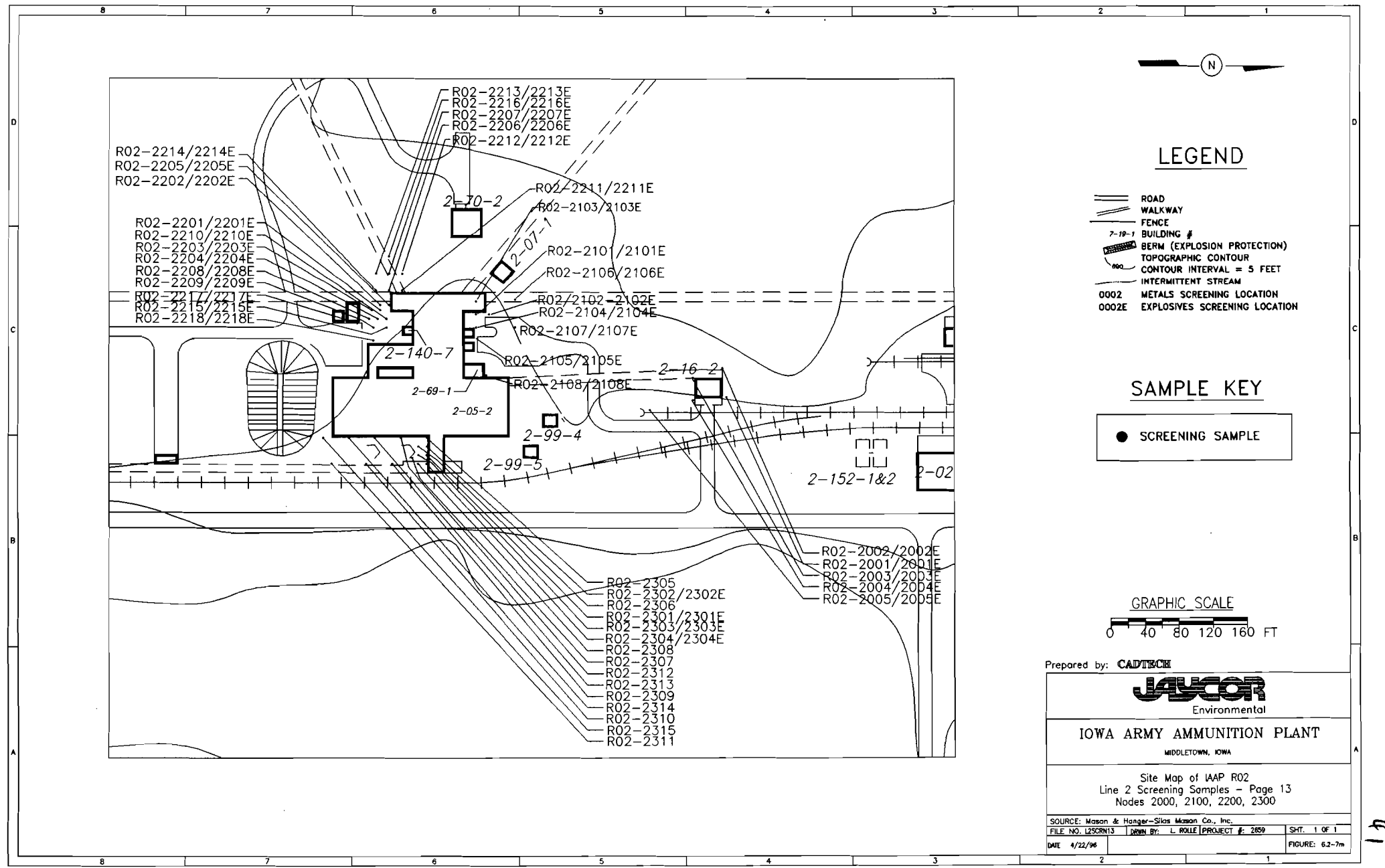
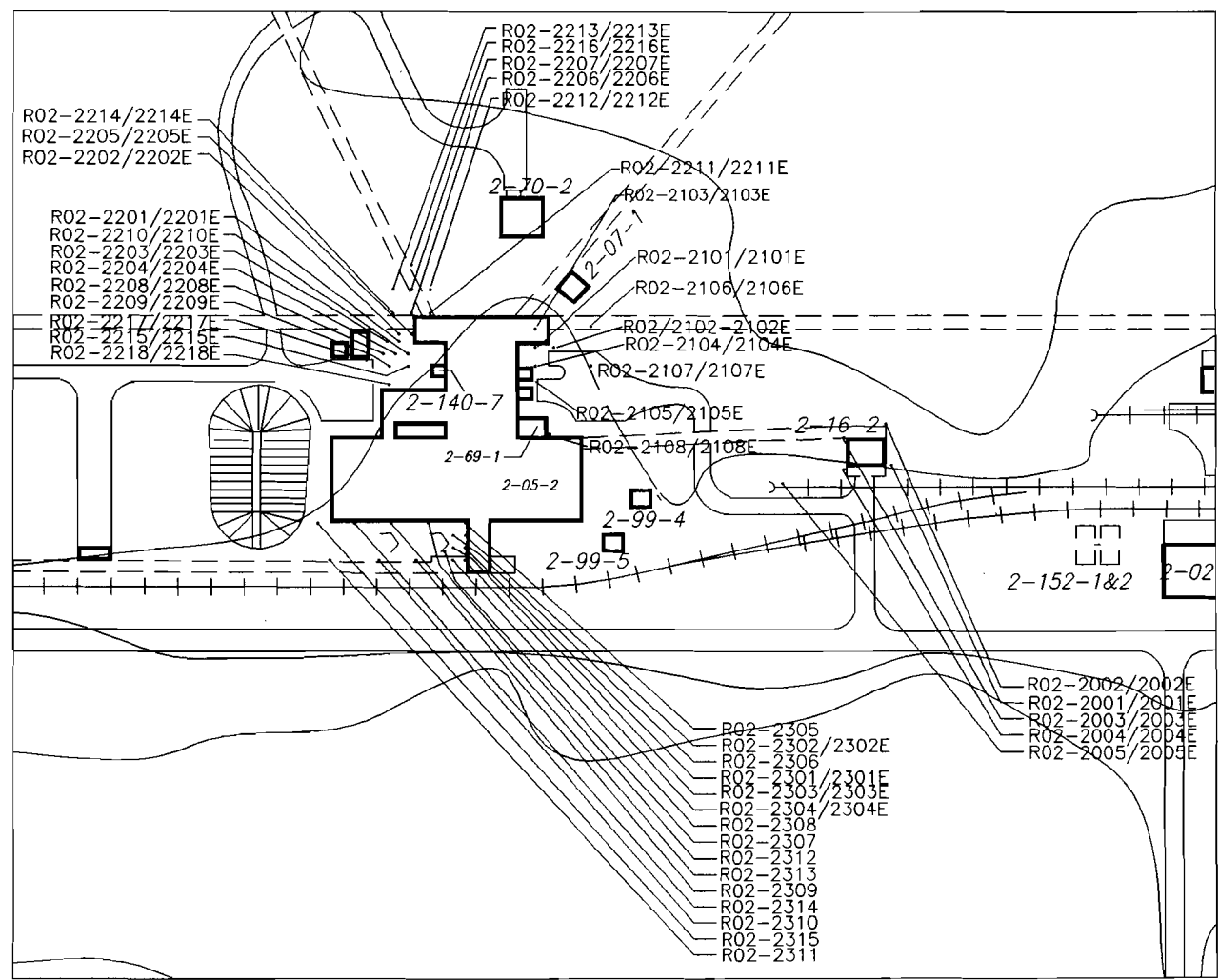


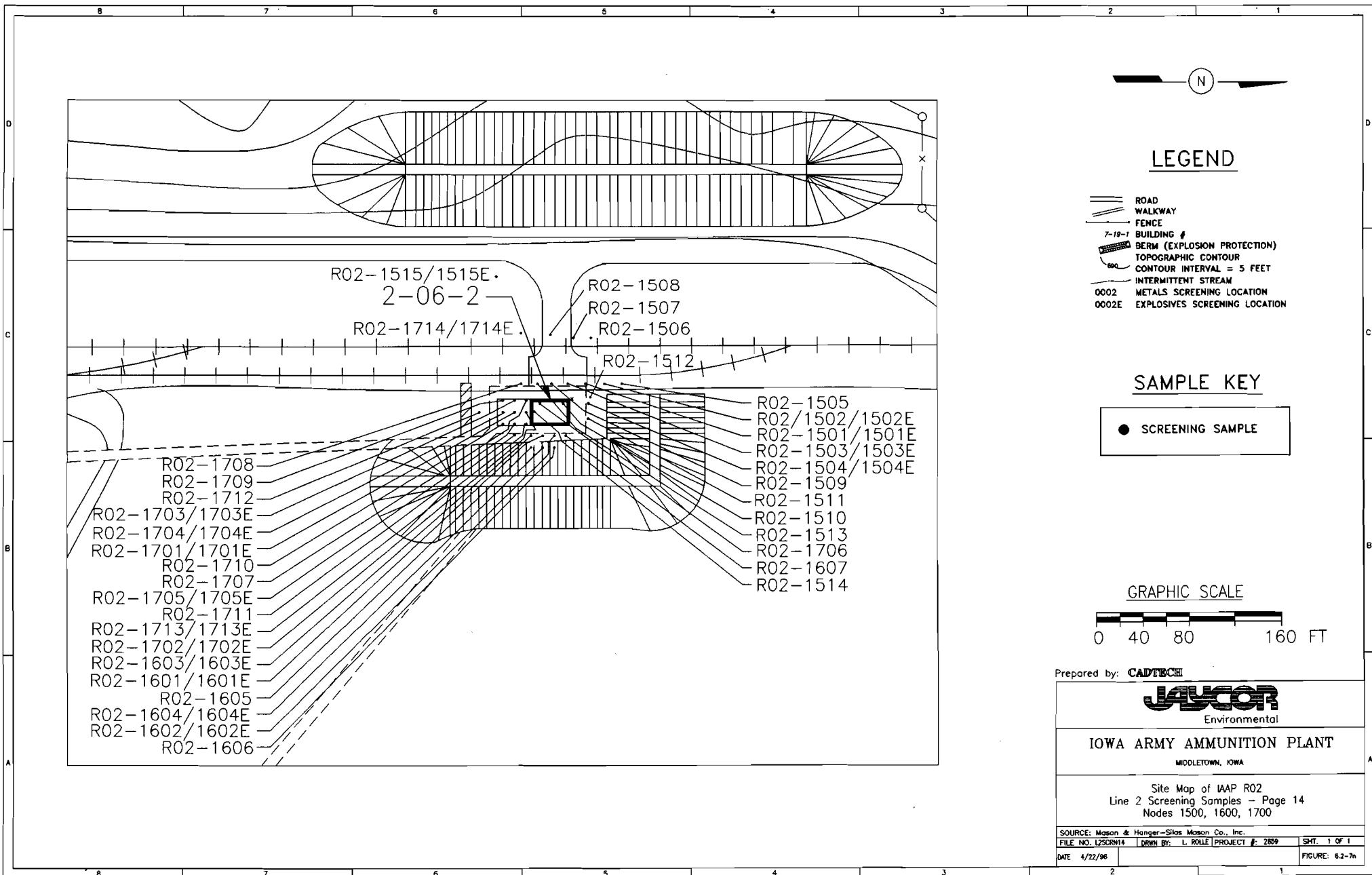
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples - Page 13
Nodes 2000, 2100, 2200, 2300

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L25CRN13	DRAWN BY: L. ROLLE	PROJECT #: 2859
DATE 4/22/96	SHT. 1 OF 1	
FIGURE: 6.2-7m		





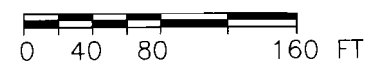
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

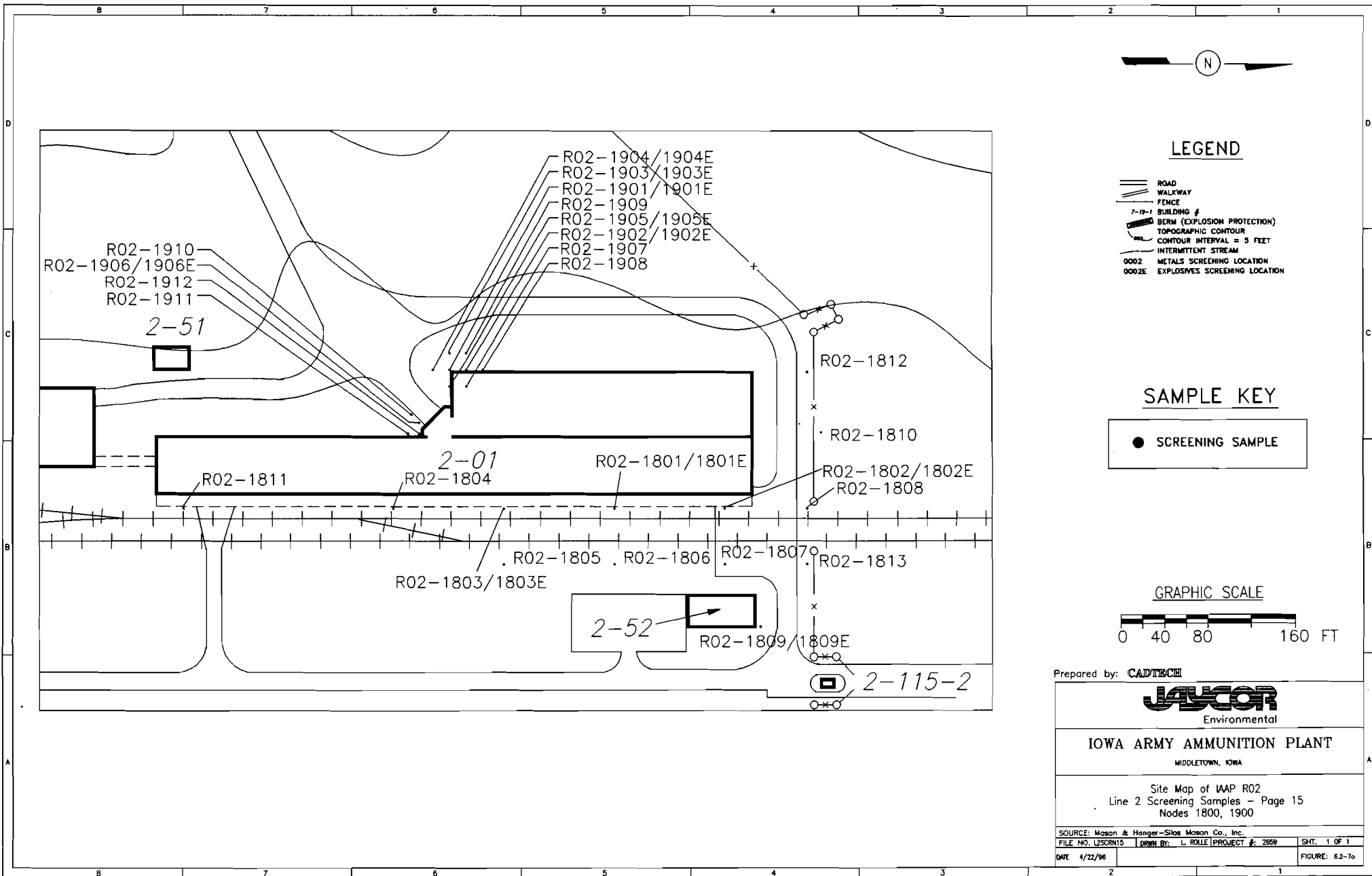
- SCREENING SAMPLE

GRAPHIC SCALE

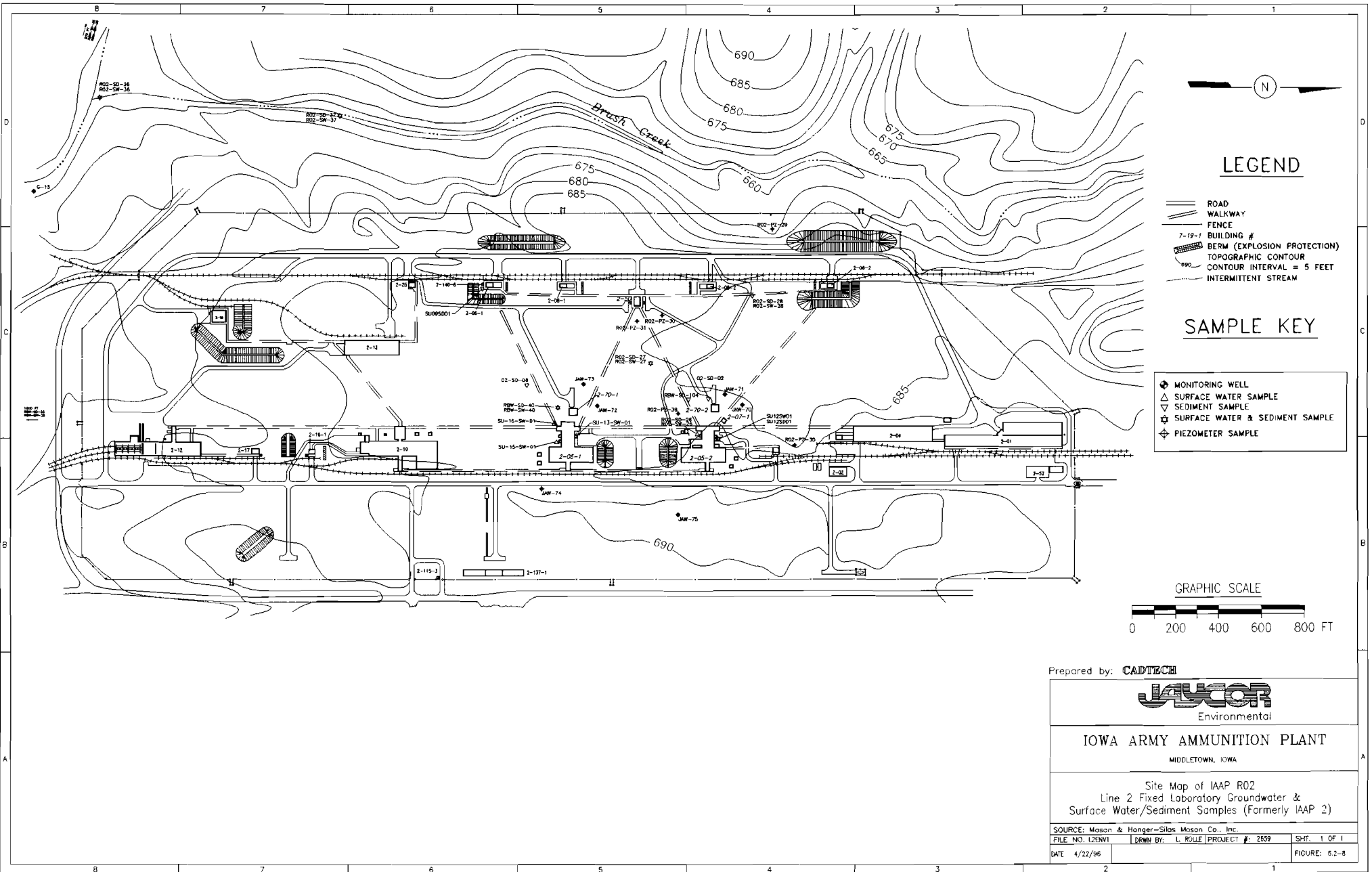


Prepared by: CADTECH

JACOR Environmental	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Site Map of IAWA R02 Line 2 Screening Samples - Page 14 Nodes 1500, 1600, 1700	
SOURCE: Mason & Hanger-Silas Mason Co., Inc.	
FILE NO. L2SCRN14	DRAWN BY: L. ROLLE PROJECT #: 2859
DATE 4/22/96	SMT. 1 OF 1 FIGURE: 6.2-7n



42



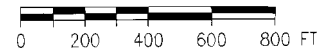
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

SAMPLE KEY

- MONITORING WELL
- SURFACE WATER SAMPLE
- SEDIMENT SAMPLE
- SURFACE WATER & SEDIMENT SAMPLE
- PIEZOMETER SAMPLE

GRAPHIC SCALE



Prepared by: **CADTECH**



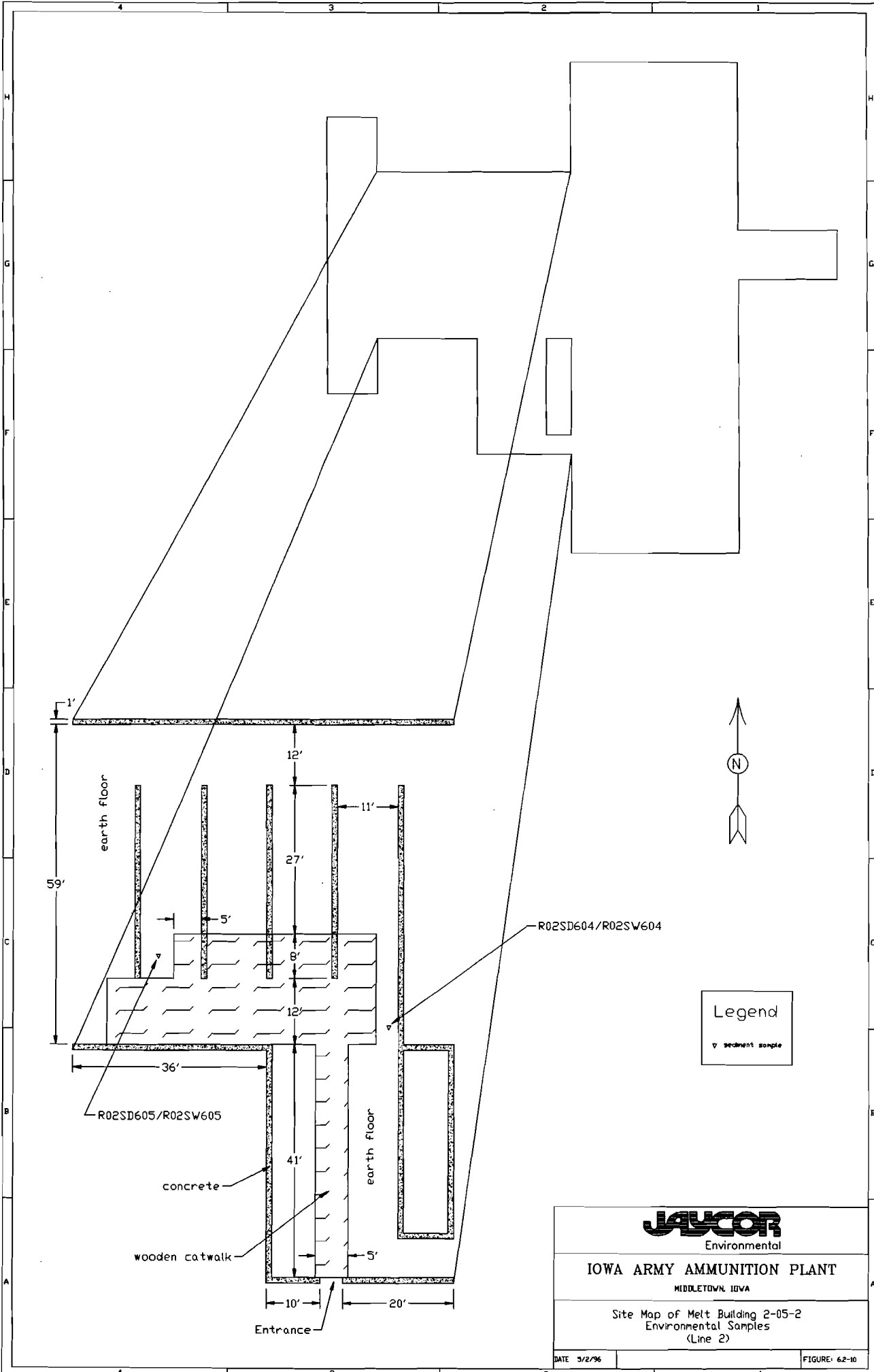
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

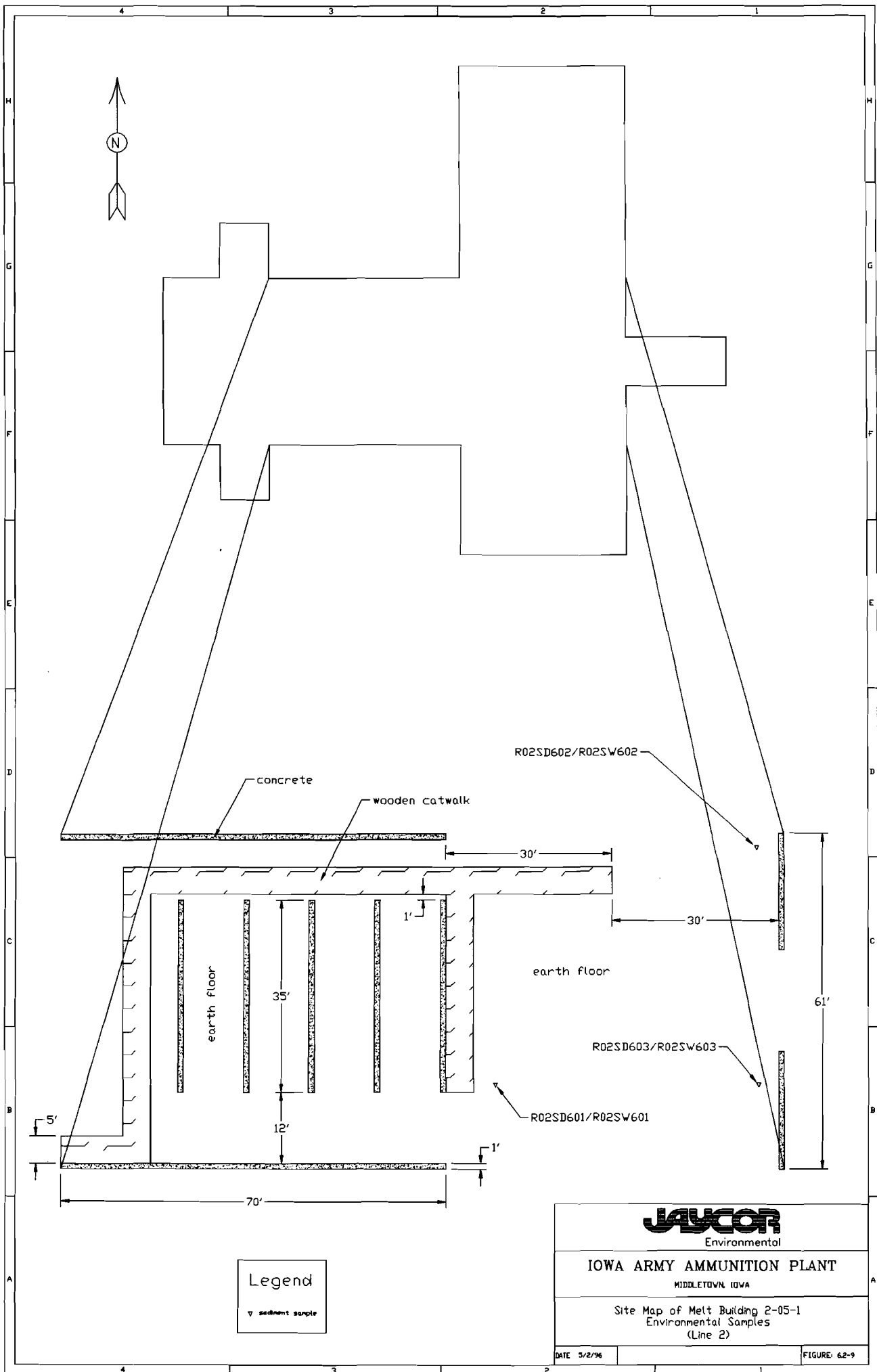
Site Map of IAP R02
Line 2 Fixed Laboratory Groundwater &
Surface Water/Sediment Samples (Formerly IAP 2)

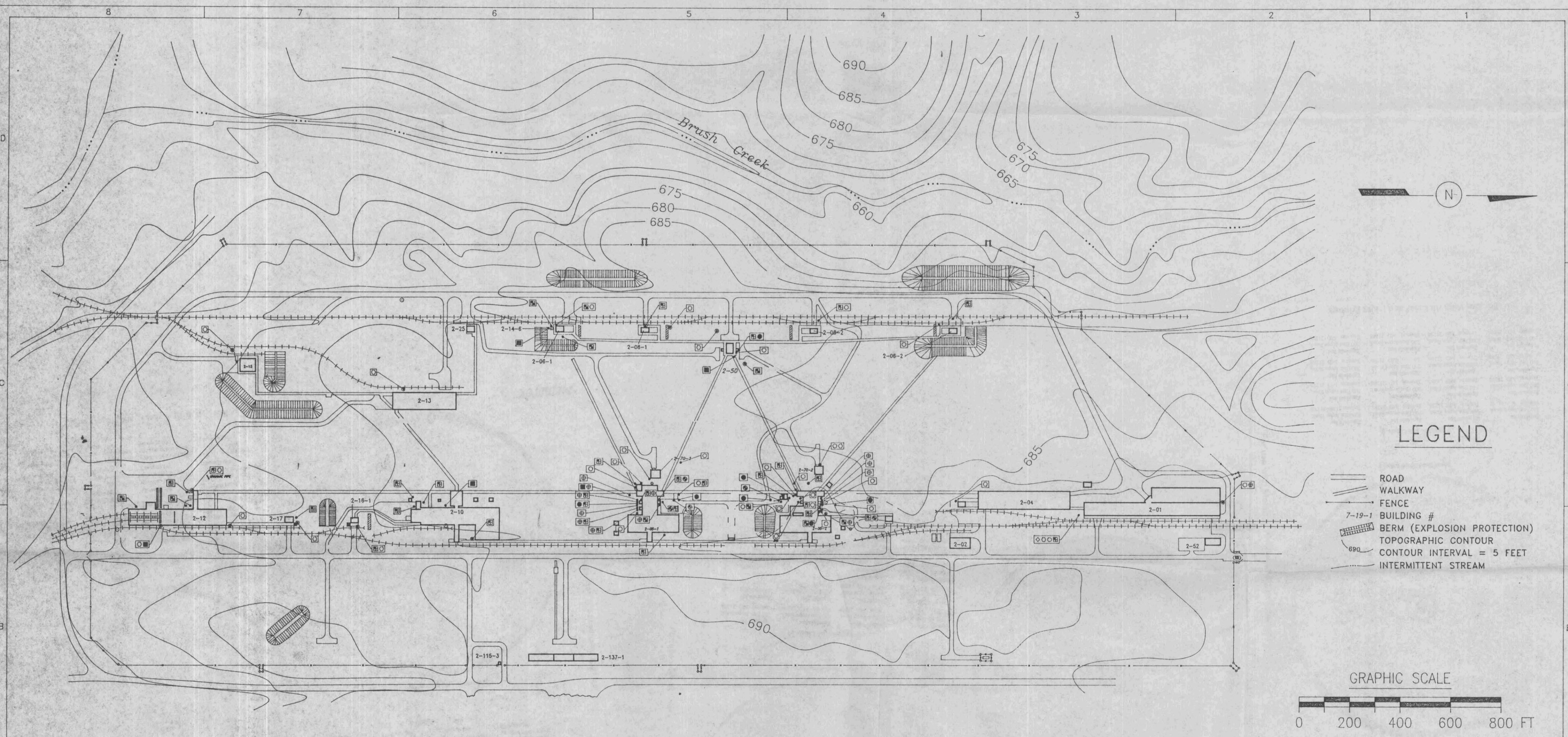
SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2ENV1	DRAWN BY: L. ROLLE PROJECT #: 2859	SHE. 1 OF 1
DATE 4/22/96		FIGURE: 6.2-B

h7



JAYCOR Environmental	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Site Map of Melt Building 2-05-2 Environmental Samples (Line 2)	
DATE 3/2/96	FIGURE 62-10

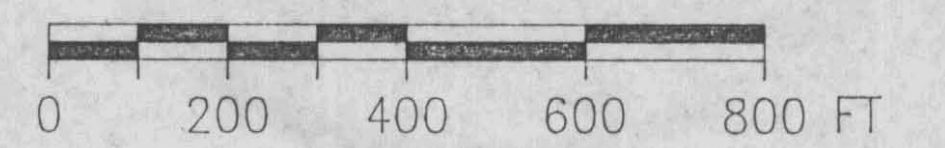




LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

GRAPHIC SCALE



CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊞	⊠	⊡	■
Explosives,	○	⊕	⊗	⊙	●
Volatiles	◇	⊠	⊡	⊣	◆
Semi-volatiles	◇	⊕	⊗	⊙	●

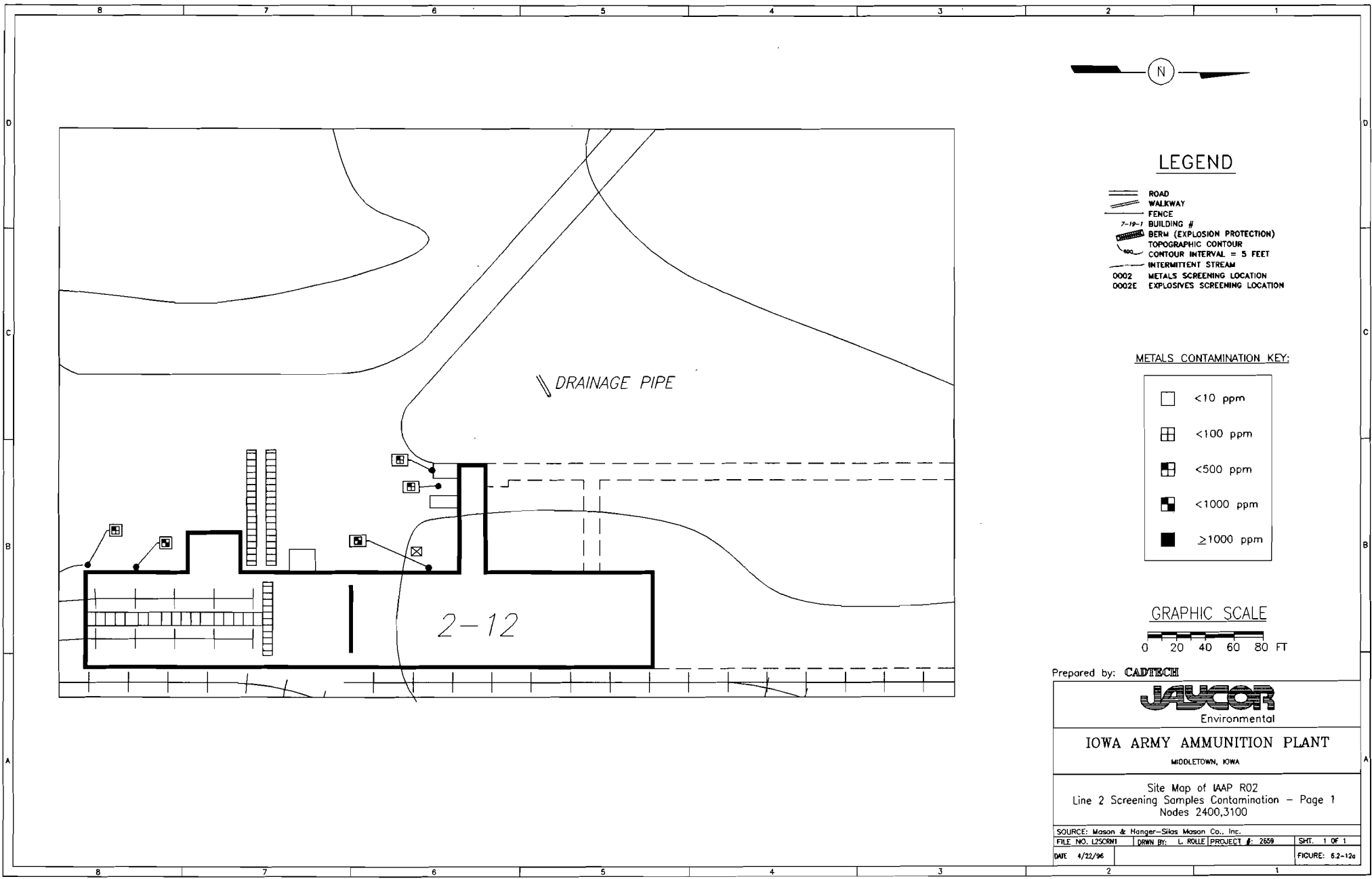
Prepared by: CADTECH



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Soils Contamination
(Formerly IAAP 2)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.
FILE NO. L2SL1 DRWN BY: L. ROLLE PROJECT #: 2659 SHT. 1 OF 1
DATE 4/18/96 FIGURE: 6.2-11



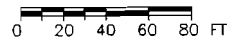
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-12-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

	<10 ppm
	<100 ppm
	<500 ppm
	<1000 ppm
	≥1000 ppm

GRAPHIC SCALE



Prepared by: **CADTECH**

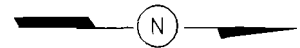
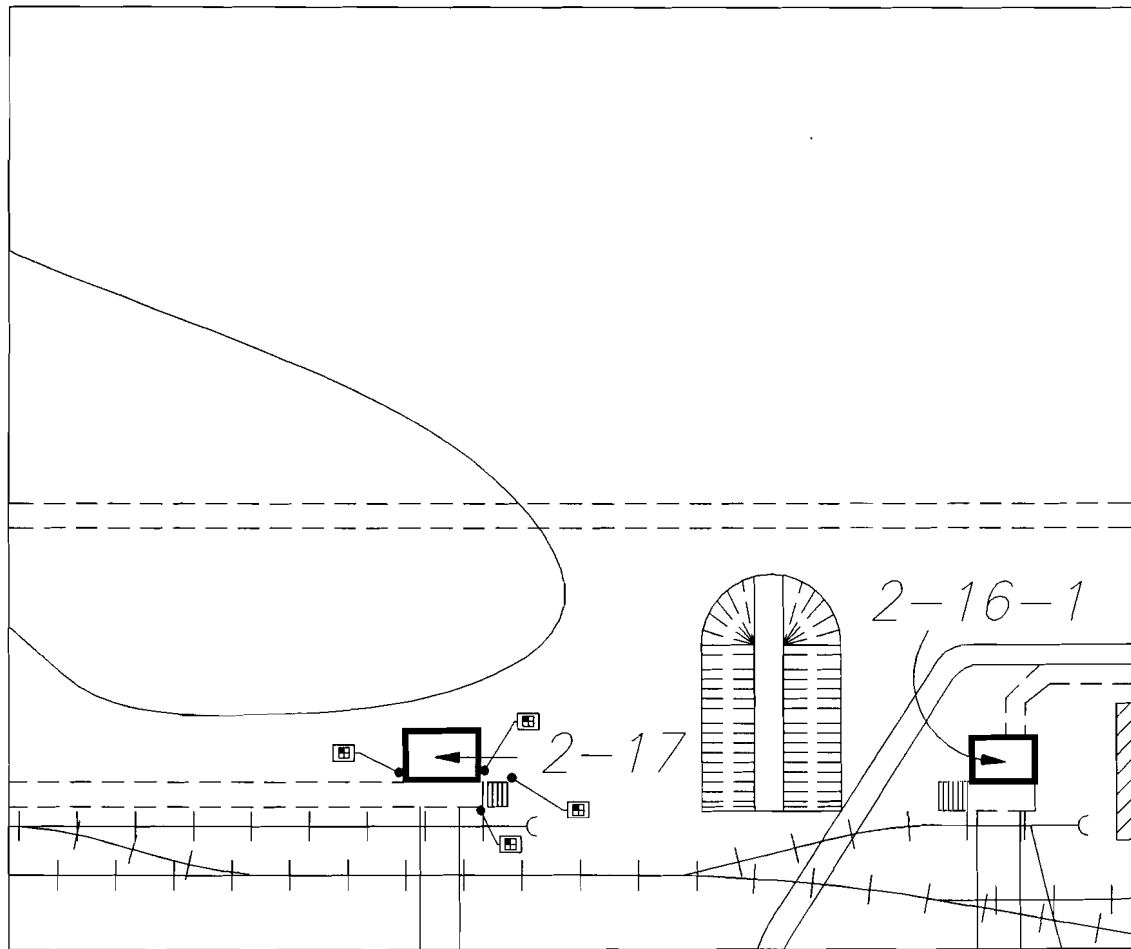
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 1
Nodes 2400,3100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.	DATE: 4/22/96	OWN BY: L. ROLLE	PROJECT #: 2659	SHT. 1 OF 1
FIGURE: 6.2-12a				

47



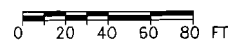
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

	<10 ppm
	<100 ppm
	<500 ppm
	<1000 ppm
	≥1000 ppm

GRAPHIC SCALE



Prepared by: CADTECH

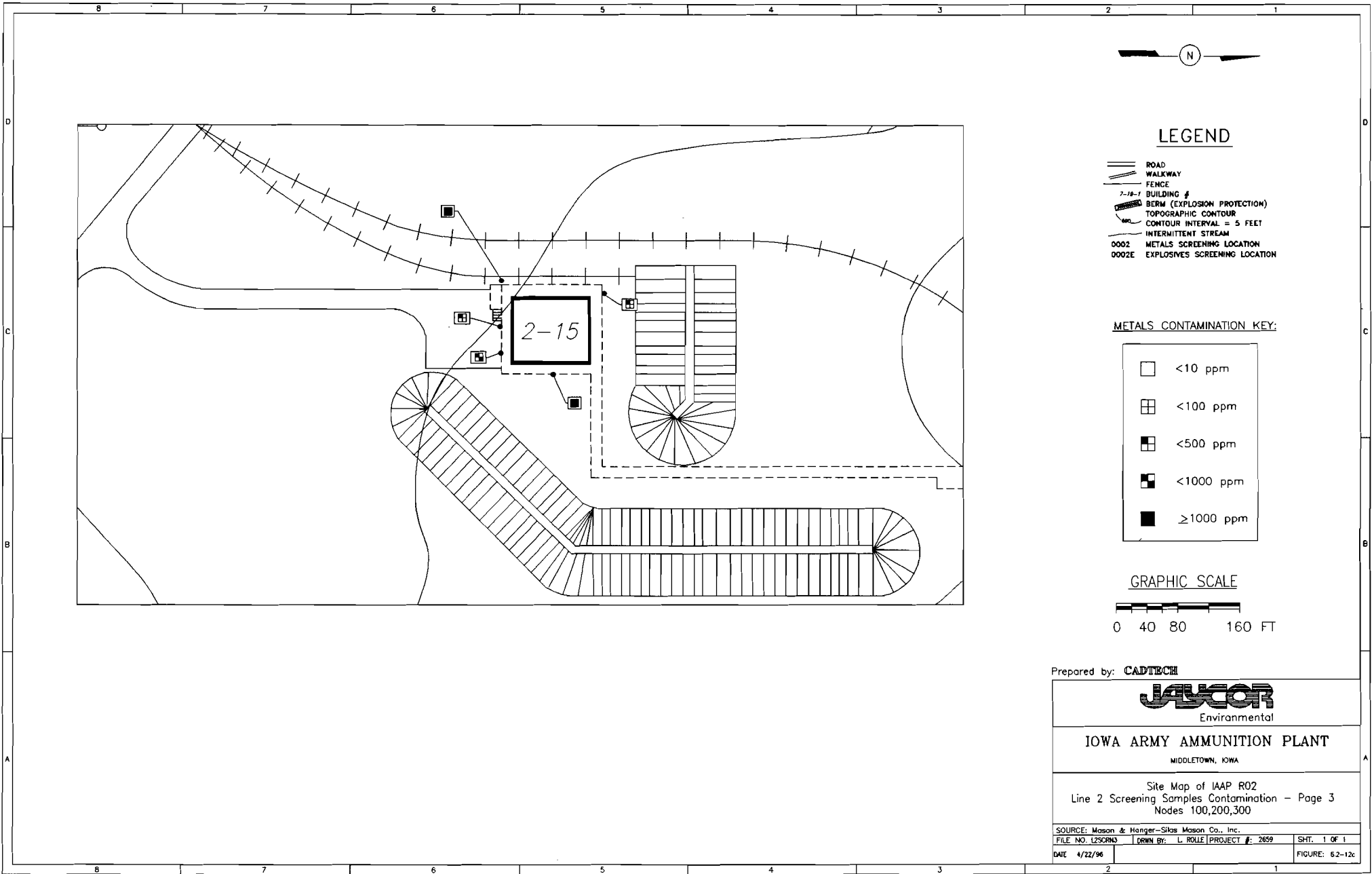


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 2
Nodes 2900,3000

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L25CRN2	DRAWN BY: L. ROLLE	PROJECT #: 2659	FIGURE: 6.2-12b
DATE: 4/22/96			

87



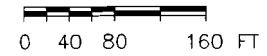
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-16-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

	<10 ppm
	<100 ppm
	<500 ppm
	<1000 ppm
	≥1000 ppm

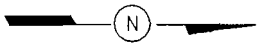
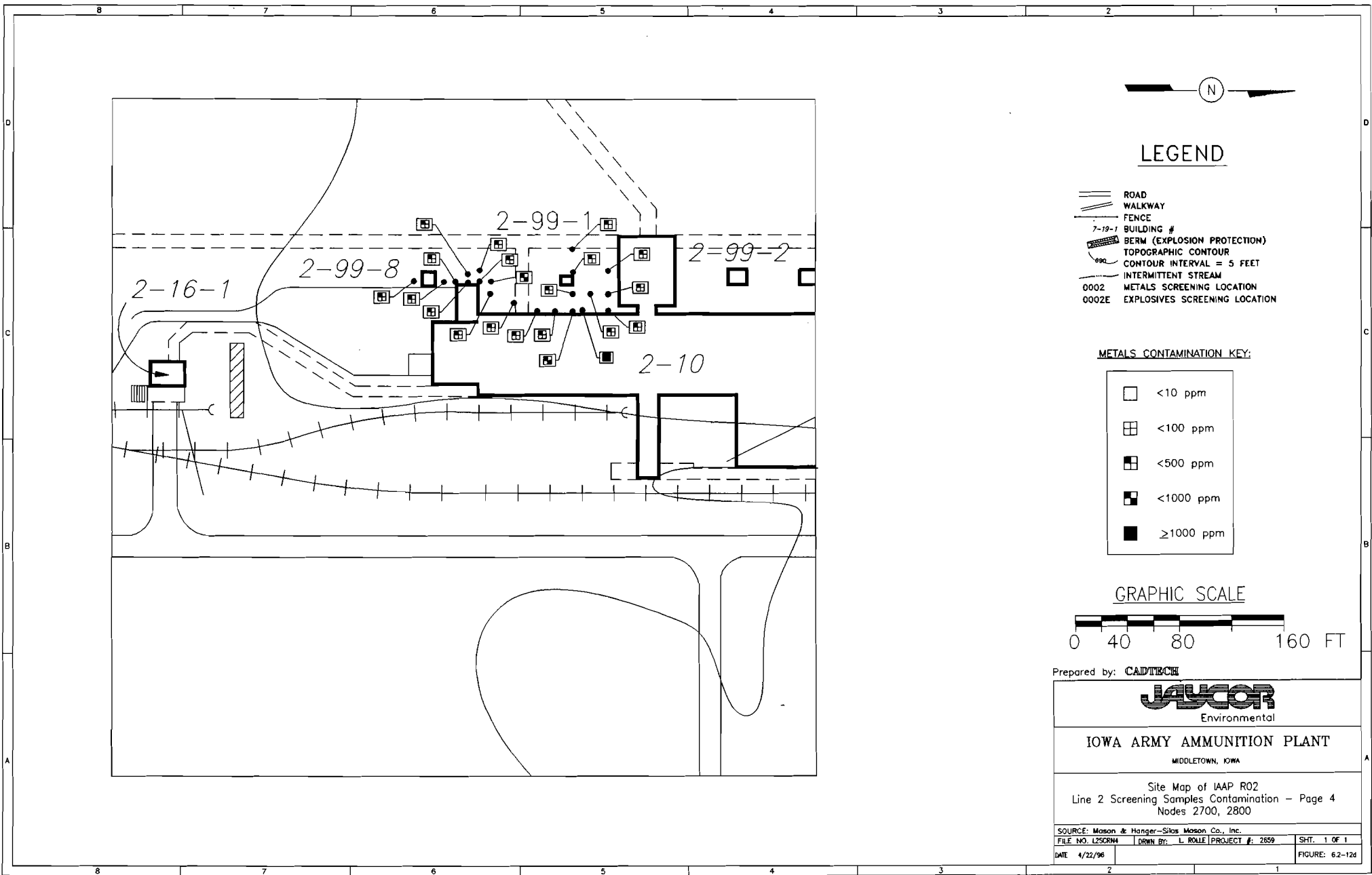
GRAPHIC SCALE



Prepared by: **CADTECH**

IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Site Map of IAAP R02 Line 2 Screening Samples Contamination - Page 3 Nodes 100,200,300	
SOURCE: Mason & Hanger-Silas Mason Co., Inc.	
FILE NO. 1230RND	DATE 4/22/96
DRAWN BY: L. ROLLE	PROJECT #: 2659
DATE 4/22/96	FIGURE: 6.2-12c
SHT: 1 OF 1	

b7



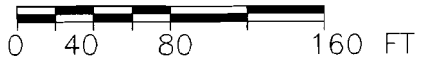
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

- <10 ppm
- <100 ppm
- <500 ppm
- <1000 ppm
- ≥1000 ppm

GRAPHIC SCALE



Prepared by: CADTECH

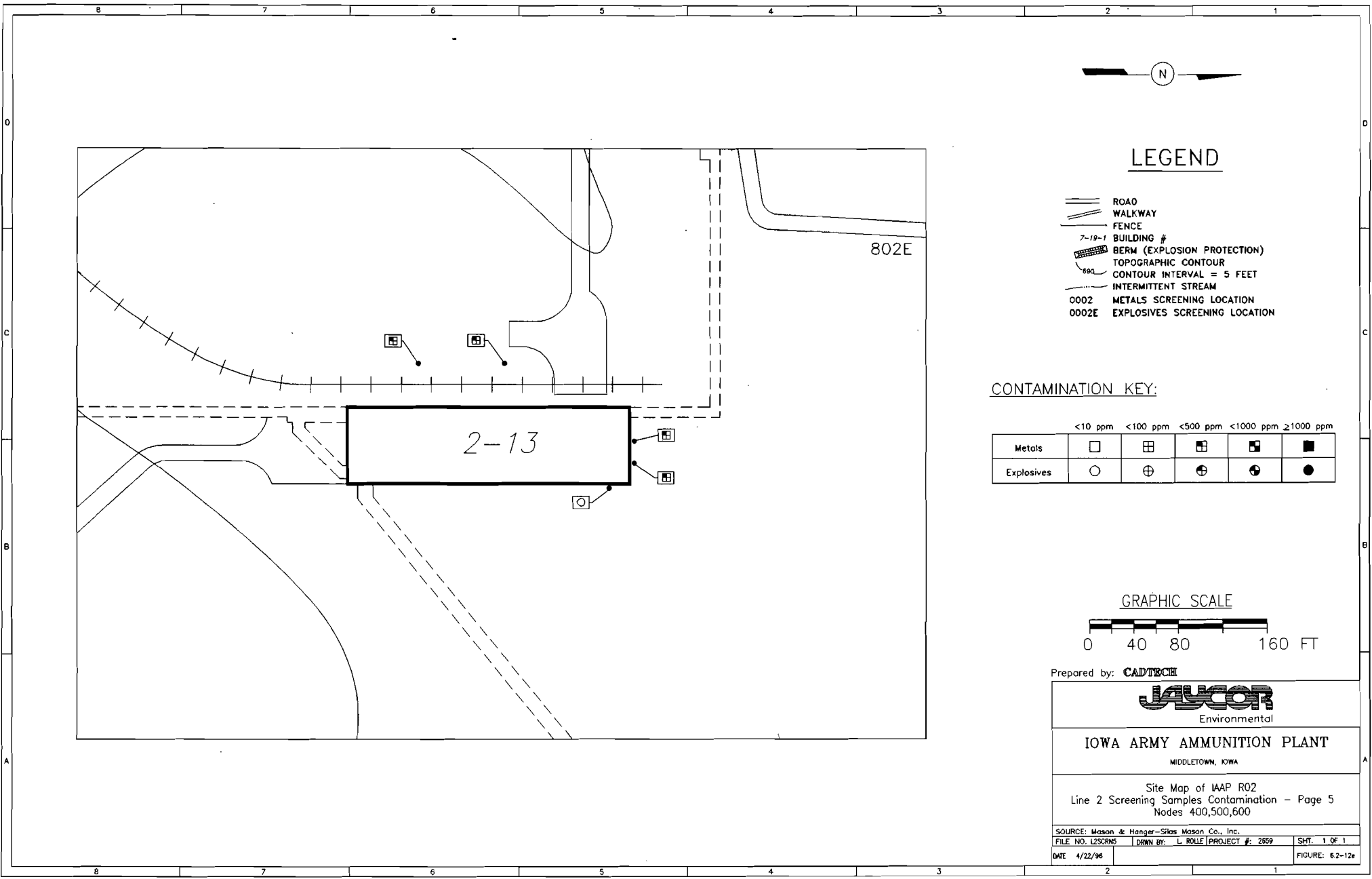


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 4
Nodes 2700, 2800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2SCRM4	DRWN BY: L. ROLLE	PROJECT #: 2659
DATE: 4/22/96		FIGURE: 6.2-12d

55



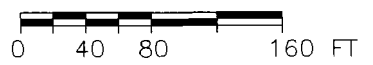
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



Prepared by: CADTECH

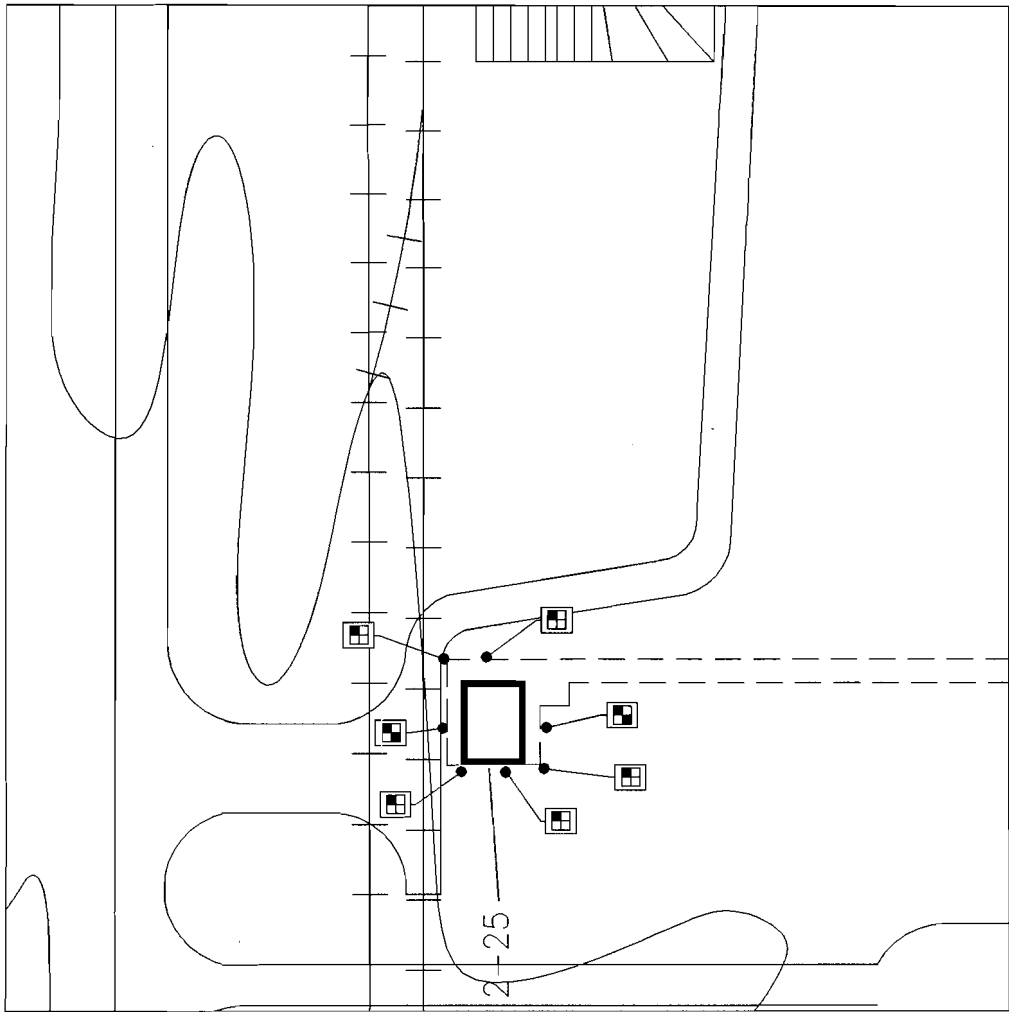


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 5
Nodes 400,500,600

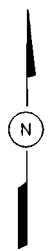
SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L2SCR05	DRAWN BY: L. ROLLE	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/22/96			FIGURE: 6.2-12e

51



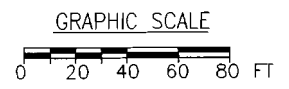
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION



METALS CONTAMINATION KEY:

- <10 ppm
- <100 ppm
- <500 ppm
- <1000 ppm
- ≥1000 ppm



Prepared by: **CADTECH**

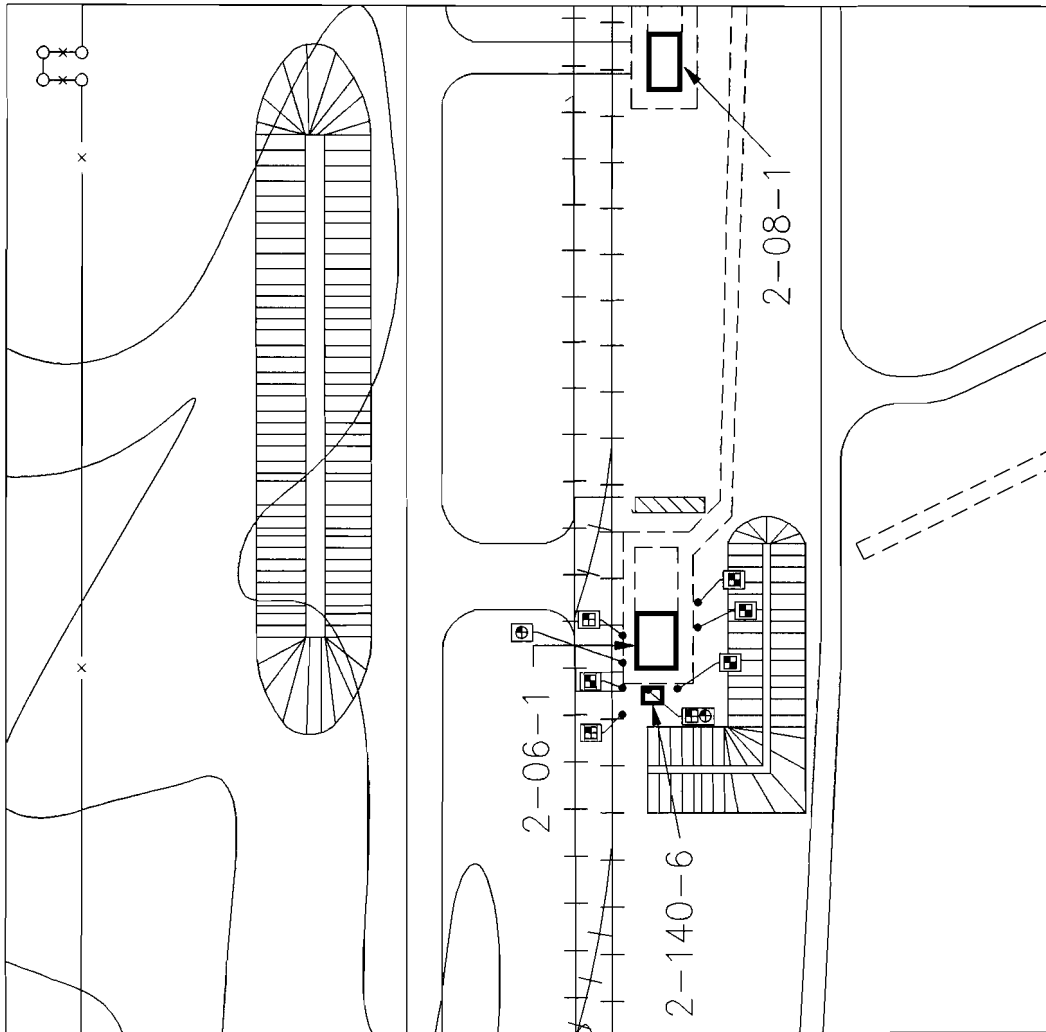
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 6
Nodes 700,800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L2SCRM6	DRAWN BY: L. ROLLE	PROJECT #: 2859	FIGURE: 6.2-127
DATE 4/22/96			

5-2



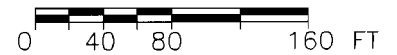
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



Prepared by: CADTECH

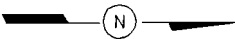
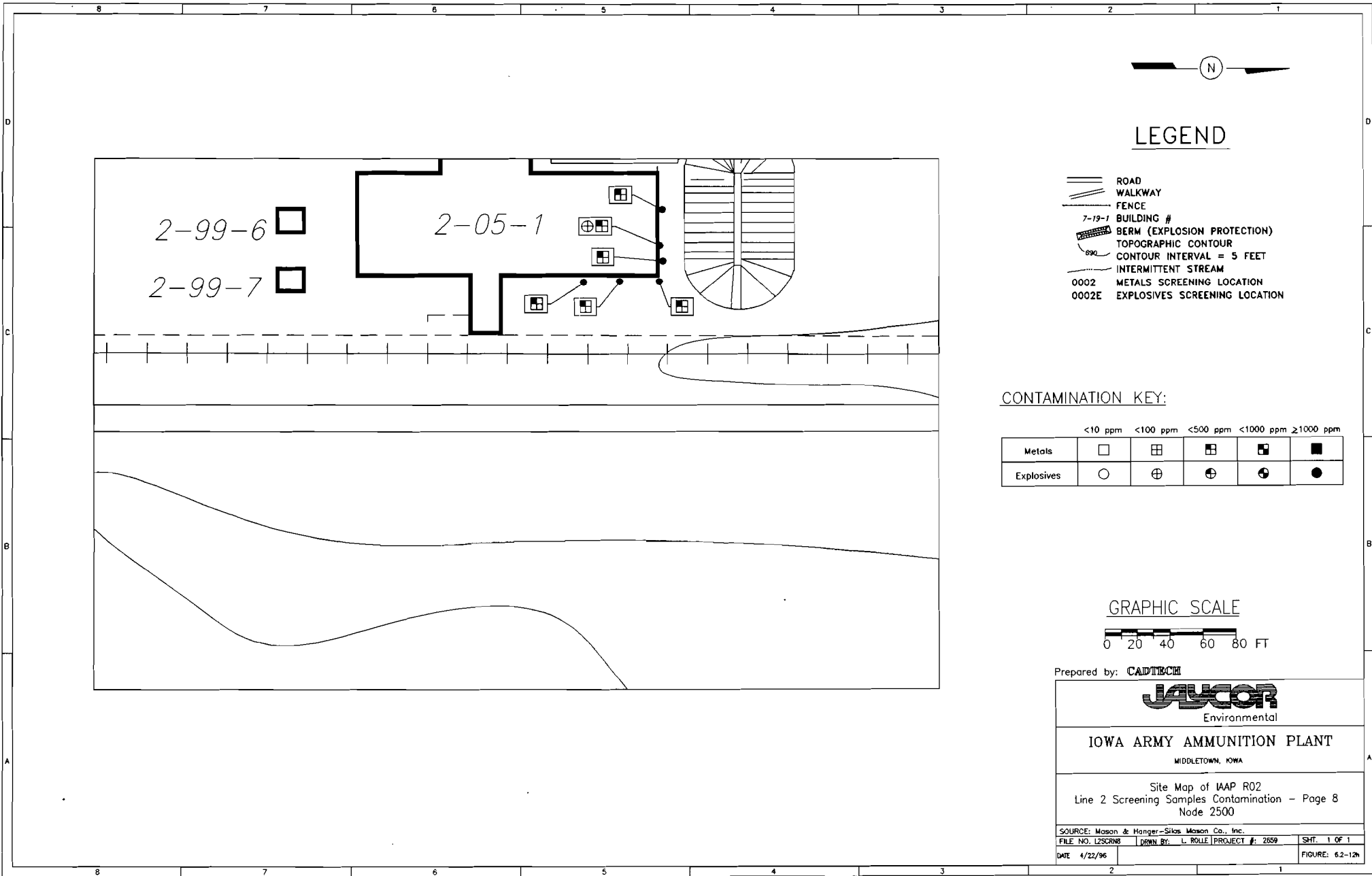


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAWP R02
Line 2 Screening Samples Contamination - Page 7
Nodes 900,1000,1100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L230XW7	DRAWN BY: L. ROLLE	PROJECT #: 2659	FIGURE: 62-12g
DATE 4/22/96			

53



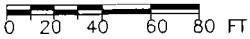
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



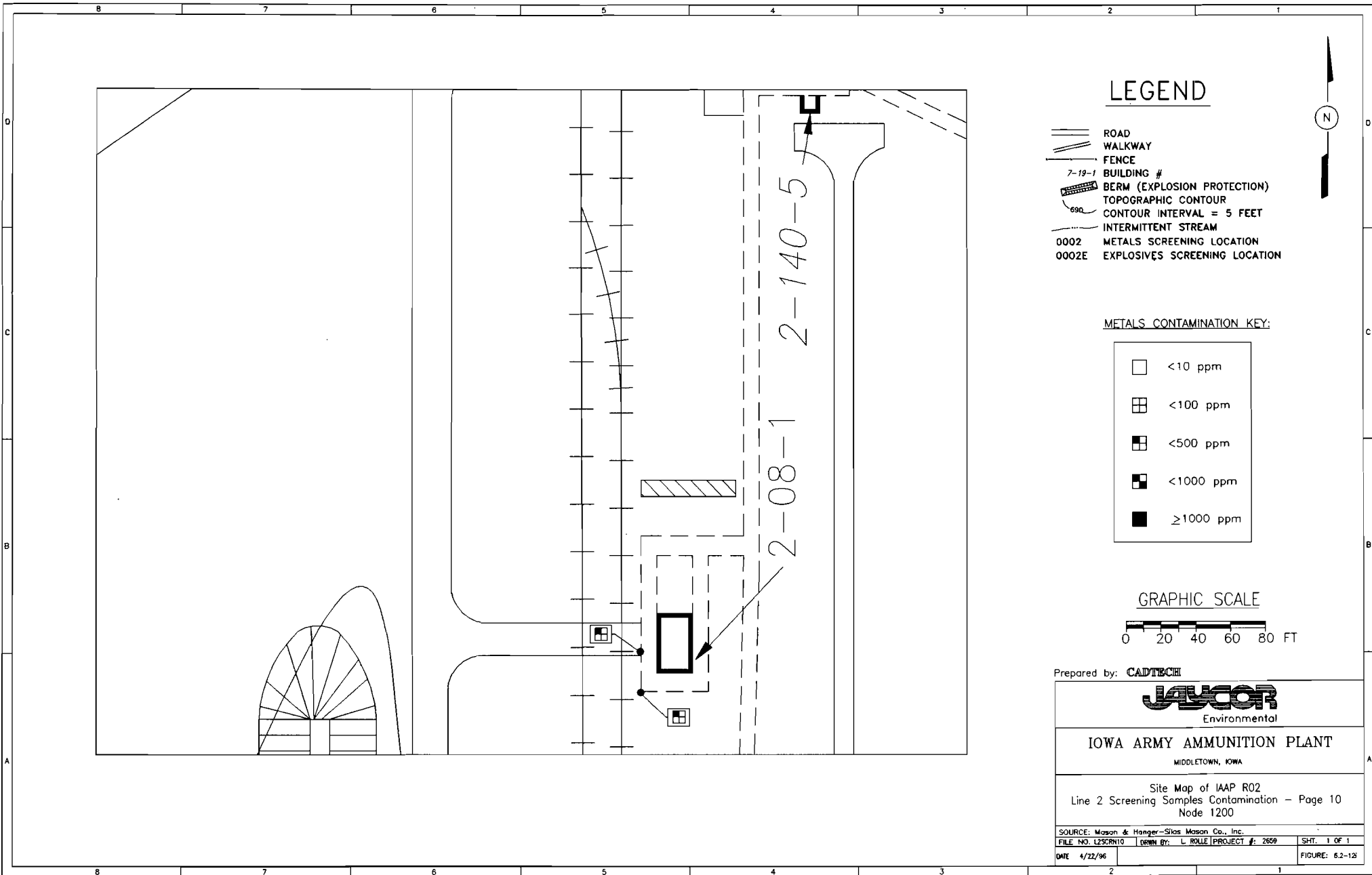
Prepared by: **CADTECH**

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 8
Node 2500

SOURCE: Mason & Hanger-Silas Mason Co., Inc.
FILE NO. L2SCRNB | DRAWN BY: L. ROLLE | PROJECT #: 2659 | SHEET: 1 OF 1
DATE: 4/22/96 | FIGURE: 6.2-12a

5



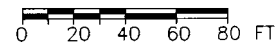
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

- <10 ppm
- <100 ppm
- <500 ppm
- <1000 ppm
- >=1000 ppm

GRAPHIC SCALE



Prepared by: CADTECH

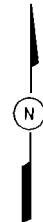
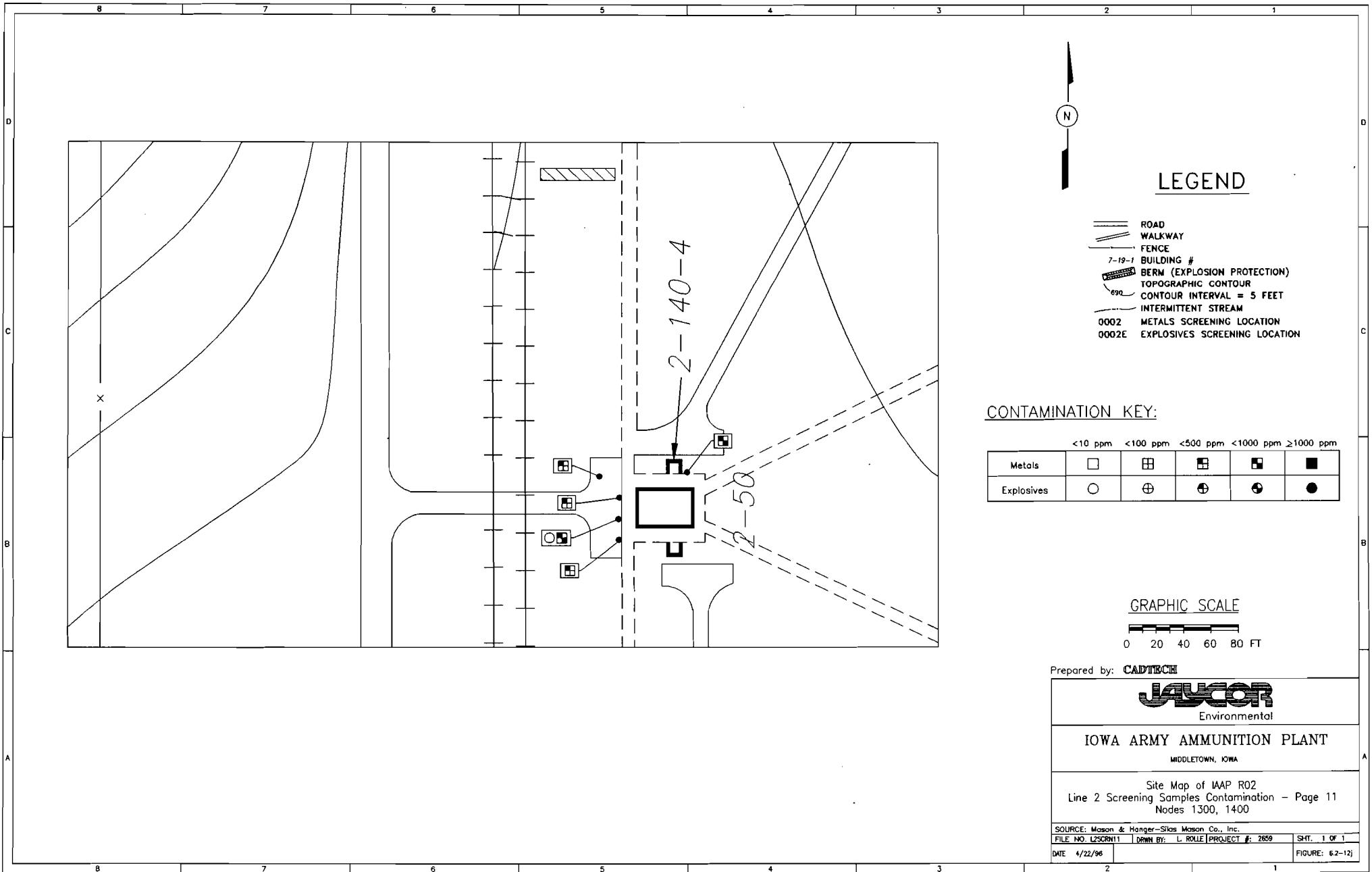


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 10
Node 1200

SOURCE: Mason & Hanger-Silas Mason Co., Inc.	FILE NO. L2SCRN10	DRAWN BY: L. ROLLE	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/22/96				FIGURE: 6.2-12

55



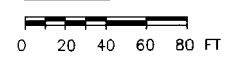
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



Prepared by: **CADTECH**

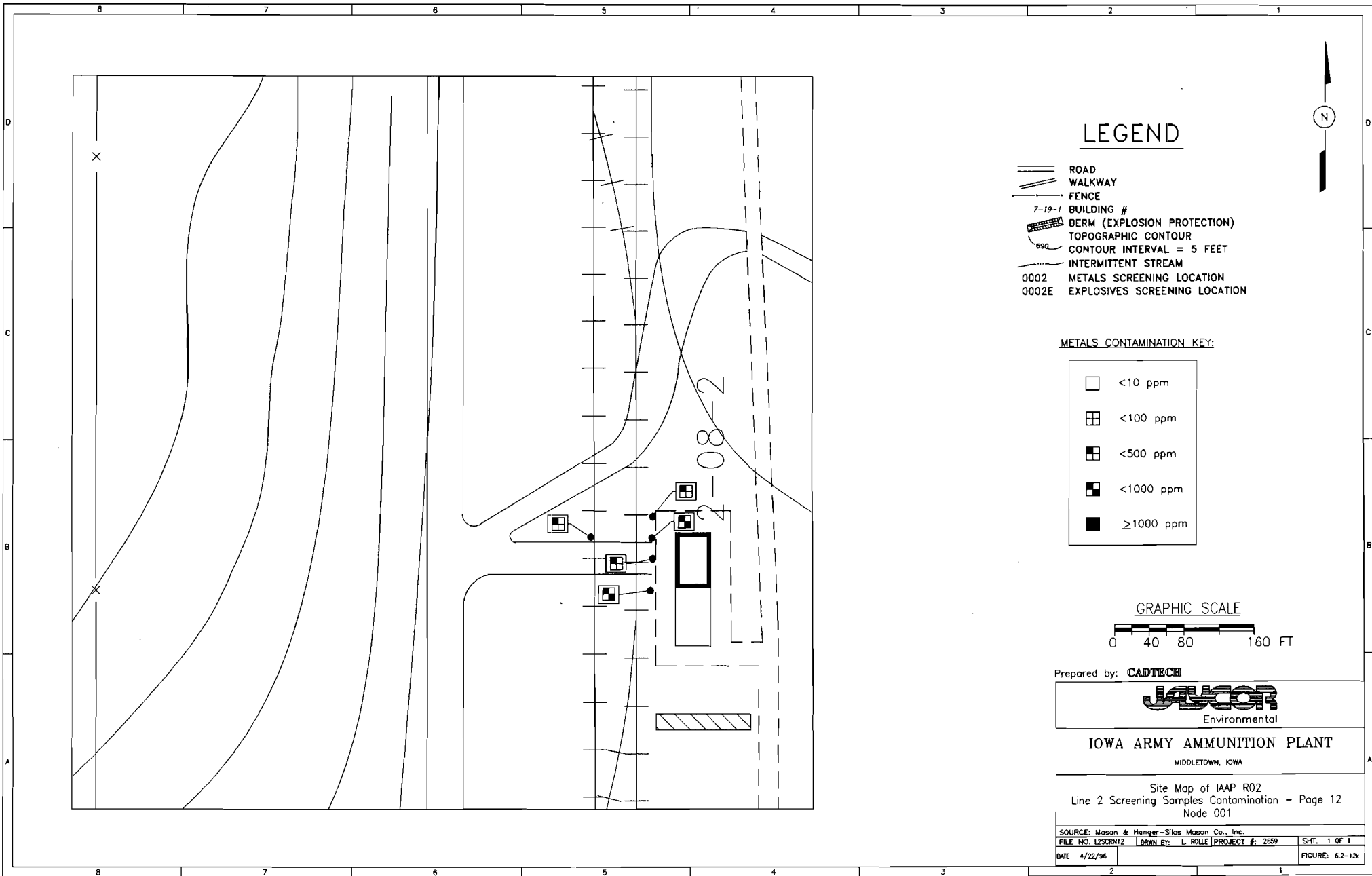
JAYCOR
 Environmental

IOWA ARMY AMMUNITION PLANT
 MIDDLETOWN, IOWA

Site Map of IAAP R02
 Line 2 Screening Samples Contamination - Page 11
 Nodes 1300, 1400

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1
FILE NO. L2SCRN11	DRAWN BY: L. ROLLE [PROJECT #: 2659]	
DATE 4/22/96		FIGURE: 6.2-12)

9-5

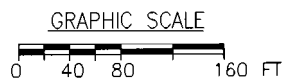


LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

	<10 ppm
	<100 ppm
	<500 ppm
	<1000 ppm
	≥1000 ppm



Prepared by: **CADTECH**

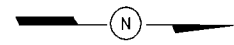
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 12
Node 001

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L2SCRH12	DRAWN BY: L. ROLLE	PROJECT #: 2659	FIGURE: 6.2-12a
DATE 4/22/96			

57

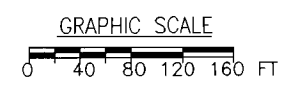


LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					



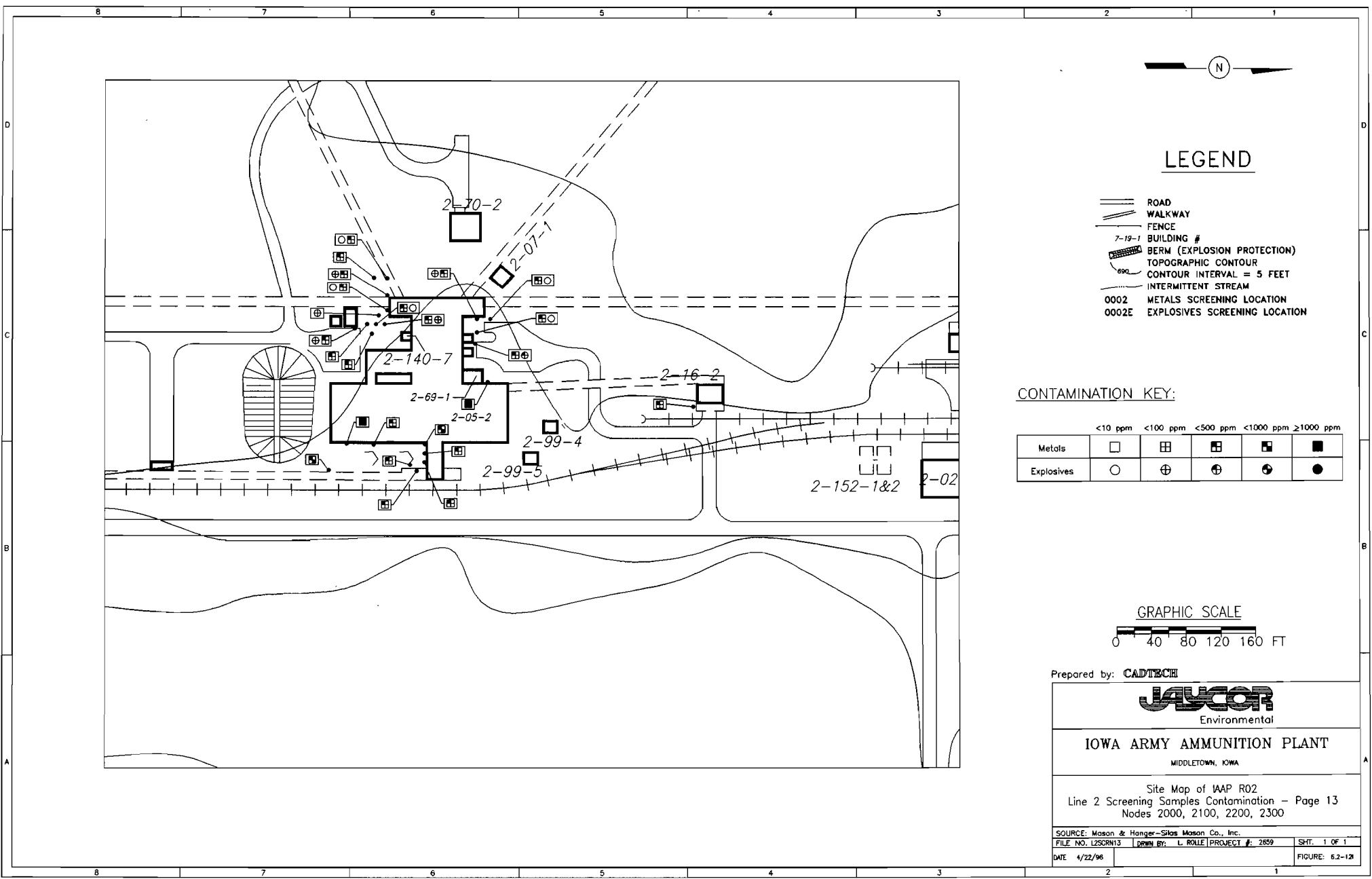
Prepared by: CADTECH



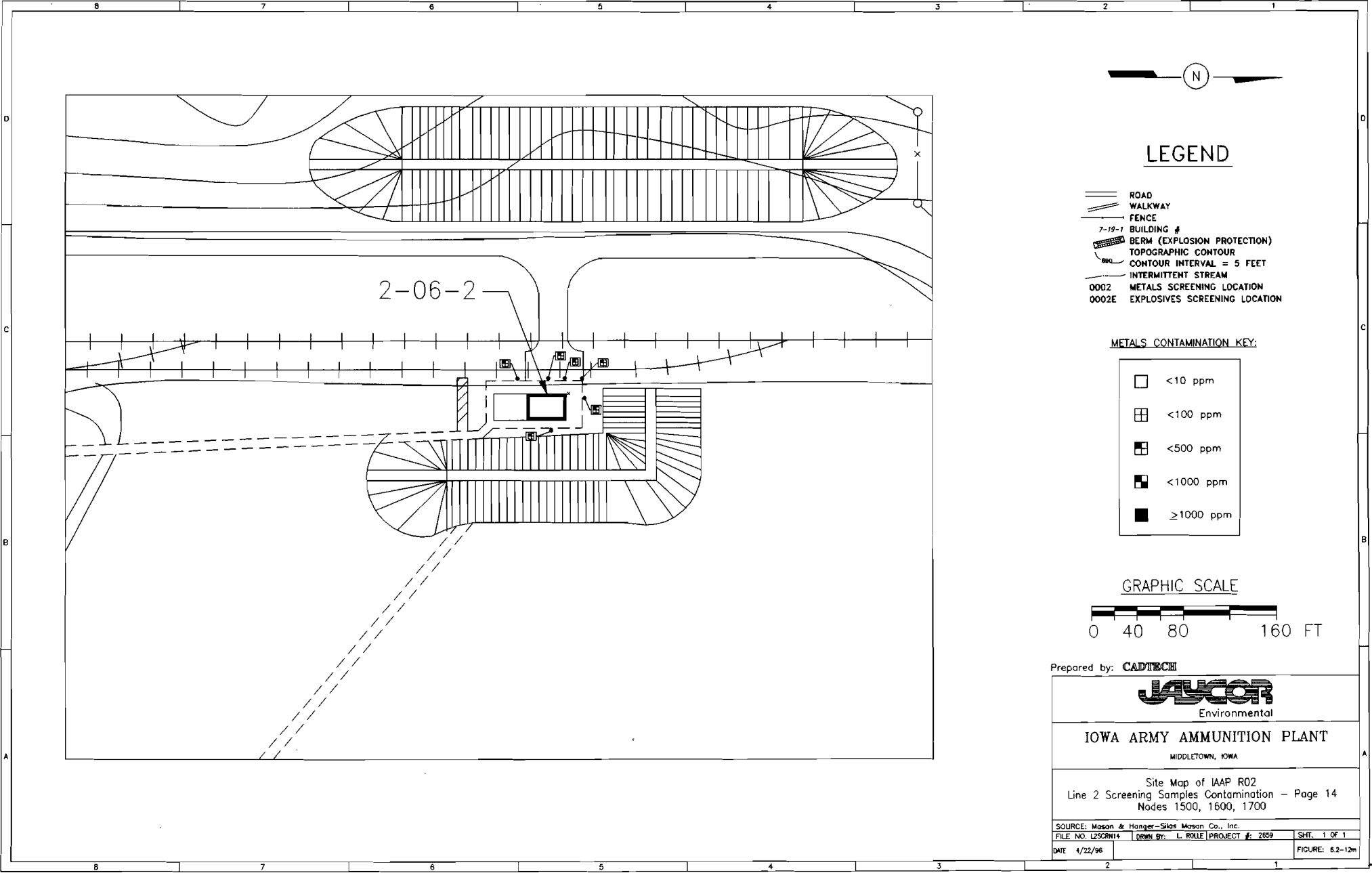
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 13
Nodes 2000, 2100, 2200, 2300

SOURCE: Mason & Hanger-Sites Mason Co., Inc.		
FILE NO. L2SCRN13	DRAWN BY: L. ROLLE (PROJECT # 2859)	SHT. 1 OF 1
DATE 4/22/98		FIGURE: 6.2-12B



8-5



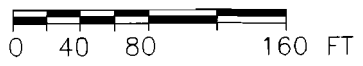
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

	<10 ppm
	<100 ppm
	<500 ppm
	<1000 ppm
	≥1000 ppm

GRAPHIC SCALE



Prepared by: CADTECH

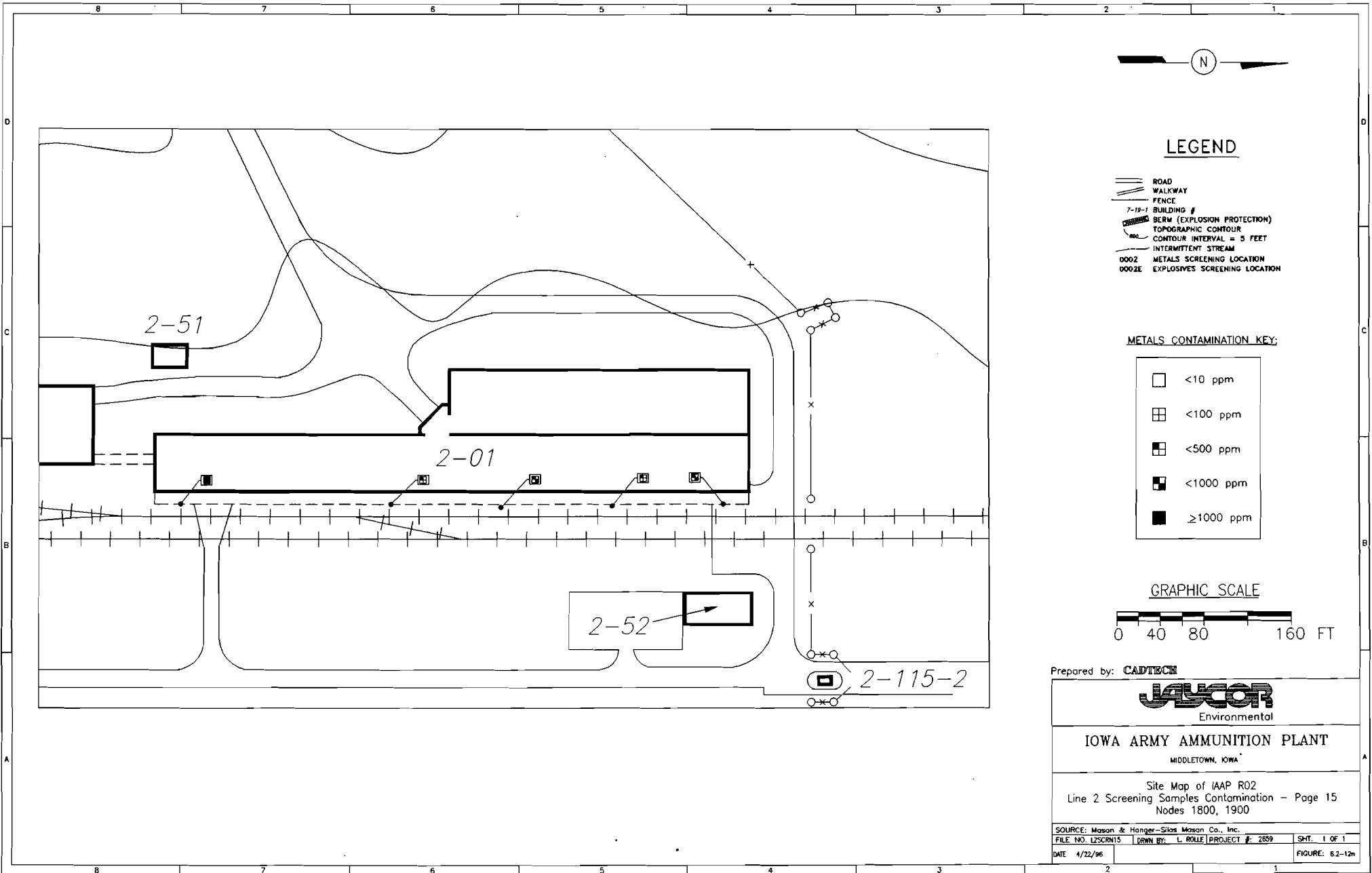


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 14
Nodes 1500, 1600, 1700

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1
FILE NO. L2SCRN14	DRAWN BY: L. ROLLE (PROJECT # 2659)	
DATE 4/22/96		FIGURE: 6.2-12m

b5



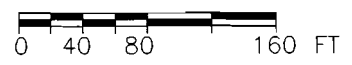
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

- <10 ppm
- <100 ppm
- <500 ppm
- <1000 ppm
- ≥1000 ppm

GRAPHIC SCALE



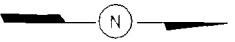
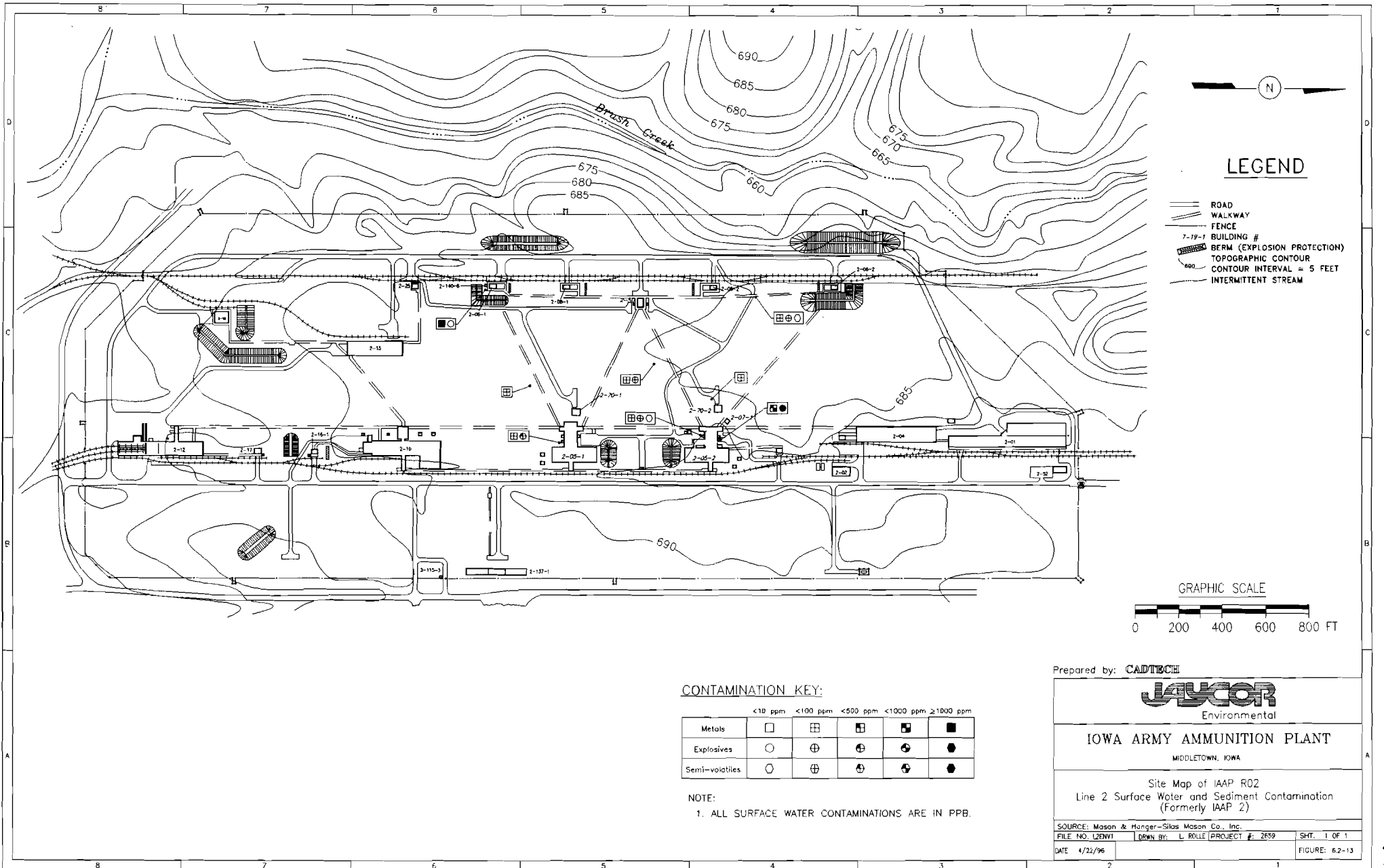
Prepared by: **CADTECH**

JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

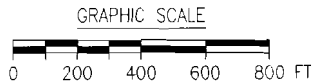
Site Map of IAAP R02
Line 2 Screening Samples Contamination - Page 15
Nodes 1800, 1900

SOURCE: Mason & Hanger-Slot Mason Co., Inc.	FILE NO. L2SCRN15	DRWN BY: L. ROLLE	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/22/96				FIGURE: 6.2-12m



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM



CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊕	⊗	⊙	●
Explosives	○	⊕	⊗	⊙	●
Semi-volatiles	○	⊕	⊗	⊙	●

NOTE:
1. ALL SURFACE WATER CONTAMINATIONS ARE IN PPB.

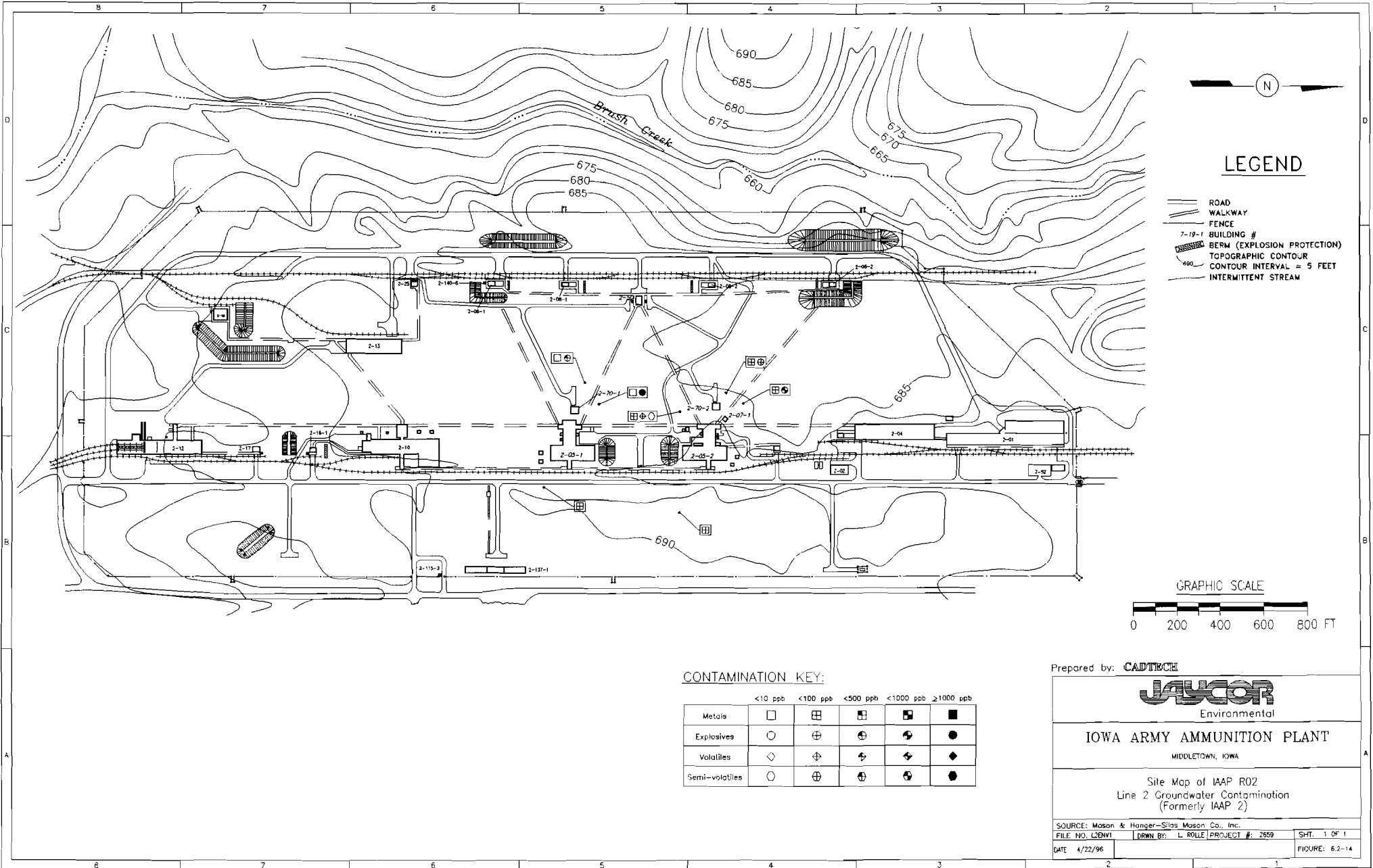
Prepared by: CADTBCB



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Surface Water and Sediment Contamination
(Formerly IAAP 2)

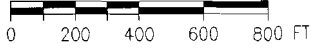
SOURCE: Mason & Hanger-Silas Mason Co., Inc.	FILE NO. L2ENVI	DRAWN BY: L. ROLLE	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/22/96				FIGURE: 6.2-13



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- 7-19-1 BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

GRAPHIC SCALE



CONTAMINATION KEY:

	<10 ppb	<100 ppb	<500 ppb	<1000 ppb	>1000 ppb
Metals	□	⊕	⊗	⊙	●
Explosives	○	⊕	⊗	⊙	●
Volatiles	◇	⊕	⊗	⊙	●
Semi-volatiles	○	⊕	⊗	⊙	●

Prepared by: CADTECH



IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R02
Line 2 Groundwater Contamination
(Formerly IAAP 2)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L2N01	DRWN BY: L. ROLLE (PROJECT #: 2659)	SHT. 1 OF 1
DATE 4/22/96		FIGURE: 6.2-14

**Table 6.2-2
Sample Summary
Line 2 (R02)**

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
02-SA-01-01	SI	Explosives, Metals SVOCs, VOCs	C	A	1.5	6' W of Filter House 2-70-2.
02-SD-02-01	SI	Explosives, Metals SVOCs, VOCs	G	A	0.5	60' SW of Filter House 2-70-2 in saturated sediments.
02-SA-03-01	SI	Explosives, Metals SVOCs, VOCs	G	A	0.75	Moved from proposed staked location because of refusal, to location about 5' SSW of the SE corner of the platform E of the unused water tank. S of Building 2-70-1.
02-SA-04-01	SI	Explosives, Metals SVOCs, VOCs	C	A	1.5	SE of Filter House 2-70-1.
02-SS-05-01	SI	Explosives, Metals	C	A	0.5	Three aliquots taken from a 20-foot area adjacent to a support pillar NE of Building 2-08-2.
02-SD-06-01	SI	Explosives, Metals SVOCs, VOCs	G	A	0.5	Drainage ditch sediment located 25' S of an unused wastewater holding tank. (no corresponding SW sample due to lack of water.) SW of Building 2-70-1.
02-SS-07-01	SI	Explosives, Metals	C	A	0.4	Three aliquots taken from a 20-foot area adjacent to a support pillar NE of building 2-08-1.
02-SA-08-01	SI	VOCs, SVOCs	C	A	1.5	Three aliquots at S end of loading dock; vertical depth aliquots of 0-6, 6-12, and 12-18 inches. S of 2-04.
02-SA-08-02	SI	VOCs, SVOCs	C	A	1.5	Duplicate of 02-SA-08-01.
02-EB-09-01	SI	Explosives, Metals SVOCs, VOCs	G	A	N/A	Equipment rinsate blank of auger, bowl an spoon from sample 02-SA-01-01.
R02-SS-01-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	30' W of the SW corner of the Smokeless Powder Service (2-15).
R02-SS-01-02	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Duplicate sample of R02-SS-01-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SS-02-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	15' N and 6' W of SW corner of the Propellant Charge Building 2-13.
R02-SS-03-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	10' W of road and 160' S of driveway, in ditch.
R02-SS-04-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	2' N and 1' W of SW corner of Building 2-06-1.
R2-SS-05-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	18' N of SW corner of the TNT Service Magazine (2-08-1).
R02-SS-06-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	20' N of NW corner of Building 2-08-1.
R02-SS-07-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	235' N of NW corner of Building 2-08-1; in front of the TNT Screening area (2-50).
R02-SS-08-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	E of E wall of Building 2-140-4.
R02-SS-09-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	SW corner of Building 2-06-2.
R02-SS-10-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	6' W of middle point of N face of the Loading Line Storage (2-01).
R02-SS-11-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	15' S of SE corner of Building 2-01, in a drainage ditch.
R02-SS-12-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	N of N face of Building 2-02-2, in a drainage ditch.
R02-SS-13-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	2' S and 2' W of NW corner of Building 2-70-1.
R02-SS-14-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	21' S and 4' E of NE corner of Building 2-70-2.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SS-15-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	25' W of Building 2-140-7, underneath walkway.
R02-SS-16-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	3' W of NW corner of Melt Building 2-05-2.
R02-SS-17-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	3' W of W face of Melt Building 2-05-1 in stressed vegetation next of stairs.
R02-SS-18-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	12' S of E-W walkway and 4' W of W wall of Building 2-10.
R02-SS-19-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	48' S and 3' E of intersection of brick and metal parts of Buildings 2-82-3 and 2-10.
R02-SS-20-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	2' E of loading dock on E face of Building 2-16-1.
R02-SS-21-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	1' N of NW corner of Building 2-82-2.
R02-SS-22-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	1' E of NE corner of Building 2-12.
R02-SS-23-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	125' N of SE corner of Building 2-12, beneath loading dock door.
R02-SS-24-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	46' S and 18' E of SE corner of Building 2-12.
R02-SS-25-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	5' S of SW corner of western "arm" on W face of Building 2-12.
R02-SD-26-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	35' W of walkway 2-82-10.
R02-SW-26-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	Corresponds to sample R02-SW-26-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SW-27-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	335' W of filter house (Building 2-70-2).
R02-SD-27-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to sample R02-SW-27-01.
R02-SW-28-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	In confluence of 3 drainage ditches E of walkway 2-82-19.
R02-SD-28-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to sample R02-SD-28-01.
R02-PZ-29-01	I	Explosives	G	A	18.0	Groundwater sample from R02-PZ-29. Located 150' W of paved road and building 2-08-02 towards perimeter fence and Brush Creek.
R02-PZ-29-02	I	Explosives	G	A	18.0	Duplicate groundwater sample of R02-PZ-29-01.
R02-PZ-30-01	I	Explosives	G	A	20.0	Groundwater sample from R02-PZ-30-01. Located 75' from walkway and building 2-140-4.
R02-PZ-31-01	I	Explosives	G	A	17.0	Groundwater sample from R02-PZ-31. Located 150' E of Building 2-140-4.
R02-SA-32-01	I	SVOCs, VOCs	G	A	4.0	Soil confirmation sample; corresponds to survey site R02-02.
R02-SA-33-01	I	SVOCs, VOCs	G	A	14.0	31' S of Building 2-03; soil confirmation sample; corresponds to survey site R02-29.
R02-SA-34-01	I	SVOCs	G	A	15.0	60' SW of SW corner of Building 2-05-2; soil confirmation sample; corresponds to survey site R02-35.
R02-PZ-35-01	I	SVOCs	G	A	15.0	150' S of Building 2-03; corresponds of survey site R02-35.
R02-PZ-36-01	I	Metals SVOCs, VOCs	G	A	16.0	60' SW of SW corner of Building 2-05-2; corresponds to survey site R02-36.
R02-SS-37-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-3005-E-01.
R02-SS-39-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-1906-E-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SS-40-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-403-E-01.
R02-SS-41-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-701-E-01.
R02-SS-42-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2301-E-01.
R02-SS-43-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-104-E-01.
R02-SS-44-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2101-E-01.
R02-SS-45-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2104-E-01.
R02-SS-46-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R02-2403-E-02.
R02-SS-47-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-602-E-01.
R02-SS-48-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2205-E-01.
R02-SS-49-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-1903-E-01.
R02-SS-50-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-1803-E-01.
R02-SS-51-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-802-E-01.
R02-SS-52-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2601-M-01.
R02-SS-53-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2901-M-01.
R02-SS-54-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2304-M-01.
R02-SS-55-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2804-M-01.
R02-SS-56-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2802-M-01.
R02-SS-57-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2605-M-01.
R02-SS-58-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2204-M-01.
R02-SS-59-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1503-M-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SS-60-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2502-M-01.
R02-SS-61-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2702-M-01.
R02-SS-62-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2202-M-01.
R02-SS-63-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-3001-M-01.
R02-SS-64-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2301-M-01.
R02-SS-65-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-3102-M-01.
R02-SS-66-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1902-M-01.
R02-SS-67-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2403-M-01.
R02-SS-68-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-3103-M-01.
R02-SA-69-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R02-2504-E-02.
R02-SS-70-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2206-E-01.
R02-SS-71-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-2208-E-01.
R02-SS-72-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2702-M-01.
R02-SS-73-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1506-M-01.
R02-SA-74-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1504-M-01.
R02-SS-75-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1008-M-01.
R02-SA-76-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1904-M-02.
R02-SS-77-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-910-M-01.
R02-SS-78-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1805-M-01.
R02-SS-80-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2506-M-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SA-81-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2605-M-02.
R02-SS-82-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1305-M-01.
R02-SA-84-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-901-M-02.
R02-SA-85-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1401-M-02.
R02-SS-86-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2306-M-01.
R02-SS-87-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2405-M-01.
R02-SA-88-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2403-M-02.
R02-SA-89-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R02-2804-E-02.
R02-SS-90-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-3106-M-01.
R02-SS-91-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-510-M-01.
R02-SA-92-01	I	Explosives	G	S	2.0	Explosives confirmatory sample for R02-2101-E-03.
R02-SS-93-01	I	Explosives	G	A	0.5	Explosives confirmatory sample for R02-2105E-01.
R02-SA-93-02	I	Explosives	G	S	2.0	Explosives confirmatory sample for R02-2105-E-03.
R02-SS-94-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2811-M-01.
R02-SA-95-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-3103-M-03.
R02-SA-96-01	I	Explosives	G	S	1.5	Explosives confirmatory sample for R02-1713-E-02.
R02-SS-97-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R02-1714-E-01.
R02-SA-98-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1209-M-02.
R02-SA-99-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-009-M-02.
R02-SA-100-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1509-M-02.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SA-101-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2510-M-02.
R02-SA-102-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2811-M-02.
R02-SA-103-01	I	Metals	G	S	2.0	Metals confirmatory sample for R02-2806-M-03.
R02-SA-104-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2102-M-02.
R02-SA-105-01	I	Metals	G	S	2.0	Metals confirmatory sample for R02-2105-M-03.
R02-SA-106-01	I	Metals	G	S	2.0	Metals confirmatory sample for R02-2811-M03.
R02-SA-107-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2005-M-02.
R02-SA-108-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1105-M-02.
R02-SA-109-01	I	Metals	G	S	3.0	Metals confirmatory sample for R02-2004-M-04.
R02-SS-110-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1313-M-01.
R02-SS-111-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2106-M-01.
R02-SA-113-01	I	Metals	G	S	2.0	Metals confirmatory sample for R02-1804-M-03.
R02-SA-114-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-1812-M-02.
R02-SS-115-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2216-M-01.
R02-SS-116-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-2218-M-01.
R02-SA-117-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2207-M-01.
R02-SA-118-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2214-M-02.
R02-SA-119-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2303-M-02.
R02-SA-120-01	I	Metals	G	S	1.0	Metals confirmatory sample for R02-2313-M-02.
R02-SS-121-01	I	Metals	G	S	0.5	Metals confirmatory sample for R02-1310-M-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-GW-501-01	II	Explosives, Metals	G	A	3.1	JAW-70, see site map for location.
R02-SA-501-01	II	Explosives, Metals	G	A	8.0	Soil sample collected from JAW-70.
R01-SA-501-02	II	Explosives, Metals	G	A	8.0	Soil sample collected from JAW-70.
R02-GW-502-01	II	Explosives, Metals	G	A	10.5	JAW-71, see site map for location.
R02-SA-502-02	II	Explosives, Metals	G	A	8.5	Soil sample collected from JAW-71.
R02-GW-503-01	II	Explosives, Metals	G	A	4.0	JAW-72, see site map for location.
R02-SA-503-01	II	Explosives, Metals	G	A	14.5	Soil sample collected from JAW-72.
R02-SA-503-02	II	Explosives, Metals	G	A	14.5	Soil sample collected from JAW-72.
R02-GW-504-01	II	Explosives, Metals	G	A	9.2	JAW-73, see site map for location.
R02-SA-504-01	II	Explosives, Metals	G	A	17.0	Soil sample collected from JAW-73.
R02-GW-505-01	II	Explosives, Metals	G	A	9.8	JAW-74, see site map for location.
R02-SA-505-01	II	Explosives, Metals	G	A	18.0	Soil sample collected from JAW-74.
R02-GW-506-01	II	Explosives, Metals	G	A	4.75	JAW-75, see site map for location.
R02-SA-506-01	II	Explosives, Metals	G	A	10.5	Soil sample collected from JAW-75.
SU-09-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall near SE corner of Building 2-06-1.
SU-09-SA-01-02	SS	Explosives, Metals	G	A	2.5	Collocated with SU-09-SS-01-01.
SU-09-SS-02-01	SS	Explosives, Metals	G	A	0.5	SW of sump located on the S side of Building 2-06-1 within shed 2-140-6.
SU-09-SA-02-02	SS	Explosives, Metals	G	A	2.5	Collocated with SU-09-SS-02-01.
SU-09-SD-01-01	SS	Explosives, Metals	G	A	0.5	Collected from within sump in Building 2-140-6.
SU-10-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall of sump located on the S side of Building 2-50 within shed 2-140-5.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
SU-10-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.6	Collocated with SU-10-SS-01-01.
SU-10-SS-02-01	SS	Explosives, Metals	G	A	0.5	E side of sump on the S side of Building 2-50 in shed 2-140-5.
SU-10-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.6	Collocated with SU-10-SS-02-01.
SU-11-SS-01-01	SS	Explosives, Metals	G	A	0.5	NW corner of sump 2-140-7 located south of Building 2-05-2.
SU-11-SS-02-01	SS	Explosives, Metals	G	A	0.5	SE corner of sump 2-140-7 located south of Building 2-05-2.
SU-11-SS-03-01	SS	Explosives, Metals	G	A	0.5	E side of the sump 2-140-7 located south of Building 2-05-2.
SU-11-SA-03-02	SS	Explosives, Metals	G	A	1.0	Collocated with SU-11-SS-03-02.
SU-11-SS-04-01	SS	Explosives, Metals	G	A	0.5	Southerly drainageway from sump 2-140-7 south of Building 2-05-2.
SU-12-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall S of sump 2-140-3 located on the N side of Building 2-05-2 in shed 2-140-3.
SU-12-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-12-SS-01-01.
SU-12-SS-02-01	SS	Explosives, Metals	G	A	0.5	SE side of sump 2-140-3 located on the N side of Building 2-05-2 in shed 2-140-3.
SU-12-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-12-SS-02-01.
SU-12-SS-03-01	SS	Explosives, Metals	G	A	0.5	Drainageway along the N side of Building 2-05-2 flowing in a southwesterly direction downgradient of sump 2-140-3.
SU-12-SA-03-02	SS	Explosives, Metals	G	A	1.0	Collocated with SU-12-SS-03-01.
SU-12-SD-01-01	SS	Explosives, Metals	G	A	0.5	Collocated with SU-12-SW-01-01.
SU-13-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall on E and W sides of the sump located in shed 2-140-2 on the N side of Building 2-05-1.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
SU-13-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.9	Collocated with SU-13-SS-01-01.
SU-13-SS-02-01	SS	Explosives, Metals	G	A	0.5	E of sump in shed 2-140-2 N of Building 2-05-1.
SU-13-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.9	Collocated with SU-13-SS-02-01.
SU-13-SS-03-01	SS	Explosives, Metals	G	A	0.5	W side of sump in shed 2-140-2 N of Building 2-05-1.
SU-13-SA-03-02	SS	Explosives, Metals, VOCs	G	A	2.9	Collocated with SU-13-SS-03-01.
SU-13-SW-01-01	SS	Explosives, Metals	G	A	N/A	Collected from standing water inside sump 13.
SU-14-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall near the NE corner of sump 14, located NW of Building 2-05-1.
SU-14-SA-01-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-14-SS-01-01.
SU-14-SS-02-01	SS	Explosives, Metals	G	A	0.5	SW corner of sump 14, located NW of Building 2-05-1.
SU-14-SS-02-02	SS	Explosives, Metals	G	A	0.5	Duplicate of SU-14-SS-02-01.
SU-14-SA-02-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-14-SS-02-01.
SU-14-SS-03-01	SS	Explosives, Metals	G	A	0.5	NE corner of sump 14, located NW of Building 2-05-1.
SU-14-SA-03-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-14-SS-03-01.
SU-14-SS-04-01	SS	Explosives, Metals	G	A	0.5	North of sump 14.
SU-14-SA-04-02	SS	Explosives, Metals	G	A	1.0	Collocated with SU-14-SS-04-01.
SU-15-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall on the W side of the sump located on the S side of Building 2-05-1 in shed 2-140-1.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
SU-15-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-15-SS-01-01.
SU-15-SS-02-01	SS	Explosives, Metals	G	A	0.5	W of sump located on the S side of Building 2-05-1 in shed 2-140-1.
SU-15-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-15-SS-02-01.
SU-15-SS-03-01	SS	Explosives, Metals	G	A	0.5	SE corner of sump located on the S side of Building 2-05-1 in shed 2-140-1.
SU-15-SA-03-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-15-SS-03-01.
SU-15-SW-01-01	SS	Explosives, Metals	G	A	N/A	Collected from standing water inside sump 15.
SU-16-SS-01-01	SS	Explosives, Metals	G	A	0.5	N of sump located on the SW side of Building 2-05-1.
SU-16-SA-01-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-16-SS-01-01.
SU-16-SS-02-01	SS	Explosives, Metals	G	A	0.5	S of sump located on the SW side of Building 2-05-1.
SU-16-SA-02-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-16-SS-02-01.
R02-GW-601-01	FO	VOCs	G	A	7.34	Collected from JAW-73.
R02-SS-601-01	FO	Explosives, Metals	G	A	0.5	3' W of sump 2-140-1. Duplicate = R02-SS-601-01.
R02-SA-601-02	FO	Explosives, Metals	G	A	1.5	Collocated with R02-SS-601-01.
R02-SA-601-03	FO	Explosives, Metals	G	A	3.0	Collocated with R02-SS-601-01.
R02-SS-601-04	FO	Explosives, Metals	G	A	0.5	Duplicate of R02-SS-601-01.
R02-SS-602-01	FO	Explosives, Metals	G	A	0.5	2' S of sump 2-140-1.
R02-SA-602-02	FO	Explosives, Metals	G	A	1.5	Collocated with R02-SS-602-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SA-602-03	FO	Explosives, Metals	G	A	3.0	Collocated with R02-SS-602-01.
R02-SS-603-01	FO	Explosives, Metals	G	A	0.5	4' E and 2' S of SE corner of sump 2-140-1.
R02-SS-603-02	FO	Explosives, Metals	G	A	1.5	Collocated with R02-SS-603-01.
R02-SA-603-03	FO	Explosives, Metals	G	A	3.0	Collocated with R02-SS-603-01.
R02-SS-604-01	FO	Explosives, Metals	G	A	0.5	Downgradient of sump 2-140-1.
R02-SS-609-01	FO	Explosives, Metals	G	A	0.5	3' E of sump 2-140-7.
R02-SA-609-02	FO	Explosives, Metals	G	A	1.5	Collocated with R02-SS-609-01.
R02-SA-609-03	FO	Explosives, Metals	G	A	3.0	Collocated with R02-SS-609-01.
R02-SS-610-01	FO	Explosives, Metals	G	A	0.5	3' S of sump 2-140-7.
R02-SA-610-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-610-01.
R02-SA-610-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-610-01.
R02-SS-611-01	FO	Explosives, Metals	G	A	0.5	3' W of sump 2-140-7.
R02-SA-611-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-611-01.
R02-SA-611-03	FO	Explosives, Metals, VOCs	G	A	3.0	Collocated with sample R02-SS-611-01.
R02-SS-612-01	FO	Explosives, Metals	G	A	0.5	20' W-SW (downgradient) of sump 2-140-7.
R02-SS-613-01	FO	Explosives, Metals	G	A	0.5	8' E of SE corner of 2-140-8.
R02-SA-613-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-613-01.
R02-SA-613-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-613-01.
R02-SS-614-01	FO	Explosives, Metals	G	A	0.5	3' E of center of E face of 2-140-8.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SA-614-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-614-01.
R02-SA-614-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-614-01.
R02-SS-615-01	FO	Explosives, Metals	G	A	0.5	2' N of N face of 2-140-8.
R02-SA-615-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-615-01.
R02-SA-615-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-615-01.
R02-SS-616-01	FO	Explosives, Metals	G	A	0.5	15' N (downgradient) of NE corner of 2-140-8.
R02-SS-617-01	FO	Explosives, Metals	G	A	0.5	2' S of S face of 2-140-9.
R02-SA-617-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-617-01.
R02-SA-617-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-617-01.
R02-SS-618-01	FO	Explosives, Metals	G	A	0.5	2' S of SE corner of 2-140-9.
R02-SA-618-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-618-01.
R02-SA-618-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-618-01.
R02-SS-619-01	FO	Explosives, Metals	G	A	0.5	2' S of SE corner of wooden platform located E of 2-140-9.
R02-SA-619-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-619-01.
R02-SA-619-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-619-01.
R02-SS-620-01	FO	Explosives, Metals	G	A	0.5	25' S (downgradient) and 6' E of sample R02-SS-619-01.
R02-SS-621-01	FO	Explosives, Metals	G	A	0.5	2' N of N face of 2-140-10.
R02-SA-621-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-621-01.
R02-SA-621-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-621-01.
R02-SS-622-01	FO	Explosives, Metals	G	A	0.5	3' W of W face of 2-140-10.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-2 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R02-SA-622-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-622-01.
R02-SA-622-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-622-01.
R02-SS-623-01	FO	Explosives, Metals	G	A	0.5	3' W of SW corner of 2-140-10.
R02-SA-623-02	FO	Explosives, Metals	G	A	1.5	Collocated with sample R02-SS-623-01.
R02-SA-623-03	FO	Explosives, Metals	G	A	3.0	Collocated with sample R02-SS-623-01.
R02-SS-624-01	FO	Explosives, Metals	G	A	0.5	25' W (downgradient) of W face of 2-140-10.
R02-SW-601-01	FO	Explosives, Metals	G	A	N/A	Collected from basement of melt building 2-05-1.
R02-SD-601-01	FO	Explosives, Metals	G	A	0.5	Collocated with sample R02-SW-601-01.
R02-SW-602-01	FO	Explosives, Metals	G	A	N/A	Collected from basement of melt building 2-05-1.
R02-SD-602-01	FO	Explosives, Metals	G	A	0.5	Collocated with sample R02-SW-602-01.
R02-SW-603-01	FO	Explosives, Metals	G	A	N/A	Collected from basement of melt building 2-05-1.
R02-SD-603-01	FO	Explosives, Metals	G	A	0.5	Collocated with sample R02-SW-603-01.
R02-SW-604-01	FO	Explosives, Metals	G	A	N/A	Collected from basement of melt building 2-05-2.
R02-SD-604-01	FO	Explosives, Metals	G	A	0.5	Collocated with sample R02-SW-604-01.
R02-SW-605-01	FO	Explosives, Metals	G	A	N/A	Collected from basement of melt building 2-05-2.
R02-SD-605-01	FO	Explosives, Metals	G	A	0.5	Collocated with sample R02-SW-605-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CGW	WELL	JAW-70	R02GW501	3.1	EXPLOSIVES	2,4-Dinitrotoluene		UW32		0.518	UGL	12-May-93
							Cyclotetramethylenetetran		UW32		230	UGL	12-May-93
							Nitrobenzene / Essence of		UW32		4.33	UGL	12-May-93
							RDX / Cyclonite / Hexahyd		UW32		760	UGL	12-May-93
						TAL_METAL	Barium		SS10		158	UGL	12-May-93
							Chromium		SS10		24.9	UGL	12-May-93
							Lead		SD20		10.8	UGL	12-May-93
			JAW-71	R02GW502	10.5	EXPLOSIVES	Cyclotetramethylenetetran		UW32		10.8	UGL	12-May-93
							RDX / Cyclonite / Hexahyd		UW32		41.8	UGL	12-May-93
						TAL_METAL	Barium		SS10		131	UGL	12-May-93
							Chromium		SS10		11.1	UGL	12-May-93
							Lead		SD20		4.45	UGL	12-May-93
			JAW-72	R02GW503	4	EXPLOSIVES	2,4-Dinitrotoluene		UW32		3.96	UGL	12-May-93
							Cyclotetramethylenetetran		UW32		140	UGL	12-May-93
							Nitrobenzene / Essence of		UW32		20.8	UGL	12-May-93
							RDX / Cyclonite / Hexahyd		UW32		1600	UGL	12-May-93
						TAL_METAL	Barium		SS10		79.9	UGL	12-May-93
							Lead		SD20		2.17	UGL	12-May-93
			JAW-73	R02GW504	9.2	EXPLOSIVES	Cyclotetramethylenetetran		UW32		8.68	UGL	12-May-93
							RDX / Cyclonite / Hexahyd		UW32		190	UGL	12-May-93
						TAL_METAL	Barium		SS10		78.7	UGL	12-May-93
							Chromium		SS10		8.58	UGL	12-May-93
							Lead		SD20		3.15	UGL	12-May-93
							Selenium		SD21		4.05	UGL	12-May-93
			JAW-74	R02GW505	9.8		Barium		SS10		110	UGL	12-May-93
							Chromium		SS10		7.11	UGL	12-May-93
							Lead		SD20		3.25	UGL	12-May-93
							Selenium		SD21		13.3	UGL	12-May-93
			JAW-75	R02GW506	4.75		Barium		SS10		243	UGL	19-May-93
							Chromium		SS10		30.3	UGL	19-May-93
							Lead		SD20		10.7	UGL	19-May-93
			R02PZ3601	PZ3601	16		Barium		SS10		325	UGL	26-Aug-92
							Chromium		SS10		16.6	UGL	26-Aug-92
							Lead		SD20		5.31	UGL	26-Aug-92
						TCL_VOA	Methyl ethyl ketone / 2-B		UM20		13	UGL	26-Aug-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSE	SURF	02SD0201	02SD0201	0.5	TAL_METAL	Arsenic		B9		4.92	UGG	08-Aug-91
							Barium		JS12		174	UGG	08-Aug-91
							Chromium		JS12		58.1	UGG	08-Aug-91
							Lead		JD21		30	UGG	08-Aug-91
							Mercury		Y9		1.41	UGG	08-Aug-91
		STRM	02SD0601	02SD0601			Arsenic		B9		3.59	UGG	08-Aug-91
							Barium		JS12		172	UGG	08-Aug-91
							Chromium		JS12		24.8	UGG	08-Aug-91
							Lead		JD21		19	UGG	08-Aug-91
		DTCH	R02SD2601	SD2601			Arsenic		JD19		3.91	UGG	26-Oct-92
							Barium		JS16		179	UGG	26-Oct-92
							Chromium		JS16		16	UGG	26-Oct-92
							Lead		JD17		13	UGG	26-Oct-92
							Selenium		JD15		1.43	UGG	26-Oct-92
			R02SD2701	SD2701			Arsenic		JD19		5.45	UGG	26-Oct-92
							Barium		JS16		123	UGG	26-Oct-92
							Chromium		JS16		15.6	UGG	26-Oct-92
							Lead		JD17		12.5	UGG	26-Oct-92
							Selenium		JD15		0.952	UGG	26-Oct-92
			R02SD2801	SD2801			Arsenic		JD19		6.59	UGG	26-Oct-92
							Barium		JS16		164	UGG	26-Oct-92
							Chromium		JS16		28.4	UGG	26-Oct-92
							Lead		JD17		21	UGG	26-Oct-92
							Mercury		JB01		0.0819	UGG	26-Oct-92
							Selenium		JD15		1.48	UGG	26-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.074	UGG	26-Oct-92
		SURF	R02SD601	SD60101		TAL_METAL	Arsenic		JD19		5.47	UGG	22-Apr-95
							Barium		JS16		196	UGG	22-Apr-95
							Chromium		JS16		12.3	UGG	22-Apr-95
							Lead		JD17		4.49	UGG	22-Apr-95
							Mercury		JB01		0.058	UGG	22-Apr-95
							Silver		JS16		0.712	UGG	22-Apr-95
			R02SD602	SD60201			Arsenic		JD19		5.16	UGG	22-Apr-95
							Barium		JS16		153	UGG	22-Apr-95
							Chromium		JS16		11.3	UGG	22-Apr-95

Table 6.2-3 Line 2 (R02)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE			
R02	CSE	SURF	R02SD602	SD60201	0.5	TAL_METAL	Lead		JD17		2.52	UGG	22-Apr-95			
				R02SD603			SD60301	Arsenic		JD19		5.92	UGG	22-Apr-95		
								Barium		JS16		173	UGG	22-Apr-95		
						Chromium		JS16		10.2	UGG	22-Apr-95				
						Lead		JD17		2.35	UGG	22-Apr-95				
			R02SD604	SD60401		Arsenic		JD19		6.16	UGG	22-Apr-95				
						Barium		JS16		121	UGG	22-Apr-95				
						Chromium		JS16		15.1	UGG	22-Apr-95				
						Lead		JD17		4.02	UGG	22-Apr-95				
			SU09SD0101	EXPLOSIVES		SD0101				2,4,6-Trinitrotoluene / a		LW12		0.606	UGG	18-Sep-92
										RDX / Cyclonite / Hexahyd		LW12		1.15	UGG	18-Sep-92
							TAL_METAL	Arsenic		JD19		4.33	UGG	18-Sep-92		
								Barium		JS16		525	UGG	18-Sep-92		
								Cadmium		JS16		5.33	UGG	18-Sep-92		
								Chromium		JS16		32.7	UGG	18-Sep-92		
		Lead			JS16		1290	UGG	18-Sep-92							
	SU12SD0101	EXPLOSIVES					1,3,5-Trinitrobenzene		LW12		53	UGG	18-Sep-92			
							2,4,6-Trinitrotoluene / a		LW12		270000	UGG	18-Sep-92			
							Cyclotetramethylenetetran		LW12		28000	UGG	18-Sep-92			
		TAL_METAL					RDX / Cyclonite / Hexahyd		LW12		100000	UGG	18-Sep-92			
				Barium		JS16		143	UGG	18-Sep-92						
			Cadmium		JS16		12	UGG	18-Sep-92							
		Chromium		JS16		53.8	UGG	18-Sep-92								
		Lead		JS16		631	UGG	18-Sep-92								
		Mercury		JB01		3	UGG	18-Sep-92								
	CSO	BORE	02SA0101	02SA0101	1.5	EXPLOSIVES				B9		3.35	UGG	08-Aug-91		
										Barium		JS12		198	UGG	08-Aug-91
									Chromium		JS12		41.4	UGG	08-Aug-91	
									Lead		JD21		16	UGG	08-Aug-91	
									Mercury		Y9		0.0739	UGG	08-Aug-91	
SURF							02SA0301	02SA0301	0.7	Arsenic		B9		8.78	UGG	08-Aug-91
										Barium		JS12		232	UGG	08-Aug-91
										Cadmium		JS12		2.14	UGG	08-Aug-91
										Chromium		JS12		36.3	UGG	08-Aug-91
		Lead		JD21						26	UGG	08-Aug-91				

27

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	02SA0301	02SA0301	0.7	TAL_METAL	Mercury		Y9		0.0676	UGG	08-Aug-91
		BORE	02SA0401	02SA0401	1.5		Arsenic		B9		5.24	UGG	08-Aug-91
							Barium		JS12		262	UGG	08-Aug-91
							Chromium		JS12		26.3	UGG	08-Aug-91
							Lead		JD21		25	UGG	08-Aug-91
							Mercury		Y9		0.0827	UGG	08-Aug-91
						TCL_BNA	Benzo[def]phenanthrene /		LM25		0.17	UGG	08-Aug-91
							Di-n-butyl phthalate		LM25	GT	6.2	UGG	08-Aug-91
			02SA0801	02SA0801			Bis(2-ethylhexyl) phthala		LM25		1.2	UGG	08-Aug-91
			02SA0802	02SA0802			Bis(2-ethylhexyl) phthala		LM25		1.8	UGG	08-Aug-91
		CMPH	02SS0501	02SS0501	0.5	EXPLOSIVES	Cyclotetramethylenetetran		LW02		1.76	UGG	08-Aug-91
							RDX / Cyclonite / Hexahyd	1	LW02		0.635	UGG	08-Aug-91
						TAL_METAL	Arsenic		B9		5.16	UGG	08-Aug-91
							Barium		JS12		196	UGG	08-Aug-91
							Chromium		JS12		43.2	UGG	08-Aug-91
							Lead		JD21		170	UGG	08-Aug-91
			02SS0701	02SS0701	0.4		Arsenic		B9		7.93	UGG	08-Aug-91
							Barium		JS12		248	UGG	08-Aug-91
							Chromium		JS12		32.9	UGG	08-Aug-91
							Lead		JD21		23	UGG	08-Aug-91
		BORE	JAW-70	R02SA501	8		Arsenic		JD19		6.77	UGG	01-May-93
							Barium		JS16		67.5	UGG	01-May-93
							Chromium		JS16		14.5	UGG	01-May-93
							Lead		JD17		9.66	UGG	01-May-93
			JAW-71	R02SA502	8.5		Arsenic		JD19		5.08	UGG	01-May-93
							Barium		JS16		147	UGG	01-May-93
							Chromium		JS16		13.8	UGG	01-May-93
							Lead		JD17		11	UGG	01-May-93
			JAW-72	R02SA503	14.5	EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		1.41	UGG	01-May-93
						TAL_METAL	Arsenic		JD19		6.51	UGG	01-May-93
							Barium		JS16		64.2	UGG	01-May-93
							Chromium		JS16		12.9	UGG	01-May-93
							Lead		JD17		16	UGG	01-May-93
			JAW-73	R02SA504	17		Arsenic		JD19		12	UGG	29-Apr-93
							Barium		JS16		59.4	UGG	29-Apr-93

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	JAW-73	R02SA504	17	TAL_METAL	Chromium		JS16		15.5	UGG	29-Apr-93
							Lead		JD17		9.22	UGG	29-Apr-93
			JAW-75	R02SA506	10.5		Arsenic		JD19		7.82	UGG	01-May-93
							Barium		JS16		55	UGG	01-May-93
							Chromium		JS16		15.4	UGG	01-May-93
							Lead		JD17		11.3	UGG	01-May-93
			R02SA10001	SA10001	1		Arsenic		JD19		5.54	UGG	06-Nov-92
							Barium		JS16		102	UGG	06-Nov-92
							Cadmium		JS16		2.32	UGG	06-Nov-92
							Chromium		JS16		28.1	UGG	06-Nov-92
							Lead		JS16		197	UGG	06-Nov-92
			R02SA10101	SA10101			Arsenic		JD19		9.12	UGG	18-Nov-92
							Barium		JS16		237	UGG	18-Nov-92
							Cadmium		JS16		1.72	UGG	18-Nov-92
							Chromium		JS16		28.8	UGG	18-Nov-92
							Lead		JS16		167	UGG	18-Nov-92
							Mercury		JB01		0.055	UGG	18-Nov-92
							Silver		JS16		1.24	UGG	18-Nov-92
			R02SA10201	SA10201			Arsenic		JD19		3.8	UGG	20-Nov-92
							Barium		JS16		55.1	UGG	20-Nov-92
							Chromium		JS16		115	UGG	20-Nov-92
							Lead		JS16		114	UGG	20-Nov-92
							Mercury		JB01		0.0817	UGG	20-Nov-92
							Silver		JS16		0.695	UGG	20-Nov-92
			R02SA10301	SA10301	2		Arsenic		JD19		2.4	UGG	20-Nov-92
							Barium		JS16		229	UGG	20-Nov-92
							Chromium		JS16		19.2	UGG	20-Nov-92
							Lead		JD17		15	UGG	20-Nov-92
			R02SA10401	SA10401	1		Arsenic		JD19		5.73	UGG	08-Nov-92
							Barium		JS16		227	UGG	08-Nov-92
							Chromium		JS16		20.1	UGG	08-Nov-92
							Lead		JD17		14	UGG	08-Nov-92
			R02SA10501	SA10501	2		Arsenic		JD19		6.88	UGG	08-Nov-92
							Barium		JS16		177	UGG	08-Nov-92
							Chromium		JS16		18.8	UGG	08-Nov-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	R02SA10501	SA10501	2	TAL_METAL	Lead		JS16		25.3	UGG	08-Nov-92
			R02SA10601	SA10601			Arsenic		JD19		6.7	UGG	20-Nov-92
							Barium		JS16		131	UGG	20-Nov-92
							Chromium		JS16		40.5	UGG	20-Nov-92
							Lead		JD17		19	UGG	20-Nov-92
			R02SA10701	SA10701	1		Arsenic		JD19		5.7	UGG	20-Nov-92
							Barium		JS16		221	UGG	20-Nov-92
							Chromium		JS16		21.5	UGG	20-Nov-92
							Lead		JD17		16	UGG	20-Nov-92
			R02SA10801	SA10801			Arsenic		JD19		8.1	UGG	20-Nov-92
							Barium		JS16		224	UGG	20-Nov-92
							Chromium		JS16		18.8	UGG	20-Nov-92
							Lead		JS16		25.5	UGG	20-Nov-92
			R02SA10901	SA10901	3		Arsenic		JD19		10	UGG	20-Nov-92
							Barium		JS16		267	UGG	20-Nov-92
							Chromium		JS16		18.4	UGG	20-Nov-92
							Lead		JD17		18	UGG	20-Nov-92
			R02SA11301	SA11301	2		Arsenic		JD19		3.6	UGG	21-Nov-92
							Barium		JS16		173	UGG	21-Nov-92
							Chromium		JS16		11.9	UGG	21-Nov-92
							Lead		JS16		59.1	UGG	21-Nov-92
			R02SA11401	SA11401	1		Arsenic		JD19		9.5	UGG	21-Nov-92
							Barium		JS16		204	UGG	21-Nov-92
							Chromium		JS16		15	UGG	21-Nov-92
							Lead		JD17		18	UGG	21-Nov-92
			R02SA11701	SA11701			Arsenic		JD19		7.2	UGG	22-Nov-92
							Barium		JS16		153	UGG	22-Nov-92
							Cadmium		JS16		0.797	UGG	22-Nov-92
							Chromium		JS16		102	UGG	22-Nov-92
							Lead		JS16		22.8	UGG	22-Nov-92
			R02SA11801	SA11801			Arsenic		JD19		13	UGG	22-Nov-92
							Barium		JS16		198	UGG	22-Nov-92
							Cadmium		JS16		1.01	UGG	22-Nov-92
							Chromium		JS16		11.8	UGG	22-Nov-92
							Lead		JS16		43.9	UGG	22-Nov-92

Date 4/16/96

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	R02SA11801	SA11801	1	TAL_METAL	Mercury		JB01		0.0512	UGG	22-Nov-92
							Selenium		JD15		0.462	UGG	22-Nov-92
			R02SA11901	SA11901			Arsenic		JD19		11	UGG	25-Oct-92
							Barium		JS16		236	UGG	25-Oct-92
							Cadmium		JS16		0.815	UGG	25-Oct-92
							Chromium		JS16		14	UGG	25-Oct-92
							Lead		JS16		22.3	UGG	25-Oct-92
							Selenium		JD15		0.568	UGG	25-Oct-92
			R02SA12001	SA12001			Arsenic		JD19		5.3	UGG	21-Nov-92
							Barium		JS16		190	UGG	21-Nov-92
							Chromium		JS16		14.2	UGG	21-Nov-92
							Lead		JD17		16	UGG	21-Nov-92
		AHOL	R02SA601	SA60102	1.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		9.36	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		4.2	UGG	21-Apr-95
							Barium		JS16		199	UGG	21-Apr-95
							Chromium		JS16		18.2	UGG	21-Apr-95
							Lead		JD17		2.92	UGG	21-Apr-95
				SA60103	3	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		19.1	UGG	21-Apr-95
							Cyclotetramethylenetetran	C	LW12		2.44	UGG	21-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		7.22	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		7.55	UGG	21-Apr-95
							Barium		JS16		177	UGG	21-Apr-95
							Chromium		JS16		15.3	UGG	21-Apr-95
							Lead		JD17		4.37	UGG	21-Apr-95
							Selenium		JD15		0.345	UGG	21-Apr-95
			R02SA602	SA60202	1.5	EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		1.13	UGG	22-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		8.1	UGG	22-Apr-95
							Cyclotetramethylenetetran	C	LW12		4.58	UGG	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		0.84	UGG	22-Apr-95
						TAL_METAL	Arsenic		JD19		4	UGG	22-Apr-95
							Barium		JS16		167	UGG	22-Apr-95
							Chromium		JS16		16.1	UGG	22-Apr-95
							Lead		JD17		3.52	UGG	22-Apr-95
							Selenium		JD15		0.356	UGG	22-Apr-95
				SA60203	3	EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		1.04	UGG	22-Apr-95

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE	
R02	CSO	AHOL	R02SA602	SA60203	3	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		7.68	UGG	22-Apr-95	
							Cyclotetramethylenetetran	C	LW12		4.84	UGG	22-Apr-95	
							RDX / Cyclonite / Hexahyd	C	LW12		0.636	UGG	22-Apr-95	
						TAL_METAL	Arsenic		JD19		4.89	UGG	22-Apr-95	
							Barium		JS16		156	UGG	22-Apr-95	
							Chromium		JS16		18.4	UGG	22-Apr-95	
							Lead		JS16		26.4	UGG	22-Apr-95	
			R02SA603	SA60303		3	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		0.694	UGG	22-Apr-95
								Cyclotetramethylenetetran	C	LW12		1.18	UGG	22-Apr-95
								RDX / Cyclonite / Hexahyd	C	LW12		1.51	UGG	22-Apr-95
							TAL_METAL	Arsenic		JD19		4.34	UGG	22-Apr-95
								Barium		JS16		216	UGG	22-Apr-95
								Chromium		JS16		20.8	UGG	22-Apr-95
								Lead		JS16		58.1	UGG	22-Apr-95
			R02SA609	SA60902		1.5	Arsenic			JD19		3.8	UGG	21-Apr-95
								Barium		JS16		136	UGG	21-Apr-95
								Chromium		JS16		21.3	UGG	21-Apr-95
	Lead						JD17		2.21	UGG	21-Apr-95			
R02SA610	SA61002		1.5	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		0.804	UGG	21-Apr-95			
				TAL_METAL	Arsenic		JD19		2.98	UGG	21-Apr-95			
					Barium		JS16		74.7	UGG	21-Apr-95			
					Chromium		JS16		10.2	UGG	21-Apr-95			
					Lead		JS16		15.6	UGG	21-Apr-95			
R02SA611	SA61102		3	Arsenic			JD19		3.97	UGG	21-Apr-95			
					Barium		JS16		166	UGG	21-Apr-95			
					Chromium		JS16		17.4	UGG	21-Apr-95			
					Lead		JD17		3.28	UGG	21-Apr-95			
R02SA611	SA61102		1.5	Arsenic			JD19		4.26	UGG	21-Apr-95			
					Barium		JS16		155	UGG	21-Apr-95			
					Chromium		JS16		14.7	UGG	21-Apr-95			
					Lead		JD17		3.44	UGG	21-Apr-95			

85

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	AHOL	R02SA611	SA61103	3	TAL_METAL	Arsenic		JD19		3.55	UGG	21-Apr-95
							Barium		JS16		144	UGG	21-Apr-95
							Chromium		JS16		12.7	UGG	21-Apr-95
							Lead		JD17		2.78	UGG	21-Apr-95
			R02SA613	SA61302	1.5	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		5.69	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		7.26	UGG	24-Apr-95
							Barium		JS16		172	UGG	24-Apr-95
							Chromium		JS16		16.1	UGG	24-Apr-95
							Lead		JS16		15.1	UGG	24-Apr-95
				SA61303	3	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		3.32	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		5.71	UGG	24-Apr-95
							Barium		JS16		155	UGG	24-Apr-95
							Chromium		JS16		16.2	UGG	24-Apr-95
							Lead		JS16		18.4	UGG	24-Apr-95
			R02SA614	SA61402	1.5	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		3.32	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		4.43	UGG	24-Apr-95
							Barium		JS16		148	UGG	24-Apr-95
							Chromium		JS16		18.6	UGG	24-Apr-95
							Lead		JD17		5.58	UGG	24-Apr-95
							Mercury		JB01		0.0577	UGG	24-Apr-95
				SA61403	3	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		1.26	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		5.54	UGG	24-Apr-95
							Barium		JS16		267	UGG	24-Apr-95
							Chromium		JS16		20	UGG	24-Apr-95
							Lead		JD17		5.79	UGG	24-Apr-95
			R02SA615	SA61502	1.5		Arsenic		JD19		4.69	UGG	24-Apr-95
							Barium		JS16		155	UGG	24-Apr-95
							Chromium		JS16		18.5	UGG	24-Apr-95
							Lead		JD17		5.31	UGG	24-Apr-95
				SA61503	3		Arsenic		JD19		2.16	UGG	24-Apr-95
							Barium		JS16		172	UGG	24-Apr-95
							Chromium		JS16		15.3	UGG	24-Apr-95
							Lead		JS16		15.4	UGG	24-Apr-95
			R02SA617	SA61702	1.5	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		3.94	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		4.69	UGG	25-Apr-95

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	AHOL	R02SA617	SA61702	1.5	TAL_METAL	Arsenic		JD19		5.05	UGG	25-Apr-95
							Barium		JS16		215	UGG	25-Apr-95
							Chromium		JS16		15.1	UGG	25-Apr-95
							Lead		JS16		19.3	UGG	25-Apr-95
				SA61703	3	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		1.56	UGG	25-Apr-95
							Cyclotetramethylenetetran	C	LW12		1.98	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		4.14	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		5.84	UGG	25-Apr-95
							Barium		JS16		188	UGG	25-Apr-95
							Chromium		JS16		22	UGG	25-Apr-95
							Lead		JD17		5.39	UGG	25-Apr-95
			R02SA618	SA61802	1.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		2.56	UGG	25-Apr-95
							Cyclotetramethylenetetran	C	LW12		3.64	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		5.81	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		4.68	UGG	25-Apr-95
							Barium		JS16		192	UGG	25-Apr-95
							Chromium		JS16		17.5	UGG	25-Apr-95
							Lead		JS16		24.2	UGG	25-Apr-95
							Selenium		JD15		0.393	UGG	25-Apr-95
				SA61803	3	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		2.47	UGG	25-Apr-95
							Cyclotetramethylenetetran	C	LW12		2	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		4.02	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		6.34	UGG	25-Apr-95
							Barium		JS16		216	UGG	25-Apr-95
							Chromium		JS16		23.3	UGG	25-Apr-95
							Lead		JS16		18.9	UGG	25-Apr-95
							Selenium		JD15		0.359	UGG	25-Apr-95
			R02SA619	SA61902	1.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		0.767	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		6.56	UGG	25-Apr-95
							Barium		JS16		178	UGG	25-Apr-95
							Chromium		JS16		15.2	UGG	25-Apr-95
							Lead		JS16		25.9	UGG	25-Apr-95
				SA61903	3	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		0.741	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		1.4	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		5.06	UGG	25-Apr-95

Table 6.2-3 Line 2 (R02)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	AHOL	R02SA619	SA61903	3	TAL_METAL	Barium		JS16		187	UGG	25-Apr-95
							Chromium		JS16		15.6	UGG	25-Apr-95
							Lead		JD17		5.73	UGG	25-Apr-95
			R02SA621	SA62102	1.5		Arsenic		JD19		5.48	UGG	26-Apr-95
							Barium		JS16		147	UGG	26-Apr-95
							Chromium		JS16		7.7	UGG	26-Apr-95
							Lead		JD17		4.64	UGG	26-Apr-95
				SA62103	3		Arsenic		JD19		2.77	UGG	26-Apr-95
							Barium		JS16		140	UGG	26-Apr-95
							Chromium		JS16		9.6	UGG	26-Apr-95
							Lead		JD17		4.38	UGG	26-Apr-95
							Selenium		JD15		0.36	UGG	26-Apr-95
			R02SA622	SA62202	1.5		Arsenic		JD19		4.3	UGG	26-Apr-95
							Barium		JS16		134	UGG	26-Apr-95
							Cadmium		JS16		0.86	UGG	26-Apr-95
							Chromium		JS16		11.2	UGG	26-Apr-95
							Lead		JS16		21.8	UGG	26-Apr-95
				SA62203	3		Arsenic		JD19		6.96	UGG	26-Apr-95
							Barium		JS16		325	UGG	26-Apr-95
							Chromium		JS16		10.1	UGG	26-Apr-95
							Lead		JD17		6.82	UGG	26-Apr-95
			R02SA623	SA62302	1.5		Arsenic		JD19		3.12	UGG	25-Apr-95
							Barium		JS16		123	UGG	25-Apr-95
							Chromium		JS16		18.5	UGG	25-Apr-95
							Lead		JS16		16.7	UGG	25-Apr-95
				SA62303	3		Arsenic		JD19		5.37	UGG	25-Apr-95
							Barium		JS16		214	UGG	25-Apr-95
							Chromium		JS16		15.3	UGG	25-Apr-95
							Lead		JS16		16.7	UGG	25-Apr-95
		BORE	R02SA7401	SA7401	1		Arsenic		JD19		8.8	UGG	25-Oct-92
							Barium		JS16		217	UGG	25-Oct-92
							Chromium		JS16		17.4	UGG	25-Oct-92
							Lead		JD17		25	UGG	25-Oct-92
			R02SA7601	SA7601			Arsenic		JD19		9.34	UGG	26-Oct-92
							Barium		JS16		162	UGG	26-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	R02SA7601	SA7601	1	TAL_METAL	Chromium		JS16		18.1	UGG	26-Oct-92
							Lead		JD17		26	UGG	26-Oct-92
							Selenium		JD15		1.56	UGG	26-Oct-92
			R02SA8101	SA8101			Arsenic		JD19		11	UGG	20-Oct-92
							Barium		JS16		210	UGG	20-Oct-92
							Cadmium		JS16		1.47	UGG	20-Oct-92
							Chromium		JS16		61.4	UGG	20-Oct-92
							Lead		JS16		31.8	UGG	20-Oct-92
			R02SA8401	SA8401			Arsenic		JD19		9.4	UGG	26-Oct-92
							Barium		JS16		167	UGG	26-Oct-92
							Chromium		JS16		17.6	UGG	26-Oct-92
							Lead		JS16		25.5	UGG	26-Oct-92
							Selenium		JD15		1.17	UGG	26-Oct-92
			R02SA8501	SA8501			Arsenic		JD19		8.97	UGG	26-Oct-92
							Barium		JS16		211	UGG	26-Oct-92
							Chromium		JS16		24.8	UGG	26-Oct-92
							Lead		JS16		1200	UGG	26-Oct-92
							Selenium		JD15		1.05	UGG	26-Oct-92
			R02SA8801	SA8801			Arsenic		JD19		4.3	UGG	24-Oct-92
							Barium		JS16		44.1	UGG	24-Oct-92
							Chromium		JS16		7.41	UGG	24-Oct-92
							Lead		JD17		12	UGG	24-Oct-92
			R02SA9201	SA9201	2	EXPLOSIVES	Cyclotetramethylenetetran		LW12		5.57	UGG	08-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		0.992	UGG	08-Nov-92
			R02SA9302	SA9302			Cyclotetramethylenetetran		LW12		4.85	UGG	08-Nov-92
			R02SA9501	SA9501	1	TAL_METAL	Arsenic		JD19		10	UGG	03-Nov-92
							Barium		JS16		214	UGG	03-Nov-92
							Chromium		JS16		18.6	UGG	03-Nov-92
							Lead		JD17		17	UGG	03-Nov-92
			R02SA9801	SA9801			Arsenic		JD19		6.73	UGG	09-Nov-92
							Barium		JS16		183	UGG	09-Nov-92
							Cadmium		JS16		1.46	UGG	09-Nov-92
							Chromium		JS16		15	UGG	09-Nov-92
							Lead		JS16		24.2	UGG	09-Nov-92
			R02SA9901	SA9901			Arsenic		JD19		7.71	UGG	08-Nov-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	R02SA9901	SA9901	1	TAL_METAL	Barium		JS16		181	UGG	08-Nov-92
							Cadmium		JS16		2.37	UGG	08-Nov-92
							Chromium		JS16		18.7	UGG	08-Nov-92
							Lead		JS16		48.7	UGG	08-Nov-92
		SURF	R02SD605	SD60501	0.5		Arsenic		JD19		6.64	UGG	22-Apr-95
							Barium		JS16		328	UGG	22-Apr-95
							Chromium		JS16		13.2	UGG	22-Apr-95
							Lead		JS16		21.6	UGG	22-Apr-95
							Mercury		JB01		0.0871	UGG	22-Apr-95
			R02SS0101	SS0101			Arsenic		JD19		12	UGG	22-Oct-92
							Barium		JS16		204	UGG	22-Oct-92
							Chromium		JS16		16.2	UGG	22-Oct-92
							Lead		JS16		35.5	UGG	22-Oct-92
							Selenium		JD15		1.07	UGG	22-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.095	UGG	22-Oct-92
							Fluoranthene		LM18		0.11	UGG	22-Oct-92
			R02SS0102	SS0102		TAL_METAL	Arsenic		JD19		12.5	UGG	22-Oct-92
							Barium		JS16		202	UGG	22-Oct-92
							Chromium		JS16		20.1	UGG	22-Oct-92
							Lead		JS16		29.4	UGG	22-Oct-92
							Selenium		JD15		1.16	UGG	22-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.13	UGG	22-Oct-92
							Benzo[k]fluoranthene		LM18		0.084	UGG	22-Oct-92
							Fluoranthene		LM18		0.12	UGG	22-Oct-92
			R02SS0201	SS0201		TAL_METAL	Arsenic		JD19		7.03	UGG	23-Oct-92
							Barium		JS16		252	UGG	23-Oct-92
							Chromium		JS16		22.2	UGG	23-Oct-92
							Lead		JD17		39	UGG	23-Oct-92
							Mercury		JB01		1.07	UGG	23-Oct-92
							Selenium		JD15		1.46	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.16	UGG	23-Oct-92
							Fluoranthene		LM18		0.15	UGG	23-Oct-92
							Phenanthrene		LM18		0.082	UGG	23-Oct-92
			R02SS0301	SS0301		TAL_METAL	Arsenic		JD19		5.4	UGG	22-Oct-92
							Barium		JS16		177	UGG	22-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS0301	SS0301	0.5	TAL_METAL	Chromium		JS16		28.3	UGG	22-Oct-92
							Lead		JD17		15	UGG	22-Oct-92
							Selenium		JD15		1.32	UGG	22-Oct-92
			R02SS0401	SS0401			Arsenic		JD19		13	UGG	23-Oct-92
							Barium		JS16		280	UGG	23-Oct-92
							Cadmium		JS16		1.41	UGG	23-Oct-92
							Chromium		JS16		41.2	UGG	23-Oct-92
							Lead		JS16		513	UGG	23-Oct-92
							Selenium		JD15		1.29	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.2	UGG	23-Oct-92
							Benzo[k]fluoranthene		LM18		0.12	UGG	23-Oct-92
							Chrysene		LM18		0.21	UGG	23-Oct-92
							Fluoranthene		LM18		0.18	UGG	23-Oct-92
			R02SS0501	SS0501		TAL_METAL	Arsenic		JD19		8.4	UGG	23-Oct-92
							Barium		JS16		206	UGG	23-Oct-92
							Cadmium		JS16		1.72	UGG	23-Oct-92
							Chromium		JS16		27.5	UGG	23-Oct-92
							Lead		JS16		172	UGG	23-Oct-92
							Selenium		JD15		1.01	UGG	23-Oct-92
			R02SS0601	SS0601			Arsenic		JD19		9.74	UGG	23-Oct-92
							Barium		JS16		197	UGG	23-Oct-92
							Cadmium		JS16		3.95	UGG	23-Oct-92
							Chromium		JS16		20.8	UGG	23-Oct-92
							Lead		JD17		22	UGG	23-Oct-92
							Selenium		JD15		1.36	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.13	UGG	23-Oct-92
							Fluoranthene		LM18		0.15	UGG	23-Oct-92
							Phenanthrene		LM18		0.046	UGG	23-Oct-92
			R02SS0701	SS0701		TAL_METAL	Arsenic		JD19		7.85	UGG	23-Oct-92
							Barium		JS16		163	UGG	23-Oct-92
							Chromium		JS16		18.3	UGG	23-Oct-92
							Lead		JS16		36.4	UGG	23-Oct-92
							Selenium		JD15		1.48	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.12	UGG	23-Oct-92
							Fluoranthene		LM18		0.12	UGG	23-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS0801	SS0801	0.5	TAL_METAL	Arsenic		JD19		16	UGG	23-Oct-92
							Barium		JS16		2330	UGG	23-Oct-92
							Cadmium		JS16		8.21	UGG	23-Oct-92
							Chromium		JS16		32.5	UGG	23-Oct-92
							Lead		JS16		744	UGG	23-Oct-92
							Selenium		JD15		1.65	UGG	23-Oct-92
			R02SS0901	SS0901		EXPLOSIVES	2,4,6-Trinitrotoluene / a	M	LW12		0.686	UGG	23-Oct-92
						TAL_METAL	Arsenic		JD19		7.9	UGG	23-Oct-92
							Barium		JS16		166	UGG	23-Oct-92
							Cadmium		JS16		2.36	UGG	23-Oct-92
							Chromium		JS16		26.7	UGG	23-Oct-92
							Lead		JS16		63.2	UGG	23-Oct-92
							Selenium		JD15		1.1	UGG	23-Oct-92
			R02SS1001	SS1001		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.554	UGG	24-Oct-92
						TAL_METAL	Arsenic		JD19		11.4	UGG	24-Oct-92
							Barium		JS16		197	UGG	24-Oct-92
							Chromium		JS16		20.1	UGG	24-Oct-92
							Lead		JS16		34.6	UGG	24-Oct-92
						TCL_BNA	2-Methylnaphthalene		LM18		3	UGG	24-Oct-92
							Acenaphthene		LM18		9	UGG	24-Oct-92
							Anthracene		LM18		10	UGG	24-Oct-92
							Benzo[a]anthracene		LM18		20	UGG	24-Oct-92
							Benzo[a]pyrene		LM18		30	UGG	24-Oct-92
							Benzo[b]fluoranthene / 3,		LM18		30	UGG	24-Oct-92
							Benzo[def]phenanthrene /		LM18		40	UGG	24-Oct-92
							Benzo[ghi]perylene		LM18		10	UGG	24-Oct-92
							Benzo[k]fluoranthene		LM18		8	UGG	24-Oct-92
							Carbazole / 9H-Carbazole	S	LM18		10	UGG	24-Oct-92
							Chrysene		LM18		30	UGG	24-Oct-92
							Dibenz[ah]anthracene / 1,		LM18		5	UGG	24-Oct-92
							Dibenzofuran		LM18		7	UGG	24-Oct-92
							Fluoranthene		LM18		60	UGG	24-Oct-92
							Fluorene / 9H-Fluorene		LM18		10	UGG	24-Oct-92
							Indeno[1,2,3-C,D]pyrene		LM18		30	UGG	24-Oct-92
							Naphthalene / Tar camphor		LM18		7	UGG	24-Oct-92

Date 4/16/96

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS1001	SS1001	0.5	TCL_BNA	Phenanthrene		LM18		50	UGG	24-Oct-92
			R02SS11001	SS11001		TAL_METAL	Arsenic		JD19		5.3	UGG	23-Nov-92
							Barium		JS16		36	UGG	23-Nov-92
							Chromium		JS16		6.14	UGG	23-Nov-92
							Lead		JD17		15	UGG	23-Nov-92
			R02SS1101	SS1101		EXPLOSIVES	Cyclotetramethylenetetran		LW12		2.13	UGG	24-Oct-92
						TAL_METAL	Arsenic		JD19		11	UGG	24-Oct-92
							Barium		JS16		340	UGG	24-Oct-92
							Chromium		JS16		42.5	UGG	24-Oct-92
							Lead		JS16		152	UGG	24-Oct-92
							Mercury		JB01		0.0932	UGG	24-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.1	UGG	24-Oct-92
							Bis(2-ethylhexyl) phthala		LM18		0.93	UGG	24-Oct-92
							Fluoranthene		LM18		0.15	UGG	24-Oct-92
						TCL_VOA	Toluene	S	LM18		0.72	UGG	24-Oct-92
			R02SS11101	SS11101		TAL_METAL	Arsenic		JD19		9.1	UGG	08-Nov-92
							Barium		JS16		178	UGG	08-Nov-92
							Chromium		JS16		18.1	UGG	08-Nov-92
							Lead		JS16		42.7	UGG	08-Nov-92
							Mercury		JB01		0.0703	UGG	08-Nov-92
			R02SS11501	SS11501			Arsenic		JD19		6.7	UGG	21-Nov-92
							Barium		JS16		155	UGG	21-Nov-92
							Cadmium		JS16		0.792	UGG	21-Nov-92
							Chromium		JS16		75	UGG	21-Nov-92
							Lead		JS16		35	UGG	21-Nov-92
			R02SS11601	SS11601			Arsenic		JD19		1.18	UGG	22-Nov-92
							Barium		JS16		24.9	UGG	22-Nov-92
							Chromium		JS16		15.9	UGG	22-Nov-92
							Lead		JS16		81	UGG	22-Nov-92
			R02SS1201	SS1201			Arsenic		JD19		8.22	UGG	24-Oct-92
							Barium		JS16		161	UGG	24-Oct-92
							Chromium		JS16		27.8	UGG	24-Oct-92
							Lead		JS16		32.5	UGG	24-Oct-92
							Mercury		JB01		0.234	UGG	24-Oct-92
			R02SS12101	SS12101			Arsenic		JD19		8.6	UGG	23-Nov-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS12101	SS12101	0.5	TAL_METAL	Barium		JS16		218	UGG	23-Nov-92
							Cadmium		JS16		1.26	UGG	23-Nov-92
							Chromium		JS16		16.9	UGG	23-Nov-92
							Lead		JS16		67.6	UGG	23-Nov-92
							Mercury		JB01		0.0616	UGG	23-Nov-92
							Selenium		JD15		0.502	UGG	23-Nov-92
			R02SS1301	SS1301			Arsenic		JD19		7.94	UGG	24-Oct-92
							Barium		JS16		303	UGG	24-Oct-92
							Chromium		JS16		12.3	UGG	24-Oct-92
							Lead		JD17		27	UGG	24-Oct-92
			R02SS1401	SS1401		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.694	UGG	22-Oct-92
							2,4,6-Trinitrotoluene / a	L	LW12		6.59	UGG	22-Oct-92
							Cyclotetramethylenetetran		LW12		2.63	UGG	22-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		0.805	UGG	22-Oct-92
						TAL_METAL	Arsenic		JD19		5.6	UGG	22-Oct-92
							Barium		JS16		190	UGG	22-Oct-92
							Chromium		JS16		44.6	UGG	22-Oct-92
							Lead		JD17		39	UGG	22-Oct-92
							Mercury		JB01		0.178	UGG	22-Oct-92
							Selenium		JD15		1.14	UGG	22-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.12	UGG	22-Oct-92
							Fluoranthene		LM18		0.11	UGG	22-Oct-92
			R02SS1501	SS1501		TAL_METAL	Arsenic		JD19		6.04	UGG	24-Oct-92
							Barium		JS16		148	UGG	24-Oct-92
							Cadmium		JS16		2.61	UGG	24-Oct-92
							Chromium		JS16		55.9	UGG	24-Oct-92
							Lead		JS16		117	UGG	24-Oct-92
							Mercury		JB01		0.0949	UGG	24-Oct-92
			R02SS1601	SS1601		EXPLOSIVES	2,4,6-Trinitrotoluene / a	L	LW12		2.2	UGG	22-Oct-92
							Cyclotetramethylenetetran		LW12		13.7	UGG	22-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		0.785	UGG	22-Oct-92
						TAL_METAL	Arsenic		JD19		4.04	UGG	22-Oct-92
							Barium		JS16		155	UGG	22-Oct-92
							Cadmium		JS16		8.06	UGG	22-Oct-92
							Chromium		JS16		257	UGG	22-Oct-92

Date 4/16/96

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS1601	SS1601	0.5	TAL_METAL	Lead		JS16		497	UGG	22-Oct-92
							Mercury		JB01		53	UGG	22-Oct-92
							Selenium		JD15		1.47	UGG	22-Oct-92
			R02SS1701	SS1701			Arsenic		JD19		1.87	UGG	24-Oct-92
							Barium		JS16		13.9	UGG	24-Oct-92
							Cadmium		JS16		0.984	UGG	24-Oct-92
							Chromium		JS16		7.23	UGG	24-Oct-92
							Lead		JD17		18	UGG	24-Oct-92
			R02SS1801	SS1801			Arsenic		JD19		5.72	UGG	23-Oct-92
							Barium		JS16		133	UGG	23-Oct-92
							Cadmium		JS16		4.12	UGG	23-Oct-92
							Chromium		JS16		73.4	UGG	23-Oct-92
							Lead		JS16		452	UGG	23-Oct-92
							Mercury		JB01		0.16	UGG	23-Oct-92
							Selenium		JD15		1.44	UGG	23-Oct-92
							Silver		JS16		1.18	UGG	23-Oct-92
			R02SS1901	SS1901			Arsenic		JD19		7.14	UGG	23-Oct-92
							Barium		JS16		151	UGG	23-Oct-92
							Cadmium		JS16		1.67	UGG	23-Oct-92
							Chromium		JS16		23.2	UGG	23-Oct-92
							Lead		JS16		85.6	UGG	23-Oct-92
							Selenium		JD15		1.41	UGG	23-Oct-92
			R02SS2001	SS2001			Arsenic		JD19		3.66	UGG	23-Oct-92
							Barium		JS16		42.7	UGG	23-Oct-92
							Cadmium		JS16		3.75	UGG	23-Oct-92
							Chromium		JS16		12.6	UGG	23-Oct-92
							Lead		JS16		137	UGG	23-Oct-92
							Selenium		JD15		1.69	UGG	23-Oct-92
							Silver		JS16		1.91	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		1.3	UGG	23-Oct-92
							Benzo[k]fluoranthene		LM18		0.14	UGG	23-Oct-92
							Bis(2-ethylhexyl) phthala		LM18		1.7	UGG	23-Oct-92
							Chrysene		LM18		0.41	UGG	23-Oct-92
							Di-n-butyl phthalate		LM18		0.7	UGG	23-Oct-92
							Fluoranthene		LM18		0.79	UGG	23-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS2001	SS2001	0.5	TCL_BNA	Phenanthrene		LM18		0.4	UGG	23-Oct-92
			R02SS2101	SS2101		TAL_METAL	Arsenic		JD19		9.7	UGG	23-Oct-92
							Barium		JS16		173	UGG	23-Oct-92
							Chromium		JS16		24.3	UGG	23-Oct-92
							Lead		JS16		36.4	UGG	23-Oct-92
							Selenium		JD15		1.39	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.2	UGG	23-Oct-92
							Fluoranthene		LM18		0.19	UGG	23-Oct-92
							Phenanthrene		LM18		0.069	UGG	23-Oct-92
			R02SS2201	SS2201		TAL_METAL	Arsenic		JD19		7.57	UGG	23-Oct-92
							Barium		JS16		156	UGG	23-Oct-92
							Chromium		JS16		12.3	UGG	23-Oct-92
							Lead		JS16		48.7	UGG	23-Oct-92
							Selenium		JD15		1.66	UGG	23-Oct-92
						TCL_BNA	Phenanthrene		LM18		0.043	UGG	23-Oct-92
			R02SS2301	SS2301		TAL_METAL	Arsenic		JD19		33	UGG	23-Oct-92
							Barium		JS16		237	UGG	23-Oct-92
							Cadmium		JS16		16.1	UGG	23-Oct-92
							Chromium		JS16		118	UGG	23-Oct-92
							Lead		JS16		4380	UGG	23-Oct-92
							Mercury		JB01		0.0929	UGG	23-Oct-92
							Selenium		JD15		3.29	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.6	UGG	23-Oct-92
							Di-n-butyl phthalate		LM18		0.7	UGG	23-Oct-92
			R02SS2401	SS2401		TAL_METAL	Arsenic		JD19		9.2	UGG	23-Oct-92
							Barium		JS16		243	UGG	23-Oct-92
							Chromium		JS16		22.3	UGG	23-Oct-92
							Lead		JS16		34.7	UGG	23-Oct-92
							Selenium		JD15		1.11	UGG	23-Oct-92
			R02SS2501	SS2501			Arsenic		JD19		4.72	UGG	23-Oct-92
							Barium		JS16		139	UGG	23-Oct-92
							Chromium		JS16		28.1	UGG	23-Oct-92
							Lead		JS16		130	UGG	23-Oct-92
							Selenium		JD15		1.05	UGG	23-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.16	UGG	23-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS2501	SS2501	0.5	TCL_BNA	Fluoranthene		LM18		0.12	UGG	23-Oct-92
			R02SS4401	SS4401		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.745	UGG	13-Oct-92
							Cyclotetramethylenetetran		LW12		54	UGG	13-Oct-92
			R02SS4501	SS4501			Cyclotetramethylenetetran		LW12		15.9	UGG	13-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		0.719	UGG	13-Oct-92
			R02SS4801	SS4801			Cyclotetramethylenetetran		LW12		3.19	UGG	11-Oct-92
			R02SS5201	SS5201		TAL_METAL	Arsenic		JD19		7.69	UGG	11-Oct-92
							Barium		JS16		204	UGG	11-Oct-92
							Cadmium		JS16		2.79	UGG	11-Oct-92
							Chromium		JS16		55.9	UGG	11-Oct-92
							Lead		JS16		38.1	UGG	11-Oct-92
			R02SS5301	SS5301			Arsenic		JD19		7.93	UGG	10-Oct-92
							Barium		JS16		176	UGG	10-Oct-92
							Cadmium		JS16		7.29	UGG	10-Oct-92
							Chromium		JS16		30	UGG	10-Oct-92
							Lead		JS16		221	UGG	10-Oct-92
							Silver		JS16		2.57	UGG	10-Oct-92
			R02SS5401	SS5401			Arsenic		JD19		6.02	UGG	11-Oct-92
							Barium		JS16		168	UGG	11-Oct-92
							Chromium		JS16		17.7	UGG	11-Oct-92
							Lead		JS16		22.6	UGG	11-Oct-92
							Selenium		JD15		0.8	UGG	11-Oct-92
			R02SS5501	SS5501			Arsenic		JD19		4.73	UGG	11-Oct-92
							Barium		JS16		138	UGG	11-Oct-92
							Cadmium		JS16		3.49	UGG	11-Oct-92
							Chromium		JS16		50.2	UGG	11-Oct-92
							Lead		JS16		229	UGG	11-Oct-92
							Mercury		JB01		0.0868	UGG	11-Oct-92
							Selenium		JD15		0.88	UGG	11-Oct-92
							Silver		JS16		2.58	UGG	11-Oct-92
			R02SS5601	SS5601			Arsenic		JD19		6.2	UGG	11-Oct-92
							Barium		JS16		171	UGG	11-Oct-92
							Cadmium		JS16		1.46	UGG	11-Oct-92
							Chromium		JS16		34.5	UGG	11-Oct-92
							Lead		JS16		189	UGG	11-Oct-92

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS5601	SS5601	0.5	TAL_METAL	Mercury		JB01		0.0601	UGG	11-Oct-92
			R02SS5701	SS5701			Arsenic		JD19		8.5	UGG	11-Oct-92
							Barium		JS16		220	UGG	11-Oct-92
							Cadmium		JS16		1.85	UGG	11-Oct-92
							Chromium		JS16		104	UGG	11-Oct-92
							Lead		JS16		37.3	UGG	11-Oct-92
							Selenium		JD15		0.74	UGG	11-Oct-92
			R02SS5801	SS5801			Arsenic		JD19		6.47	UGG	11-Oct-92
							Barium		JS16		146	UGG	11-Oct-92
							Cadmium		JS16		2.51	UGG	11-Oct-92
							Chromium		JS16		34.8	UGG	11-Oct-92
							Lead		JS16		248	UGG	11-Oct-92
							Mercury		JB01		0.153	UGG	11-Oct-92
			R02SS5901	SS5901			Arsenic		JD19		5.99	UGG	12-Oct-92
							Barium		JS16		89.6	UGG	12-Oct-92
							Cadmium		JS16		1.84	UGG	12-Oct-92
							Chromium		JS16		11.4	UGG	12-Oct-92
							Lead		JS16		89.5	UGG	12-Oct-92
			R02SS6001	SS6001			Arsenic		JD19		8.8	UGG	11-Oct-92
							Barium		JS16		172	UGG	11-Oct-92
							Chromium		JS16		22.7	UGG	11-Oct-92
							Lead		JS16		80.1	UGG	11-Oct-92
							Selenium		JD15		1	UGG	11-Oct-92
			R02SS601	SS60101		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		5.33	UGG	21-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		16.1	UGG	21-Apr-95
							2,4-Dinitrotoluene	C	LW12		17.4	UGG	21-Apr-95
							Cyclotetramethylenetetran	C	LW12		4.14	UGG	21-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		11.6	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		3.92	UGG	21-Apr-95
							Barium		JS16		207	UGG	21-Apr-95
							Cadmium		JS16		5.79	UGG	21-Apr-95
							Chromium		JS16		113	UGG	21-Apr-95
							Lead		JS16		360	UGG	21-Apr-95
							Mercury		JB01		0.797	UGG	21-Apr-95
				SS60104		EXPLOSIVES	1,3,5-Trinitrobenzene	CD	LW12		4.59	UGG	21-Apr-95

Table 6.2-3 Line 2 (R02)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS601	SS60104	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a	CD	LW12		15.6	UGG	21-Apr-95
							2,4-Dinitrotoluene	CD	LW12		11.1	UGG	21-Apr-95
							Cyclotetramethylenetetran	CD	LW12		4.7	UGG	21-Apr-95
							Nitrobenzene / Essence of	CD	LW12		6.7	UGG	21-Apr-95
							RDX / Cyclonite / Hexahyd	CD	LW12		11.6	UGG	21-Apr-95
						TAL_METAL	Arsenic	D	JD19		5.12	UGG	21-Apr-95
							Barium	D	JS16		226	UGG	21-Apr-95
							Cadmium	D	JS16		3.25	UGG	21-Apr-95
							Chromium	D	JS16		104	UGG	21-Apr-95
			R02SS602	SS60201		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		8.75	UGG	22-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		14.4	UGG	22-Apr-95
							2,4-Dinitrotoluene	C	LW12		9.63	UGG	22-Apr-95
							Cyclotetramethylenetetran	C	LW12		7.89	UGG	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		7.67	UGG	22-Apr-95
						TAL_METAL	Arsenic		JD19		2.18	UGG	22-Apr-95
							Barium		JS16		78.2	UGG	22-Apr-95
							Cadmium		JS16		1.95	UGG	22-Apr-95
							Chromium		JS16		32.3	UGG	22-Apr-95
		R02SS603	SS60301		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		6.61	UGG	21-Apr-95	
						2,4,6-Trinitrotoluene / a	C	LW12		3.27	UGG	21-Apr-95	
						2,4-Dinitrotoluene	C	LW12		1.26	UGG	21-Apr-95	
						Cyclotetramethylenetetran	C	LW12		3.07	UGG	21-Apr-95	
						RDX / Cyclonite / Hexahyd	C	LW12		2.39	UGG	21-Apr-95	
					TAL_METAL	Arsenic		JD19		5.5	UGG	21-Apr-95	
						Barium		JS16		190	UGG	21-Apr-95	
						Chromium		JS16		17.8	UGG	21-Apr-95	
						Lead		JS16		32	UGG	21-Apr-95	
		AHOL	SS60302		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		0.813	UGG	21-Apr-95	
						2,4,6-Trinitrotoluene / a	C	LW12		1.01	UGG	21-Apr-95	
						Cyclotetramethylenetetran	C	LW12		4.11	UGG	21-Apr-95	
						RDX / Cyclonite / Hexahyd	C	LW12		12.5	UGG	21-Apr-95	

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	AHOL	R02SS603	SS60302	1.5	TAL_METAL	Arsenic		JD19		6.38	UGG	21-Apr-95
							Barium		JS16		210	UGG	21-Apr-95
							Chromium		JS16		16.4	UGG	21-Apr-95
							Lead		JD17		5.02	UGG	21-Apr-95
		SURF	R02SS604	SS60401	0.5	EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		4.14	UGG	21-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		13.6	UGG	21-Apr-95
							2,4-Dinitrotoluene	C	LW12		1.36	UGG	21-Apr-95
							Cyclotetramethylenetetran	C	LW12		5.93	UGG	21-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		18.7	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		3.83	UGG	21-Apr-95
							Barium		JS16		326	UGG	21-Apr-95
							Chromium		JS16		16.3	UGG	21-Apr-95
							Lead		JS16		50.8	UGG	21-Apr-95
							Mercury		JB01		0.194	UGG	21-Apr-95
							Selenium		JD15		0.436	UGG	21-Apr-95
			R02SS609	SS60901			Arsenic		JD19		3.32	UGG	21-Apr-95
							Barium		JS16		103	UGG	21-Apr-95
							Chromium		JS16		20.6	UGG	21-Apr-95
							Lead		JD17		4.54	UGG	21-Apr-95
			R02SS610	SS61001		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		3.96	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		4.74	UGG	21-Apr-95
							Barium		JS16		102	UGG	21-Apr-95
							Cadmium		JS16		1.39	UGG	21-Apr-95
							Chromium		JS16		11.5	UGG	21-Apr-95
							Lead		JS16		83.8	UGG	21-Apr-95
			R02SS6101	SS6101			Arsenic		JD19		6.77	UGG	11-Oct-92
							Barium		JS16		202	UGG	11-Oct-92
							Cadmium		JS16		26.5	UGG	11-Oct-92
							Chromium		JS16		48.9	UGG	11-Oct-92
							Lead		JS16		2070	UGG	11-Oct-92
							Mercury		JB01		0.147	UGG	11-Oct-92
							Selenium		JD15		0.69	UGG	11-Oct-92
							Silver		JS16		1.04	UGG	11-Oct-92
			R02SS611	SS61101		EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		1.58	UGG	21-Apr-95
						TAL_METAL	Arsenic		JD19		5.42	UGG	21-Apr-95

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS611	SS61101	0.5	TAL_METAL	Barium		JS16		146	UGG	21-Apr-95
							Chromium		JS16		16.2	UGG	21-Apr-95
							Lead		JS16		36.9	UGG	21-Apr-95
							Mercury		JB01		0.0553	UGG	21-Apr-95
			R02SS612	SS61201	0.6		Arsenic		JD19		2.77	UGG	02-Jun-95
							Barium		JS16		124	UGG	02-Jun-95
							Chromium		JS16		9.86	UGG	02-Jun-95
							Lead		JS16		21.2	UGG	02-Jun-95
			R02SS613	SS61301	0.5	EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		7.71	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		1.66	UGG	24-Apr-95
							Barium		JS16		40.9	UGG	24-Apr-95
							Chromium		JS16		6.65	UGG	24-Apr-95
							Lead		JS16		36	UGG	24-Apr-95
			R02SS614	SS61401		EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		6.5	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		0.848	UGG	24-Apr-95
							Barium		JS16		36.5	UGG	24-Apr-95
							Chromium		JS16		9.24	UGG	24-Apr-95
							Lead		JD17		5.36	UGG	24-Apr-95
							Mercury		JB01		0.692	UGG	24-Apr-95
			R02SS615	SS61501		EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		18.6	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		1.77	UGG	24-Apr-95
							Barium		JS16		98.7	UGG	24-Apr-95
							Chromium		JS16		22	UGG	24-Apr-95
							Lead		JS16		43.6	UGG	24-Apr-95
							Mercury		JB01		0.354	UGG	24-Apr-95
			R02SS616	SS61601		EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		2.47	UGG	24-Apr-95
						TAL_METAL	Arsenic		JD19		1.86	UGG	24-Apr-95
							Barium		JS16		25.3	UGG	24-Apr-95
							Chromium		JS16		5.7	UGG	24-Apr-95
							Lead		JD17		8.58	UGG	24-Apr-95
							Mercury		JB01		0.0593	UGG	24-Apr-95
			R02SS617	SS61701		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		2.22	UGG	25-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		16.3	UGG	25-Apr-95
							Cyclotetramethylenetetran	C	LW12		2	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		18	UGG	25-Apr-95

Date 4/16/96

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS617	SS61701	0.5	TAL_METAL	Arsenic		JD19		3.98	UGG	25-Apr-95
							Barium		JS16		161	UGG	25-Apr-95
							Cadmium		JS16		0.862	UGG	25-Apr-95
							Chromium		JS16		19.5	UGG	25-Apr-95
							Lead		JS16		140	UGG	25-Apr-95
							Mercury		JB01		0.075	UGG	25-Apr-95
			R02SS618	SS61801		EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		1.72	UGG	25-Apr-95
							2,4,6-Trinitrotoluene / a	C	LW12		11.7	UGG	25-Apr-95
							2,4-Dinitrotoluene	C	LW12		0.429	UGG	25-Apr-95
							Cyclotetramethylenetetran	C	LW12		10.6	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		2.65	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		5.98	UGG	25-Apr-95
							Barium		JS16		219	UGG	25-Apr-95
							Chromium		JS16		20.3	UGG	25-Apr-95
							Lead		JS16		108	UGG	25-Apr-95
							Mercury		JB01		0.101	UGG	25-Apr-95
			R02SS619	SS61901		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		4.63	UGG	25-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		2.95	UGG	25-Apr-95
						TAL_METAL	Arsenic		JD19		4.35	UGG	25-Apr-95
							Barium		JS16		152	UGG	25-Apr-95
							Chromium		JS16		16.3	UGG	25-Apr-95
							Lead		JS16		53.5	UGG	25-Apr-95
			R02SS620	SS62001			Arsenic		JD19		3.84	UGG	25-Apr-95
							Barium		JS16		149	UGG	25-Apr-95
							Chromium		JS16		10.1	UGG	25-Apr-95
							Lead		JS16		15.5	UGG	25-Apr-95
			R02SS6201	SS6201			Arsenic		JD19		7.14	UGG	11-Oct-92
							Barium		JS16		270	UGG	11-Oct-92
							Chromium		JS16		19	UGG	11-Oct-92
							Lead		JS16		40.8	UGG	11-Oct-92
							Mercury		JB01		0.0678	UGG	11-Oct-92
							Silver		JS16		3.29	UGG	11-Oct-92
			R02SS621	SS62101			Arsenic		JD19		3.99	UGG	26-Apr-95
							Barium		JS16		103	UGG	26-Apr-95
							Chromium		JS16		9.99	UGG	26-Apr-95

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS621	SS62101	0.5	TAL_METAL	Lead		JD17		8	UGG	26-Apr-95
			R02SS622	SS62201			Arsenic		JD19		4.28	UGG	26-Apr-95
							Barium		JS16		110	UGG	26-Apr-95
							Cadmium		JS16		1.03	UGG	26-Apr-95
							Chromium		JS16		11.8	UGG	26-Apr-95
							Lead		JD17		8.66	UGG	26-Apr-95
							Selenium		JD15		0.35	UGG	26-Apr-95
			R02SS623	SS62301			Arsenic		JD19		4.35	UGG	25-Apr-95
							Barium		JS16		193	UGG	25-Apr-95
							Chromium		JS16		13.2	UGG	25-Apr-95
							Lead		JD17		5.05	UGG	25-Apr-95
			R02SS624	SS62401			Arsenic		JD19		2.83	UGG	25-Apr-95
							Barium		JS16		173	UGG	25-Apr-95
							Chromium		JS16		11	UGG	25-Apr-95
							Lead		JS16		17.6	UGG	25-Apr-95
			R02SS6301	SS6301			Arsenic		JD19		7.82	UGG	10-Oct-92
							Barium		JS16		173	UGG	10-Oct-92
							Cadmium		JS16		0.851	UGG	10-Oct-92
							Chromium		JS16		21.2	UGG	10-Oct-92
							Lead		JS16		79.5	UGG	10-Oct-92
			R02SS6401	SS6401			Arsenic		JD19		6.75	UGG	10-Oct-92
							Barium		JS16		179	UGG	10-Oct-92
							Chromium		JS16		21.2	UGG	10-Oct-92
							Lead		JS16		38.9	UGG	10-Oct-92
			R02SS6501	SS6501			Arsenic		JD19		4.32	UGG	10-Oct-92
							Barium		JS16		45.5	UGG	10-Oct-92
							Cadmium		JS16		2.82	UGG	10-Oct-92
							Chromium		JS16		38.8	UGG	10-Oct-92
							Lead		JS16		201	UGG	10-Oct-92
							Silver		JS16		67	UGG	10-Oct-92
			R02SS6601	SS6601			Arsenic		JD19		7.41	UGG	12-Oct-92
							Barium		JS16		175	UGG	12-Oct-92
							Cadmium		JS16		7.83	UGG	12-Oct-92
							Chromium		JS16		19.9	UGG	12-Oct-92
							Lead		JS16		50.5	UGG	12-Oct-92

Date 4/16/96

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS6701	SS6701	0.5	TAL_METAL	Arsenic		JD19		2.06	UGG	10-Oct-92
							Barium		JS16		25.2	UGG	10-Oct-92
							Cadmium		JS16		2.51	UGG	10-Oct-92
							Chromium		JS16		7.93	UGG	10-Oct-92
							Lead		JS16		21.8	UGG	10-Oct-92
			R02SS6801	SS6801			Arsenic		JD19		8.53	UGG	10-Oct-92
							Barium		JS16		189	UGG	10-Oct-92
							Cadmium		JS16		0.855	UGG	10-Oct-92
							Chromium		JS16		17.5	UGG	10-Oct-92
							Lead		JS16		40.6	UGG	10-Oct-92
			R02SS7001	SS7001		EXPLOSIVES	Cyclotetramethylenetetran		LW12		2	UGG	25-Oct-92
			R02SS7101	SS7101			Cyclotetramethylenetetran		LW12		0.815	UGG	25-Oct-92
			R02SS7201	SS7201		TAL_METAL	Arsenic		JD19		8	UGG	25-Oct-92
							Barium		JS16		105	UGG	25-Oct-92
							Cadmium		JS16		1.14	UGG	25-Oct-92
							Chromium		JS16		12.2	UGG	25-Oct-92
							Lead		JS16		55.5	UGG	25-Oct-92
			R02SS7301	SS7301			Arsenic		JD19		8.7	UGG	25-Oct-92
							Barium		JS16		181	UGG	25-Oct-92
							Chromium		JS16		18.1	UGG	25-Oct-92
							Lead		JS16		23.7	UGG	25-Oct-92
			R02SS7501	SS7501			Arsenic		JD19		10.4	UGG	26-Oct-92
							Barium		JS16		200	UGG	26-Oct-92
							Chromium		JS16		23.2	UGG	26-Oct-92
							Lead		JS16		33	UGG	26-Oct-92
							Selenium		JD15		1	UGG	26-Oct-92
			R02SS7701	SS7701			Arsenic		JD19		15	UGG	26-Oct-92
							Barium		JS16		1710	UGG	26-Oct-92
							Cadmium		JS16		8.7	UGG	26-Oct-92
							Chromium		JS16		82.9	UGG	26-Oct-92
							Lead		JS16		869	UGG	26-Oct-92
							Mercury		JB01		0.0666	UGG	26-Oct-92
							Selenium		JD15		1.11	UGG	26-Oct-92
			R02SS7801	SS7801			Arsenic		JD19		8.4	UGG	25-Oct-92
							Barium		JS16		142	UGG	25-Oct-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS7801	SS7801	0.5	TAL_METAL	Chromium		JS16		13.4	UGG	25-Oct-92
							Lead		JS16		24.8	UGG	25-Oct-92
			R02SS8001	SS8001			Arsenic		JD19		13	UGG	24-Oct-92
							Barium		JS16		207	UGG	24-Oct-92
							Chromium		JS16		15.5	UGG	24-Oct-92
							Lead		JS16		35.2	UGG	24-Oct-92
							Selenium		JD15		0.441	UGG	24-Oct-92
			R02SS8201	SS8201			Arsenic		JD19		10.7	UGG	26-Oct-92
							Barium		JS16		210	UGG	26-Oct-92
							Cadmium		JS16		1.72	UGG	26-Oct-92
							Chromium		JS16		19.9	UGG	26-Oct-92
							Lead		JS16		87.4	UGG	26-Oct-92
							Mercury		JB01		0.0568	UGG	26-Oct-92
							Selenium		JD15		1.15	UGG	26-Oct-92
			R02SS8601	SS8601			Arsenic		JD19		10	UGG	25-Oct-92
							Barium		JS16		178	UGG	25-Oct-92
							Chromium		JS16		20.4	UGG	25-Oct-92
							Lead		JS16		58.2	UGG	25-Oct-92
							Mercury		JB01		0.0763	UGG	25-Oct-92
			R02SS8701	SS8701			Arsenic		JD19		6.3	UGG	24-Oct-92
							Barium		JS16		87.6	UGG	24-Oct-92
							Chromium		JS16		16.8	UGG	24-Oct-92
							Lead		JS16		501	UGG	24-Oct-92
			R02SS9001	SS9001			Arsenic		JD19		20	UGG	03-Nov-92
							Barium		JS16		37.9	UGG	03-Nov-92
							Cadmium		JS16		8.76	UGG	03-Nov-92
							Chromium		JS16		80.6	UGG	03-Nov-92
							Lead		JS16		885	UGG	03-Nov-92
							Mercury		JB01		0.0565	UGG	03-Nov-92
			R02SS9101	SS9101			Arsenic		JD19		7.17	UGG	27-Oct-92
							Barium		JS16		154	UGG	27-Oct-92
							Chromium		JS16		16.2	UGG	27-Oct-92
							Lead		JS16		69.4	UGG	27-Oct-92
							Mercury		JB01		0.184	UGG	27-Oct-92
							Selenium		JD15		0.393	UGG	27-Oct-92

105

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	R02SS9301	SS9301	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.08	UGG	08-Nov-92
							Cyclotetramethylenetetran		LW12		1200	UGG	08-Nov-92
			R02SS9401	SS9401		TAL_METAL	Arsenic		JD19		5.57	UGG	05-Nov-92
							Barium		JS16		91.4	UGG	05-Nov-92
							Cadmium		JS16		0.928	UGG	05-Nov-92
							Chromium		JS16		15.6	UGG	05-Nov-92
							Lead		JS16		43.4	UGG	05-Nov-92
							Mercury		JB01		0.0775	UGG	05-Nov-92
							Silver		JS16		14	UGG	05-Nov-92
		BORE	SU09SA0102	SA0102	2.5		Arsenic		JD19		9.6	UGG	15-Sep-92
							Barium		JS16		291	UGG	15-Sep-92
							Chromium		JS16		18.8	UGG	15-Sep-92
							Lead		JD17		23	UGG	15-Sep-92
			SU09SA0202	SA0202			Arsenic		JD19		7.37	UGG	15-Sep-92
							Barium		JS16		216	UGG	15-Sep-92
							Chromium		JS16		21.1	UGG	15-Sep-92
							Lead		JD17		15	UGG	15-Sep-92
		SURF	SU09SS0101	SS0101	0.5		Arsenic		JD19		12	UGG	15-Sep-92
							Barium		JS16		191	UGG	15-Sep-92
							Cadmium		JS16		1.31	UGG	15-Sep-92
							Chromium		JS16		31.4	UGG	15-Sep-92
							Lead		JS16		1360	UGG	15-Sep-92
			SU09SS0201	SS0201			Arsenic		JD19		13	UGG	15-Sep-92
							Barium		JS16		235	UGG	15-Sep-92
							Cadmium		JS16		1.9	UGG	15-Sep-92
							Chromium		JS16		31	UGG	15-Sep-92
							Lead		JS16		533	UGG	15-Sep-92
		BORE	SU10SA0102	SA0102	2.6	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.596	UGG	15-Sep-92
							Tetryl / N-Methyl-N,2,4,6		LW12		2.32	UGG	15-Sep-92
						TAL_METAL	Arsenic		JD19		6.96	UGG	15-Sep-92
							Barium		JS16		293	UGG	15-Sep-92
							Chromium		JS16		17.4	UGG	15-Sep-92
							Lead	H	JD17		11	UGG	15-Sep-92
			SU10SA0202	SA0202		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.49	UGG	15-Sep-92
						TAL_METAL	Arsenic		JD19		4.9	UGG	15-Sep-92

106

Date 4/16/96

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	SU10SA0202	SA0202	2.6	TAL_METAL	Barium		JS16		197	UGG	15-Sep-92
							Chromium		JS16		14	UGG	15-Sep-92
							Lead	H	JD17		12	UGG	15-Sep-92
		SURF	SU10SS0101	SS0101	0.5	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.909	UGG	15-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		820	UGG	15-Sep-92
							2,4-Dinitrotoluene		LW12		0.634	UGG	15-Sep-92
							Tetryl / N-Methyl-N,2,4,6		LW12		8300	UGG	15-Sep-92
						TAL_METAL	Arsenic		JD19		8.78	UGG	15-Sep-92
							Barium		JS16		174	UGG	15-Sep-92
							Chromium		JS16		15	UGG	15-Sep-92
							Lead		JS16		259	UGG	15-Sep-92
			SU10SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.739	UGG	15-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		8.31	UGG	15-Sep-92
							2,4-Dinitrotoluene		LW12		0.612	UGG	15-Sep-92
						TAL_METAL	Arsenic		JD19		10	UGG	15-Sep-92
							Barium		JS16		143	UGG	15-Sep-92
							Chromium		JS16		13.8	UGG	15-Sep-92
							Lead		JS16		45.1	UGG	15-Sep-92
		BORE	SU11SA0302	SA0302	1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.914	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		6.46	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		4.17	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		12.5	UGG	16-Sep-92
							Barium		JS16		215	UGG	16-Sep-92
							Chromium		JS16		19.2	UGG	16-Sep-92
							Lead		JS16		33.2	UGG	16-Sep-92
		SURF	SU11SS0101	SS0101	0.5	EXPLOSIVES	Cyclotetramethylenetetran		LW12		1200	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		2.54	UGG	16-Sep-92
							Barium		JS16		28.8	UGG	16-Sep-92
							Chromium		JS16		8	UGG	16-Sep-92
							Lead		JS16		55.8	UGG	16-Sep-92
			SU11SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.896	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		78	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		710	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		56	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		4.39	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	SU11SS0201	SS0201	0.5	TAL_METAL	Barium		JS16		16.5	UGG	16-Sep-92
							Lead	H	JD17		19	UGG	16-Sep-92
			SU11SS0301	SS0301		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		8.4	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		7.2	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.59	UGG	16-Sep-92
							Barium		JS16		114	UGG	16-Sep-92
							Cadmium		JS16		1.12	UGG	16-Sep-92
							Chromium		JS16		149	UGG	16-Sep-92
							Lead		JS16		648	UGG	16-Sep-92
			SU11SS0401	SS0401		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		350	UGG	16-Sep-92
							1,3-Dinitrobenzene		LW12		2.56	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		1400	UGG	16-Sep-92
							2,4-Dinitrotoluene		LW12		2.8	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		780	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		5500	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		10	UGG	16-Sep-92
							Barium		JS16		199	UGG	16-Sep-92
							Cadmium		JS16		1.33	UGG	16-Sep-92
							Chromium		JS16		18.1	UGG	16-Sep-92
							Lead		JS16		29	UGG	16-Sep-92
		BORE	SU12SA0102	SA0102	2.8	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.509	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		1.81	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		7.6	UGG	16-Sep-92
							Barium		JS16		199	UGG	16-Sep-92
							Chromium		JS16		36	UGG	16-Sep-92
							Lead	H	JD17		27	UGG	16-Sep-92
			SU12SA0202	SA0202		EXPLOSIVES	Cyclotetramethylenetetran		LW12		2.57	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		7.8	UGG	16-Sep-92
							Barium		JS16		274	UGG	16-Sep-92
							Chromium		JS16		21.1	UGG	16-Sep-92
							Lead	H	JD17		11	UGG	16-Sep-92
							Selenium		JD15		0.475	UGG	16-Sep-92
			SU12SA0302	SA0302	1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		2.93	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		8.46	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		4.08	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	SU12SA0302	SA0302	1	TAL_METAL	Barium		JS16		265	UGG	16-Sep-92
							Chromium		JS16		20.9	UGG	16-Sep-92
							Lead		JD17		16	UGG	16-Sep-92
		SURF	SU12SS0101	SS0101	0.5	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.525	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		100	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		590	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		35	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		4.49	UGG	16-Sep-92
							Barium		JS16		145	UGG	16-Sep-92
							Cadmium		JS16		2.34	UGG	16-Sep-92
							Chromium		JS16		102	UGG	16-Sep-92
							Lead		JS16		218	UGG	16-Sep-92
							Mercury		JB01		1.03	UGG	16-Sep-92
			SU12SS0201	SS0201		EXPLOSIVES	Cyclotetramethylenetetran		LW12		6700	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1400	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.95	UGG	16-Sep-92
							Barium		JS16		277	UGG	16-Sep-92
							Cadmium		JS16		13.1	UGG	16-Sep-92
							Chromium		JS16		208	UGG	16-Sep-92
							Lead		JS16		988	UGG	16-Sep-92
							Mercury	7	JB01		6.6	UGG	16-Sep-92
			SU12SS0301	SS0301		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		34	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		710	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		2.36	UGG	16-Sep-92
							Barium		JS16		46.5	UGG	16-Sep-92
							Cadmium		JS16		5.87	UGG	16-Sep-92
							Chromium		JS16		49.3	UGG	16-Sep-92
							Lead		JS16		177	UGG	16-Sep-92
							Mercury	7	JB01		1.5	UGG	16-Sep-92
		BORE	SU13SA0102	SA0102	2.9	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.14	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		15.7	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		15.9	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		8.99	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.5	UGG	16-Sep-92
							Barium		JS16		281	UGG	16-Sep-92

109

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	SU13SA0102	SA0102	2.9	TAL_METAL	Chromium		JS16		30	UGG	16-Sep-92
							Lead		JS16		123	UGG	16-Sep-92
							Mercury		JB01		230	UGG	16-Sep-92
							Selenium		JD15		0.574	UGG	16-Sep-92
			SU13SA0202	SA0202		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.614	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		6.5	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		2.67	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		2.69	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		9.69	UGG	16-Sep-92
							Barium		JS16		233	UGG	16-Sep-92
							Chromium		JS16		30.9	UGG	16-Sep-92
							Lead		JS16		38.5	UGG	16-Sep-92
							Mercury	7	JB01		1.08	UGG	16-Sep-92
							Silver		JS16		0.822	UGG	16-Sep-92
			SU13SA0302	SA0302		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		88	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		5.61	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		15.1	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		11.1	UGG	16-Sep-92
							Barium		JS16		246	UGG	16-Sep-92
							Chromium		JS16		25.7	UGG	16-Sep-92
							Lead		JD17		34	UGG	16-Sep-92
							Mercury		JB01		130	UGG	16-Sep-92
							Silver		JS16		0.754	UGG	16-Sep-92
		SURF	SU13SS0101	SS0101	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		160	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		380	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		930	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		10.3	UGG	16-Sep-92
							Barium		JS16		990	UGG	16-Sep-92
							Cadmium		JS16		2.82	UGG	16-Sep-92
							Chromium		JS16		96.2	UGG	16-Sep-92
							Lead		JS16		463	UGG	16-Sep-92
							Mercury		JB01		160	UGG	16-Sep-92
			SU13SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		5.5	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		72	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		84	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	SU13SS0201	SS0201	0.5	EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		8.7	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.55	UGG	16-Sep-92
							Barium		JS16		302	UGG	16-Sep-92
							Cadmium		JS16		1.72	UGG	16-Sep-92
							Chromium		JS16		42.3	UGG	16-Sep-92
							Lead		JS16		673	UGG	16-Sep-92
							Mercury		JB01		11	UGG	16-Sep-92
			SU13SS0301	SS0301		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		3.89	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		290	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		130	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		770	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		8.53	UGG	16-Sep-92
							Barium		JS16		194	UGG	16-Sep-92
							Chromium		JS16		25.1	UGG	16-Sep-92
							Lead		JS16		56.8	UGG	16-Sep-92
							Mercury		JB01		35	UGG	16-Sep-92
		BORE	SU14SA0102	SA0102	3.1	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		4.87	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		24	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		11.3	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		52	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.6	UGG	16-Sep-92
							Barium		JS16		275	UGG	16-Sep-92
							Chromium		JS16		25.2	UGG	16-Sep-92
							Lead		JD17		12	UGG	16-Sep-92
							Mercury	7	JB01		0.0773	UGG	16-Sep-92
							Silver		JS16		0.786	UGG	16-Sep-92
			SU14SA0202	SA0202		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		20.1	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		92	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		280	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.66	UGG	16-Sep-92
							Barium		JS16		260	UGG	16-Sep-92
							Chromium		JS16		25	UGG	16-Sep-92
							Lead		JD17		14	UGG	16-Sep-92
							Selenium		JD15		0.732	UGG	16-Sep-92
							Silver		JS16		0.815	UGG	16-Sep-92

Date 4/16/96

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	SU14SA0302	SA0302	3.1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.509	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		2.48	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1.2	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.77	UGG	16-Sep-92
							Barium		JS16		228	UGG	16-Sep-92
							Chromium		JS16		20.4	UGG	16-Sep-92
							Lead		JD17		16	UGG	16-Sep-92
							Selenium		JD15		0.643	UGG	16-Sep-92
			SU14SA0402	SA0402	1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.687	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		1.12	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.61	UGG	16-Sep-92
							Barium		JS16		248	UGG	16-Sep-92
							Chromium		JS16		21.5	UGG	16-Sep-92
							Lead		JD17		13	UGG	16-Sep-92
							Mercury	7	JB01		0.185	UGG	16-Sep-92
							Selenium		JD15		0.626	UGG	16-Sep-92
		SURF	SU14SS0101	SS0101	0.5	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		21.2	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		6700	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		2700	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		7200	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.21	UGG	16-Sep-92
							Barium		JS16		170	UGG	16-Sep-92
							Chromium		JS16		17.3	UGG	16-Sep-92
							Lead		JD17		26	UGG	16-Sep-92
							Mercury	7	JB01		0.0852	UGG	16-Sep-92
							Selenium		JD15		0.578	UGG	16-Sep-92
			SU14SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.56	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		27	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		10.8	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		63	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		7.33	UGG	16-Sep-92
							Barium		JS16		91.8	UGG	16-Sep-92
							Chromium		JS16		13.1	UGG	16-Sep-92
							Lead		JD17		11.1	UGG	16-Sep-92
			SU14SS0202	SS0202		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		4.76	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	SU14SS0202	SS0202	0.5	EXPLOSIVES	Cyclotetramethylenetetran		LW12		9.53	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		21.6	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.66	UGG	16-Sep-92
							Barium		JS16		105	UGG	16-Sep-92
							Chromium		JS16		16.6	UGG	16-Sep-92
							Lead		JD17		16	UGG	16-Sep-92
			SU14SS0301	SS0301		EXPLOSIVES	Cyclotetramethylenetetran		LW12		1.95	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		7.29	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		7.64	UGG	16-Sep-92
							Barium		JS16		97.6	UGG	16-Sep-92
							Chromium		JS16		16.7	UGG	16-Sep-92
							Lead		JD17		12.4	UGG	16-Sep-92
			SU14SS0401	SS0401		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.54	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		1.23	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.16	UGG	16-Sep-92
							Barium		JS16		174	UGG	16-Sep-92
							Chromium		JS16		21.9	UGG	16-Sep-92
							Lead		JS16		40.9	UGG	16-Sep-92
							Mercury		JB01		3.2	UGG	16-Sep-92
		BORE	SU15SA0102	SA0102	2.8	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.26	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / e		LW12		23	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		5.46	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		4.72	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.6	UGG	16-Sep-92
							Barium		JS16		248	UGG	16-Sep-92
							Chromium		JS16		26.1	UGG	16-Sep-92
							Lead		JD17		24	UGG	16-Sep-92
							Selenium		JD15		0.766	UGG	16-Sep-92
			SU15SA0202	SA0202		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.44	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		3.81	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		2.25	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1.39	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		6.77	UGG	16-Sep-92
							Barium		JS16		272	UGG	16-Sep-92
							Chromium		JS16		19.2	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	BORE	SU15SA0202	SA0202	2.8	TAL_METAL	Lead		JS16		86.6	UGG	16-Sep-92
							Selenium		JD15		0.692	UGG	16-Sep-92
			SU15SA0302	SA0302		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		3.05	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		14.7	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		44	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		5.67	UGG	16-Sep-92
							Barium		JS16		258	UGG	16-Sep-92
							Chromium		JS16		47.4	UGG	16-Sep-92
							Lead		JS16		170	UGG	16-Sep-92
							Mercury	7	JB01		0.147	UGG	16-Sep-92
		SURF	SU15SS0101	SS0101	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		2.45	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		1.29	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		2.37	UGG	16-Sep-92
							Barium		JS16		70.6	UGG	16-Sep-92
							Cadmium		JS16		15.3	UGG	16-Sep-92
							Chromium		JS16		204	UGG	16-Sep-92
							Lead		JS16		1380	UGG	16-Sep-92
							Mercury		JB01		4.6	UGG	16-Sep-92
							Selenium		JD15		0.362	UGG	16-Sep-92
			SU15SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.43	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		15.3	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		99	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		65	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		3.84	UGG	16-Sep-92
							Barium		JS16		84.8	UGG	16-Sep-92
							Cadmium		JS16		5.98	UGG	16-Sep-92
							Chromium		JS16		162	UGG	16-Sep-92
							Lead		JS16		1270	UGG	16-Sep-92
							Mercury		JB01		3.2	UGG	16-Sep-92
			SU15SS0301	SS0301		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		2.55	UGG	16-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		37	UGG	16-Sep-92
							2,4-Dinitrotoluene		LW12		1.53	UGG	16-Sep-92
							Cyclotetramethylenetetran		LW12		350	UGG	16-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1500	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		2.69	UGG	16-Sep-92

Table 6.2-3 Line 2 (R02)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSO	SURF	SU15SS0301	SS0301	0.5	TAL_METAL	Barium		JS16		304	UGG	16-Sep-92
							Cadmium		JS16		2.04	UGG	16-Sep-92
							Chromium		JS16		99.3	UGG	16-Sep-92
							Lead		JS16		183	UGG	16-Sep-92
							Mercury	7	JB01		0.315	UGG	16-Sep-92
		BORE	SU16SA0102	SA0102	3.1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.55	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		4.82	UGG	16-Sep-92
							Barium		JS16		188	UGG	16-Sep-92
							Chromium		JS16		16.3	UGG	16-Sep-92
							Lead		JD17		24	UGG	16-Sep-92
			SU16SA0202	SA0202			Arsenic		JD19		5.34	UGG	16-Sep-92
							Barium		JS16		200	UGG	16-Sep-92
							Chromium		JS16		16.7	UGG	16-Sep-92
							Lead		JD17		20	UGG	16-Sep-92
		SURF	SU16SS0101	SS0101	0.5		Arsenic		JD19		6.2	UGG	16-Sep-92
							Barium		JS16		38.3	UGG	16-Sep-92
							Cadmium		JS16		6.33	UGG	16-Sep-92
							Chromium		JS16		15.3	UGG	16-Sep-92
							Lead		JS16		48.8	UGG	16-Sep-92
			SU16SS0201	SS0201		EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		7.15	UGG	16-Sep-92
						TAL_METAL	Arsenic		JD19		11.8	UGG	16-Sep-92
							Barium		JS16		116	UGG	16-Sep-92
							Cadmium		JS16		1.09	UGG	16-Sep-92
							Chromium		JS16		22.5	UGG	16-Sep-92
							Lead		JD17		21	UGG	16-Sep-92
	CSW	DTCH	R02SW2601	SW2601	0	EXPLOSIVES	1,3,5-Trinitrobenzene		UW32		0.833	UGL	26-Oct-92
							Cyclotetramethylenetetran		UW32		64.4	UGL	26-Oct-92
							RDX / Cyclonite / Hexahyd		UW32		68.4	UGL	26-Oct-92
							Tetryl / N-Methyl-N,2,4,6		UW32		7.39	UGL	26-Oct-92
						TAL_METAL	Barium		SS10		136	UGL	26-Oct-92
							Lead		SD20		2.17	UGL	26-Oct-92
			R02SW2701	SW2701		EXPLOSIVES	Cyclotetramethylenetetran		UW32		3.43	UGL	26-Oct-92
							RDX / Cyclonite / Hexahyd		UW32		14.2	UGL	26-Oct-92
						TAL_METAL	Barium		SS10		90.3	UGL	26-Oct-92
							Lead		SD20		1.74	UGL	26-Oct-92

Table 6.2-3 Line 2 (R02)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R02	CSW	DTCH	R02SW2801	SW2801	0	EXPLOSIVES	Cyclotetramethylenetetran		UW32		4.2	UGL	26-Oct-92
							RDX / Cyclonite / Hexahyd		UW32		21.4	UGL	26-Oct-92
						TAL_METAL	Barium		SS10		126	UGL	26-Oct-92
							Lead		SD20		2.82	UGL	26-Oct-92
		BLDG	R02SW601	SW60101		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	UW32		46.8	UGL	22-Apr-95
							Cyclotetramethylenetetran	C	UW32		20.2	UGL	22-Apr-95
							Nitrobenzene / Essence of	C	UW32		1.05	UGL	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	UW32		29.9	UGL	22-Apr-95
						TAL_METAL	Barium		SS10		53.6	UGL	22-Apr-95
			R02SW602	SW60201		EXPLOSIVES	Cyclotetramethylenetetran	C	UW32		1.33	UGL	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	UW32		4.91	UGL	22-Apr-95
						TAL_METAL	Barium		SS10		44.9	UGL	22-Apr-95
			R02SW603	SW60301		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	UW32		1.64	UGL	22-Apr-95
							Cyclotetramethylenetetran	C	UW32		6.71	UGL	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	UW32		52.6	UGL	22-Apr-95
						TAL_METAL	Barium		SS10		57.7	UGL	22-Apr-95
			R02SW604	SW60401		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	UW32		22.8	UGL	22-Apr-95
							Cyclotetramethylenetetran	C	UW32		67.4	UGL	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	UW32		19.2	UGL	22-Apr-95
						TAL_METAL	Barium		SS10		73.4	UGL	22-Apr-95
							Lead		SD20		1.8	UGL	22-Apr-95
			R02SW605	SW60501		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	UW32		33.1	UGL	22-Apr-95
							Cyclotetramethylenetetran	C	UW32		97.7	UGL	22-Apr-95
							RDX / Cyclonite / Hexahyd	C	UW32		22.9	UGL	22-Apr-95
						TAL_METAL	Barium		SS10		77	UGL	22-Apr-95
		SUMP	SU15SW0101	SW0101		EXPLOSIVES	1,3,5-Trinitrobenzene		UW32		1.04	UGL	18-Sep-92
							2,4,6-Trinitrotoluene / a		UW32		460	UGL	18-Sep-92
							Cyclotetramethylenetetran		UW32		170	UGL	18-Sep-92
							RDX / Cyclonite / Hexahyd		UW32		230	UGL	18-Sep-92
						TAL_METAL	Barium		SS10		23	UGL	18-Sep-92
							Chromium		SS10		13.4	UGL	18-Sep-92
							Lead		SD20		86.3	UGL	18-Sep-92

6.3 LINE 3 (R03)

6.3.1 Site Background

6.3.1.1 Site Description

6.3.1.1.1 Site Features and Operational History

Line 3 (R03) is located in the central portion of IAAP, west of Brush Creek, southwest of Line 1 and west of Line 2. Line 3 occupies 149 acres and has 56 buildings and covered walkways. Buildings at Line 3 include equipment rooms, explosive magazines, 9 sump buildings, melt buildings, and 2 process water treatment facilities. A site map is provided as Figure 6.3-1.

Line 3 has been in operation as a production line since the IAAP was constructed in 1941, except for a temporary shut down period from 1945 to 1949.

From 1977 until approximately 1985, metal cleaning operations were conducted at Line 3. This process included several stainless steel dip tanks where ammunition casings were immersed in a sulfuric acid/hydrochloric bath, followed by a chromic acid bath, and then rinsed with water. Sludge accumulation in the bottom of the sulfuric acid dip tank was removed, treated with sodium hydroxide, and disposed of in the Line 3A pond. The rinse water was accumulated in the settling tank where it was flocculated with alum to facilitate removal of suspended particulates. The pH of the supernatant was adjusted with lime, and the treated rinse water was discharged under NPDES permit. Sludge from the rinse water settling tank was disposed of in the Blue Sludge Lagoon located at the Inert Disposal Area (R14).

According to previous reports, explosives-contaminated wastewater from Line 3 was transferred to the Former Line 1 Impoundment prior to the installation of the carbon filter treatment systems.

The 2 melt buildings appear to be the areas of highest waste volume production. Wastewater from the melt buildings at Line 3 is treated by settling tanks, filtration, and carbon adsorption at Filter Houses 3-70-1 and 3-70-2. The treated effluent is discharged through ditches to Brush Creek from permitted NPDES outfalls (#032 and #033).

6.3.1.1.2 Topography and Surface Water

Line 3 is located in the dissected till plain section of the Central Lowland Province of the Southern Iowa Drift Plain Region. This area of southeast Iowa experienced continental glaciation. Areas of continental glaciation exhibit broad, flat to gentle undulating terrain. The terrain at the site is dissected by the shallow drainage system of Brush Creek, which originates approximately 4000 feet north of Line 3 and flows in a southerly direction approximately 1500 feet east of the eastern perimeter of the site. Brush Creek continues southerly, draining the central portion of IAAP, to its confluence with Skunk Creek approximately 5 miles south of Line 3.

Portions of Line 3 drain towards an intermittent Brush Creek tributary, which flows in a south/southeasterly direction near the western perimeter of the site. The stream originates near Line 6, flows through portions of Line 9 and Line 7, and continues southeasterly along the western side of Line 3 to its confluence with Brush Creek approximately 2,300 feet southeast of Line 3. Surface water runoff from Line 3 production areas and NPDES discharges drain into an intermittent tributary of Brush Creek which leaves the site at the eastern border and drains into Brush Creek 1500 feet from the eastern perimeter.

The location and topography of Line 3 is depicted on the USGS Burlington Quadrangle Map (Figure 6.3-2). Site features and surface drainage are shown on a reproduction of aerial photographic analysis conducted at Line 3 by EMSL for USEPA Region 7, February 1984 (Appendix D).

6.3.1.1.3 Site Specific Geology

The depth of the loess material at Line 3 is approximately 4 to 6 feet. Underlying the loess is glacial till, characterized as yellowish-brownish and gray mottled clayey silt, associated with the Glasford Formation. The Glasford Formation is represented in southeast Iowa by the Kellersville Till Member. The Kellersville Till is the oldest till of the Illinoian age and overlies the Yarmouth Paleosol. The Kellersville Till is at least 100 feet thick, based on well log data of Phase II RI monitoring wells and IAAP production well number 500-165-3 located 1,000 feet west of Line 3.

6.3.1.1.4 Hydrogeology

A vertical hydraulic conductivity of 2.8×10^{-9} cm/s in the till unit was determined by laboratory analysis of an undisturbed soil sample taken by a shelly tube from monitoring well JAW-77 at 20.0 to 22.0 feet bgs. The shelly tube analysis, grain size distribution, and permeability worksheets are contained in Appendix E.

Soil borings at Line 3 indicate that the percentage of sand increases above a more dense clay-rich perching unit creating a more permeable zone within the lesser permeable till. Due to the presence of sand seam and clay lenses in the glacial layers and dissection by surface drainageways, the localized groundwater flow direction in the unconsolidated material varies across the site often resulting in perched water conditions. At Line 3, shallow groundwater flow in the drift aquifer is generally convergent toward Brush Creek from the eastern terrace and uplands areas.

Six monitoring wells were completed in the drift aquifer ranging from 20.0 to 26.0 feet in depth. The wells were installed between 26 April and 29 April, 1993. One monitoring well is located upgradient of each melt building, and 2 monitoring wells are located downgradient of each melt building. Six piezometers were installed in drainage and swale areas downgradient of suspected contaminant sources. Groundwater and soil samples were obtained from all of the piezometers and monitoring wells.

The depth of the saturated water bearing sand seam ranges from 10 to 18.5 feet in depth with the deeper depths located in the downgradient monitoring wells. The sand zone slopes toward Brush Creek where groundwater is discharged into the creek

system. A fence diagram depicting the lithology of the site is presented as Figure 6.3-3. Geologic profiles are presented in Figure 6.3-4.

6.3.1.2 Previous Investigations

No investigations had been conducted at Line 3 prior to the initiation of the SI.

6.3.2 Site Characterization

A PA performed by JAYCOR in 1991 indicated that there was a potential for contamination at Line 3. A work plan was prepared in June 1991 that detailed an SI which provided for limited sampling to determine whether contamination was present in affected matrices identified in the PA. The SI was initiated in August 1991.

SI sampling of soils, sediments, and surface water concentrated on the buildings historically recognized for storing, generating, or treating process waste and associated drainage pathways. The samples were analyzed for metals, VOCs, SVOCs, and explosives.

One surface water/sediment sample set and 13 soil samples (6 surface soil samples) were collected during the SI at Line 3. Soil samples collected in the northern section of the site were found to contain metals. Explosives were reported in composite Sample 03-SS-11-01, collected from the eastern rail line off-loading area near Buildings 3-06-2 (Ammonium Nitrate Service Magazine) and 3-08-2 (TNT Service Magazine). Explosives were also detected in SI Sample 03-SA-09-01 which was collected from the wastewater sump near Melt Building 3-05-1. Pesticides and metals were reported in SI Sample 03-SS-10-01 south of the X-Ray Bay. Surface Water Sample, 03-SW-07-01, collected from a stream which receives outfall effluent from Melt Building 3-70-2, contained explosive contaminants (HMX, RDX, and tetryl) above SI evaluation criteria.

As a result of SI findings, further investigation was scheduled under the RI for Line 3. The focus of the RI sampling effort was to determine the extent of metals and explosives contamination identified in the SI.

A phased approach to the RI field effort was utilized to refine project objectives as more data about each site was acquired. The Phase I field effort focused on surface and shallow subsurface soil sampling. Phase I included the following tasks: soil gas investigation; piezometer installation; XRF screening for metals in soil; field sampling and on-site analysis of soil samples for explosives; and soil and surface water/sediment sampling. Phase I commenced 5 July 1992 and was completed 23 November 1992. An intermediate study consisting of groundwater sampling from piezometers installed during Phase I was conducted to optimize permanent monitoring well locations proposed for Phase II. The piezometer sampling was conducted 12 through 19 December 1992.

Concurrent with Phase I, an independent sump survey was performed by JAYCOR on three sumps within Line 3. The results are discussed in detail in the following sections along with RI data.

The Phase II field effort focused on at-depth soil sampling and monitoring well installation and sampling. Phase II commenced 12 April 1993, following a site reconnaissance with drilling subcontractors 5 through 8 April 1993.

In October 1994, JAYCOR performed an independent melt basement sampling of Building 3-05-2. One surface water and 4 sediment samples were collected. The results are discussed in coordination with the RI data in the following sections.

A Draft RI report was submitted to EPA, Region VII. After review of the report a Follow-on Sampling effort was recommended. The Follow-on Sampling at Line 3 consisted of further delineation of soil contamination around several previously unsampled sumps, determining if VOCs were present in the groundwater, collection of 2 additional surface water/sediment sets, and confirming soil gas results. Follow-on sampling commenced 3 April 1995.

The sampling and analysis for all phases, as well as the 2 independent surveys, were conducted in accordance with the protocols presented in Appendix G of the QAPP submitted as Volume 3 of the Phase I RI work plan. The Soil Gas Investigation Report is included as Appendix B of this report.

The following sections detail the results of the RI activities. All samples collected at this site in association with the JAYCOR study are summarized in Table 6.3-1, following Section 6.3.4. Refer to the Line 3 Soils Map (Figure 6.3-5), the Line 3 Screening Maps (Figures 6.3-6a through -6l), and the Line 3 Groundwater and Surface Water/Sediment Map (Figure 6.3-7) for all sample locations. Table 6.3-2 depicts all contaminants of concern above detection limits. All fixed laboratory results may be found in Appendix F; all screening results may be found in Appendix G.

6.3.2.1 Soils and Vadose Zone Sources and Contaminants of Concern

Twenty-two fixed laboratory soil samples were collected from the 0 to 0.5 foot bgs interval at Line 3 during Phase I and analyzed for VOCs, SVOCs, explosives, and metals by a fixed laboratory. The samples are labeled R03-SS-01 through -22.

Metals and explosives screening were conducted around the fixed laboratory sample locations and around several other buildings: 902 soil samples (672 for metals and 230 for explosives analysis) were collected within the Line 3 boundary. Twenty-five of the explosives screening samples and 61 of the metals screening samples were sent to a fixed laboratory for confirmatory, analytical analysis.

An independent study of 36 sumps was conducted by JAYCOR concurrently with the RI. Surface soil and at-depth soil samples were collected around 3 sumps at Building 3-05-1. The soils exhibiting the most significant contamination were those surrounding the sumps. Further sampling at-depth evidenced similar results as the field screening

program. Sample contaminant levels were significantly lower in the at-depth samples than in the corresponding surface samples. A report detailing all findings was submitted to USAEC under separate cover on 9 June 1993 and entitled "Contamination Assessment of Concrete Sumps at Iowa Army Ammunition Plant."

Below are the locations of the fixed laboratory and screening samples in association with the appropriate building. Refer to the R03 Soils Map and R03 Screening Maps for fixed laboratory, confirmatory, and screening sample locations.

Building 3-12

Samples R03-SS-01-01 and R03-SS-02-01 were collected around the assembly and shipping Building, 3-12. Twelve samples were collected and screened for explosives and 84 samples were collected for metals from soils west and east of Building 3-12 (nodes 500, 600, and 700). See Figure 6.3-6a.

Building 3-17

Sample R03-SS-03-01, was collected east of Building 3-17 (fuse service magazine). Two samples were collected and screened for explosives and 19 samples were collected and screened for metals west of Building 3-17 (node 4300). See Figure 6.3-6b. Sampling focused on the loading areas, doorways, and railroad tracks.

Building 3-16-1

Sample R03-SS-04-01 was collected approximately 50 feet northwest of the booster service magazine, 3-16-1. Two samples were collected and screened for explosives and 18 samples were collected and screened for metals in soils north and west of the building (node 4200). See Figure 6.3-6b.

Building 3-10

Sample R03-SS-05-01 was collected north of Building 3-10 X-Ray Bay. Samples R03-SS-06-01 and R03-SS-07-01 were collected around drilling and boosting Building 3-10. Sixteen samples were collected and screened for explosives and 75 samples were collected and screened for metals around Building 3-10 (nodes 800, 900, 1000, 1100, and 3800). See Figure 6.3-6c.

Building 3-05-1

This building consists of 3 floors with a combined area of 19,960 square feet. Access to the basement is through an outside-entrance crawlspace measuring about 2 feet square. The construction of the basement is concrete footer over dirt floors. A wooden catwalk is suspended approximately 8-10 feet above the floor. According to Mr. Hicks, the asbestos insulation overwrapping steamlines is deteriorating and friable asbestos is exposed. This melt/pour building is active.

Samples R03-SS-08-01 and R03-SS-09-01 were collected around Building 3-05-1. Sample R03-SS-08-01 was collected approximately 45 feet southeast of Building 3-05-1. Sixty-eight samples were collected for explosives screening analysis and 92 samples were collected for metals screening analysis around Building 3-05-1 (nodes 1200, 1300, 3200, 3300, 3400, 3500, 3600, and 3700). See Figure 6.3-6d.

The 3 sumps that are located at Building 3-05-1 were sampled during the independent sump survey. Building 3-140-6 was identified as sump 19, the sump located approximately 50 feet north of Building 3-05-1 was identified as sump 17, and the sump located adjacent and north of Building 3-05-1 was identified as sump 18. Two surface and 2 collocated at depth (2.6 feet bgs) samples were collected at the northeast and southwest corners of sump 17. Two surface and 2 collocated at depth (2.8 feet bgs) samples were collected beneath the outfall pipe and on the west side of sump 18. Two surface and 2 collocated at depth (3.1 feet bgs) samples were collected on the east and west sides of sump 19. One surface and 1 collocated at depth (1.0 foot bgs) sample were also obtained from the depressional area east of the sump.

Building 3-05-2

This Building consists of 3 floors with a combined area of 27,012 square feet. Access to the basement is through an outside-entrance crawlspace measuring about 2 feet square. The construction of the basement is concrete footer over dirt floors. A wooden catwalk is suspended approximately 8-10 feet above the floor. According to Mr. Hicks (IAAP Health and Safety), the asbestos insulation overwrapping steamlines is deteriorating and friable asbestos is exposed. This melt/pour was inactive for some time, but was brought on line in December 1992 and is now active.

Samples R03-SS-10-01 and R03-SS-11-01 were collected around Building 3-05-2. Sixty-eight samples were collected and screened for explosives and 128 samples were collected and screened for metals around this building (nodes 200, 1400, 1500, 2700, 2800, 2900, 3000, and 3100). See Figure 6.3-6i.

An independent melt basement sampling event was conducted by JAYCOR for Mason and Hanger during the fall of 1994. Five sediment samples and 1 surface water sample were collected from the basement of Building 3-05-2. All samples, with the exception of the surface water sample, were split by an EPA Region VII representative. All samples were analyzed for VOCs, SVOCs, metals, and explosives.

During the Follow-on sampling, 3 surface and 3 collocated 3.0 feet bgs samples (R03-SS-607 through R03-SS-609) were collected west, north and east of Building 3-140-5, which is located north of Building 3-05-2.

Building 3-16-2

Sample R03-SS-12-01 was collected northeast of booster service magazine, 3-16-2. Seven samples were collected for explosives screening analysis and 21 samples were collected for metals screening analysis around Building 3-16-2 (node 1700). See Figure 6.3-6k.

Building 3-04

Sample R03-SS-14-01 was collected west of Receiving and Painting Building 3-04. Sample R03-SS-13-01 was collected east of Solvent Storage Building 3-03 and south of Building 3-04. Four samples were collected and screened for explosives and 26 samples were screened for metals in soils west of Building 3-04 (node 1800). See Figure 6.3-6k.

Building 3-01

Ten samples were collected and screened for explosives and 73 samples were collected and screened for metals around Building 3-01 and its associated drainage areas (nodes 300, 1900, 2000, and 2100). See Figure 6.3-6l.

Building 3-06-2

Samples R03-SS-15-01 and R03-SS-16-01 were collected around ammonium nitrate service magazine 3-06-2. Fourteen samples were collected for explosives screening analysis and 34 samples were collected for metals screening analysis around Building 3-06-2 (node 400). See Figure 6.3-6j.

Building 3-08-2

Samples R03-SS-17-01 and R03-SS-18-01 were collected around TNT service magazine 3-08-2. Four samples were collected and screened for explosives and 19 samples were screened for metals in soils east of Building 3-08-2 (node 2200). See Figure 6.3-6h.

Building 3-50 and Associated Buildings 3-140-2 and 3-140-3

Sample R03-SS-19-01 was collected southeast of TNT Screening Building, 3-50. Four samples were collected and screened for explosives and 26 samples were collected and screened for metals around the building (nodes 3900, 4000, and 4100). See Figure 6.3-6g.

During the Follow-on sampling, 6 soil samples (R03-SS-601 through R03-SS-603), 3 surface and 3 collocated at-depth, were collected around Building 3-140-2.

During the Follow-on sampling, 6 soil samples (3 surface and 3 collocated at-depth) were to be collected around Building 3-140-3. However, this sump had been removed during the COE Sump Removal and these samples were not collected.

Building 3-08-1

Sample R03-SS-20-01 was collected southwest of TNT service magazine, 3-08-1. Four samples were collected for explosives screening analysis and 28 samples were collected for metals screening analysis around this building (node 2400). See Figure 6.3-6f for screening sample locations.

Building 3-06-1

Samples R03-SS-21-01 and R03-SS-22-01 were collected around ammonium nitrate service magazine, 3-06-1. Sample R03-SS-21-01 was collected around the southwest corner of the building. Sample R03-SS-22-01 was collected 50 feet southeast of the building. See Figure 6.3-5. Fifteen samples were collected and screened for explosives and 18 samples were screened for metals in soils around Building 3-06-1 (node 2600). See Figure 6.3-6e.

At-Depth Soil Sampling

Soil samples were collected at 3 to 3.5 feet bgs during piezometer emplacement. Continuous undisturbed soil samples were collected from the soil borings during monitoring well installation. The soil samples were logged lithologically and a

representative portion was placed in a resealable bag. Six soils samples were submitted for analysis ranging in depth from 11.3 to 18 feet bgs.

Soil Gas Survey

Soil gas screening of the vadose zone was conducted around the Line 3 storage Building 3-03. The soil gas survey examined 21 sampling locations at depths ranging from 5 to 15 feet. Seven of the 21 sample locations were reported to have detectable levels of Total VOCs. The concentration ranged from below detection limit to 1,462 $\mu\text{g/L}$ at 1 sample location.

During the Follow-on sampling, 2 samples were collected and analyzed for VOCs to confirm earlier soil gas results. Sample R03-SA-610 was collected at 5.0 feet bgs at former soil gas survey point R03-1 (between Building 3-03 and the railroad tracks), where 1462 ppb TVOCs were reported. Sample R03-SA-611 was collected at 5.0 feet bgs at former soil gas survey point R03-13 where not TVOCs were reported.

6.3.2.2 Surface Water/Sediment Sources and Contaminants of Concern

Four surface water/sediment samples were collected during Phase I in association with Line 3 and analyzed for VOCs, SVOCs, explosives, and metals parameters.

Phase I surface water/sediment samples were collected from drainage channels originating from an NPDES outfall at Building 3-05-2. Samples R03-SW/SD-35 were collected closest to the outfall and Samples R03-SW/SD-36, R03-SW/SD-37, and R03-SW/SD-46 were collected downstream.

Five basewide surface water and 6 sediment samples were obtained from 2 unnamed intermittent streams which drain portions of Line 3. The basewide samples were analyzed for metals, explosives, VOCs, and SVOCs; their locations are discussed below.

Sample RBW-SD-52 (no surface water available) was collected from the Brush Creek intermittent tributary east of Line 9 and approximately 1,500 feet west of Line 3. This sample indicates upstream sediment conditions for the tributary, prior to draining the southern portion of Line 3. Samples RBW-SW/SD-42 were collected from the Brush Creek tributary near the southern corner of Line 3. Samples RBW-SW/SD-39-01 were collected from a drainageway directly south of the site which empties into the intermittent stream. Samples RBW-SW/SD-35-01 were collected from the intermittent stream 500 feet before its confluence with Brush Creek, 10 feet south of the Plant Road M bridge and 2,500 feet southeast of Line 3.

Samples RBW-SW/SD-41-01 were collected in a drainage channel, downgradient of NPDES outfall #033.

Samples RBW-SW/SD-38-01 were collected from a drainage channel, downgradient of NPDES outfall #032.

Four additional surface water/sediment sets were collected during Phase II (R03-SW/SD-506, R03-SW/SD-507, R03-SW/SD-508, R03-SW/SD-509). The samples were obtained from drainageways south and west of Line 3.

During the Follow-on sampling, 2 additional surface water/sediment sets (R03-SW/SD-601 and R03-SW/SD-602) were collected in drainage patterns east of the line where the drainage exits the line. All 4 samples were analyzed for metals and explosives. Samples R03-SW/SD-601 were collected along the east fenceline of Line 3, where the flow that originates south of 3-08-1 exits the line. Samples R03-SW/SD-602 were collected along the east fenceline of Line 3 where the flow that originates north of Building 3-08-1 exits the line.

IAAP is permitted by the State of Iowa (permit #29-00-9-00) to discharge a monthly average of 500 µg/L of TNT with a daily maximum of 1,000 µg/L, and a monthly average of 2,000 µg/L of RDX+HMX with a daily maximum of 5,000 µg/L.

The drainage channels from which Line 3 surface water and sediment samples and basewide Samples RBW-SW/SD-38-01 and RBW-SW/SD-41-01 were collected converge within Line 3 and drain off-site at the eastern border of the site as an unnamed intermittent tributary. This tributary meets with Brush Creek approximately 1500 feet east of Line 3.

6.3.2.3.3 Groundwater Sources and Contaminants of Concern

During Phase I, a soil gas investigation was conducted and 6 piezometers were installed and sampled to optimize permanent monitoring well locations. Results from the soil gas investigation are included as Appendix B. The 6 groundwater samples collected from the piezometers were analyzed for explosives.

Six monitoring wells were installed during Phase II to further characterize subsurface conditions upgradient and downgradient of the melt buildings at Line 3. Two wells were located upgradient (JAW-57 and JAW-77) and 4 wells (JAW-54, JAW-55, JAW-56, and JAW-53) were located downgradient of the buildings. All wells were installed at a depth of 20 to 25 feet bgs. The monitoring wells were sampled, and groundwater was analyzed for metals and explosives.

During the Follow-on sampling, wells JAW-53, JAW-55, and JAW-56 were sampled for VOCs to determine if VOCs were a concern in the groundwater, per EPA Region VII request.

6.3.3. Nature and Extent of Contamination

Below is a discussion of the nature and extent of analytes found at Line 3 during the SI and RI. Figures 6.3-8, 6.3-9a through -9i, 6.3-10, and 6.3-11 depict contaminants of concern and their appropriate contamination ranges for the fixed laboratory soil

samples, screening samples, surface water and sediment sample, and groundwater samples at Line 3.

6.3.3.1 Explosives

One hundred and eleven soil samples were analyzed by the fixed laboratory for explosives from Line 3. 2,4,6-TNT was detected in 54 samples at levels up to 100,000 $\mu\text{g/g}$; RDX was detected in 45 samples at levels up to 2400 $\mu\text{g/g}$; HMX was detected in 33 samples at levels up to 610 $\mu\text{g/g}$; 1,3,5-TNB was detected in 27 samples at levels up to 23,000 $\mu\text{g/g}$; 2,4-DNT was detected in 12 samples at levels up to 210 $\mu\text{g/g}$; 1,3-DNB was detected in 5 samples at levels up to 25 $\mu\text{g/g}$; nitrobenzene was detected in 2 samples at levels up to 120 $\mu\text{g/g}$; and 2,6-DNT was detected in 1 sample at 26 $\mu\text{g/g}$.

A total of 25 aqueous samples was collected from Line 3 and analyzed for explosives. RDX was detected in 9 samples at levels up to 5400 $\mu\text{g/L}$; HMX was detected in 7 samples at levels up to 740 $\mu\text{g/L}$; 1,3,5-TNB, 2,4,6-TNT, and 2,4-DNT were each detected in 2 samples at levels up to 880, 8000, and 81 $\mu\text{g/L}$, respectively; and nitrobenzene and tetryl were each detected in 1 sample at 20.6 and 25 $\mu\text{g/L}$, respectively.

6.3.3.1.1 Soils

The highest levels of explosives are located at both melt buildings (3-05-1 and -2). See Figure 6.3.8 for fixed laboratory explosives contamination; see Figures 6.3-9a through -9l for screening contamination. Elevated explosive results are also associated with Buildings 3-10 (drilling and boosting) and 3-06-1 and 3-06-2 (TNT service magazines) to a lesser degree. 2,4,6-TNT is the explosive in the greatest quantity, RDX is present in a lesser amount, and HMX and tetryl exist in minor quantities probably as impurities of the RDX used at the line.

Building 3-05-2

Building 3-05-2 had the largest number of samples resulting in the highest levels of explosives. There were 22 sample locations collected during the various phases of the investigation in the vicinity of Building 3-05-2 and its associated bag house and analyzed by the fixed laboratory. Of the 22 sample locations, explosives were detected in 13. Seven locations contained explosive results above 1000 $\mu\text{g/g}$. One location reported results between 100 and 500 $\mu\text{g/g}$, 2 locations reported results between 10 and 100 $\mu\text{g/g}$, and 3 locations resulted in explosive results less than 10 $\mu\text{g/g}$. All 13 sample locations are located on the east side of the building near sumps and doorways. Explosives were detected in 31 screening sample locations (out of 68 total) from 16 locations (nodes 200, 1400, 1500, 2700, 2800, 2900, 3000, and 3100). See Figure 6.3-9i. These samples are clustered northeast of Building 3-40-1, west of Building 3-140-4, and south of Building 3-70-2. Six of these sample locations did not contain explosives in collocated samples collected at-depth.

Building 3-05-1

Building 3-05-1 had 15 sample locations collected during the different phases of the RI at Line 3 and analyzed by the fixed laboratory for explosives. Of the 15 sample locations, 11 contained explosives. Two sample locations resulted in explosive levels above 1000 $\mu\text{g/g}$, 1 sample location resulted in explosive levels between 500 and 1000

$\mu\text{g/g}$, and 2 sample locations reported explosives results between 100 and 500 $\mu\text{g/g}$. Four sample locations reported explosive results between 10 and 100 $\mu\text{g/g}$ and 2 sample locations reported explosive results below 10 $\mu\text{g/g}$. Ten of the 11 sample locations were on the east side of the building around sumps and doorways. The remaining sample location was on the west side of the building between the train track and the building. Twenty-five screening samples from 13 locations contained explosives results above detection limits (nodes 1200, 1300, 3200, 3300, 3400, 3500, 3600, and 3700). These samples are clustered east of Carbon Filter Building 3-70-1, southeast of Building 3-140-6, south of Building 3-05-1, and southeast of Building 3-99-3. Seven of the 13 locations had collocated at-depth samples that did not contain explosives. Perimeter samples did not contain explosives. See Figure 6.3-6d for screening sample locations and Figure 6.3-9d for screening contaminant locations.

Building 3-10

Six samples locations were collected around Building 3-10 and analyzed for explosives by the fixed laboratory. Four locations reported levels of explosives above detection limits. One location sample contained explosives between 100 and 500 $\mu\text{g/g}$, 1 sample location contained explosives levels between 10 - 100 $\mu\text{g/g}$, and 2 sample locations contained explosives levels less than 10 $\mu\text{g/g}$. Four (3 surface and 1 at-depth) of the 16 samples collected for explosives screening analysis (nodes 800, 900, 1000, 1100, 3800) contained explosives: R03-901E-01, R03-1001E-01, R03-1002E-01, and R03-1002E-02. No collocated 1.0 feet bgs sample was collected below R03-901E-01. The collocated samples collected at 1.0 foot bgs and 2.0 feet bgs at sample locations R03-1001E and R03-1002E, respectively, did not contain explosives. See Figure 6.3-6c for screening sample locations and Figure 6.3-9c for contaminant locations.

Buildings 3-06-1 and 3-06-2

Three fixed laboratory samples were collected around each 3-06 building. One sample at each building resulted in explosives results above 1000 $\mu\text{g/g}$. Each sample was located on the east side of the buildings between the train track and loading dock. Five screening samples in 2 locations (R03-401E and R03-405E) contained explosives concentrations at Building 3-06-2. See Figure 6.3-9j. Both R03-401E and R03-405E are located between the loading dock and the railroad tracks. At Building 3-06-1, 1 sample location, R03-2601E collected at the loading dock (see Figure 6.3-6e), contained explosives to a depth of 2.0 feet bgs. No collocated 3.0 feet bgs sample was collected. Perimeter samples did not contain explosives. See Figure 6.3-9e for screening sample contaminant locations.

Building 3-12

At Building 3-12, explosives were not detected in either of the 2 samples analyzed for explosives at the fixed laboratory. Only 1 of 12 screening samples, R03-601E-02 collected at a depth of 1.0 foot bgs southeast of the building, reported a detectable level of explosives. There was no collocated 2.0 feet bgs sample collected. This sample location is at the southwest corner of the building at a loading dock. See Figure 6.3-6a for screening locations and Figure 6.3-9a for contaminant locations.

Building 3-17

At Building 3-17, neither the 1 sample collected for explosives analysis by the fixed laboratory, nor either of the 2 screening samples collected for explosives screening analysis, contained explosives above detection limits. All of these samples were collected east of the building around the loading docks and railroad tracks.

Building 3-16-1

Neither the 2 samples collected for explosives analysis by the fixed laboratory nor the 1 sample collected at Building 3-16-1 for explosives screening analysis contained explosives. All of these samples were collected east and north of the building around the loading dock, railroad tracks and doorways.

Building 3-16-2

At Building 3-16-2, 1 of the 2 samples collected for explosives analysis by the fixed laboratory reported explosives above detection limits. This sample was a confirmation sample for the screening sample discussed below. Explosives were detected at 1 screening sample location, R03-1701E, (out of 5 locations) in both the sample collected at 0.5 feet bgs and the sample collected at 1.0 feet bgs. See Figure 6.3-9k. R03-1701E is located adjacent to the southwest corner of the loading dock. There was no collocated 2.0 feet bgs sample. Samples collocated north, south and west of R03-1701E did not contain explosives.

Building 3-04

Explosives were not detected in any of the 4 samples collected for explosives screening analysis at Building 3-04, nor were explosives reported in the sample collected for explosives analysis by the fixed laboratory. All of these samples were collected around the loading docks and railroad tracks west of the building.

Building 3-01

Explosives were not detected in the sample sent to the fixed laboratory for explosives analysis from soil around Building 3-01. No explosives were detected in any of the 10 screening samples collected for explosives screening analysis at Building 3-01. All of these samples were collected around doorways, railroad tracks, and loading docks and their associated drainageways all around the building.

Building 3-08-2

Three samples were collected around Building 3-08-2 and sent to the fixed laboratory for explosives analysis. None of these samples reported explosives above detection limits. Explosives were detected at a depth of 1.0 feet bgs in 1 screening sample (R03-2201E-02) at Building 3-08-02. See Figure 6.3-9h for contaminant location. This sample was collected between the loading dock and railroad tracks. There was no collocated at-depth sample; however samples collected north, east, and south of this location did not contain explosives.

Building 3-08-1

Three samples were collected around Building 3-08-1 and sent to the fixed laboratory for explosives analysis. One of these samples reported explosives above detection limits. This sample was the confirmatory sample of Screening Sample R03-2401E-02.

This sample contained a high level of 2,4,6-TNT and was collected between the loading dock and the railroad tracks. See Figure 6.3-6f. Samples collected north, south, and east of R03-240E-02 did not contain explosives. See Figure 6.3-9f for screening sample contaminant locations.

Building 3-50

Four of 5 fixed laboratory sample locations collected around Building 3-50 (and its associated sumps) reported explosives results greater than detection limits. 2,4,6-TNT was the explosive reported at the highest value at all 4 locations. Two of the locations reported 2,4,6-TNT in the range of 10 to 100 $\mu\text{g/g}$. The other 2 locations reported 2,4,6-TNT less than 10 $\mu\text{g/g}$. One of the locations did not have a collected at-depth sample; 1 location did not report explosives in the collocated, 3.0 feet bgs sample; and the other 2 locations reported lower levels of explosives in the 3.0 feet bgs samples. Two of 43 screening samples (node 3900, 4000, 4100) collected around these Buildings contained detectable levels of explosives. See Figure 6.3-9g. 2,4,6-TNT and 1,3,5-TNB were the explosives reported with the highest values. Neither of these samples had collocated samples collected at-depth that did not report explosives. All of the screening and fixed laboratory samples were collected next to the sumps and doorways and their associated drainageways.

Summary

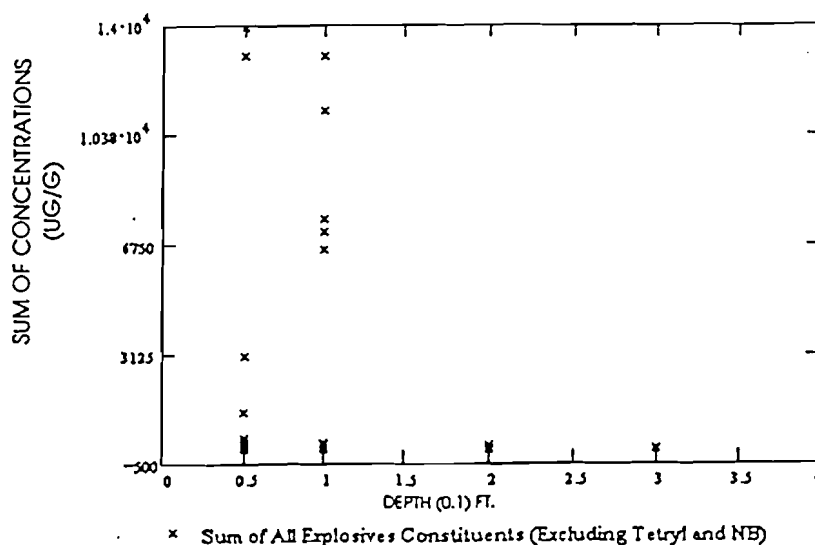
Field screening results indicated that 38 of 135 surface soil samples contained explosives. Further sampling at depth indicated explosives are confined within surficial soils and do not extend beyond approximately 10-20 feet from the most impacted soils. Soils exhibiting the highest concentrations of explosives are located at wastewater sumps, foundations of buildings where wastewater is generated (i.e., the melt buildings), and loading docks.

Continuous, undisturbed soil samples were collected during monitoring well installation. The soil samples were logged lithologically and a representative portion was placed in a resealable bag. Six soils samples were submitted for analysis to the fixed laboratory ranging in depth from 11.3 to 18 feet bgs. The sample from well JAW-54, collected at 15 feet bgs, contained RDX at 2.86 $\mu\text{g/g}$. Explosives were not detected at any of the other locations.

The following graph demonstrates the trend that total explosives levels in soil samples decrease with depth.

The concentrations decreased with depth and distance from the most impacted soils. The presence of clay-rich till under silty loess confined contamination to the uppermost 3 feet of soil and within an areal extent of approximately 10-20 feet from these most impacted soils.

RBW Soil Explosives Screening Depth Group



The presence of surface features such as swales and ditches tends to channelize concentrations in near-surface soils. Near-surface storm water flow transports contaminants downgradient to local ponded areas. Soil samples collected during the RI delineate impacted soils and the extent of local migration in the surficial soils.

6.3.3.1.2 Surface Water and Sediment

Figure 6.3-10 depicts surface water/sediment contamination at Line 3. Samples RBW-SW/SD-41-01 were collected in a drainage channel, downgradient of NPDES outfall #033. The surface water sample contained explosives (1,3,5-TNB at 8.42 $\mu\text{g/L}$).

Samples RBW-SW/SD-38-01 were collected from a drainage channel, downgradient of NPDES outfall #032. The surface water and sediment samples both contained explosives at 36.7 $\mu\text{g/L}$ (2,4,6-TNT) and 2.9 $\mu\text{g/g}$ (1,3,5-TNB), respectively.

Samples R03-SW/SD-601 were collected along the east fenceline of Line 3, where the flow that originates south of Building 3-08-1 exits the line. Only the surface water sample contained explosives (RDX at 3.56 $\mu\text{g/L}$).

The southern portion of Line 3 drains to an un-named tributary of Brush Creek. Sampling from preferential drainage channels from Line 3 toward the creek has not revealed explosives in these drainage channels. Based on review of the results, it is not likely that Line 3 contributes explosive contamination to the tributary.

Concentrations of explosives have been identified in surface waters of the drainage channel immediately downgradient of NPDES discharges at Line 3. The intermittent nature of the drainage contributes to increased localized concentrations immediately downgradient of the discharge. Surface water fixed laboratory results are within the permitted NPDES limitations.

6.3.3.1.3 Groundwater

Figure 6.3-11 depicts locations and types of groundwater contamination at Line 3. The groundwater sample collected from R03-PZ-28 contained 2,4-DNT (1.73 $\mu\text{g/L}$) and RDX (2,360 $\mu\text{g/L}$). The location of the piezometer was in a swale, downgradient of the NPDES discharge and sumps around Building 3-05-1. Groundwater from R03-PZ-27, located 100 feet downgradient and east of R03-PZ-28, contained no explosives.

Monitoring well JAW-54 contained 2,110 $\mu\text{g/L}$ of RDX and 2.06 $\mu\text{g/L}$ of nitrobenzene. Well JAW-55 contained 6.89 $\mu\text{g/L}$ of RDX. None of the other 4 monitoring wells contained explosives in the groundwater.

Concentrations of explosive related compounds have been identified in shallow groundwater in a swale area immediately downgradient of permitted effluent discharge and former wastewater treatment sumps near Building 3-05-1. The explosive compounds observed in the shallow groundwater and in surface water in nearby drainage ditches are localized near the discharges. Fixed laboratory results of soils and groundwater samples at locations further downgradient do not indicate explosive concentrations. NPDES outfalls #032 and #033 are each allowed 1,000 $\mu\text{g/L}$ TNT and 5,000 $\mu\text{g/L}$ RDX + HMX maximum 24-hour discharge. Intermittent or stagnant drainage from the discharges could result in the infiltration of the concentrations into the shallow groundwater. Although the groundwater tends to flow towards Brush Creek, the extent of groundwater contamination is limited to the area between Buildings 3-05-1, 3-05-2, and 3-50.

Significant explosive contamination (i.e., above health risk levels) does not generally exist below three feet in soils at this line. However, the explosives RDX, HMX, and nitrobenzene were reported in the groundwater at Line 3. RDX is a very mobile explosive contaminant and will most likely be found throughout the soil column. As learned from the Pinkwater Lagoon removal, 1 ppm of RDX in soil can contaminate groundwater above 2 ppb. Nitrobenzene is an impurity of the other forms of explosives used during manufacturing. HMX, although it appears in the groundwater, has a very high risk level in both groundwater and soils.

6.3.3.2 Metals

One hundred forty-five soil samples were analyzed by the fixed laboratory for metals from Line 3. Lead and barium were detected in all of the samples at levels up to 5790 and 1280 $\mu\text{g/g}$, respectively. Arsenic and chromium were detected in 143 samples at levels up to 79 and 1460 $\mu\text{g/g}$, respectively; cadmium was detected in 44 samples at levels up to 31.6 $\mu\text{g/g}$; mercury was detected in 43 samples at levels up to 10 $\mu\text{g/g}$; selenium was detected in 32 samples at levels up to 2.98 $\mu\text{g/g}$; and silver was detected in 5 samples at levels up to 260 $\mu\text{g/g}$.

A total of 13 aqueous samples was collected at Line 3 and analyzed for metals. Lead was detected in all 13 samples at levels up to 55.5 $\mu\text{g/L}$; barium was detected in 11 samples at levels up to 148 $\mu\text{g/L}$; and arsenic, chromium and mercury were each detected in 1 sample at 4.19, 16.8, and 0.791 $\mu\text{g/L}$, respectively.

6.3.3.2.1 Soils

Elevated metals levels are more widespread throughout the building areas at Line 3 than explosives levels. The occurrence of metals is not concentrated at a particular building. The metal that represents a majority of the contamination is lead. Chromium is found to a lesser degree at the north end of the load line near Building 3-01, (load line storage). See Figure 6.3.8 for locations of fixed laboratory metals levels above 100 $\mu\text{g/g}$; see Figures 6.3-9a through -9l for locations of screening metals levels above 100 $\mu\text{g/g}$.

Building 3-04

Samples collected in the vicinity of Building 3-04 had the largest frequency of lead occurrence. Six of 7 fixed laboratory sample locations resulted in metals levels above 100 $\mu\text{g/g}$. One of the six locations resulted in lead levels above 1000 $\mu\text{g/g}$. This sample is located at the south end of Building 3-04. One of the 5 remaining samples had a lead concentration between 500 and 1000 $\mu\text{g/g}$, at the northeast corner of the building. The 4 remaining samples had metals levels ranging in concentration from 100 to 500 $\mu\text{g/g}$ and were located at the northwest corner of the building near the train tracks. Twenty-six samples from 10 locations were screened for metals around this building (node 1800). See Figure 6.3-6k. Metals were detected above 100 $\mu\text{g/g}$ at 8 locations. See Figure 6.3-9k. Five of these locations had collocated at-depth samples which did not contain metals above 100 $\mu\text{g/g}$.

Buildings 3-06-1 and 3-06-2

Five of 8 fixed laboratory samples collected around the 3-06 buildings contained lead above detection limits. Four of the samples contained lead levels between 100 and 500 $\mu\text{g/g}$. The remaining sample contained a lead level between 500 and 1000 $\mu\text{g/g}$. Eighteen samples from 8 locations (node 2600) were collected and screened for metals around Building 3-06-1 between the loading dock, doorways and railroad tracks. See Figure 6.3-6e. Metals were detected above 100 $\mu\text{g/g}$ in 5 locations. See Figure 6.3-9e. Three of these locations had collocated samples collected at depth that did not report metals levels above 100 $\mu\text{g/g}$. Thirty-four samples from 16 locations were collected and screened for metals around Building 3-06-2 between the loading dock, doorways and railroad tracks and their associated drainageways (node 400). See Figure 6.3-6j. Metals were detected above 100 $\mu\text{g/g}$ at 5 of these locations. See Figure 6.3-9j. Four locations had collocated samples collected at depth that did not report metals levels above 100 $\mu\text{g/g}$. Lead was the metal of concern reported at the highest value at all screening locations collected around the 3-06 buildings.

Building 3-05-2

The melt buildings had metals levels above 100 $\mu\text{g/g}$ in different areas around each building with no pattern or isolated location apparent. Building 3-05-2 had 6 of 15 fixed laboratory samples containing lead levels ranging from 100 to 500 $\mu\text{g/g}$. A total of 128 samples from 65 locations was collected and screened for metals around the sumps, doorways, loading docks and associated drainageways around this building (nodes 200, 1400, 1500, 2700, 2800, 2900, 3000, and 3100). See Figure 6.3-6i. Metals concentrations above 100 $\mu\text{g/g}$ were detected in 32 locations. See Figure 6.3-9i. Twenty of these locations had collocated at-depth samples which did not contain metals concentrations above 100 $\mu\text{g/g}$.

Building 3-05-1

Building 3-05-01 had 3 of 16 fixed laboratory samples that reported levels of metals above 100 $\mu\text{g/g}$. Lead was the metal with the highest value at all 3 locations. Two of the 3 samples contained lead ranging from 100 to 500 $\mu\text{g/g}$, while the third sample location resulted in a lead level above 1000 $\mu\text{g/g}$. A total of 103 samples from 56 locations was collected and screened for metals around the sumps, doorways, loading docks, and drainageways of this building (nodes 1200, 1300, 3200, 3300, 3400, 3500, 3600, and 3700). See Figure 6.3-6d. Metals concentrations above 100 $\mu\text{g/g}$ were found in 19 locations. See Figure 6.3-9d. Fourteen of these locations had collocated at-depth samples that did not contain metals concentrations above 100 $\mu\text{g/g}$.

Buildings 3-10, 3-16-1, and 3-17

There was a pattern to the metals contamination at Buildings 3-10, 3-16-1, and 3-17, all at the south end of the load line. Although frequency of detection was sporadic, all sample locations containing metals above 100 $\mu\text{g/g}$ at these 3 buildings were on the east side of the buildings, between the respective building loading dock and the train track. Building 3-10 had 3 of 9 fixed laboratory locations result in lead levels above 100 $\mu\text{g/g}$. The 3 sample locations had lead concentrations ranging from 100 to 500 $\mu\text{g/g}$. Sixty-one samples from 29 locations were collected around this building at doorways and the loading docks (nodes 800, 900, 1000, 1100, and 3800). See Figure 6.3-6c. Metals concentrations above 100 $\mu\text{g/g}$ were reported at 16 locations. See Figure 6.3-9c. Eight of these locations had collocated at-depth samples which did not contain metals.

Building 3-16-1 had 2 of 4 fixed laboratory samples containing lead above 100 $\mu\text{g/g}$, with concentrations between 100 and 500 $\mu\text{g/g}$. A total of 18 samples from 10 locations was collected and screened for metals west and north of this building (node 4200). See Figure 6.3-6b. Three of these locations reported metals levels above 100 $\mu\text{g/g}$. See Figure 6.3-9b. All 3 locations had collocated samples collected at depth that did not report levels of metals greater than 100 $\mu\text{g/g}$.

One of 5 fixed laboratory locations collected at Building 3-17 reported metals levels greater than 100 $\mu\text{g/g}$. This sample's highest metal level was also in the 100 to 500 $\mu\text{g/g}$ range. Nineteen samples from 10 locations were collected and screened for metals west of this building (node 4300). See Figure 6.3-6b. Six of these locations reported metals levels above 100 $\mu\text{g/g}$. See Figure 6.3-9b. Four of these locations had collocated at-depth samples that did not report metals levels above 100 $\mu\text{g/g}$.

Building 3-12

Building 3-12 had 4 of 11 fixed laboratory samples result in lead levels greater than 100 $\mu\text{g/g}$. Two samples were collected between the northern loading dock and railroad tracks. The other 2 samples were collected east of the building. Three of the 4 sample locations had lead levels between 100 and 500 $\mu\text{g/g}$. The remaining sample location had a lead concentration between 500 and 1000 $\mu\text{g/g}$. Eighty-four metals screening samples were collected from 37 locations east and west of the building (nodes 500, 600, and 700). See Figure 6.3-6a. Nineteen locations contained metals concentrations above 100 $\mu\text{g/g}$; 11 of these locations had collocated at-depth samples which did not contain metals levels above 100 $\mu\text{g/g}$. See Figure 6.3-9a.

Buildings 3-50, 3-08-1, 3-08-2, and 3-03

Buildings 3-50, 3-08-1, 3-08-2, and 3-03 had samples reporting lead levels above 100 $\mu\text{g/g}$ at the loading dock areas. All sample locations that resulted in elevated lead levels had concentrations between 100 and 1000 $\mu\text{g/g}$. Building 3-50 had 2 of 7 fixed laboratory locations result in metals levels between 100 and 500 $\mu\text{g/g}$. One of the 26 samples collected and screened for metals around this building (nodes 3900, 4000, and 4100) reported levels of metals above 100 $\mu\text{g/g}$. See Figure 6.3-9g. This sample was collected northeast of Building 3-140-2 and reported lead above 1000 $\mu\text{g/g}$.

Building 3-03 had a fixed laboratory sample reporting lead above 100 $\mu\text{g/g}$ at the loading dock on the west side between the building and the train tracks. The sample concentration was between 500 and 1000 $\mu\text{g/g}$.

At Building 3-08-1, 1 of 3 samples sent to the fixed laboratory for metals analysis reported metals levels in the range of 500 to 1000 $\mu\text{g/g}$. This sample was a confirmatory sample for Screening Sample R03-2401M-02. Twenty-eight samples from 14 locations were collected and screened for metals east and south of the building (node 2400). See Figure 6.3-6f. Metals concentrations greater than 100 $\mu\text{g/g}$ were reported at 5 locations. See Figure 6.3-9f. Three of these locations had collocated samples collected at-depth that did not report metals levels greater than 100 $\mu\text{g/g}$.

At Building 3-08-2, none of the samples analyzed for metals by the fixed laboratory reported metals levels greater than 100 $\mu\text{g/g}$. Nineteen samples from 13 locations were collected and screened for metals east, north, and south of the building (node 2200). See Figure 6.3-6h. Metals concentrations greater than 100 $\mu\text{g/g}$ were reported at 3 locations. See Figure 6.3-9h. None of these locations had collocated samples collected at-depth that did not report metals levels greater than 100 $\mu\text{g/g}$.

Building 3-16-2

Samples were collected and analyzed for metals by the fixed laboratory from 2 locations east and west of Building 3-16-2. Metals concentrations above 100 $\mu\text{g/g}$ were reported at 1 location (lead greater than 1000 $\mu\text{g/g}$) east of the building. Twenty-one samples from 12 locations were collected and screened for metals south, west, and north of the building (node 1700). See Figure 6.3-6k. Metals concentrations greater than 100 $\mu\text{g/g}$ were reported at 4 locations. See Figure 6.3-9k. All 4 of these locations had collocated samples collected at-depth that did not report metals levels greater than 100 $\mu\text{g/g}$.

Building 3-01

Samples were collected from 9 locations around Building 3-01 and its associated drainageways and sent to the fixed laboratory for metals analysis. Three of these locations reported metals concentration greater than 100 $\mu\text{g/g}$. Lead was reported at levels between 100 and 500 $\mu\text{g/g}$ and 500 to 1000 $\mu\text{g/g}$ near the building's baghouse. Chromium was reported at a level between 100 and 500 $\mu\text{g/g}$ in the drainage swale east of the building. Forty-four samples from 35 locations were collected and screened for metals around Building 3-01 (nodes 300, 1900, 2000, and 21000) See Figure 6.3-6l. Samples were collected around the loading docks and railroad tracks, around doorways, and in the drainageways running east from the building. Seven of these samples reported metals (lead and chromium) at levels greater than 100 $\mu\text{g/g}$. See Figure 6.3-9l.

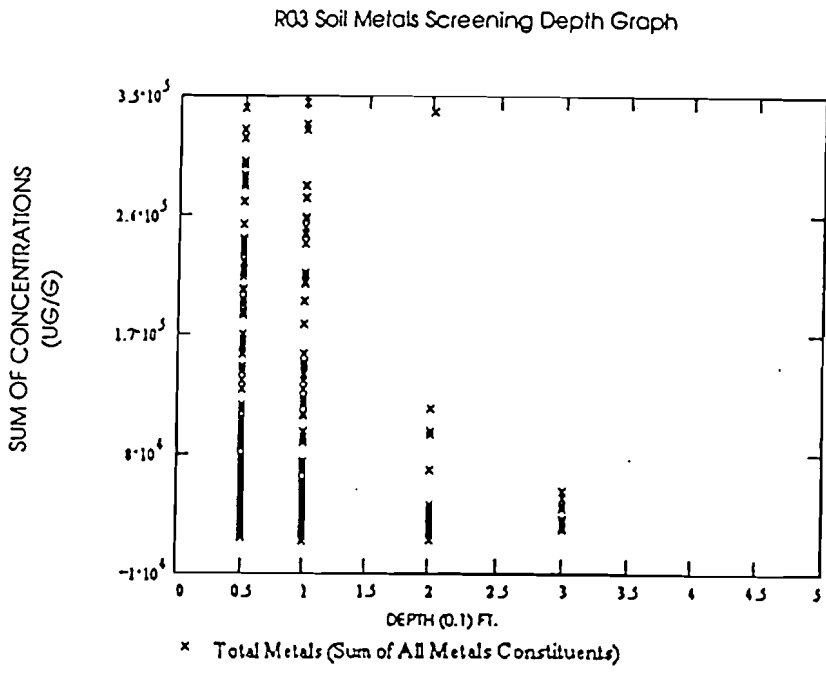
Four of these locations had collocated samples collected at depth that did not report metals levels greater than 100 µg/g.

At-Depth Samples

Continuous undisturbed soil samples were collected from the soil borings during monitoring well installation. The soil samples were logged lithologically and a representative portion was placed in a resealable bag. Six soils samples were submitted to the fixed laboratory for analysis ranging in depth from 11.3 to 18 feet bgs. None of these samples reported metals concentrations above 100 µg/g.

Summary

Metals screening analysis indicated that 267 of the 332 surface soil samples contained metals. Further sampling revealed significant decreases in concentrations with depth. The following graph demonstrates the trend for total metals levels in soil samples to decrease with depth.



Metals concentrations also decreased as the distance from the most impacted soils increased. The areal extent of impacted soils is generally within 10-20 feet of historical sources. The areal extent can vary dependent on the existence of surface features that may channelize and concentrate contaminants. Swales and drainage ditches immediately downgradient from impacted soils were found to have higher concentrations and further horizontal extent of contamination. All concentrations, however, were confined to surficial soils by clay-rich till.

6.3.3.2.2 Surface Water and Sediment

The southern portion of Line 3 drains to an unnamed tributary of Brush Creek. Minor amounts of metals were identified in the tributary which also drains portions of Lines 6, 7, and 9. Sampling from preferential drainage channels from Line 3 toward the creek has not revealed metals contamination. Based on review of the results, it is not likely that Line 3 contributes contamination to the tributary.

Concentrations of metals have been identified in surface waters of the drainage channel immediately downgradient of NPDES discharges at Line 3. Metals were detected in the drainage channel sediments. The intermittent nature of the drainage contributes to increased localized concentrations immediately downgradient of the discharge. Surface water fixed laboratory results are within the permitted NPDES limitations.

6.3.3.2.3 Groundwater

Concentrations of lead between 1.0 and 10 $\mu\text{g}/\text{L}$ were found in wells JAW-53, JAW-56, JAW-57, and JAW-77. Pervasive metals contamination in groundwater at Line 3 does not appear to occur.

6.3.3.3 VOCs and SVOCs

Soil gas screening of the vadose zone was conducted around the Line 3 storage Building 3-03. The soil gas survey examined 21 sampling locations at depths ranging from 5 to 15 feet. Seven of the 21 sample locations were reported to have detectable levels of Total VOCs. The concentrations ranged from below detection limit to 1,462 $\mu\text{g}/\text{L}$ at 1 sample location.

During the Follow-on sampling, 2 samples were collected and analyzed for VOCs to confirm earlier soil gas results. Sample R03-SA-610 was collected at 5.0 feet bgs at former soil gas survey point R03-01 (between Building 3-03 and the railroad tracks), where 1462 ppb TVOCs were reported. During sampling, a black-stained soil with a petroleum odor was encountered at 4.0 feet bgs. No reading was reported on the OVA. Sampling was conducted according to work plan protocol for sampling soils for VOCs. Acetone was reported at 0.055 $\mu\text{g}/\text{g}$ in Sample R03-SA-610. Sample R03-SA-611 was collected at 5.0 feet bgs at former soil gas survey point R03-13 (near Building 3-03), where no TVOCs were reported. Acetone was reported in this sample at 0.0430 $\mu\text{g}/\text{g}$. A field duplicate of Sample R03-SA-611 was collected and reported acetone at 0.0450 $\mu\text{g}/\text{g}$. The soil was extremely saturated at this depth at this location indicating that shallow groundwater had been encountered.

Building 3-03 is a solvent storage building. Any VOC contamination in the area would be from incidental spills during handling or building clean-up. A waste stream is not generated in this building, therefore if any contamination exists, it may be in small amounts that is not concentrated to one area (i.e., ditch). It may be difficult to determine the best areas to sample with an inconsistent source as described. As discussed previously, since the soil gas survey suggested that contamination exists at this building, this area will be evaluated under the Groundwater FS. Extraction wells may be installed that would capture contaminants.

None of the surface water/sediment samples collected during the RI at Line 3 reported levels of SVOCs above detection limits. Only one of the surface water samples collected from Line 3 reported VOCs above detection limits. Sample R03-SW-46 reported chloroform, bromodichloromethane, and ethylbenzene at 27.0, 4.6 and 0.9 $\mu\text{g/L}$, respectively. This sample was collected 63 feet south of the southeast corner of Building 3-70-2 (i.e., from the outfall area of the filter building). No VOCs or SVOCs were reported in the corresponding sediment sample.

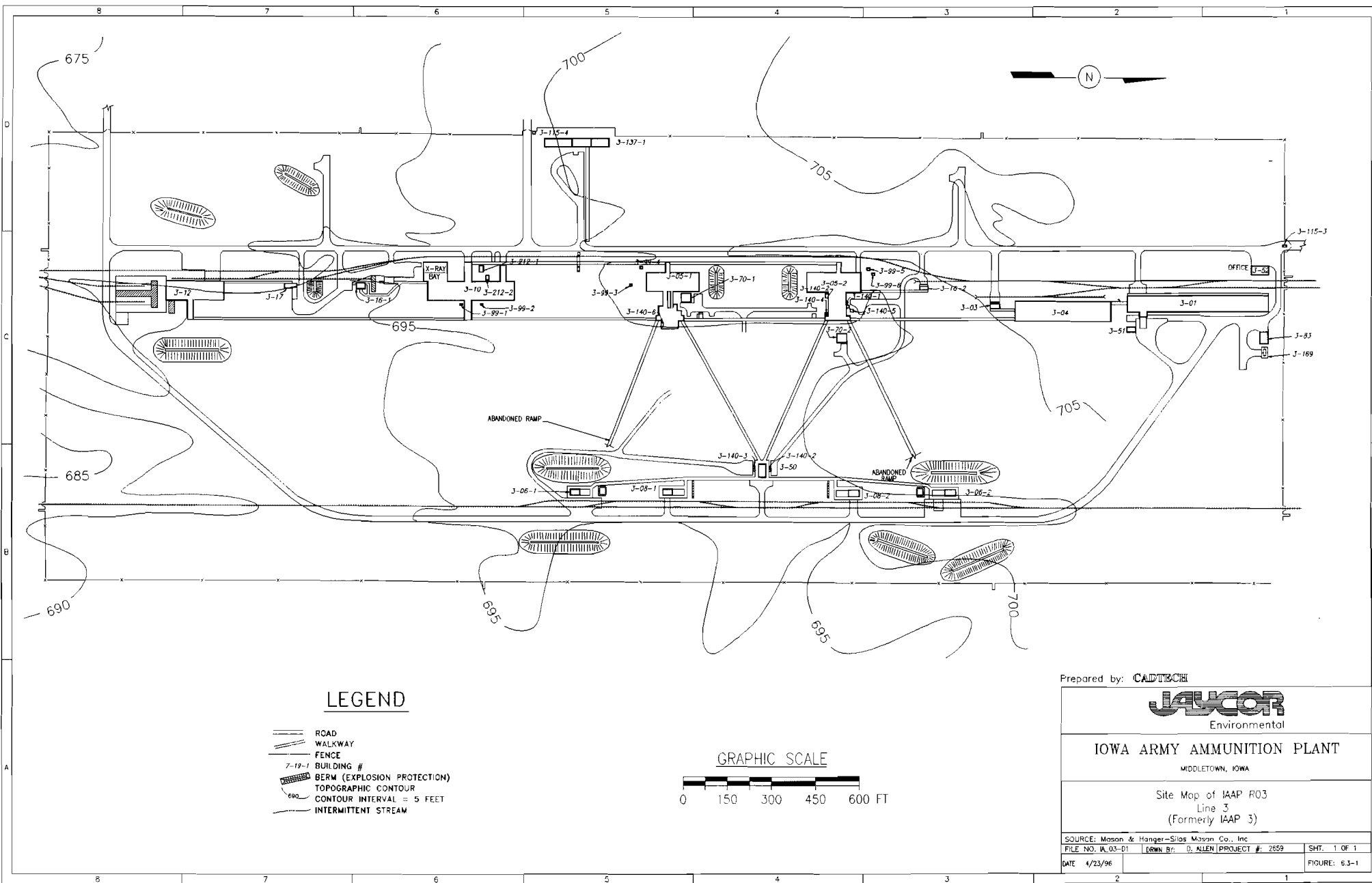
During the Follow-on sampling, Wells JAW-53, JAW-55, and JAW-56 were sampled to determine if VOCs were a concern in the groundwater, per EPA Region VII request. VOCs were not detected in any of these wells during the Follow-on sampling.

Several SVOCs were reported in soil samples collected throughout Line 3. With the exception of one sample, none of these levels were above 10 $\mu\text{g/g}$. (Sample 03-SA-09 reported Benzo[ghi]perylene at 21 $\mu\text{g/g}$.) Other SVOCs reported in soil samples include di-n-butyl phthalate, bis(2-ethylhexyl)phthalate, fluoranthene, benzo[def]phenanthrene, benzo[b]fluoranthene, and phenol. Only 1 sample reported detectable levels of VOCs: toluene at 0.0016 $\mu\text{g/g}$ in Sample R03-SS-08. See Figure 6.3-8 for locations of SVOC and VOC detects in soil samples.

6.3.4 Deviations from the Work Plan

Samples R03-GP-39-01 and R03-GP-40-01 were designated as soil gas confirmation samples in the RI Work Plan. Ten percent of the total number of soil gas samples were sent to the fixed laboratory for confirmation; however, not as many soil gas samples collected from Line 3 were selected for confirmation samples as originally planned. Therefore, these sample numbers were not needed.

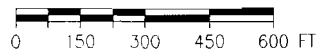
Sample R03-GP-41-01 was designated as a soil gas confirmation sample in the RI Work Plan. Because of the reason stated in the above paragraph, this sample number was not needed for soil gas confirmation. This number was instead used as the starting number for metals and explosives screening samples collected from Line 3 and selected for confirmation by the fixed laboratory. Sample numbers R03-SS-41 through R03-SS-134 were all used to identify screening confirmation samples.



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

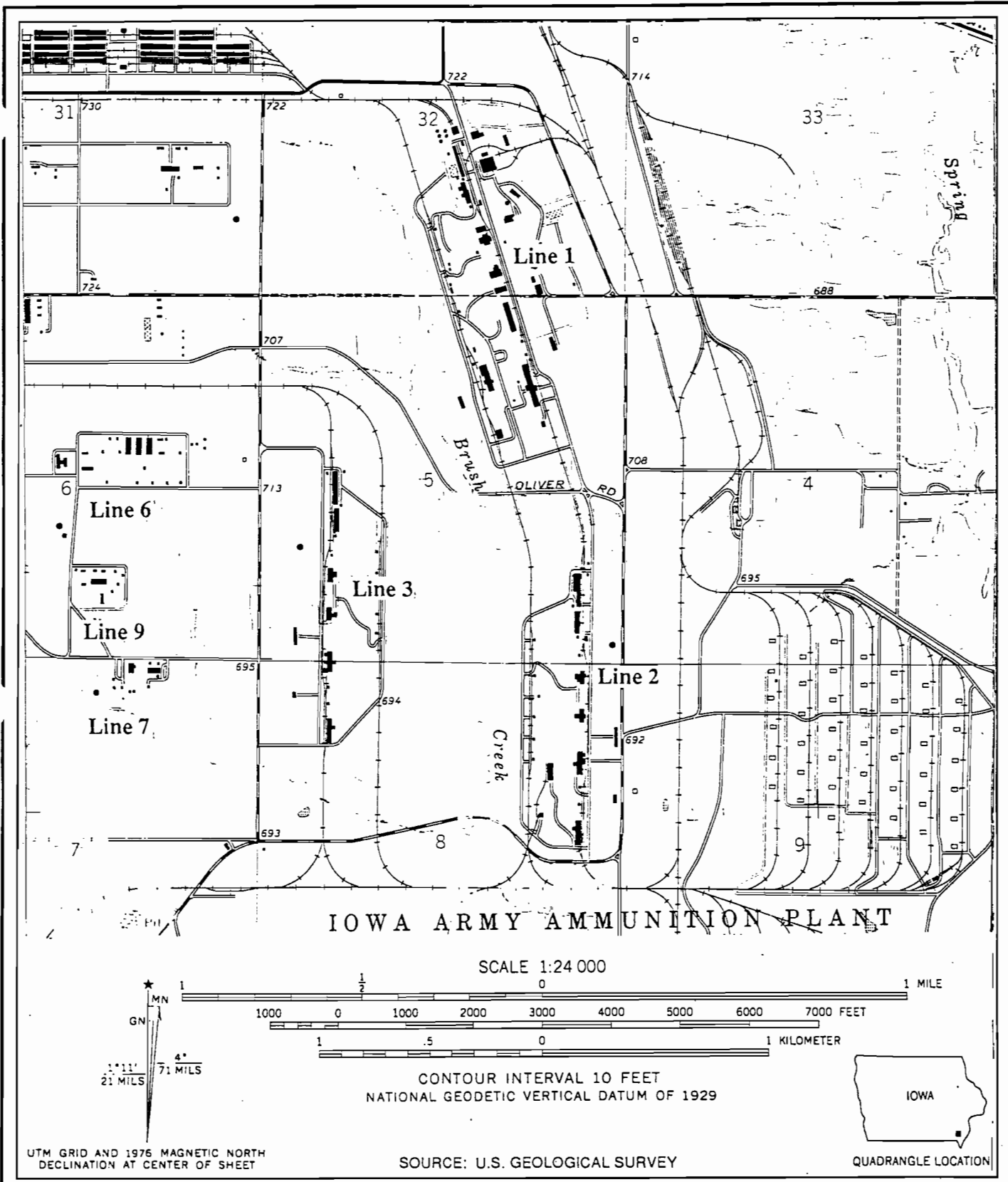
GRAPHIC SCALE



Prepared by: CADTECH

JAVCOR Environmental		
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA		
Site Map of IAAP R03 Line 3 (Formerly IAAP 3)		
SOURCE: Mason & Hanger-Silos Mason Co., Inc	FILE NO. IA-03-D1	DRAWN BY: G. ALLEN PROJECT #: 2659
DATE 4/23/96		SHT. 1 OF 1
		FIGURE: 6.3-1

138

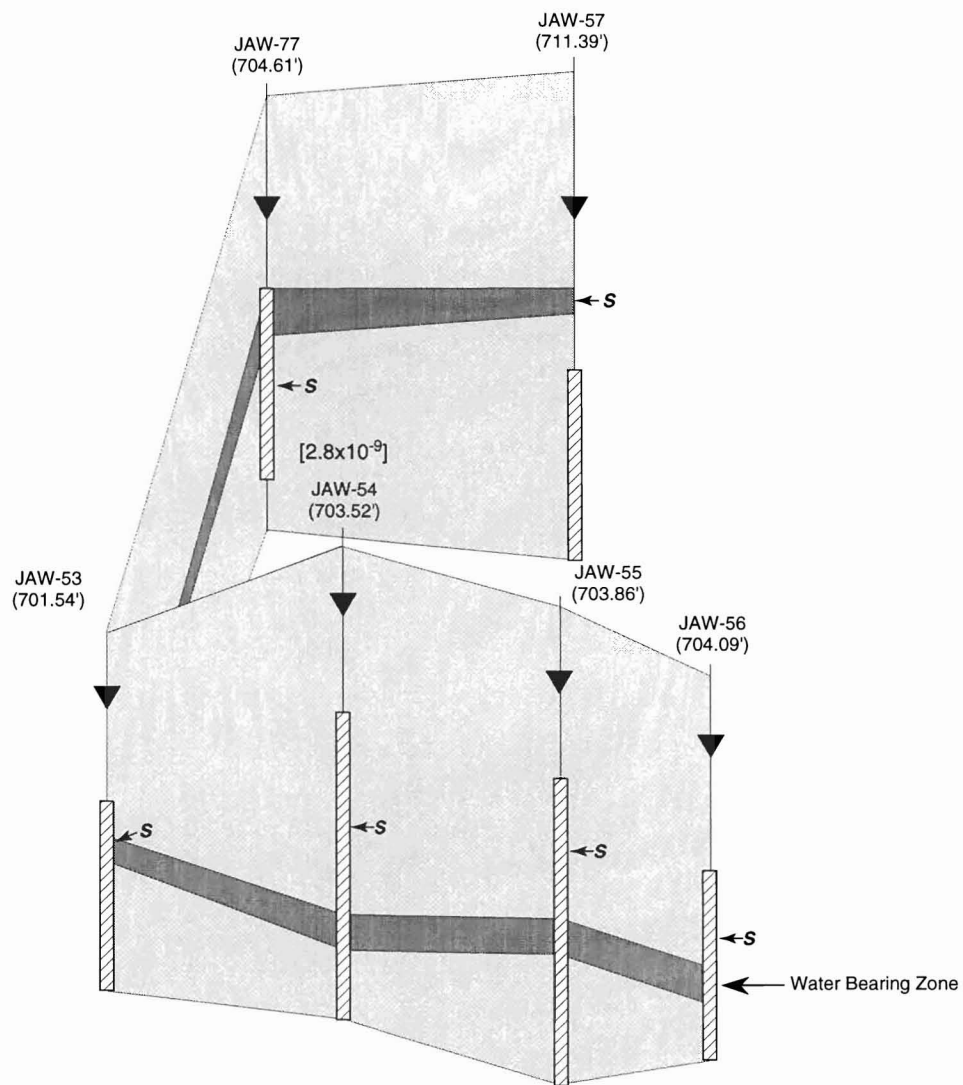


UTM GRID AND 1976 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SOURCE: U.S. GEOLOGICAL SURVEY

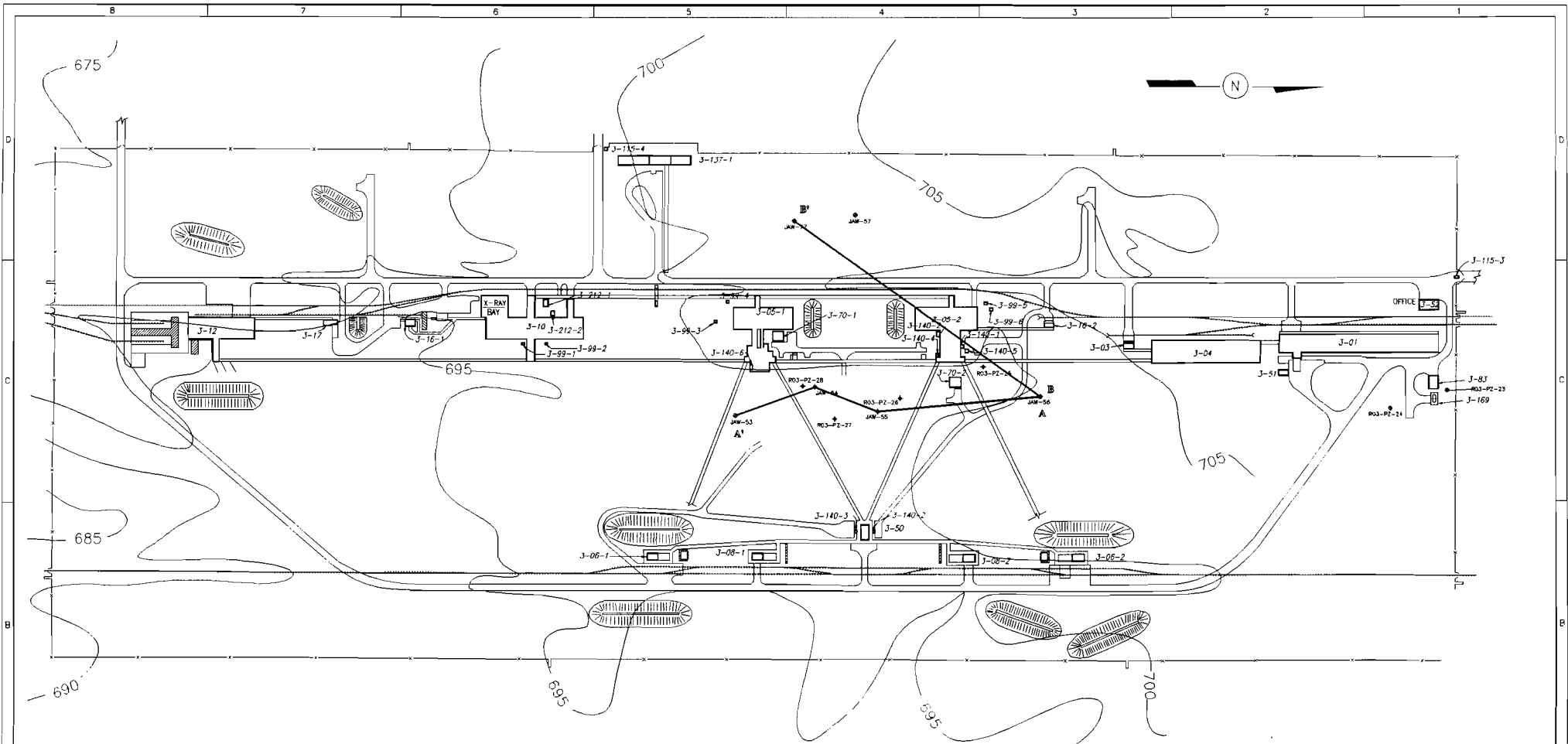
QUADRANGLE LOCATION

JAYCOR <i>Environmental</i>	DATE	1964	SCALE	1:24 000	TITLE SITE LOCATION MAP Lines 1, 2, 3, 6, 7, & 9		
	DRAWN BY	U.S.G.S	APPROVED BY	B. McG.			
	JOB NO.	2659-13	DWG. NO./REV. NO.	1	CLIENT	AEC	FIGURE



Well #	Total Depth	Screened Interval	Potentiometric Surface	Soil Sampling Interval
JAW-53	19.0 ft	8.0 - 18.0 ft	4.40 ft	11.00 ft
JAW-54	25.0 ft	10.0 - 25.0 ft	4.20 ft	15.00 ft
JAW-55	25.0 ft	10.0 - 25.0 ft	4.90 ft	13.00 ft
JAW-56	20.0 ft	10.0 - 20.0 ft	4.70 ft	12.50 ft
JAW-57	25.0 ft	15.0 - 25.0 ft	7.00 ft	12.00 ft
JAW-77	22.0 ft	10.0 - 20.0 ft	6.30 ft	15.00 ft

<p>LEGEND</p> <ul style="list-style-type: none"> Silty Clay/Clayey Silt Sand/Silt/Gravel [] Hydraulic Conductivity (cm/s) () Casing Elevation S → Soil Sample ▼ Water Level 	<p>Vertical Scale in Feet</p> <p>0</p> <p>10</p> <p>Horizontal Scale in Feet</p> <p>0 800</p>	<p>→</p> <p>North</p>	<p>JAYCOR</p> <p>IOWA ARMY AMMUNITION PLANT</p> <p>MIDDLETOWN, IOWA</p> <hr/> <p>Fence Diagram</p> <p>Line 3 (RO3)</p>								
		<table border="0" style="width: 100%;"> <tr> <td>FILE NO:</td> <td>DRAWN BY:</td> <td>PROJECT NO: 2659</td> <td>SHEET 1 of 1</td> </tr> <tr> <td>DATE: 9/09/93</td> <td>FIGURE: 6.3-3</td> <td colspan="2"></td> </tr> </table>		FILE NO:	DRAWN BY:	PROJECT NO: 2659	SHEET 1 of 1	DATE: 9/09/93	FIGURE: 6.3-3		
FILE NO:	DRAWN BY:	PROJECT NO: 2659	SHEET 1 of 1								
DATE: 9/09/93	FIGURE: 6.3-3										

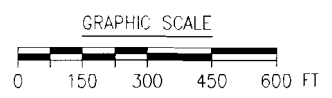


SAMPLE KEY

- ◆ MONITORING WELL
- △ SURFACE WATER SAMPLE
- ▽ SEDIMENT SAMPLE
- ⊕ SURFACE WATER & SEDIMENT SAMPLE
- ⊕ GEOPROBE SAMPLE
- ⊕ PIEZOMETER SAMPLE

LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM



Prepared by: CADTECH

JAYCOR
Environmental

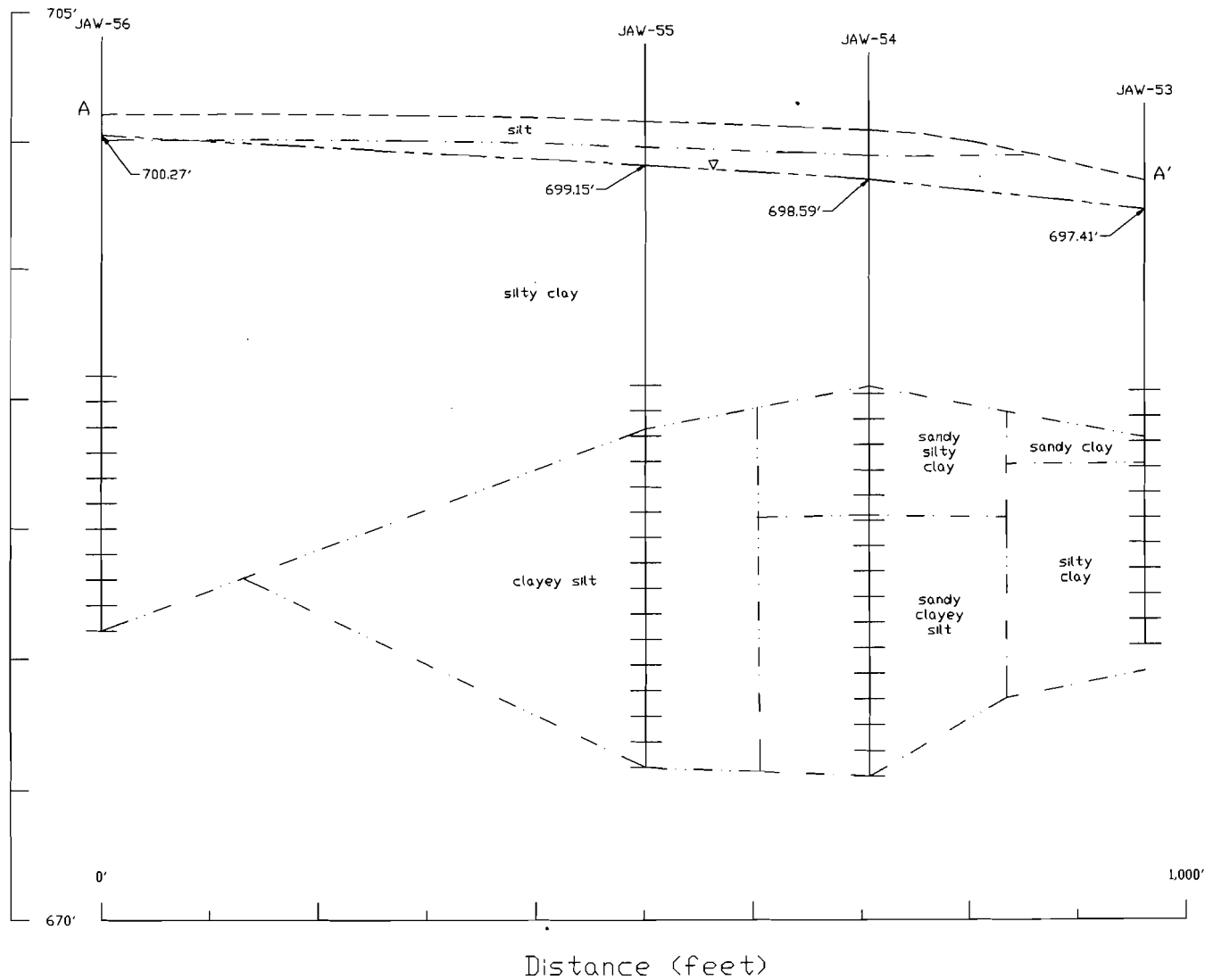
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R03
Line 3 Geologic Profile Cross Sections
(Formerly IAAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3DW1	DRWN BY: D. ALLEN	PROJECT #: 2659
DATE 4/24/96	SHT. 1 OF 1	
FIGURE: 6.3-4a		

141

Elevation (feet above MSL)



LEGEND

- GROUND SURFACE
- ▽- WATER TABLE
- - - APPROXIMATE GEOLOGIC PROFILE
- | | SCREEN

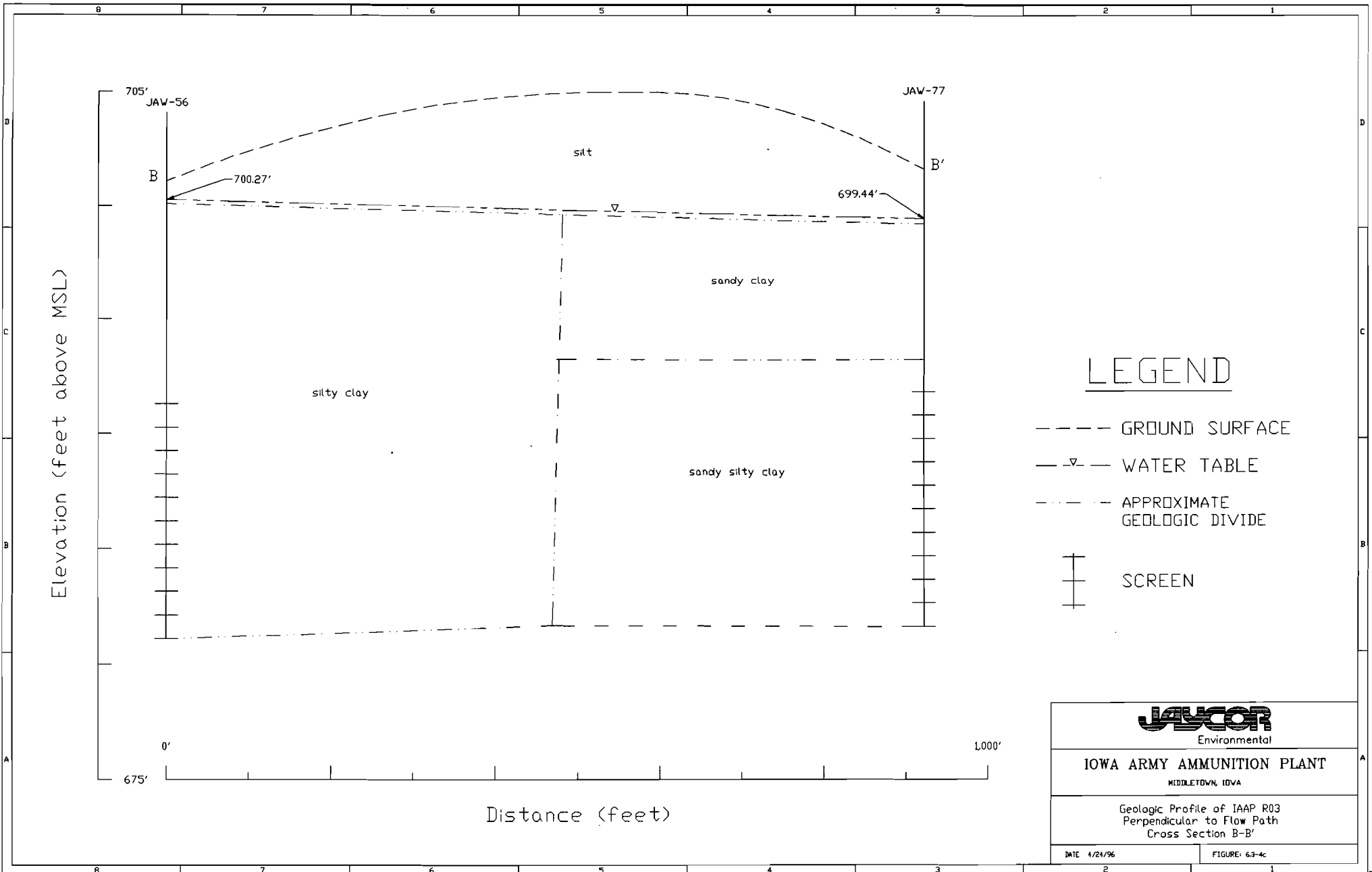


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Geologic Profile of IAAP R03
Along Flow Path
Cross Section A-A'

DATE 4/24/96

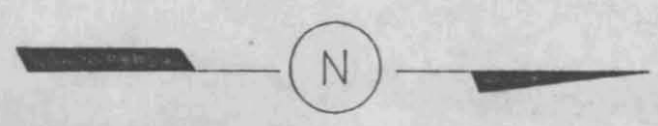
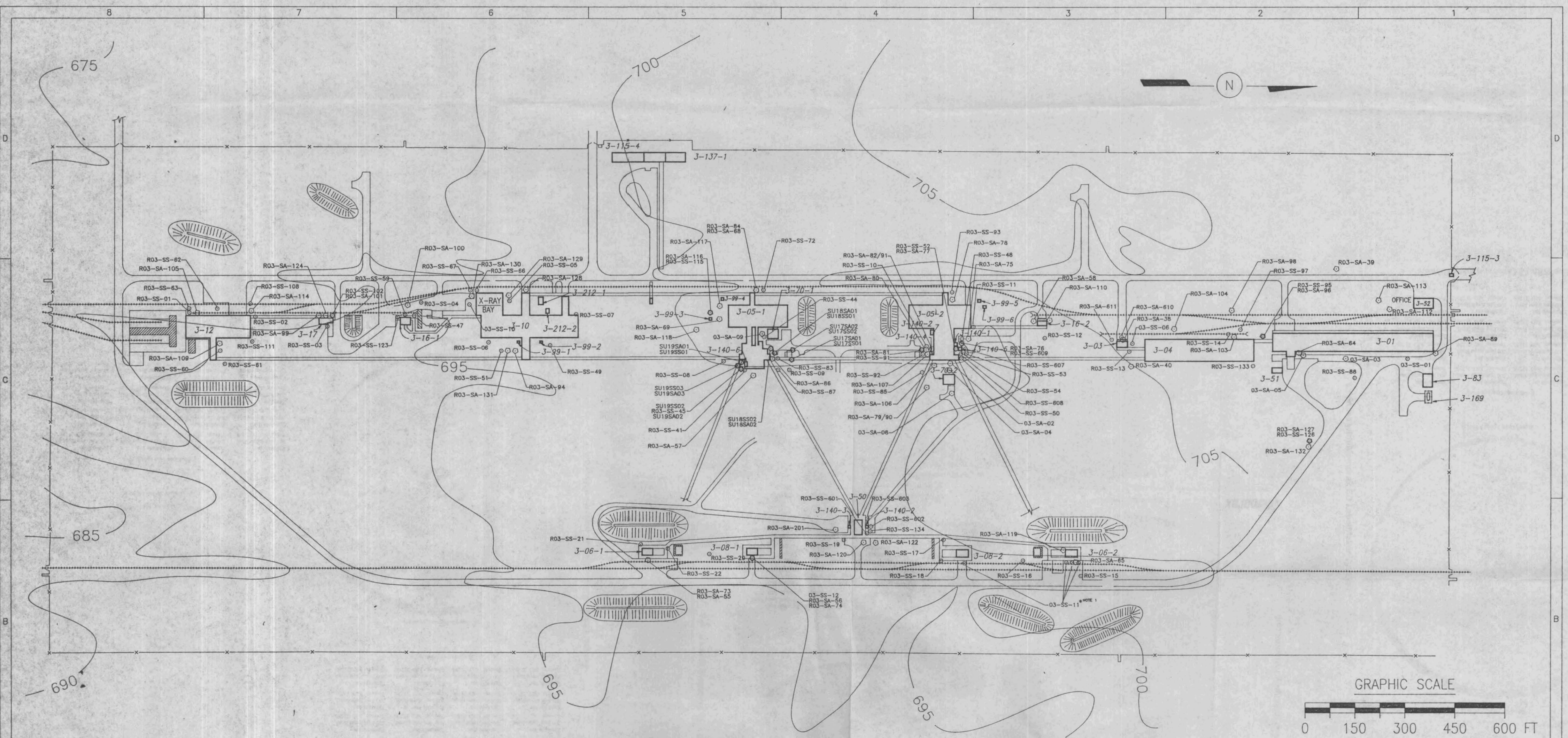
FIGURE: 63-4b



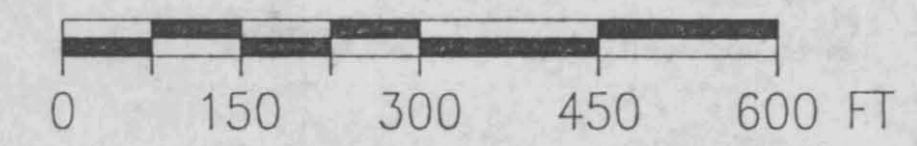
- ### LEGEND
- GROUND SURFACE
 - ▽- WATER TABLE
 - - - - - APPROXIMATE GEOLOGIC DIVIDE
 - ⊥ SCREEN

JAYCOR Environmental	
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA	
Geologic Profile of IAAP R03 Perpendicular to Flow Path Cross Section B-B'	
DATE 1/24/96	FIGURE 63-4c

241



GRAPHIC SCALE



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

SAMPLE KEY

- SUBSURFACE SOIL SAMPLE
- SOIL SAMPLE

NOTES:

1. THERE ARE 4 LOCATIONS FOR SAMPLE 03-SS-11. THE SAMPLE WAS A COMPOSITE SAMPLE COLLECTED FROM 4 AREAS AND MIXED.

Prepared by: CADTECH

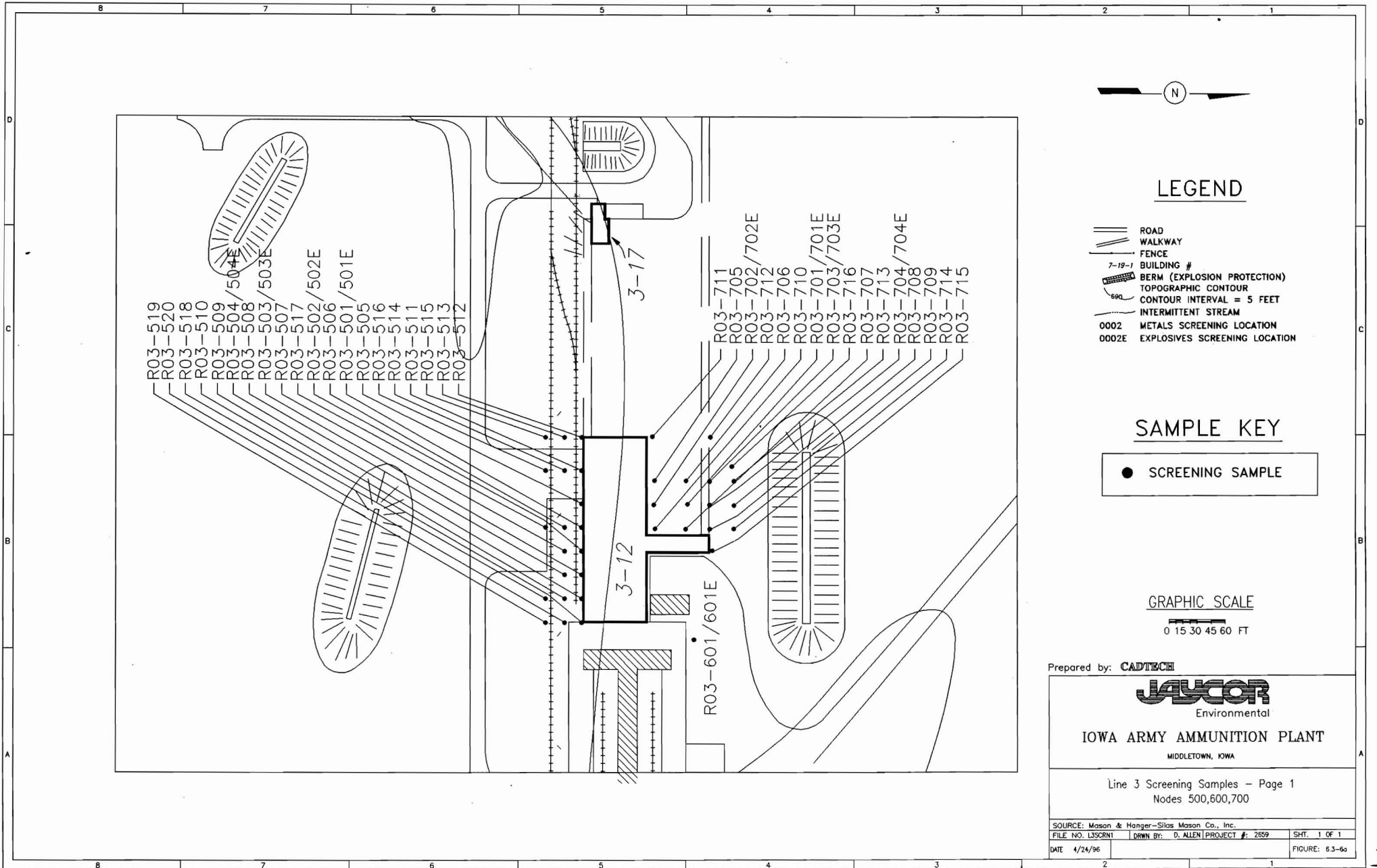


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAP R03
Line 3 Subsurface Soil & Surface Soil Samples
(Formerly IAAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L3SL1	DRWN BY: D. ALLEN	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/23/96			FIGURE: 6.3-5

14311



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: CADTECH

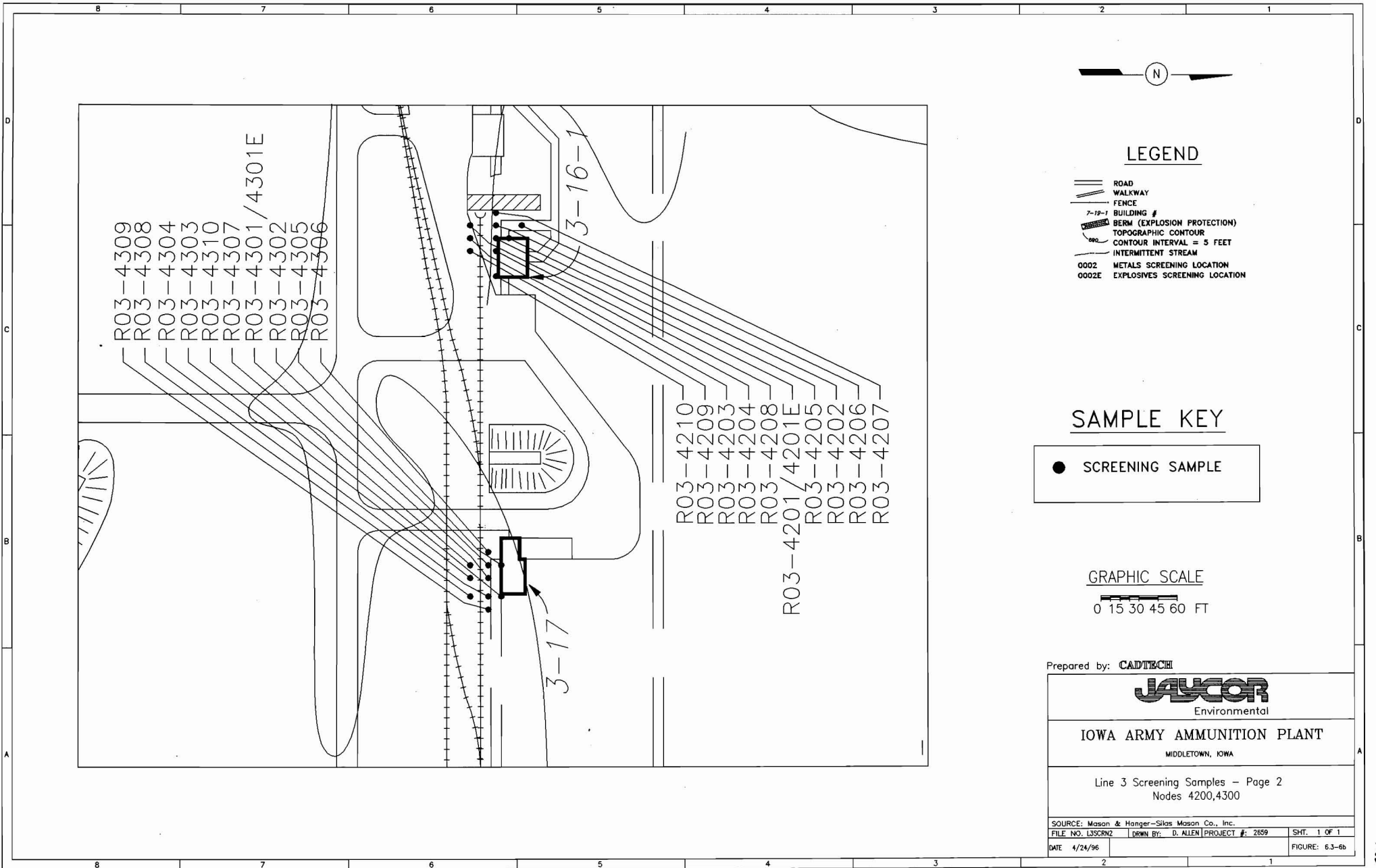
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 1
Nodes 500,600,700

SOURCE: Mason & Hanger-Silos Mason Co., Inc.	
FILE NO. L3SCRN1	DRAWN BY: D. ALLEN / PROJECT #: 2859
DATE 4/24/96	SHT. 1 OF 1
	FIGURE: 6.3-6a

144



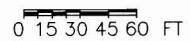
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

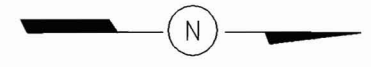
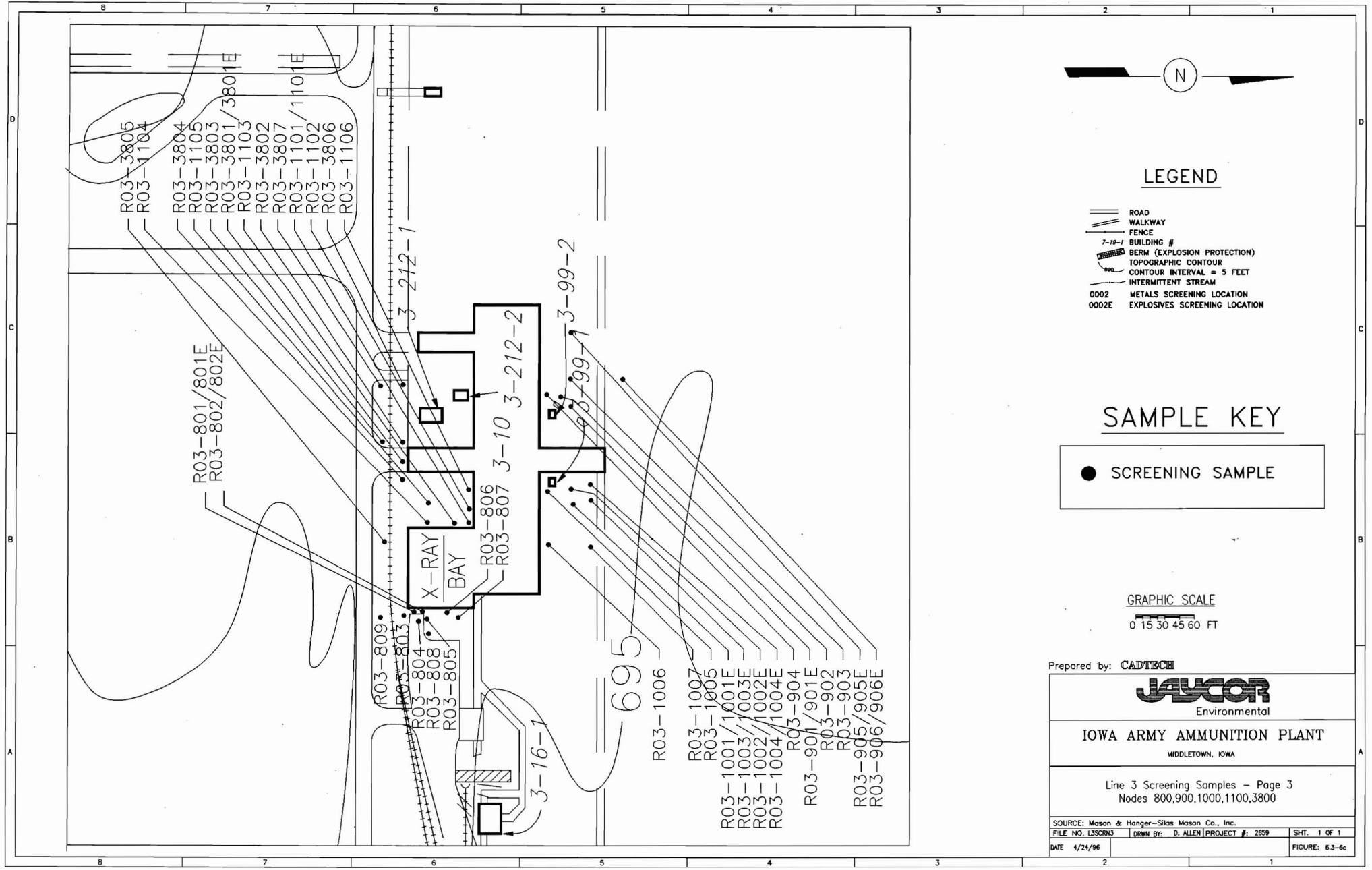


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 2
Nodes 4200,4300

SOURCE: Mason & Hanger-Silos Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L3SCRN2	DRAWN BY: D. ALLEN	PROJECT #: 2859	FIGURE: 6.3-6b
DATE 4/24/96			

157



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

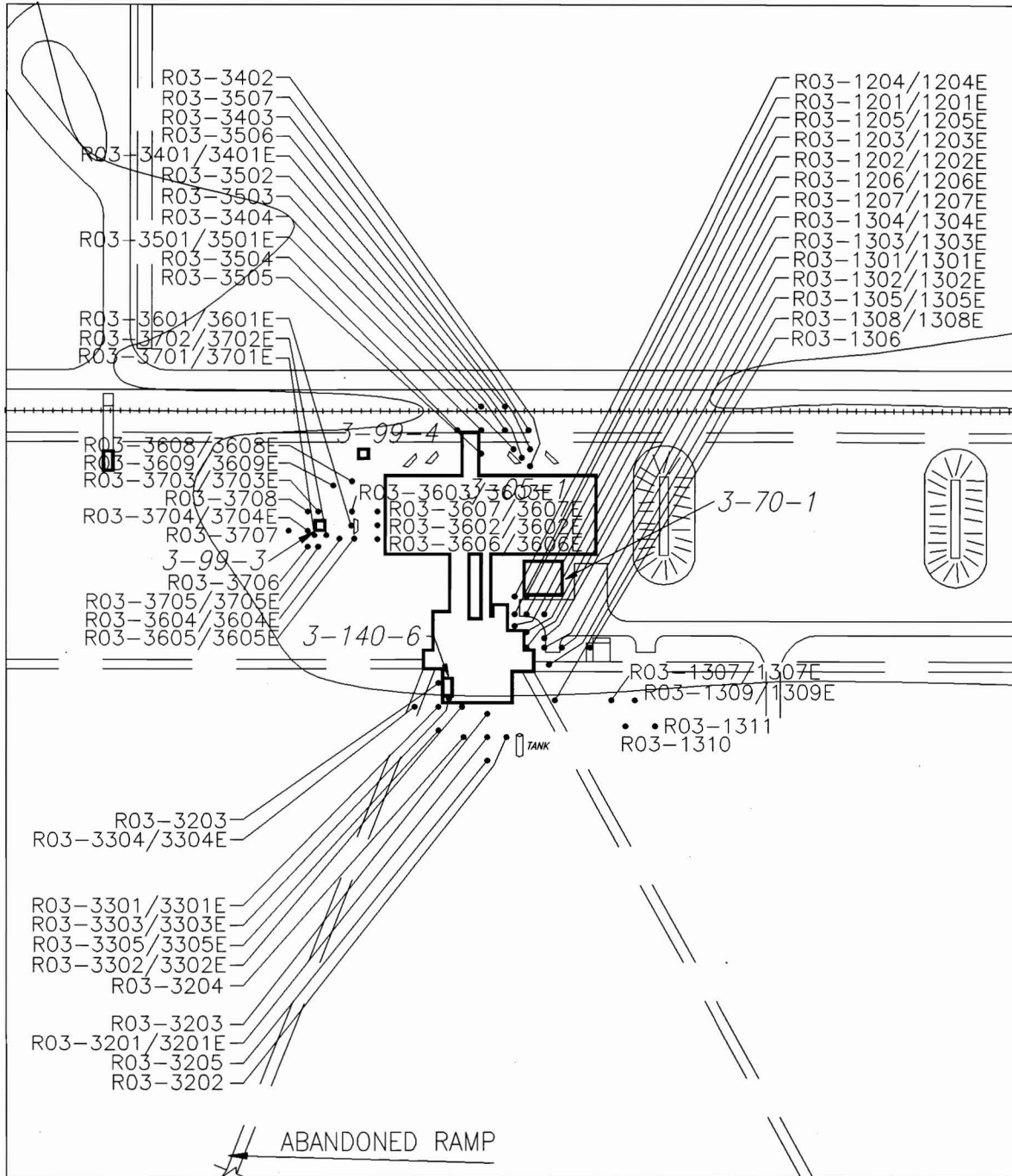
SCREENING SAMPLE

GRAPHIC SCALE
 0 15 30 45 60 FT

Prepared by: **CADTECH**

JAVCOR Environmental		
IOWA ARMY AMMUNITION PLANT MIDDLETOWN, IOWA		
Line 3 Screening Samples - Page 3 Nodes 800,900,1000,1100,3800		
SOURCE: Mason & Hanger-Silos Mason Co., Inc.		
FILE NO. L3SCRN3	DRAWN BY: D. ALLEN	PROJECT #: 2859
DATE 4/24/96		SHT. 1 OF 1
		FIGURE: 6.3-6c

971



● SCREENING SAMPLE

SAMPLE KEY

- LEGEND
- ROAD
 - FALLOUT
 - BUILDING
 - BERM (EXPLOSION PROTECTION)
 - TOPOGRAPHIC CONTOUR
 - INTERMENT STREAM
 - METALS SCREENING LOCATION
 - EXPLOSIVES SCREENING LOCATION

GRAPHIC SCALE
0 15 30 45 60 FT

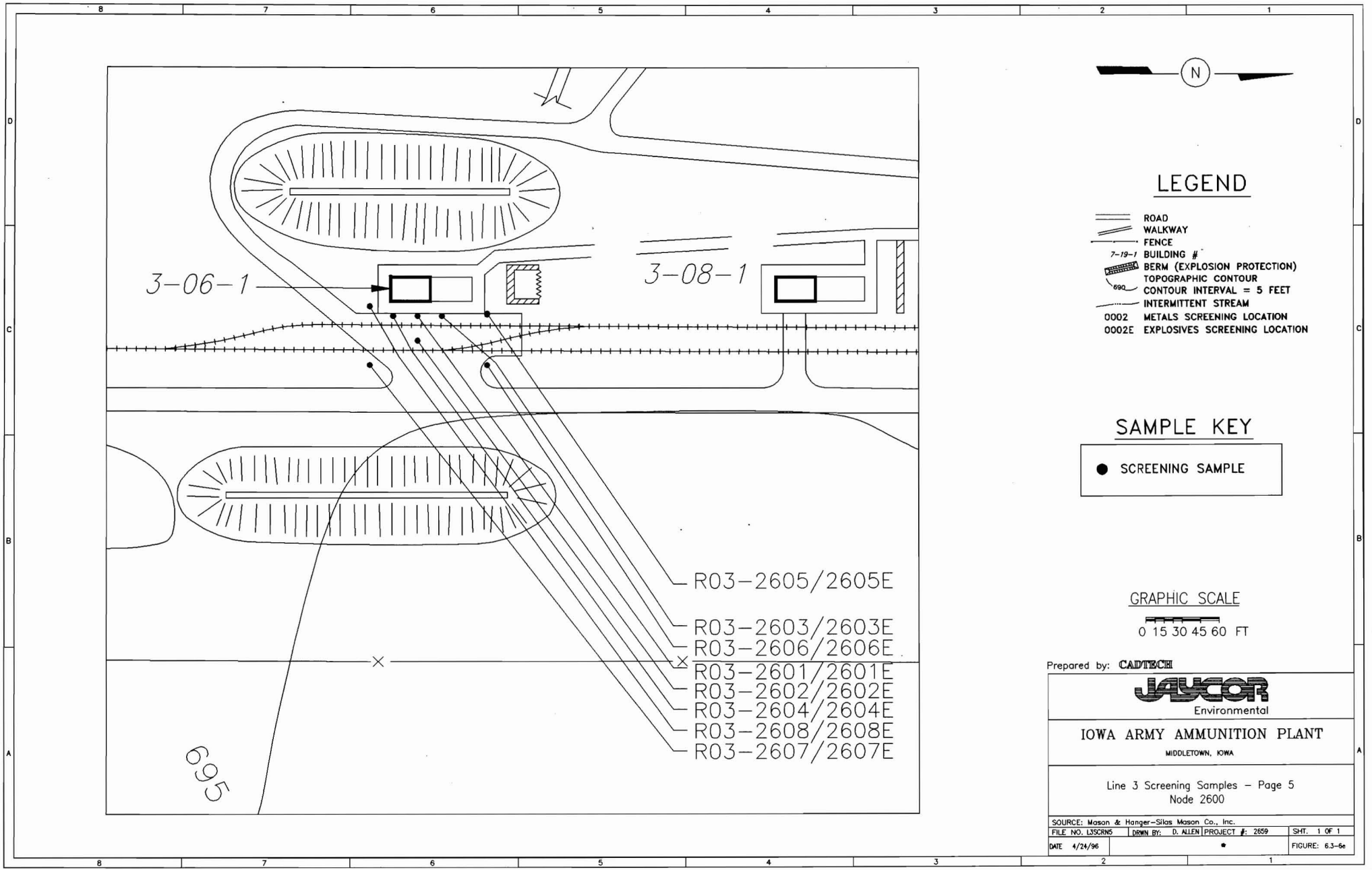
Prepared by: CADPAC



IOWA ARMY AMMUNITION PLANT
MIDDLETON, IOWA

Line 3 Screening Samples - Page 4
Nodes 1200,1300,3200,3300,3400,3500,3600,3700

SOURCE: Mason & Hammer-Sloan, Mason Co., Inc.
FILE NO. 13300V 1000V BR. 0. ALLEN PROJECT # 2699
DATE 4/24/96
SHT. 1 OF 1
FIGURE: 6.3-6d



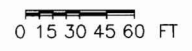
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

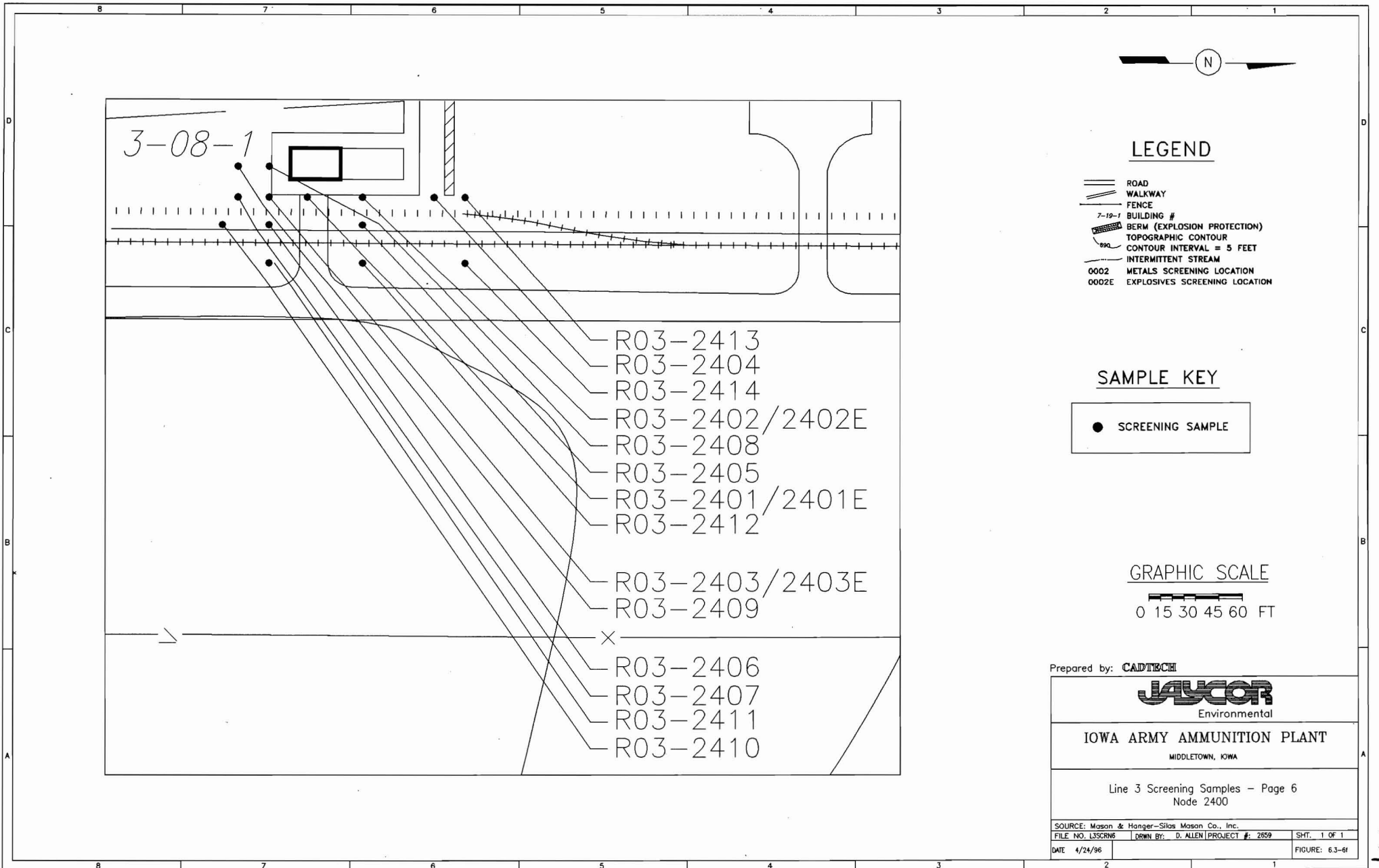
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 5
Node 2600

SOURCE: Mason & Hanger-Silas Mason Co., Inc.	FILE NO. L3SCRNS	DRAWN BY: D. ALLEN	PROJECT #: 2659	SMT. 1 OF 1
DATE 4/24/96				FIGURE: 6.3-6e

171



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: CADTECH

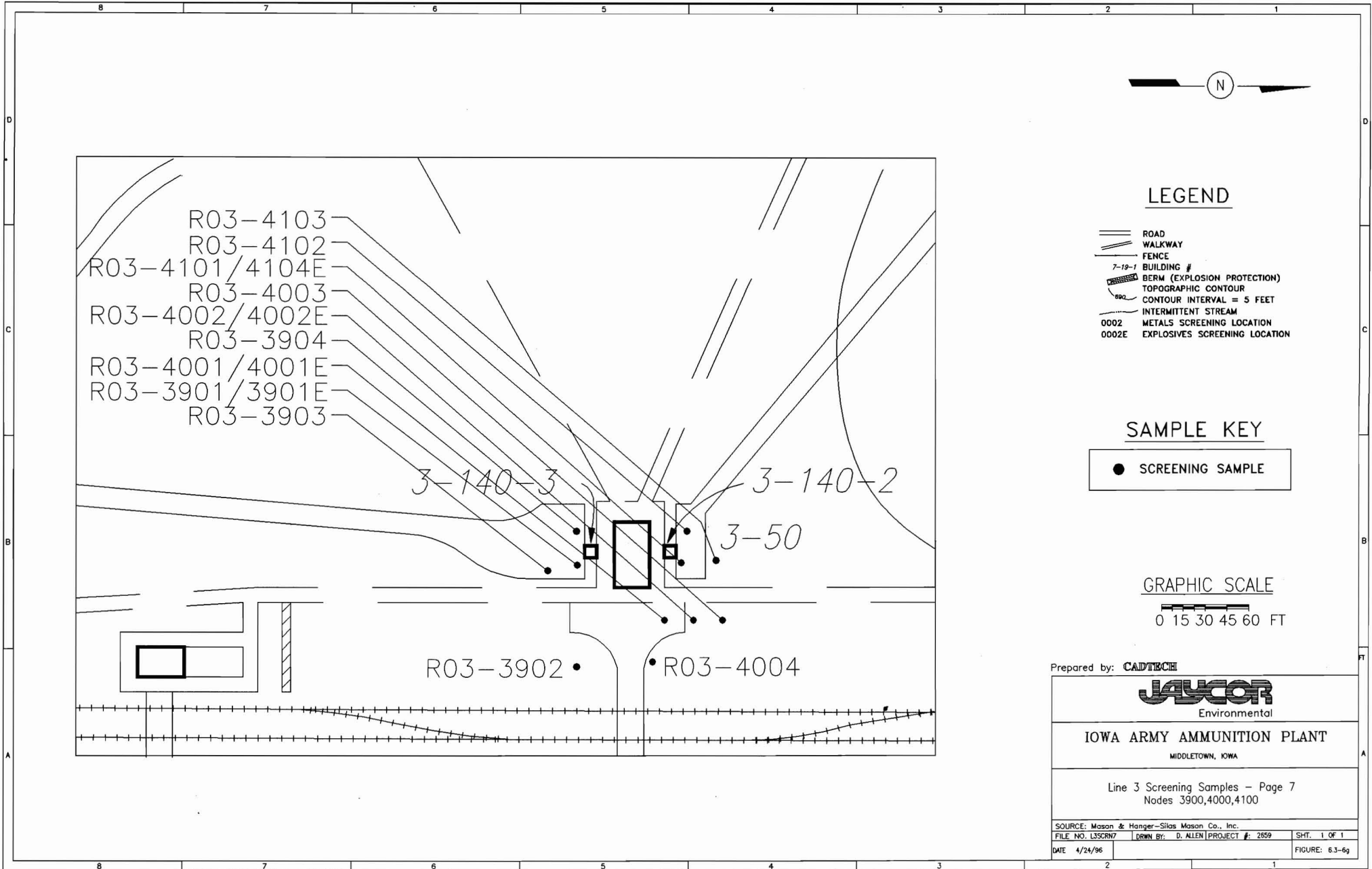


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 6
Node 2400

SOURCE: Mason & Hanger-Silos Mason Co., Inc.	FILE NO. L3SCRIN6	DRAWN BY: D. ALLEN	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/24/96				FIGURE: 6.3-6f

141



R03-4103
 R03-4102
 R03-4101/4104E
 R03-4003
 R03-4002/4002E
 R03-3904
 R03-4001/4001E
 R03-3901/3901E
 R03-3903

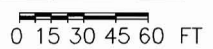
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

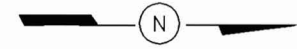
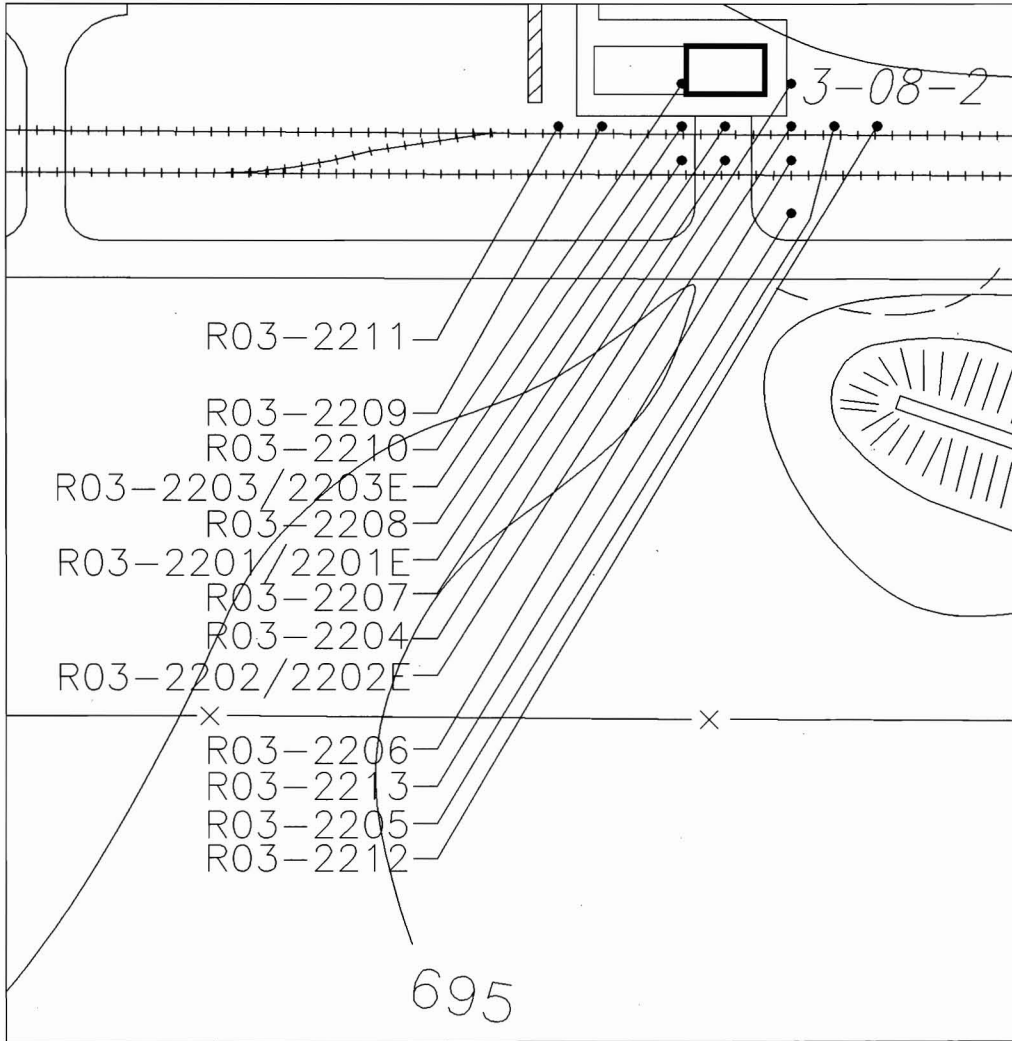
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 7
Nodes 3900,4000,4100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SCRN7	DRWN BY: D. ALLEN PROJECT #: 2659	SHT. 1 OF 1
DATE 4/24/96		FIGURE: 6.3-6g

150



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

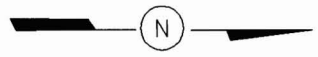
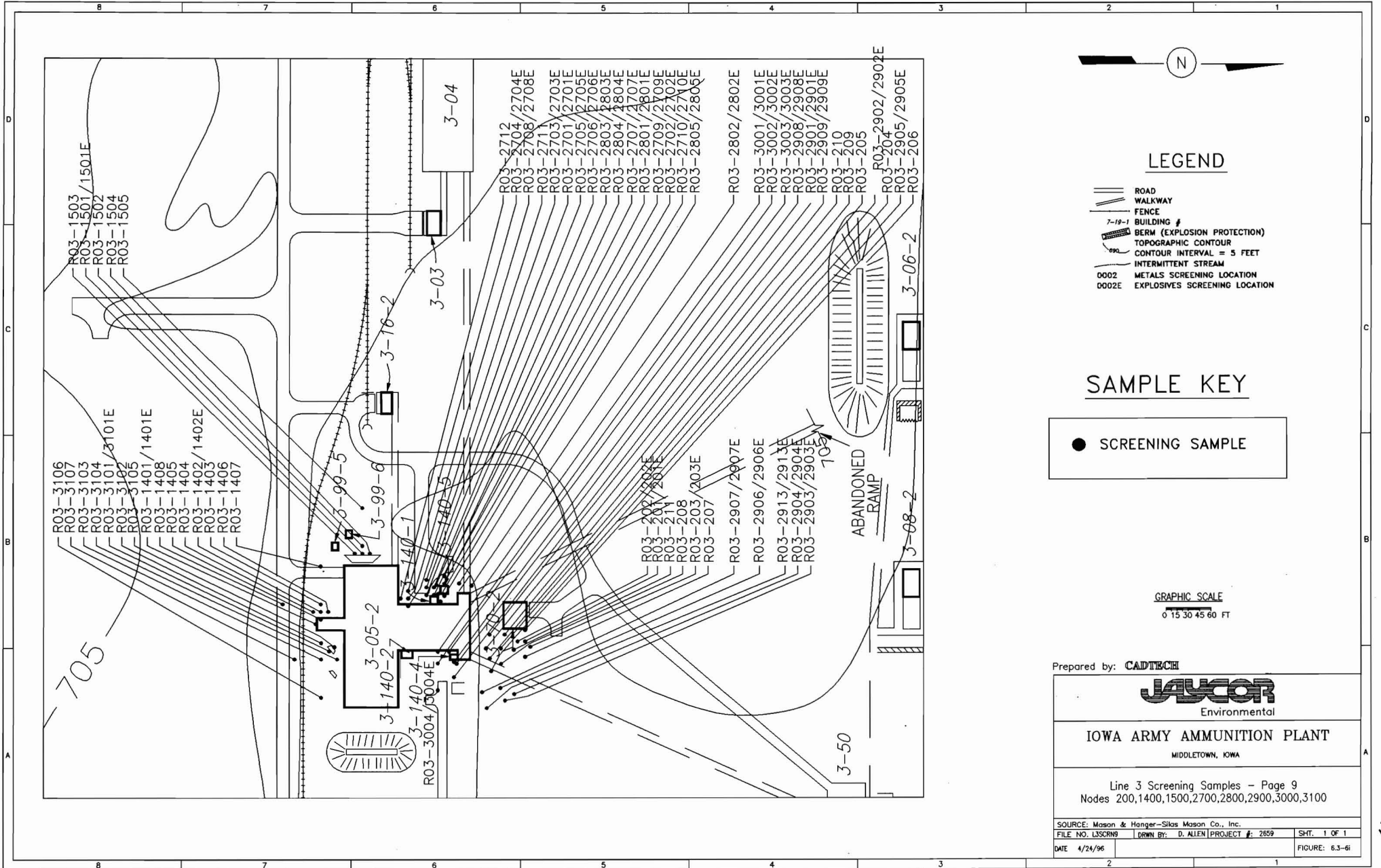
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 8
Node 2200

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L3SCRN6	DRWN BY: D. ALLEN	PROJECT #: 2659	FIGURE: 6.3-6h
DATE 4/24/96			

1-57



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE
0 15 30 45 60 FT

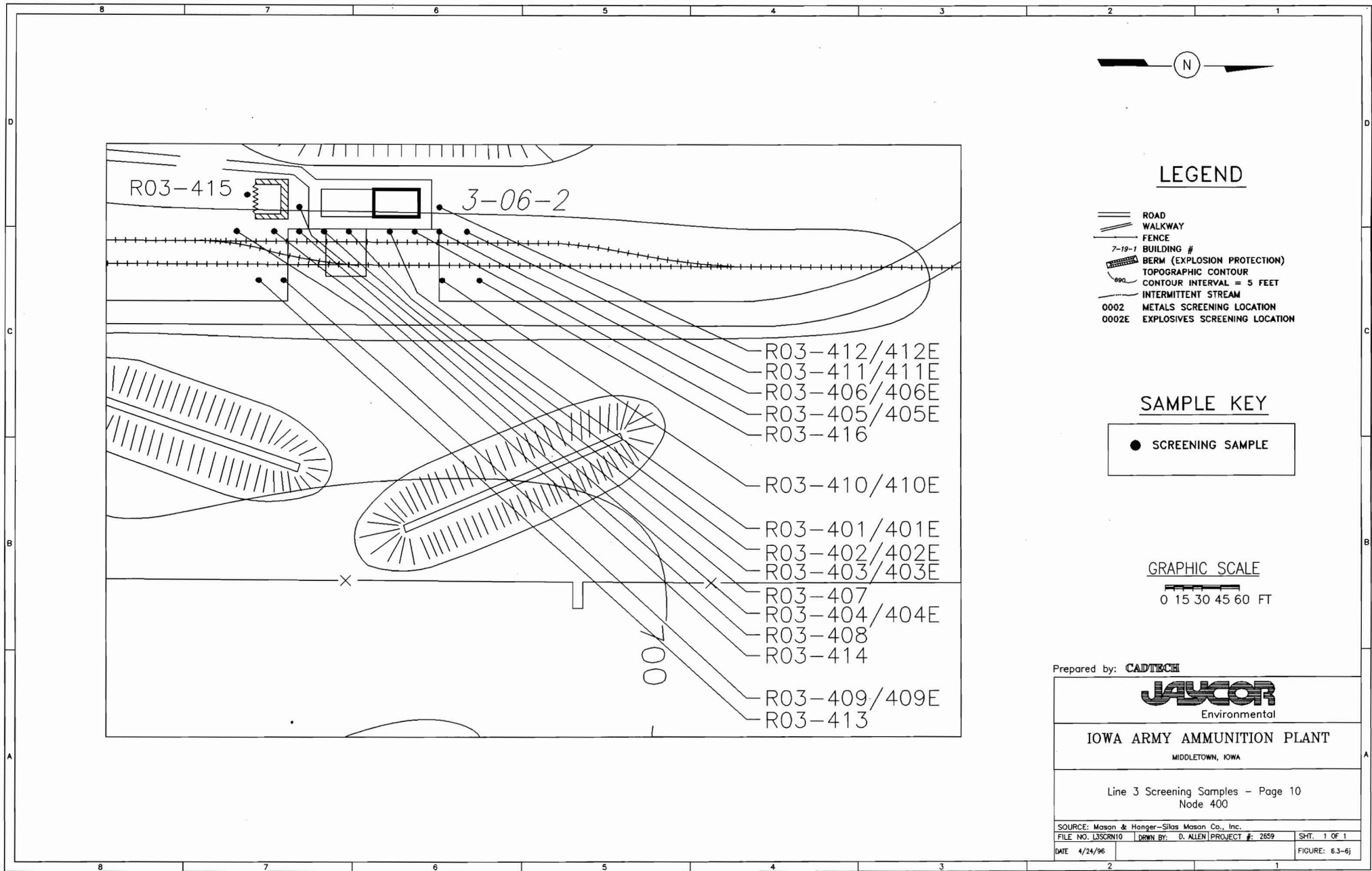
Prepared by: CADTECH

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 9
Nodes 200,1400,1500,2700,2800,2900,3000,3100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SCR99	DRWN BY: D. ALLEN PROJECT #: 2659	SHT. 1 OF 1
DATE 4/24/96		FIGURE: 6.3-6i

2-51



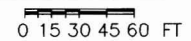
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH



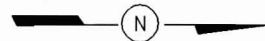
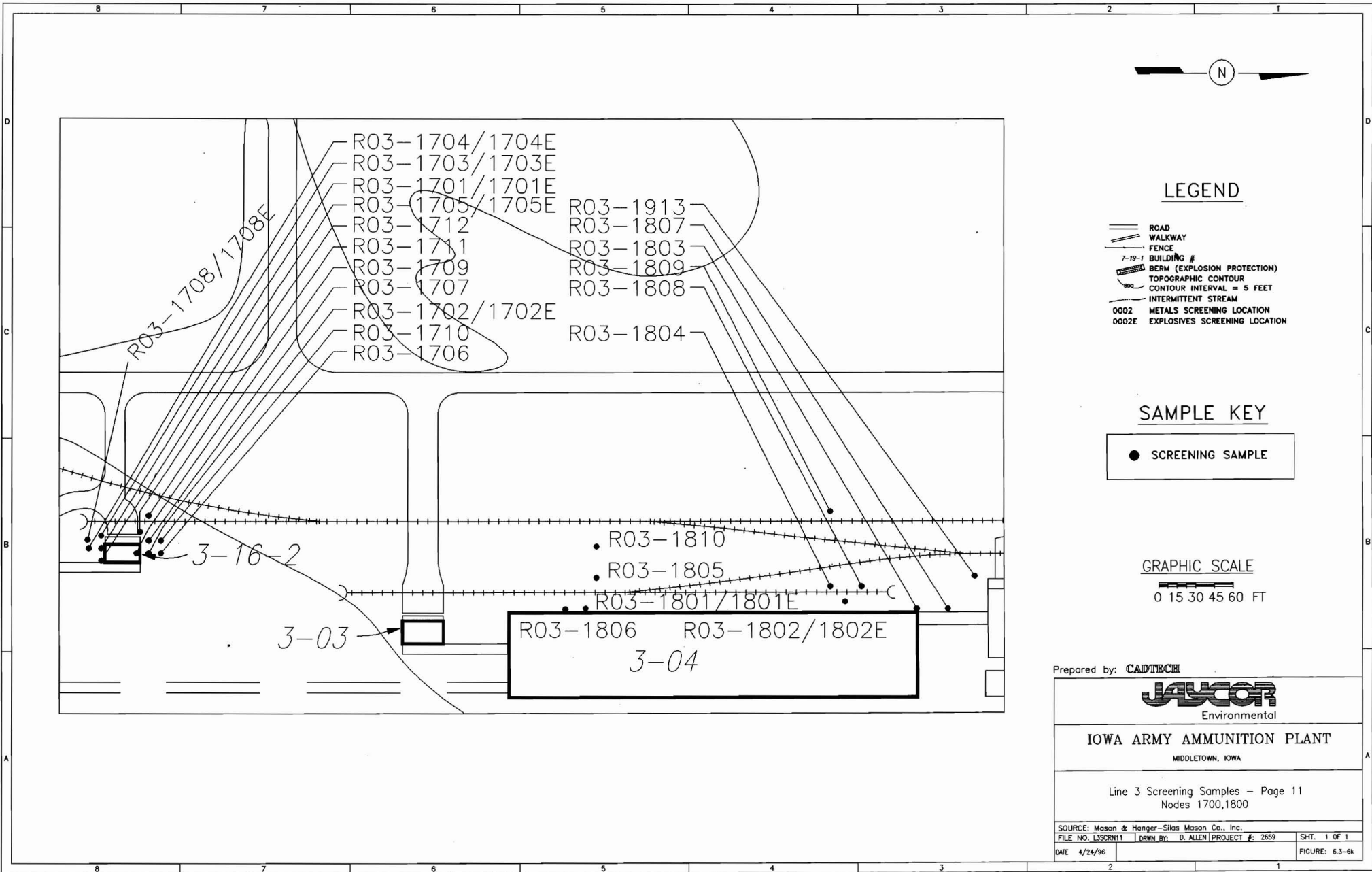
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 10
Node 400

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SCRN10	DRAWN BY: D. ALLEN	PROJECT #: 2859
DATE 4/24/96	SHT. 1 OF 1	
		FIGURE: 6.3-6j

153



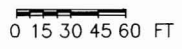
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

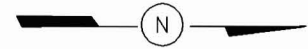
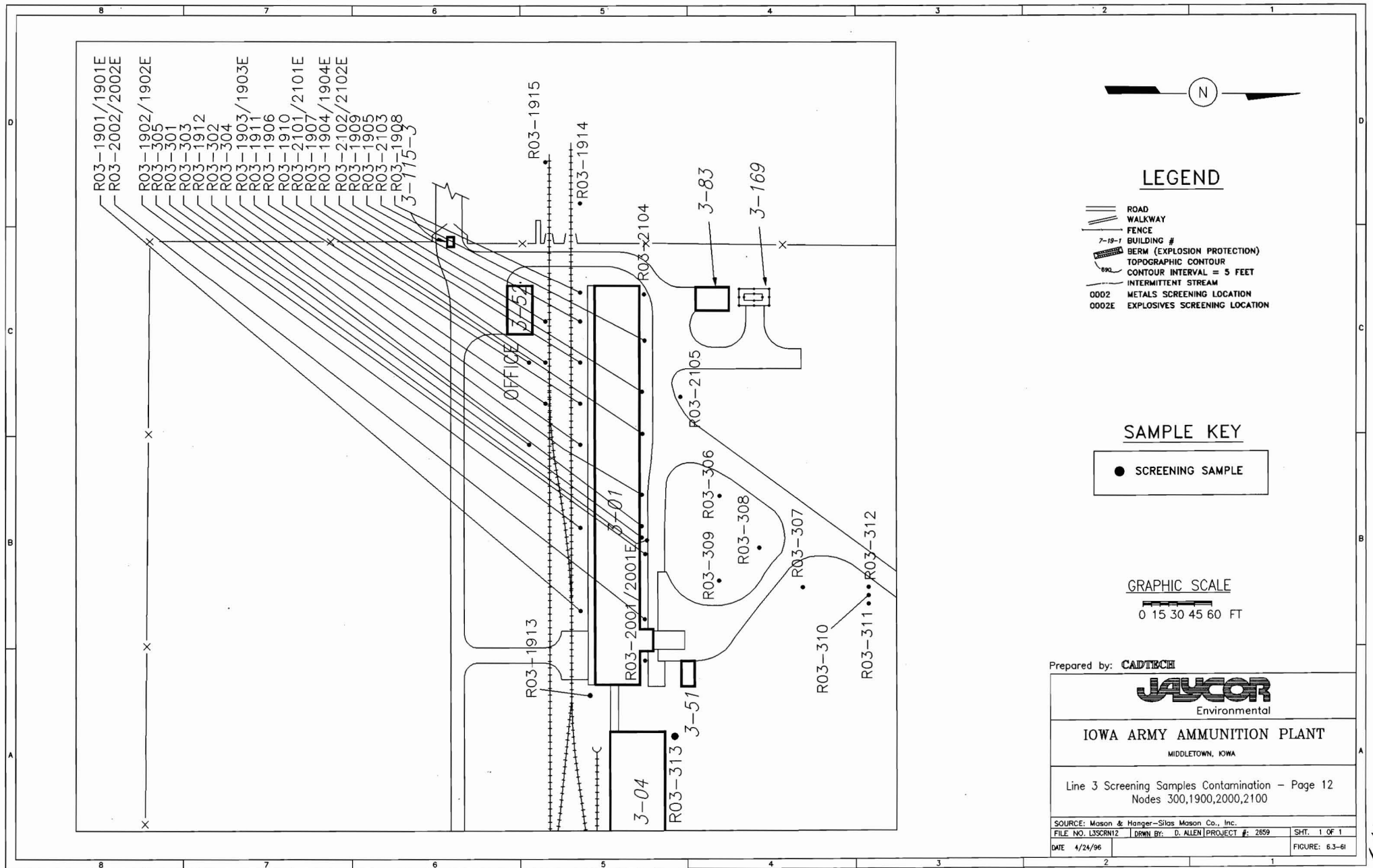
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples - Page 11
Nodes 1700,1800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.	FILE NO. L3SCRN11	DRAWN BY: D. ALLEN	PROJECT #: 2659	SHT. 1 OF 1
DATE 4/24/96				FIGURE: 6.3-6A

15-51



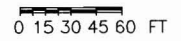
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION

SAMPLE KEY

- SCREENING SAMPLE

GRAPHIC SCALE



Prepared by: CADTECH

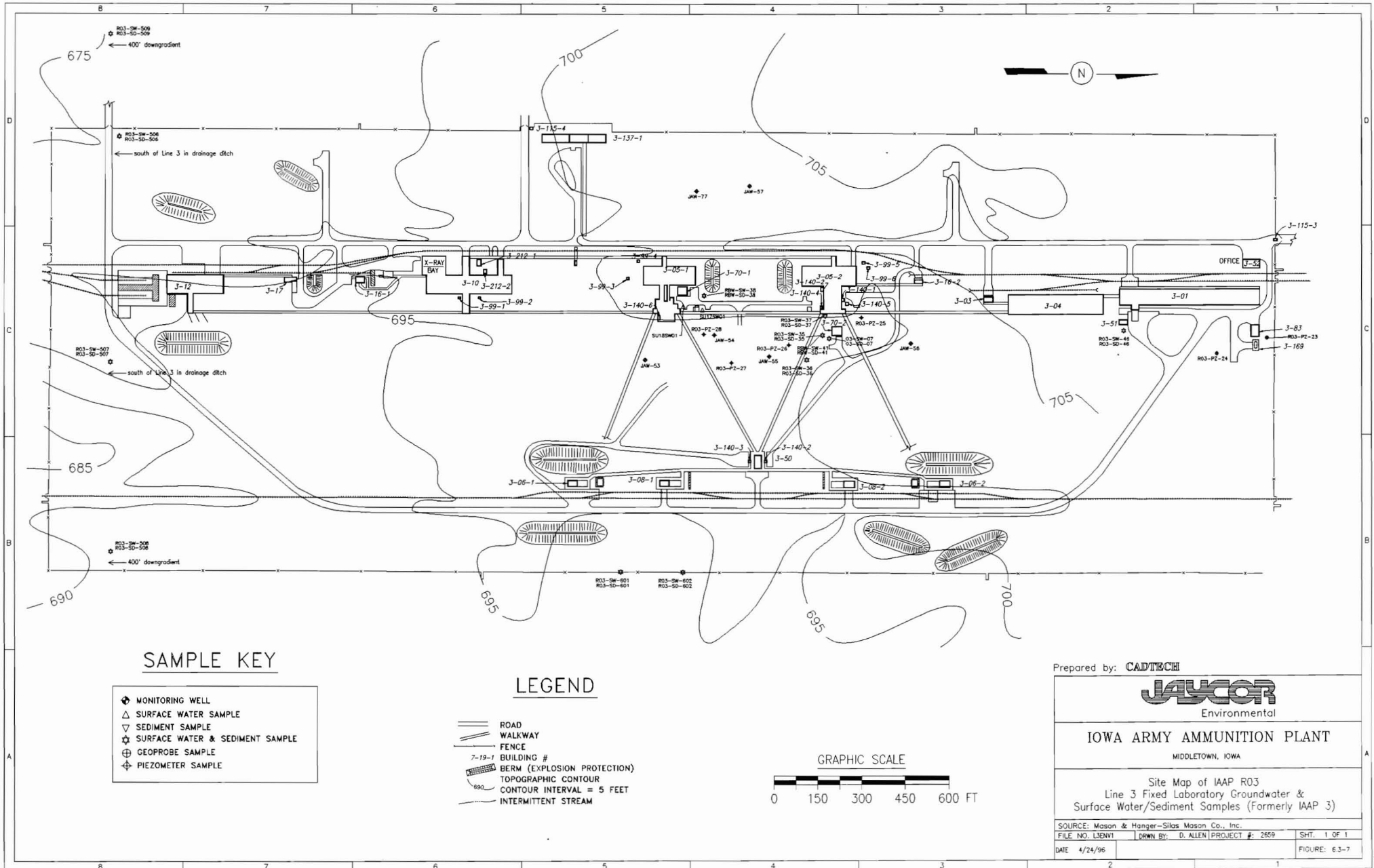
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 12
Nodes 300,1900,2000,2100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L3SCRN12	DRWN BY: D. ALLEN	PROJECT #: 2859	
DATE 4/24/96			FIGURE: 6.3-6f

51



SAMPLE KEY

- ◆ MONITORING WELL
- △ SURFACE WATER SAMPLE
- ▽ SEDIMENT SAMPLE
- ⊠ SURFACE WATER & SEDIMENT SAMPLE
- ⊕ GEOPROBE SAMPLE
- ⊖ PIEZOMETER SAMPLE

LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

GRAPHIC SCALE



Prepared by: CADTECH

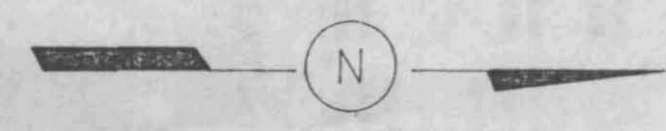
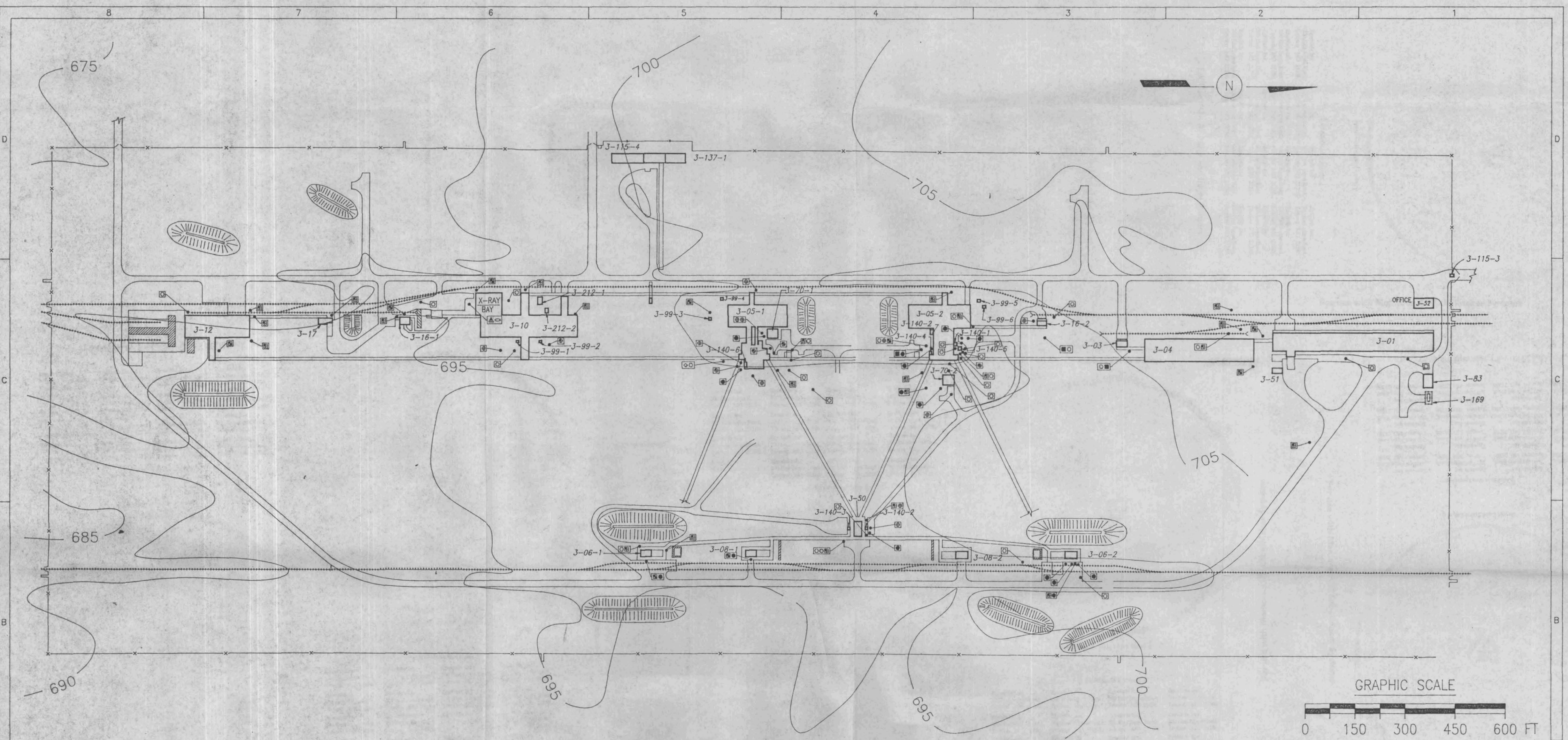


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

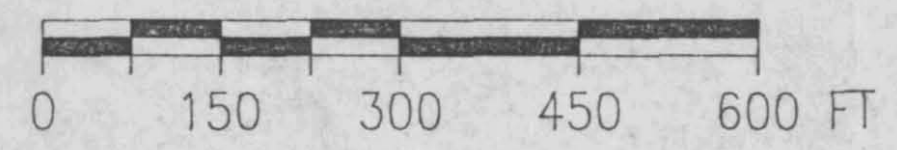
Site Map of IAAP R03
Line 3 Fixed Laboratory Groundwater &
Surface Water/Sediment Samples (Formerly IAAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1
FILE NO. L3ENV1	DRAWN BY: D. ALLEN PROJECT #: 2659	FIGURE: E.3-7
DATE 4/24/96		

9-51



GRAPHIC SCALE



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊕	⊞	⊟	⊠
Explosives	○	⊕	⊞	⊟	⊠
Volatiles	◇	⊕	⊞	⊟	⊠
Semi-volatiles	◊	⊕	⊞	⊟	⊠
Pest/PCBs	◌	⊕	⊞	⊟	⊠
Radionuclides	△	⊕	⊞	⊟	⊠

Prepared by: CADTECH

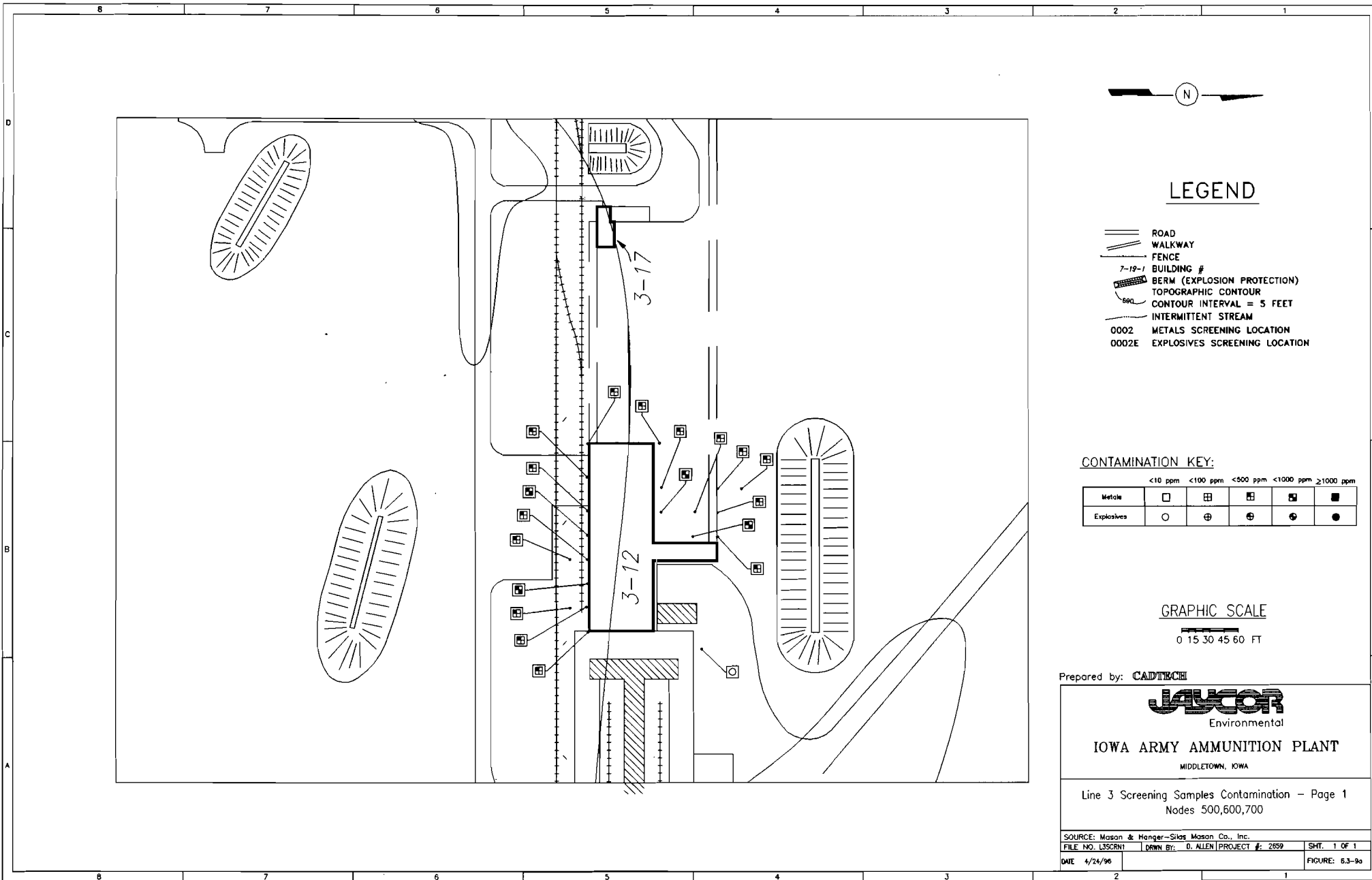


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAP R03
Line 3 Soils Contamination
(Formerly IAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SL1	DRWN BY: D. ALLEN	PROJECT #: 2659
DATE 4/23/96		SHT. 1 OF 1
		FIGURE: 6.3-8

11/951



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	>1000 ppm
Metals	□	▣	▤	▥	▦
Explosives	○	⊕	⊗	⊘	⊙

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: CAI/TECH

JAYCOR
Environmental

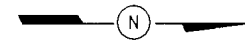
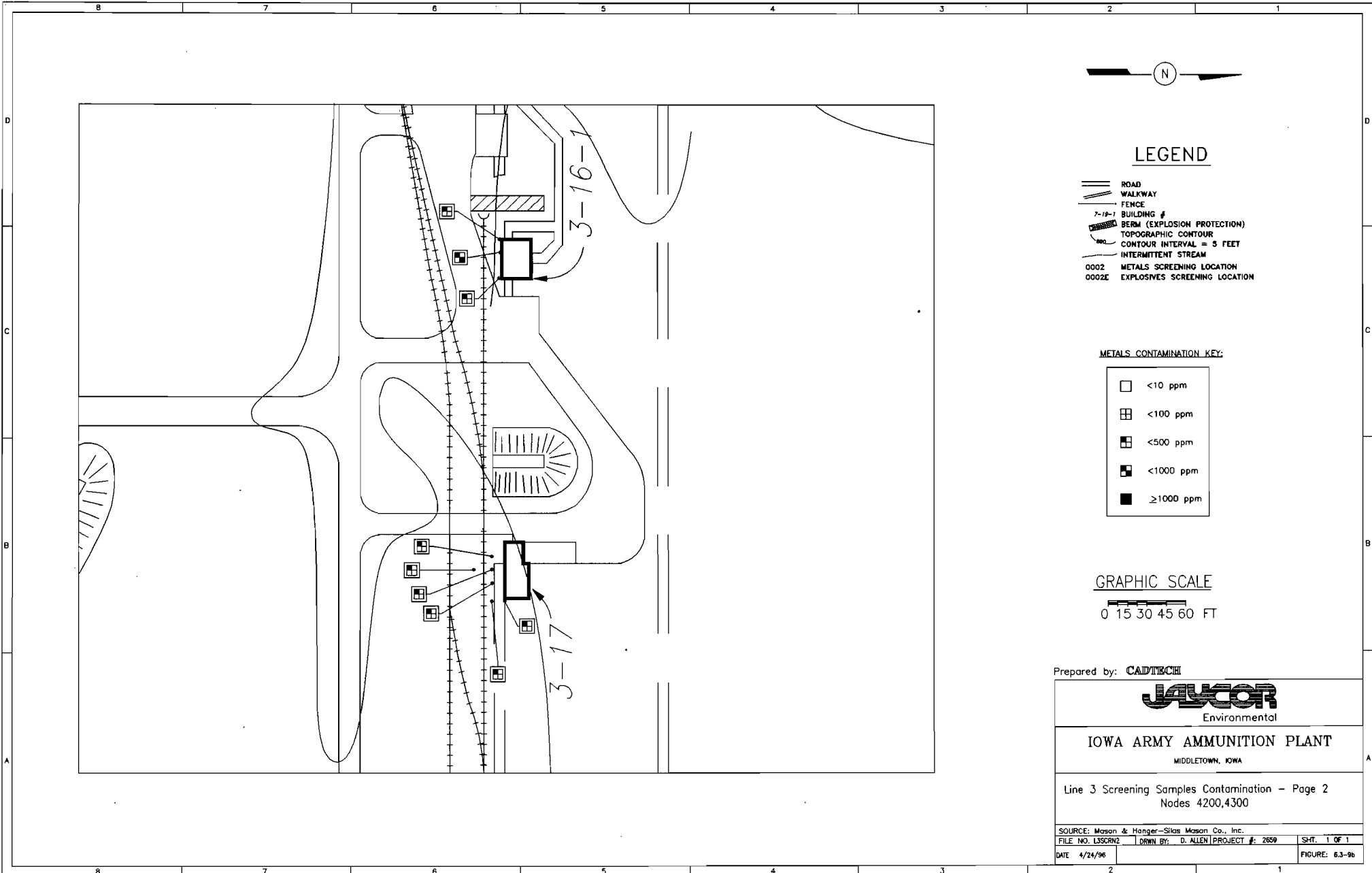
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 1
Nodes 500,600,700

SOURCE: Mason & Hanger-Silos Mason Co., Inc.
FILE NO. L3SCRN1 | DRAWN BY: D. ALLEN | PROJECT #: 2699 | SHEET: 1 OF 1
DATE: 4/24/96 | FIGURE: 6.3-9a

157



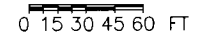
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

METALS CONTAMINATION KEY:

- <10 ppm
- <100 ppm
- <500 ppm
- <1000 ppm
- ≥1000 ppm

GRAPHIC SCALE



Prepared by: CADTECH

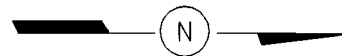
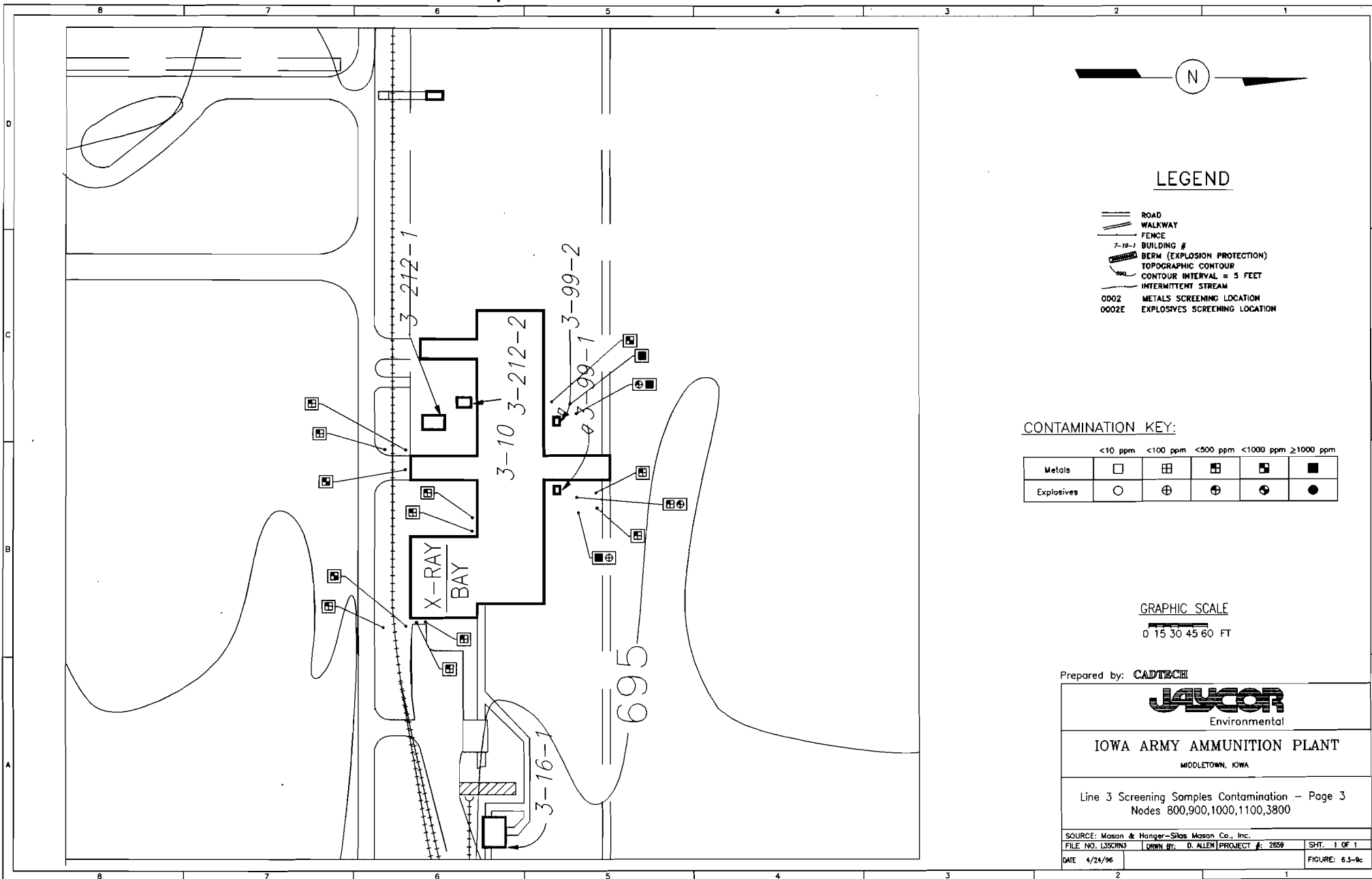
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 2
Nodes 4200,4300

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			SHT. 1 OF 1	
FILE NO. L3SCRN2	DRWN BY: D. ALLEN	PROJECT #: 2659		
DATE 4/24/96			FIGURE: 6.3-9b	

8-51



LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: CADTECH



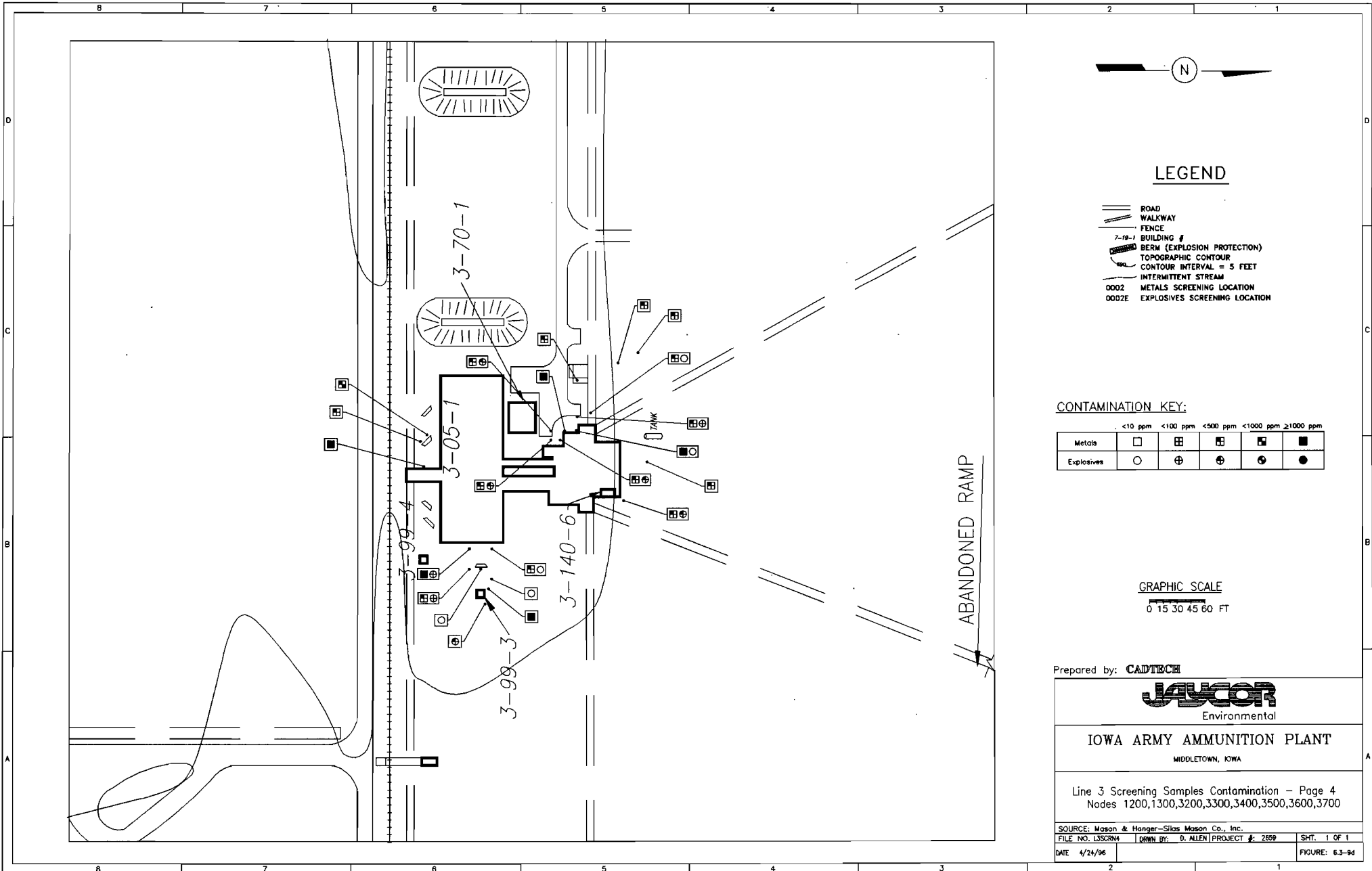
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 3
Nodes 800,900,1000,1100,3800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L330R3	DRAWN BY: D. ALLEN	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/24/96			FIGURE: 6.3-9c

b-5



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊕	⊕	⊕	■
Explosives	○	⊕	⊕	⊕	●

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: **CADTECH**

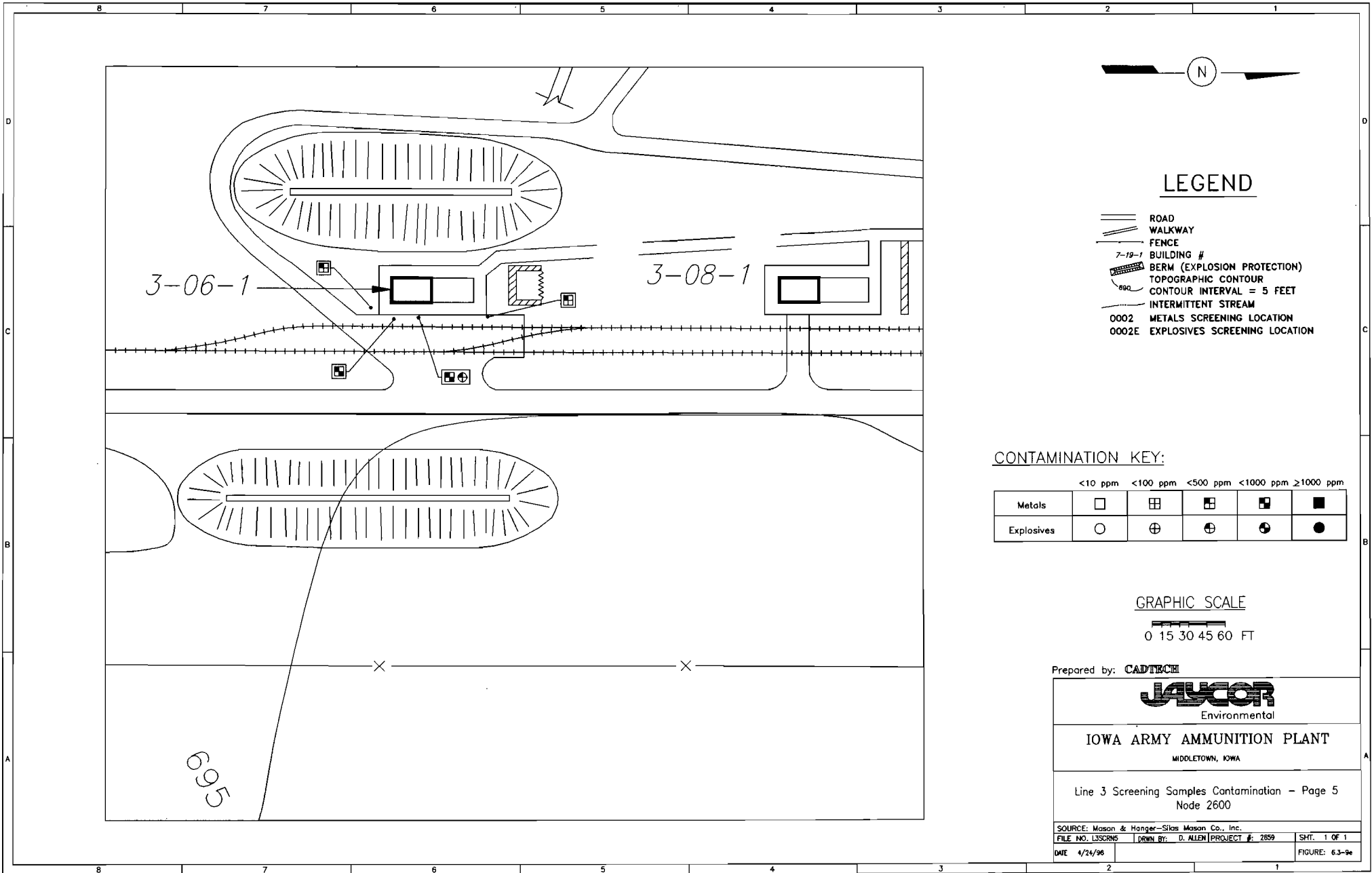


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 4
Nodes 1200,1300,3200,3300,3400,3500,3600,3700

SOURCE: Mason & Hanger-Silas Mason Co., Inc.	FILE NO. L3SCRN4	DRAWN BY: D. ALLEN	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/24/96				FIGURE: 6.3-8d

16



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊞	⊞	⊞	■
Explosives	○	⊕	⊕	⊕	●

GRAPHIC SCALE

0 15 30 45 60 FT

Prepared by: CADTECH

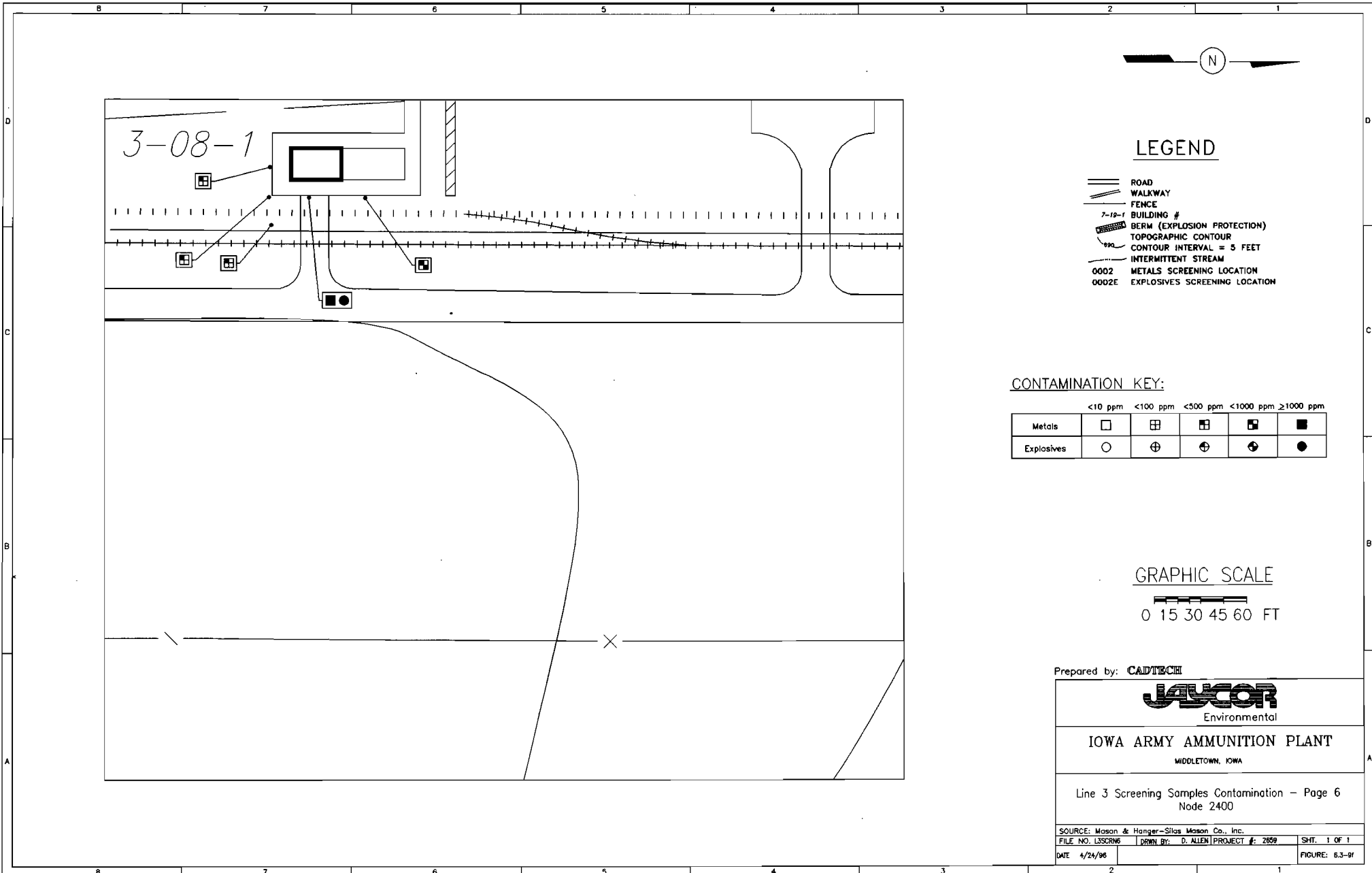
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

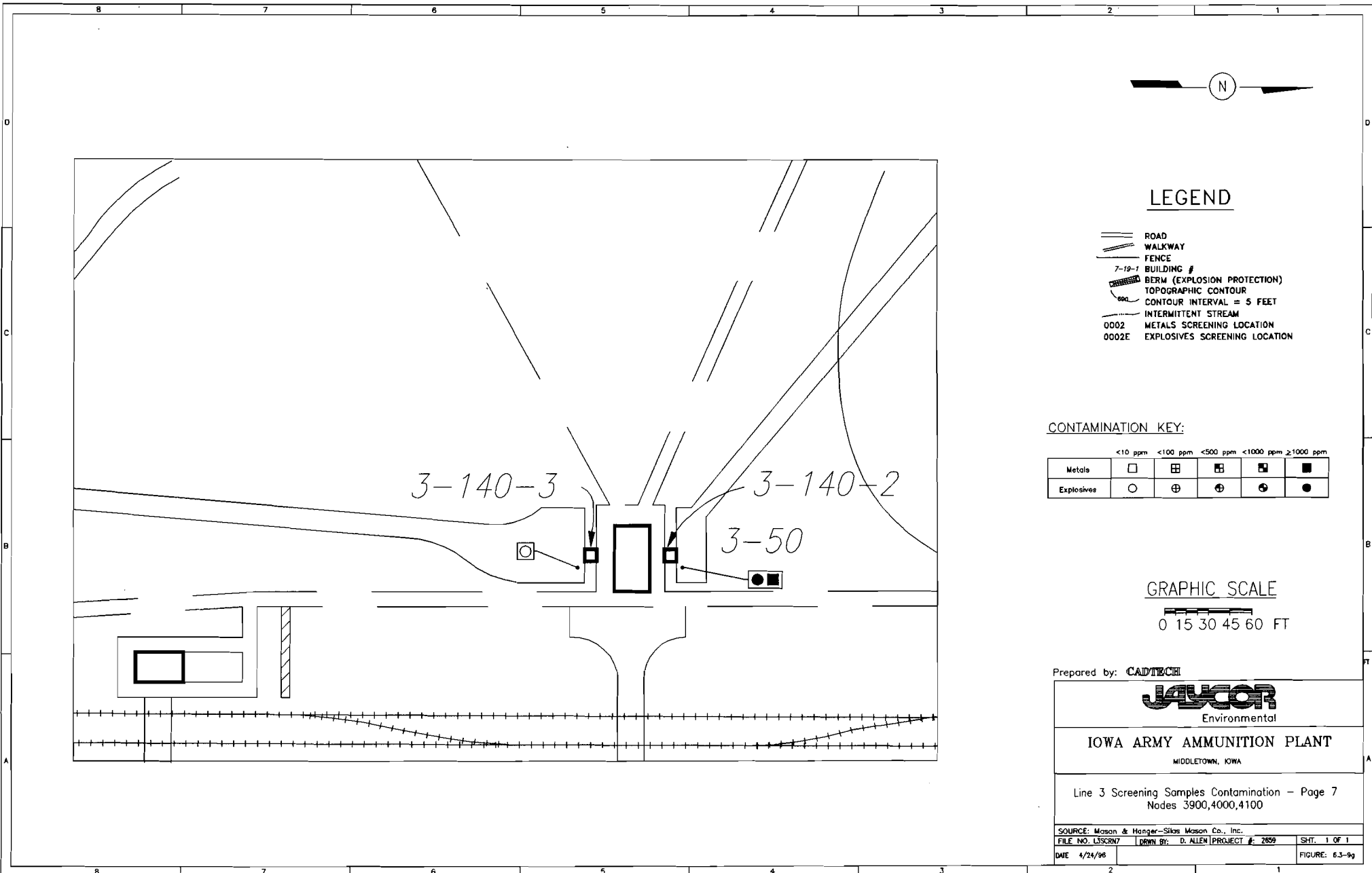
Line 3 Screening Samples Contamination - Page 5
Node 2600

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SCRNS	DRAWN BY: D. ALLEN	PROJECT #: 2859
DATE 4/24/98	SHT. 1 OF 1	
		FIGURE: 6.3-9e

191



162



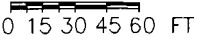
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	▣	▤	▥	■
Explosives	○	⊕	⊗	⊘	●

GRAPHIC SCALE



Prepared by: CADTECH

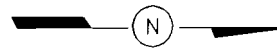
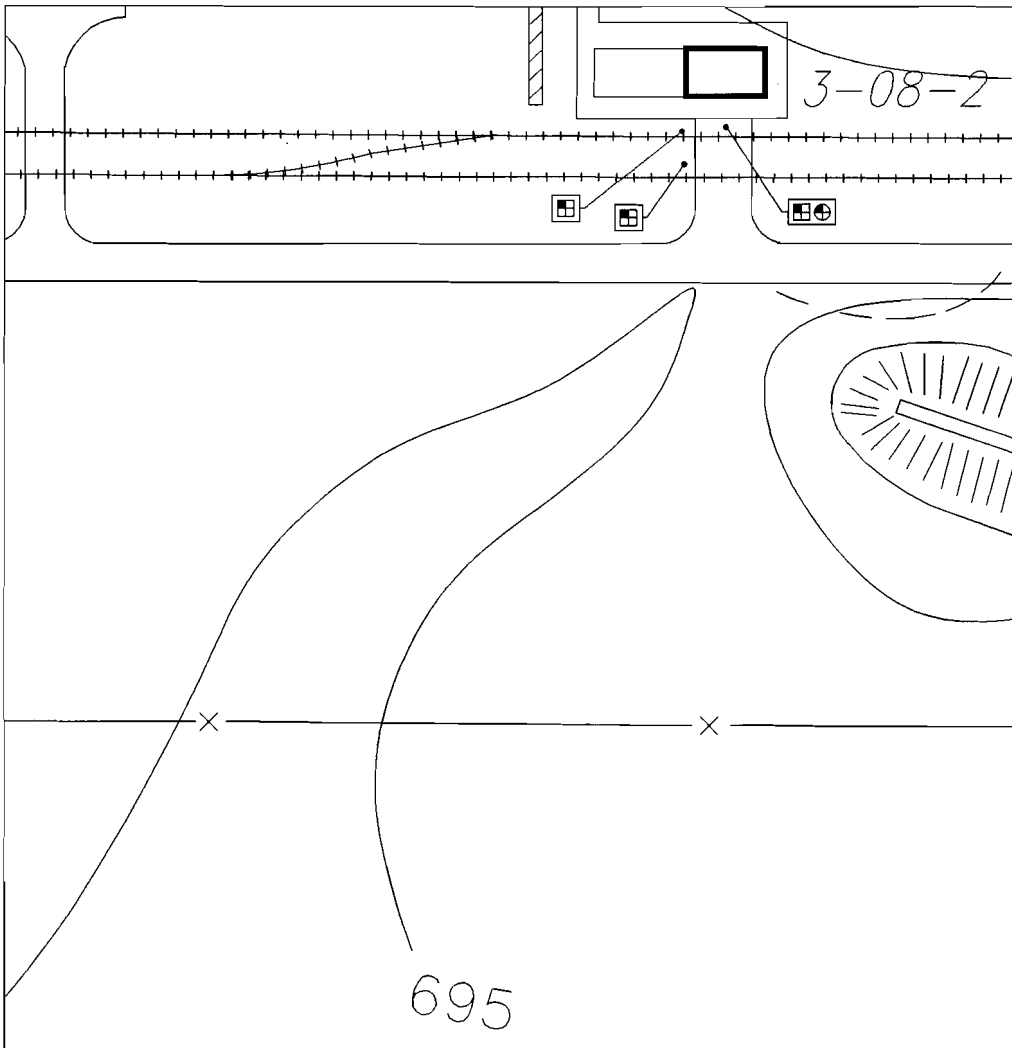


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 7
Nodes 3900,4000,4100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1	
FILE NO. L3SCRN7	DRAWN BY: D. ALLEN	PROJECT #: 2659	FIGURE: 6.3-9g
DATE 4/24/96			

163



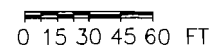
LEGEND

- ROAD
- WALKWAY
- FENCE
- BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- METALS SCREENING LOCATION
- EXPLOSIVES SCREENING LOCATION


CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



Prepared by: **CADTECH**

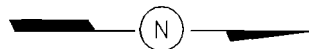
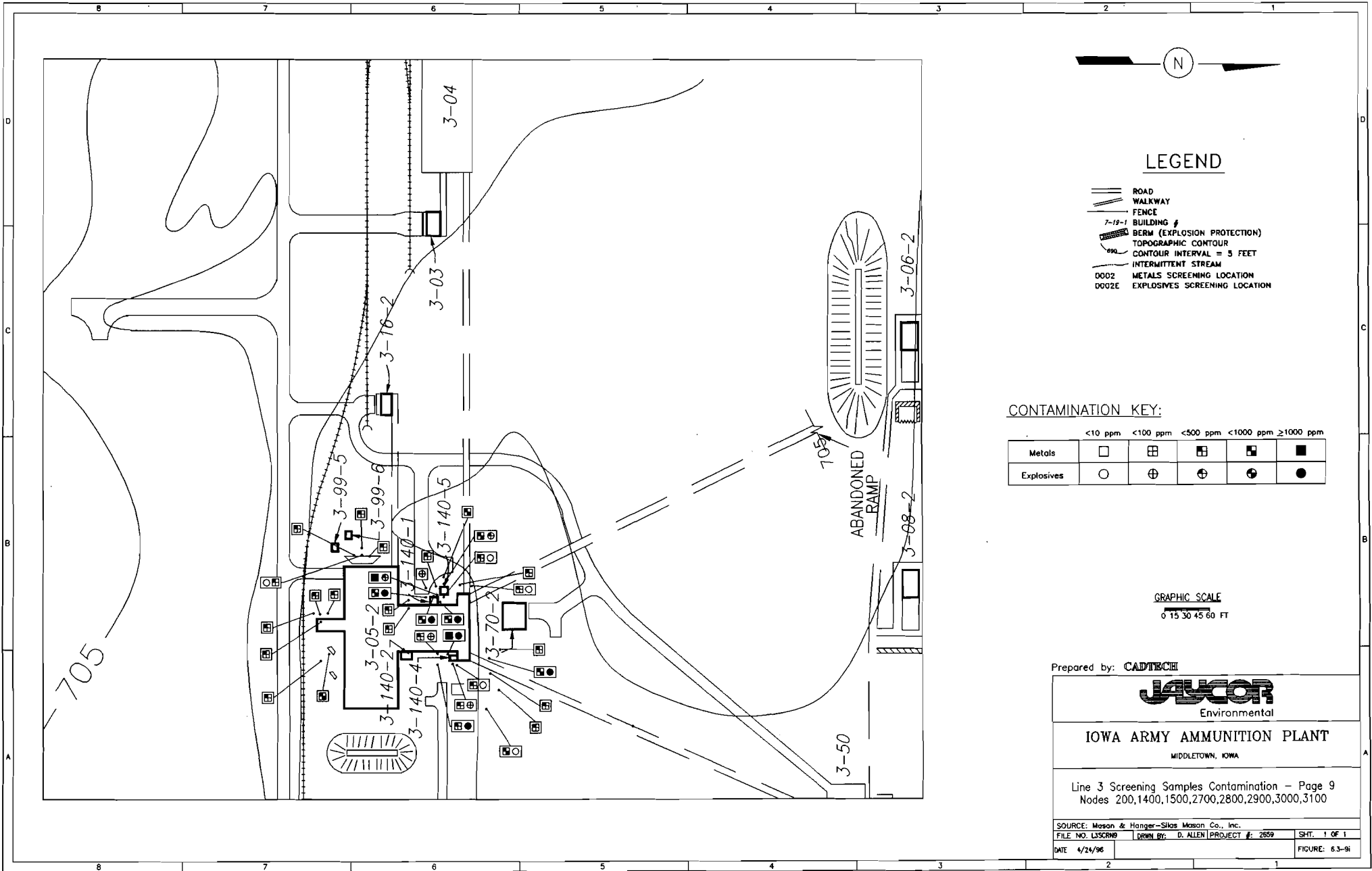


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 8
Node 2200

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SH: 1 OF 1
FILE NO. L3SCRNB	DRAWN BY: D. ALLEN PROJECT #: 2859	
DATE: 4/24/96		FIGURE: 6.3-9h

164



LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	⊕	⊕	⊕	■
Explosives	○	⊕	⊕	⊕	●

GRAPHIC SCALE
0 15 30 45 60 FT

Prepared by: CADTECH

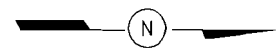
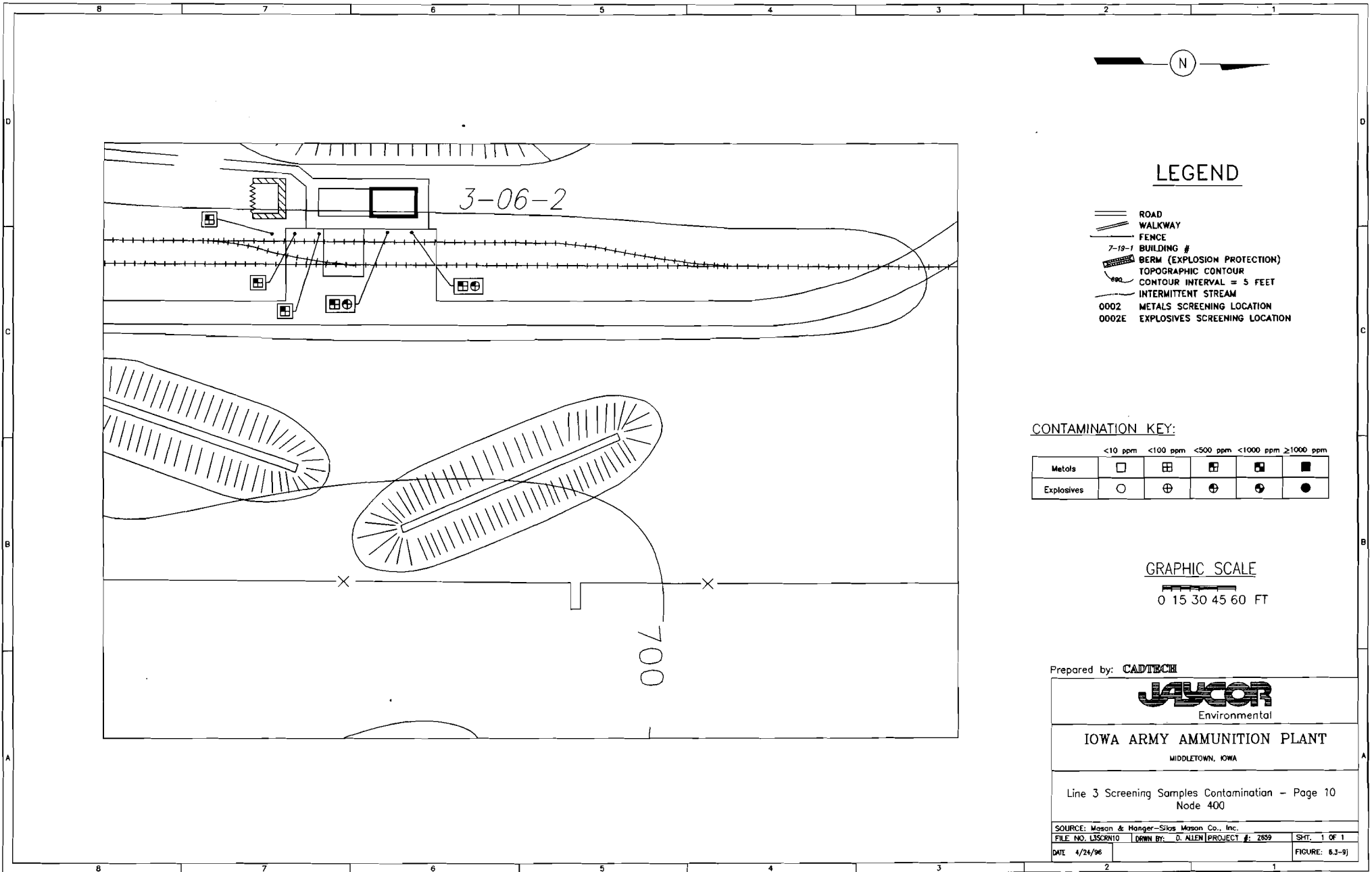


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 9
Nodes 200,1400,1500,2700,2800,2900,3000,3100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. L3SCR99	DRWN BY: D. ALLEN	PROJECT #: 2859	SHT. 1 OF 1
DATE 4/24/96			FIGURE: 6.3-91

1591



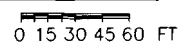
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	▣	▤	▥	▦
Explosives	○	⊕	⊗	⊘	●

GRAPHIC SCALE



Prepared by: CADTECH

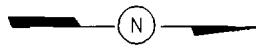


IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 10
Node 400

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. L3SCRN10	DRAWN BY: D. ALLEN PROJECT #: 2859	SHT. 1 OF 1
DATE 4/24/96		FIGURE: 6.3-9J

166



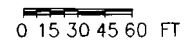
LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM
- 0002 METALS SCREENING LOCATION
- 0002E EXPLOSIVES SCREENING LOCATION

CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals					
Explosives					

GRAPHIC SCALE



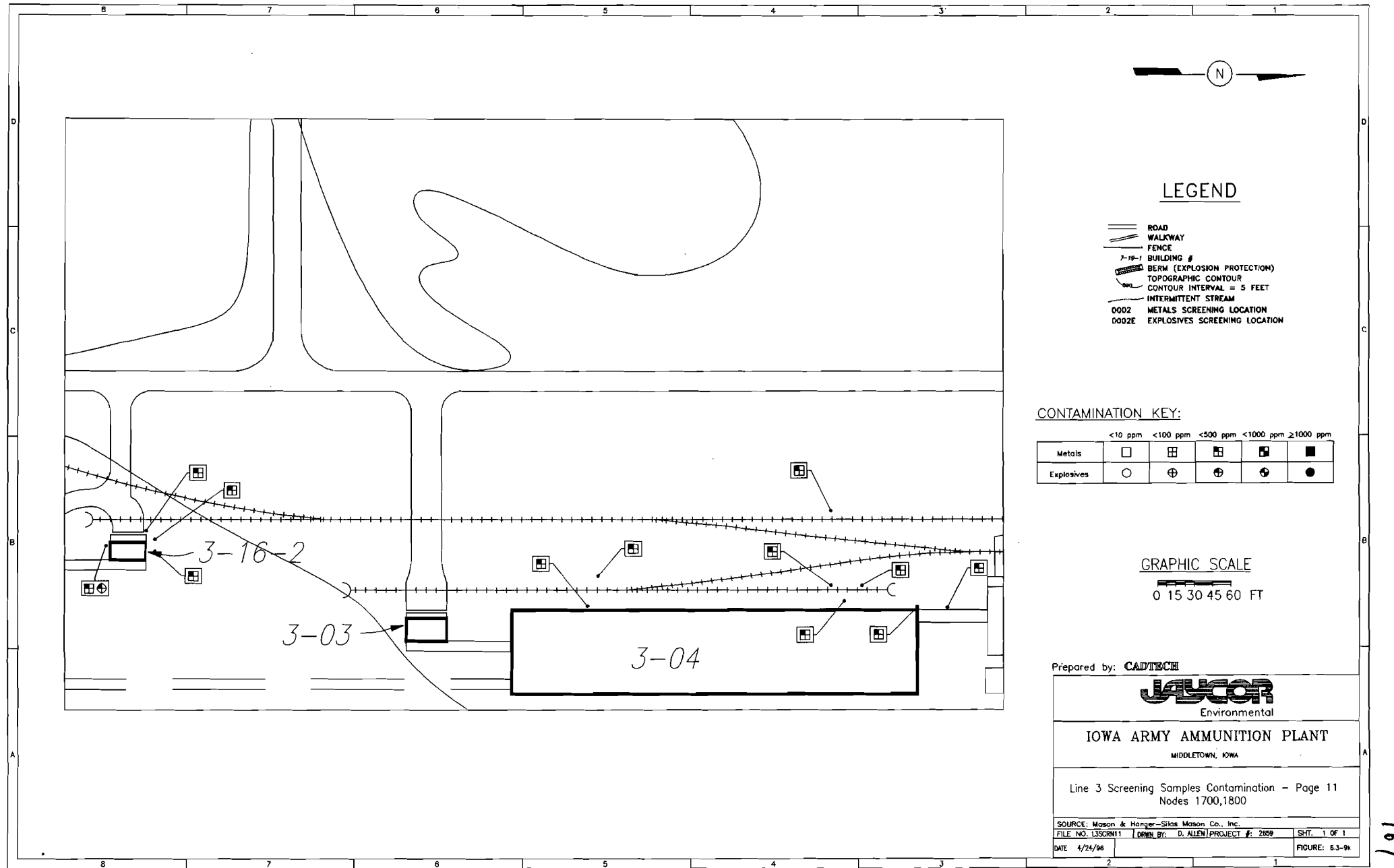
Prepared by: CADTECH



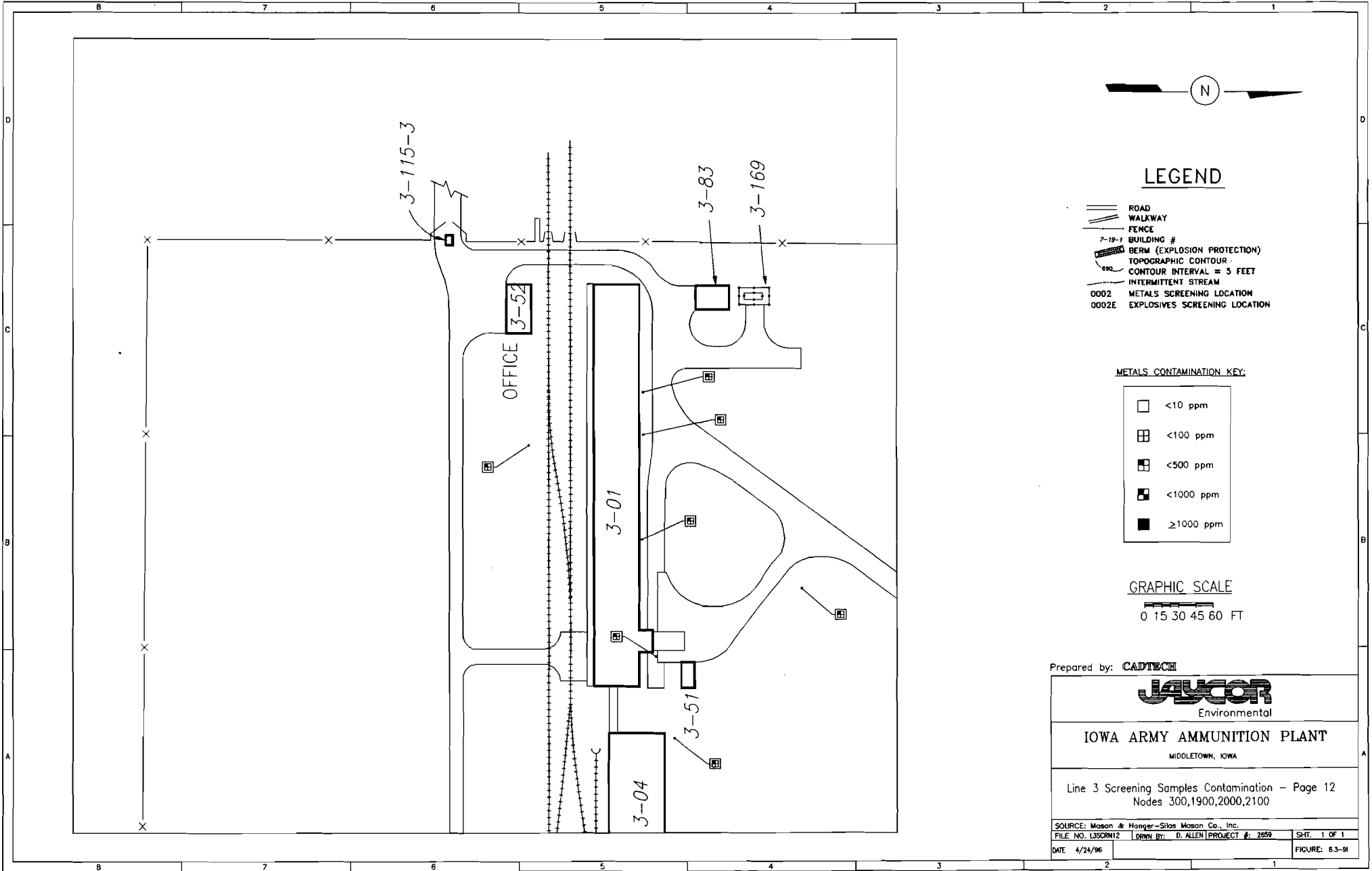
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 11
Nodes 1700,1800

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		
FILE NO. 13SCRN11	DRAWN BY: D. ALLEN	PROJECT #: 2899
DATE 4/24/98		SHT. 1 OF 1
		FIGURE: 6.3-98



167



Prepared by: CADTECH

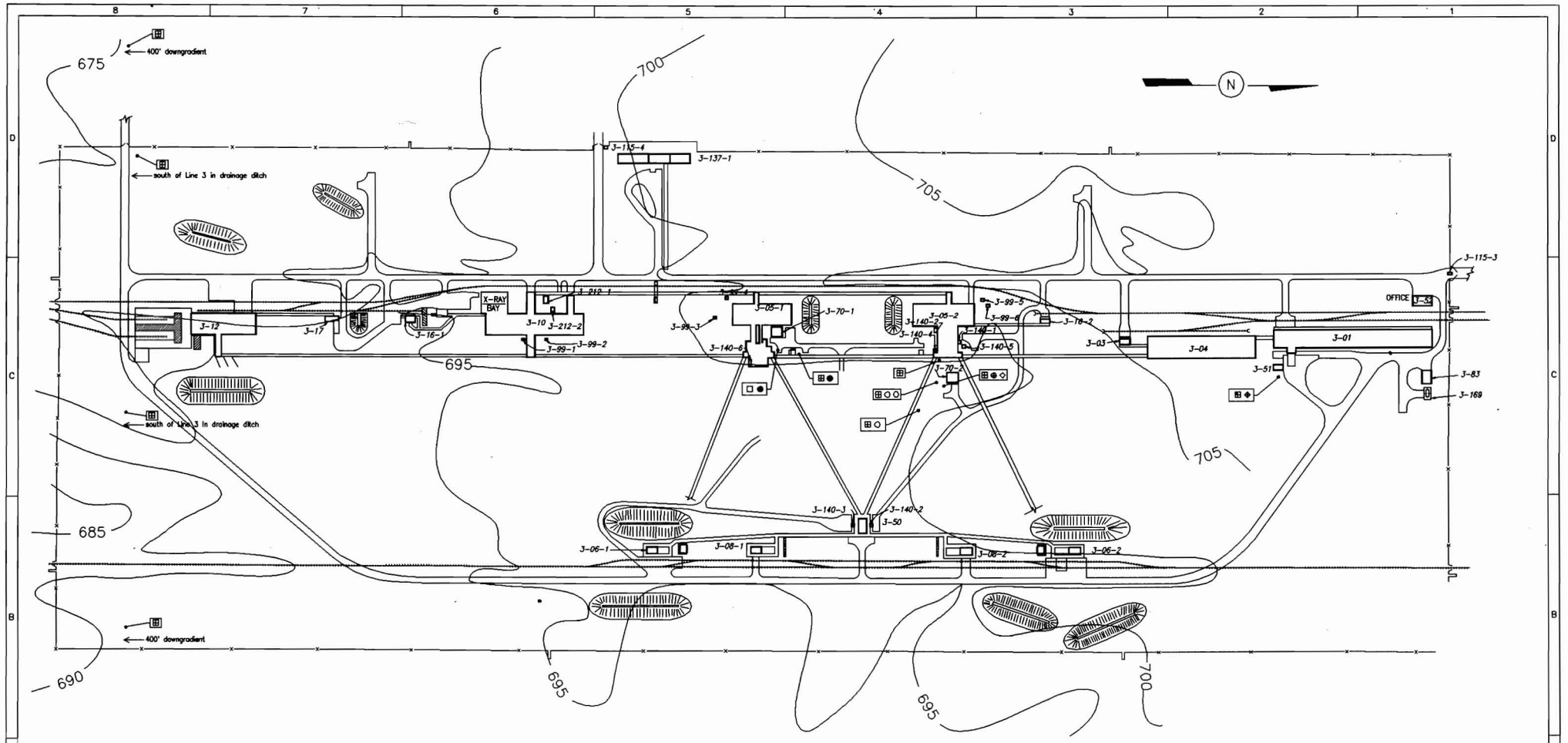
JAYCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Line 3 Screening Samples Contamination - Page 12
Nodes 300,1900,2000,2100

SOURCE: Mason & Hanger-Silas Mason Co., Inc.		SHT. 1 OF 1
FILE NO. L3SCRW12	DRAWN BY: D. ALLEN PROJECT #: 2659	
DATE: 4/24/96		FIGURE: 6.3-81

168



CONTAMINATION KEY:

	<10 ppm	<100 ppm	<500 ppm	<1000 ppm	≥1000 ppm
Metals	□	▣	▤	▥	▦
Explosives	○	⊕	⊕	⊕	●
Volatiles	◇	⊕	⊕	⊕	◆
Semi-volatiles	○	⊕	⊕	⊕	●

NOTE:

1. ALL SURFACE WATER CONTAMINATIONS ARE IN PPB.

LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM

GRAPHIC SCALE



Prepared by: **CADTECH**



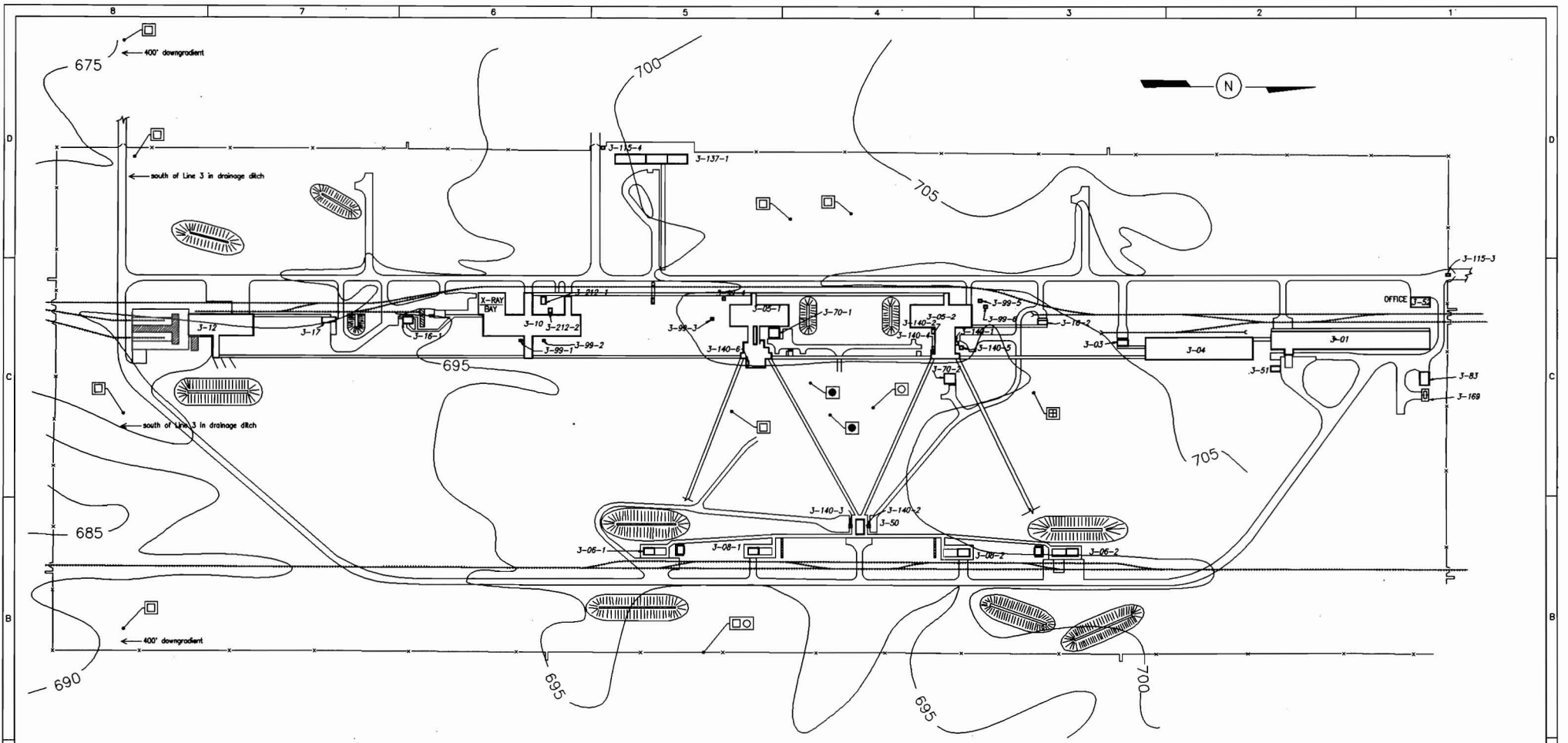
IOWA ARMY AMMUNITION PLANT

MIDDLETOWN, IOWA

Site Map of IAAP R03
Line 3 Surface Water/Sediment Contamination
(Formerly IAAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.
FILE NO. L2EN1 | DRAWN BY: D. ALLEN | PROJECT #: 2859 | SHT. 1 OF 1
DATE 4/24/96 | FIGURE: 6.3-10

191

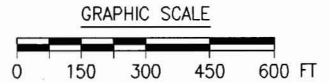


CONTAMINATION KEY:

	<10 ppb	<100 ppb	<500 ppb	<1000 ppb	≥1000 ppb
Metals	□	▣	⊞	⊠	⊡
Explosives	○	⊕	⊗	⊙	⦿

LEGEND

- ROAD
- WALKWAY
- FENCE
- 7-19-1 BUILDING #
- BERM (EXPLOSION PROTECTION)
- TOPOGRAPHIC CONTOUR
- CONTOUR INTERVAL = 5 FEET
- INTERMITTENT STREAM



Prepared by: **CADTECH**

JAVCOR
Environmental

IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

Site Map of IAAP R03
Line 3 Groundwater Contamination
(Formerly IAAP 3)

SOURCE: Mason & Hanger-Silas Mason Co., Inc.
FILE NO. L3EN1 | DRAWN BY: D. ALLEN | PROJECT #: 2659 | SHEET: 1 OF 1
DATE: 4/24/96 | FIGURE: 6.3-11

170

**Table 6.3-1
Sample Summary
Line 3 (R03)**

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
03-SS-01-01	SI	Explosives, Metals SVOCs, VOCs	C	A	0.0-0.5	N of baghouse by Building 3-01.
03-SA-02-01	SI	Explosives, Metals SVOCs, VOCs	C	A	0.0-1.0	22' N of Building 3-70-2 near a discharge pipe.
03-SA-03-01	SI	Explosives, Metals SVOCs, VOCs	C	A	3.0-4.0	7' S of the Settling Tank 3-163-2.
03-SA-04-01	SI	Explosives, Metals SVOCs, VOCs	C	A	0.0-2.0	10' N of Building 3-70-2.
03-SA-05-01	SI	Explosives, Metals SVOCs, VOCs	C	A	0.0-1.0	24' S of Building 3-163-2.
03-SS-06-01	SI	VOCs	G	A	0.5	50' S of Building 3-04, under walkway.
03-SD-07-01	SI	Explosives, Metals SVOCs, VOCs	G	A	0.5	28' SE of Building 3-70-2.
03-SW-07-01	SI	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to SD-07-01.
03-SA-08-01	SI	Explosives, Metals SVOCs, VOCs	G	A	1.0	Along E side of Building 3-70-2.
03-SA-09-01	SI	Explosives SVOCs, VOCs	C	A	0.0-1.0	Adjacent to the sump NE of Building 3-70-1.
03-SA-09-02	SI	Explosives, Metals SVOCs, VOCs	C	A	1.25-1.8	Same location as SA-09-01; sample depth adjusted from 18-24" due to refusal in fill.
03-SS-10-01	SI	Metals Radionuclides Pest./PCBs	G	A	0.5	4' N of Transformer Area 3-169-6.
03-SS-11-01	SI	Explosives, Metals	C	A	0.0-0.5	4 locations at 2 buildings (3-08-2 and 3-06-2).

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
03-SS-12-01	SI	Explosives, Metals	C	A	0.0-0.5	Composite from three aliquots spaced 5' apart near loading dock at Building 3-08-1.
R03-SS-01-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	E corner of connection point between Building 3-12 and new building to the N.
R03-SS-02-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	15' S of NW corner of Building 3-12, in front of northernmost loading dock.
R03-SS-03-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	15' S of NE corner of Building 3-17, adjacent to E wall.
R03-SS-04-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	12' N of NW corner of fire containment wall and 50' NW of NW corner of Building 3-16-1.
R03-SS-05-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	8' E of NW corner of X-ray Building.
R03-SS-06-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	E wall of Building 3-10, N of stairs.
R03-SS-07-01	I	Explosives, Metals SVOCs, VOCs	G	S	0.5	15' S of NW corner of Building 3-10, adjacent to wall.
R03-SS-08-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	45' SE of stairs on SE corner of Building 3-05-1.
R03-SS-09-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	40' N and 30' E of walkway 3-82-9
R03-SS-10-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	40' E of SE wall of Building 3-05-2.
R03-SS-11-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	6' N of intersection of Building 3-05-2 and northward extending walkway in center of walkway.
R03-SS-12-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	6' S and 20' E of NE corner of Building 3-16-2.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SS-13-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	4' E and 36' N of SE corner of Building 3-03.
R03-SS-14-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	115' S of SW corner of Building 3-01 and 20' W of Building 3-04.
R03-SS-15-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	45' E and 8' N of NE corner of Building 3-06-2.
R03-SS-16-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	62' S of SE corner of Building 3-06-2.
R03-SS-17-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	6' E of intersection between walkway and SW extension of Building 3-08-2.
R03-SS-18-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	6' N of SE corner of Building 3-08-2.
R03-SS-19-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	18' S of SE corner of Building 3-50.
R03-SS-20-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	105' S and 15' W of Building 3-08-1.
R03-SS-21-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	9' N of SW corner of Building 3-06-1.
R03-SS-22-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	4' N of NW corner of Building 3-06-1.
R03-PZ-23-01	I	Explosives	G	S	25.0	Groundwater sample corresponds to R03-GP-23-01.
R03-PZ-24-01	I	Explosives	G	S	18.0	Groundwater sample corresponds to R03-GP-24-01.
R03-PZ-25-01	I	Explosives	G	S	18.0	Groundwater sample corresponds to R03-GP-25-01.
R03-PZ-26-01	I	Explosives	G	S	18.0	Groundwater sample corresponds to R03-GP-26-01.
R03-PZ-27-01	I	Explosives	G	S	18.0	Groundwater corresponds to R03-GP-27-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-PZ-28-01	I	Explosives	G	S	18.0	Groundwater sample corresponds to R03-GP-28-01.
R03-SW-35-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	27' SE of SE corner of Building 3-70-2.
R03-SD-35-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to sample R03-SW-35-01.
R03-SW-36-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	135' E of Line 3-82-9.
R03-SD-36-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to sample R03-SW-36-01.
R03-SW-37-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	In drainage pathway running underneath walkway which connects Building 3-140-6 to Building 3-140-2, E of road.
R03-SD-37-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to sample R03-SW-37-01.
R03-SA-38-01	I	SVOCs, VOCs	G	A	4.0	1' from loading dock on W face of Building 3-03; corresponds to survey point R03-01.
R03-SA-41-01	I	SVOCs, VOCs	G	A	4.0	1' S of Building 3-03, corresponds to survey point R03-04.
R03-SS-44-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-1201-E-01.
R03-SS-45-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-3301-E-01.
R03-SW-46-01	I	Explosives, Metals SVOCs, VOCs	G	A	N/A	63' S of SE corner of Building 3-70-2.
R03-SD-46-01	I	Explosives, Metals SVOCs, VOCs	G	A	0.5	Corresponds to R03-SW-46-01.
R03-SS-47-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-4201-E-01.
R03-SS-48-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-2707-E-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SS-49-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-901-E-01.
R03-SS-50-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-2805-E-01.
R03-SS-51-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-1001-E-01.
R03-SS-52-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2702-E-02.
R03-SS-53-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2701-E-02.
R03-SS-54-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-2709-E-01.
R03-SA-55-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2601-E-02.
R03-SA-56-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2401-E-02.
R03-SA-57-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-3201-E-02.
R03-SA-58-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-1701-E-02.
R03-SS-59-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-4204-M-01.
R03-SS-60-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-707-M-01.
R03-SS-61-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-708-M-01.
R03-SS-62-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-506-M-01.
R03-SS-63-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-509-M-01.
R03-SA-64-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-2002-M-02.
R03-SA-65-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-401-M-02.
R03-SS-66-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-803-M-01.
R03-SS-67-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-804-M-01.
R03-SA-68-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3501-M-02.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SA-69-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3601-M-02.
R03-SS-72-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-3502-M-01.
R03-SA-73-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-2601-M-02.
R03-SA-74-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-2401-M-02.
R03-SA-75-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2705-E-02.
R03-SA-76-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2707-E-02.
R03-SA-77-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-2710-E-02.
R03-SA-78-01	I	Explosives	G	S	1.5	Explosives confirmatory sample for R03-1402-E-02.
R03-SA-79-01	I	Explosives	G	S	1.5	Explosives confirmatory sample for R03-2902-E-02.
R03-SA-80-01	I	Explosives	G	S	1.5	Explosives confirmatory sample for R03-3001-E-02.
R03-SA-81-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-3002-E-02.
R03-SA-82-01	I	Explosives	G	S	1.0	Explosives confirmatory sample for R03-3003-E-02.
R03-SS-83-01	I	Explosives	G	S	0.5	Explosives confirmatory sample for R03-1309-E-01.
R03-SA-84-01	I	Explosives	G	S	3.0	Explosives confirmatory sample for R03-3601-E-04.
R03-SS-85-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-2905-M-01.
R03-SA-86-01	I	Metals	G	S	3.0	Metals confirmatory sample for R03-1301-M-04.
R03-SS-87-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-1306-M-01.
R03-SS-88-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-306-M-01.
R03-SA-89-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-21-4-M-02.
R03-SA-90-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-2902-M-02.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SS-91-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-3003-M-01.
R03-SS-92-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-2909-M-01.
R03-SS-93-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-1404-M-01.
R03-SA-94-01	I	Explosives	G	S	2.0	Explosives confirmatory sample for R03-1002-E-03.
R03-SS-95-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-1807-M-01.
R03-SA-96-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1807-M-02.
R03-SS-97-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-1808-M-01.
R03-SA-98-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1809-M-02.
R03-SA-99-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4309-M-02.
R03-SA-100-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4209-M-02.
R03-SA-101-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4302-M-02.
R03-SS-102-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-4306-M-01.
R03-SA-103-01	I	Metals	G	S	2.0	Metals confirmatory sample for R03-1802-M-03.
R03-SA-104-01	I	Metals	G	S	2.0	Metals confirmatory sample for R03-1805-M-03.
R03-SA-105-01	I	Metals	G	S	3.0	Metals confirmatory sample for R03-504-M-04.
R03-SA-106-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-209-M-02.
R03-SA-107-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-210-M-02.
R03-SS-108-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-515-M-01.
R03-SA-109-01	I	Metals	G	S	3.0	Metals confirmatory sample for R03-703-M-04.
R03-SA-110-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1712-M-02.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SS-111-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-711-M-01.
R03-SA-112-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1911-M-02.
R03-SA-113-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1912-M-02.
R03-SA-114-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-512-M-02.
R03-SS-115-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-3607-M-01.
R03-SA-116-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3607-M-02.
R03-SA-117-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3608-M-02.
R03-SA-118-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3707-M-02.
R03-SA-119-01	I	Metals	G	S	3.0	Metals confirmatory sample for R03-403-M-04.
R03-SA-120-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4001-M-02.
R03-SA-121-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-3903-M-02.
R03-SA-122-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4003-M-02.
R03-SS-123-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-4210-M-01.
R03-SA-124-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-4305-M-02.
R03-SS-126-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-310-M-01.
R03-SA-127-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-310-M-02.
R03-SA-128-01	I	Metals	G	S	2.0	Metals confirmatory sample for R03-3801-M-03.
R03-SA-129-01	I	Metals	G	S	2.0	Metals confirmatory sample for R03-3803-M-03.
R03-SA-130-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-805-M-02.
R03-SA-131-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-1003-M-02.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SA-132-01	I	Metals	G	S	1.0	Metals confirmatory sample for R03-312-M-02.
R03-SS-133-01	I	Metals	G	S	0.5	Metals confirmatory sample for R03-313-M-01.
R03-SS-134-01	I	Explosives	G	S	0.0	Explosives confirmatory sample for R03-4101-E-01 (originally Sample R03-SS-46. Sample ID changed to avoid confusion with Sample R03-SD-46).
R03-GW-501-01	II	Explosives, Metals	G	A	4.4	JAW-53 located approximately 160' SE of Building 3-140-6.
R03-SA-501-01	II	Explosives, Metals	G	A	10.0	Soil sample collected from JAW-53.
R03-GW-502-01	II	Explosives, Metals	G	A	4.2	JAW-54 located approximately 120' NE of Building 3-140-6.
R03-SA-502-01	II	Explosives, Metals	G	A	15.0	Soil sample collected from JAW-54.
R03-GW-503-01	II	Explosives, Metals	G	A	4.9	JAW-55 located approximately 200' SE of Building 3-05-2.
R03-SA-503-01	II	Explosives, Metals	G	A	13.0	Soil sample collected from JAW-55.
R03-GW-504-01	II	Explosives, Metals	G	A	4.7	JAW-56 located approximately 120' NE of Building 3-05-2.
R03-SA-504-01	II	Explosives, Metals	G	A	12.5	Soil sample collected from JAW-56.
R03-GW-505-01	II	Explosives, Metals	G	A	7.0	JAW-57 located approximately 170' W of Building 3-05-2.
R03-SA-505-01	II	Explosives, Metals	G	A	11.0	Soil sample collected from JAW-57.
R03-GW-506-01	II	Explosives, Metals	G	A	6.3	JAW-77 located approximately 220' W of Building 3-05-1.
R03-SA-506-01	II	Explosives, Metals	G	A	15.0	Soil sample collected from JAW-77.
R03-SW-506-01	II	Explosives, Metals	G	A	0.0	S of Line 3 in a drainage ditch.
R03-SD-506-01	II	Explosives, Metals	G	A	0.5	Corresponds to R03-SW-506-01.
R03-SW-507-01	II	Explosives, Metals	G	A	0.0	S of Line 3 in a drainage ditch.
R03-SD-507-01	II	Explosives, Metals	G	A	0.5	Corresponds to R03-SW-507-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SW-508-01	II	Explosives, Metals	G	A	0.0	400' downgradient of RBW-39-01, immediately E of railroad tracks.
R03-SD-508-01	II	Explosives, Metals	G	A	0.5	Corresponds to R03-SW-508-01.
R03-SW-509-01	II	Explosives, Metals	G	A	0.0	400' upgradient of RBW-42-01.
R03-SD-509-01	II	Explosives, Metals	G	A	0.5	Corresponds to R03-SW-509-01.
SU-17-SS-01-01	SS	Explosives, Metals	G	A	0.5	NE corner of sump located approximately 50' N of Building 3-05-1.
SU-17-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.7	Collocated with SU-17-SS-01-01.
SU-17-SS-02-01	SS	Explosives, Metals	G	A	0.5	W corner of sump located approximately 50' N of Building 3-05-01.
SU-17-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.7	Collocated with SU-17-SS-02-01.
SU-17-SW-01-01	SS	Explosives, Metals	G	A	0.0	Water collected within sump 17.
SU-18-SW-01-01	SS	Explosives, Metals	G	A	0.0	Water collected within sump 18.
SU-18-SS-01-01	SS	Explosives, Metals	G	A	0.5	Outfall at the NW corner of the sump located adjacent and N of Building 3-05-1.
SU-18-SA-01-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-18-SS-01-01.
SU-18-SS-02-01	SS	Explosives, Metals	G	A	0.5	SW corner of sump located adjacent and N of Building 3-05-1.
SU-18-SA-02-02	SS	Explosives, Metals, VOCs	G	A	2.8	Collocated with SU-18-SS-02-01.
SU-19-SS-01-01	SS	Explosives, Metals	G	A	0.5	W side of sump 3-140-6.
SU-19-SA-01-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-19-SS-01-01.
SU-19-SS-02-01	SS	Explosives, Metals	G	A	0.5	E side of sump 3-140-6.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
SU-19-SA-02-02	SS	Explosives, Metals, VOCs	G	A	3.1	Collocated with SU-19-SS-02-01.
SU-19-SS-03-01	SS	Explosives, Metals	G	A	0.5	Low area E of sump 3-140-6.
SU-19-SA-03-02	SS	Explosives, Metals	G	A	1.0	Collocated with SU-19-SS-03-01.
MELT-SS-02	M	Explosives, Metals	G	A	0.5	From basement of Melt Building 3-05-2.
MELT-SS-04	M	Explosives, Metals	G	A	0.5	From basement of Melt Building 3-05-2.
MELT-SS-04D	M	Explosives, Metals	G	A	0.5	Duplicate of MELT-SS-04.
MELT-SS-05	M	Explosives, Metals	G	A	0.5	From basement of Melt Building 3-05-2.
MELT-SW-07	M	Explosives, Metals	G	A	N/A	From basement of Melt Building 3-05-2.
MELT-SW-07D	M	Explosives, Metals	G	A	N/A	Duplicate of MELT-SW-07.
R03-SW-601-01	FO	Explosives, Metals	G	A	N/A	E fenceline of Line 3 where flow originating S of 3-08-1 exits the line.
R03-SD-601-01	FO	Explosives, Metals	G	A	0.5	Collocated with R03-SW-601-01.
R03-SW-602-01	FO	Explosives, Metals	G	A	N/A	E fenceline of Line 3 where flow originating N of 3-08-1 exits the line.
R03-SD-602-01	FO	Explosives, Metals	G	A	0.5	Collocated with R03-SW-602-01.
R03-GW-601-01	FO	VOCs	G	A	5.27	Collected from JAW-53.
R03-GW-602-01	FO	VOCs	G	A	8.28	Collected from JAW-55.
R03-GW-603-01	FO	VOCs	G	A	3.62	Collected from JAW-56.
R03-SS-601-01	FO	Explosives, Metals	G	A	0.5	1' E of E face of 3-140-2.
R03-SA-601-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-601-01.
R03-SS-601-03	FO	Explosives, Metals	G	A	0.5	Duplicate of R03-SS-601-01.
R03-SS-602-01	FO	Explosives, Metals	G	A	0.5	1' N of N face of 3-140-2.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-1 (Continued)

RI Sample Number	Phase	Analyses	Sample Type	Sample Category	Depth (feet)	Location
R03-SA-602-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-602-01.
R03-SS-603-01	FO	Explosives, Metals	G	A	0.5	1' W of W face of 3-140-2.
R03-SA-603-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-603-01.
R03-SA-603-04	FO	Explosives, Metals	G	A	0.5	Duplicate of R03-SS-603-01.
R03-SS-607-01	FO	Explosives, Metals	G	A	0.5	1' N of N face of 3-140-5.
R03-SA-607-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-607-01.
R03-SS-608-01	FO	Explosives, Metals	G	A	0.5	1' E of E face of 3-140-5.
R03-SA-608-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-608-01.
R03-SS-608-03	FO	Explosives, Metals	G	A	0.5	Duplicate of R03-SS-608-01.
R03-SS-609-01	FO	Explosives, Metals	G	A	0.5	1' W of W face of 3-140-5, beneath wooden platform.
R03-SA-609-02	FO	Explosives, Metals	G	A	3.0	Collocated with R03-SS-609-01.
R03-SA-610-01	FO	VOCs	G	A	5.0	Confirmation sample at soil gas location #1 at building 3-03.
R03-SA-611-01	FO	VOCs	G	A	5.0	Confirmation sample at soil gas location #13 at building 3-03.
R03-SA-611-02	FO	VOCs	G	A	5.0	Duplicate of R03-SA-611-01.

SI = Site Investigation
S = Screening Sample

I = Phase 1 RI/FS
G = Grab

II = Phase 2 RI/FS
A = Analytical Sample

SS = Sump Survey
C = Composite

FO = Follow-on RI/FS
NA = Not Applicable

Table 6.3-2 Line 3 (R03)

All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE			
R03	CGW	WELL	JAW-53	R03GW501	4.4	TAL_METAL	Barium		SS10		87.6	UGL	19-May-93			
							Lead		SD20		1.41	UGL	19-May-93			
							EXPLOSIVES	Cyclotetramethylenetetran		UW32		190	UGL	19-May-93		
			JAW-54	R03GW502	4.2	EXPLOSIVES	Nitrobenzene / Essence of		UW32		20.6	UGL	19-May-93			
							RDX / Cyclonite / Hexahyd		UW32		2100	UGL	19-May-93			
							TAL_METAL	Barium		SS10		74.7	UGL	19-May-93		
			JAW-55	R03GW503	4.9	EXPLOSIVES	Cyclotetramethylenetetran		UW32		7.97	UGL	19-May-93			
							RDX / Cyclonite / Hexahyd		UW32		6.89	UGL	19-May-93			
							TAL_METAL	Barium		SS10		105	UGL	19-May-93		
			JAW-56	R03GW504	4.7	EXPLOSIVES	Barium		SS10		65.8	UGL	19-May-93			
							Lead		SD20		10.5	UGL	19-May-93			
							Barium		SS10		93.6	UGL	19-May-93			
			JAW-57	R03GW505	7	EXPLOSIVES	Lead		SD20		1.63	UGL	19-May-93			
							Barium		SS10		62.9	UGL	19-May-93			
							Lead		SD20		1.52	UGL	19-May-93			
			JAW-77	R03GW506	6.3	EXPLOSIVES	Barium		SS10		62.9	UGL	19-May-93			
							Lead		SD20		1.52	UGL	19-May-93			
							EXPLOSIVES	2,4-Dinitrotoluene		UW32		1.73	UGL	17-Dec-92		
			CSE	STRM	DTCH	R03SD3501	SD3501	0.5	TAL_METAL	Cyclotetramethylenetetran		UW32		120	UGL	17-Dec-92
										RDX / Cyclonite / Hexahyd		UW32		2400	UGL	17-Dec-92
										Barium		JS12		237	UGG	13-Aug-91
						R03SD3601	SD3601	0.5	TAL_METAL	Chromium		JS12		33.4	UGG	13-Aug-91
										Lead		JD21		20	UGG	13-Aug-91
Arsenic		JD19									6.77	UGG	27-Oct-92			
R03SD3701	SD3701	0.5				TAL_METAL	Barium		JS16		272	UGG	27-Oct-92			
							Chromium		JS16		23.4	UGG	27-Oct-92			
							Lead		JD17		12.8	UGG	27-Oct-92			
R03SD4601	SD4601	0.5				TAL_METAL	Arsenic		JD19		6.85	UGG	26-Oct-92			
							Barium		JS16		253	UGG	26-Oct-92			
							Chromium		JS16		22.1	UGG	26-Oct-92			
R03SD3701	SD3701	0.5	TAL_METAL	Lead		JS16		39	UGG	26-Oct-92						
				Arsenic		JD19		3.81	UGG	26-Oct-92						
				Barium		JS16		903	UGG	26-Oct-92						
R03SD3701	SD3701	0.5	TAL_METAL	Chromium		JS16		24.2	UGG	26-Oct-92						
				Lead		JS16		49.8	UGG	26-Oct-92						
				Arsenic		JD19		4.54	UGG	27-Oct-92						
R03SD4601	SD4601	0.5	TAL_METAL	Barium		JS16		136	UGG	27-Oct-92						
				Barium		JS16		136	UGG	27-Oct-92						

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSE	DTCH	R03SD4601	SD4601	0.5	TAL_METAL	Chromium		JS16		101	UGG	27-Oct-92
							Lead		JS16		54.4	UGG	27-Oct-92
							Mercury		JB01		0.486	UGG	27-Oct-92
		STRM	R03SD50601	SD506			Arsenic		JD19		15.2	UGG	14-Apr-93
							Barium		JS16		220	UGG	14-Apr-93
							Chromium		JS16		16.5	UGG	14-Apr-93
							Lead		JD17		34	UGG	14-Apr-93
			R03SD50701	SD507			Arsenic		JD19		10.3	UGG	14-Apr-93
							Barium		JS16		1280	UGG	14-Apr-93
							Chromium		JS16		14.2	UGG	14-Apr-93
							Lead		JD17		18	UGG	14-Apr-93
			R03SD50801	SD50801			Arsenic		JD19		7.12	UGG	14-Apr-93
							Barium		JS16		205	UGG	14-Apr-93
							Chromium		JS16		20.4	UGG	14-Apr-93
							Lead		JD17		21	UGG	14-Apr-93
							Mercury		JB01		0.075	UGG	14-Apr-93
			R03SD50901	R03SD509 SD50901			Selenium		JD15		2.98	UGG	14-Apr-93
							Arsenic		JD19		4.8	UGG	14-Apr-93
							Barium		JS16		158	UGG	14-Apr-93
							Chromium		JS16		20.4	UGG	14-Apr-93
							Lead		JD17		19	UGG	14-Apr-93
							Mercury		JB01		0.0941	UGG	14-Apr-93
			R03SD601	SD60101			Arsenic		JD19		4.15	UGG	16-May-95
							Barium		JS16		325	UGG	16-May-95
							Chromium		JS16		11.1	UGG	16-May-95
							Lead		JD17		4.34	UGG	16-May-95
			R03SD602	SD60201			Arsenic		JD19		5.42	UGG	16-May-95
							Barium		JS16		136	UGG	16-May-95
							Chromium		JS16		8.38	UGG	16-May-95
							Lead		JD17		7.86	UGG	16-May-95
	CSO	BORE	03SA0201	03SA0201	1		Arsenic		B9		5.81	UGG	12-Aug-91
							Barium		JS12		264	UGG	12-Aug-91
							Chromium		JS12		36.2	UGG	12-Aug-91
							Lead		JD21		24	UGG	12-Aug-91
							Mercury		Y9		0.0703	UGG	12-Aug-91

184

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	03SA0201	03SA0201	1	TAL_METAL	Selenium		JD20		0.647	UGG	12-Aug-91
						TCL_BNA	Di-n-butyl phthalate		LM25		3.3	UGG	12-Aug-91
			03SA0301	03SA0301	4	TAL_METAL	Arsenic		B9		4.57	UGG	13-Aug-91
							Barium		JS12		252	UGG	13-Aug-91
							Chromium		JS12		64.4	UGG	13-Aug-91
							Lead		JD21		17	UGG	13-Aug-91
							Mercury		Y9		3.2	UGG	13-Aug-91
						TCL_BNA	Di-n-butyl phthalate		LM25		2.3	UGG	13-Aug-91
			03SA0401	03SA0401	2	TAL_METAL	Arsenic		B9		3.7	UGG	12-Aug-91
							Barium		JS12		296	UGG	12-Aug-91
							Chromium		JS12		34.2	UGG	12-Aug-91
							Lead		JD21		18	UGG	12-Aug-91
							Mercury		Y9		10	UGG	12-Aug-91
						TCL_BNA	Di-n-butyl phthalate		LM25		1.9	UGG	12-Aug-91
			03SA0501	03SA0501	1	TAL_METAL	Barium		JS12		62.7	UGG	13-Aug-91
							Chromium		JS12		10.9	UGG	13-Aug-91
							Lead		JD21		5.5	UGG	13-Aug-91
			03SA0801	03SA0801		EXPLOSIVES	Cyclotetramethylenetetran		LW02		21.1	UGG	13-Aug-91
							RDX / Cyclonite / Hexahyd		LW02		58	UGG	13-Aug-91
						TAL_METAL	Arsenic		B9		12.6	UGG	13-Aug-91
							Barium		JS12		22	UGG	13-Aug-91
							Chromium		JS12		14.2	UGG	13-Aug-91
							Lead		JD21		20	UGG	13-Aug-91
							Mercury		Y9		0.0891	UGG	13-Aug-91
		CMPH	03SA0901	03SA0901		EXPLOSIVES	1,3,5-Trinitrobenzene		LW02		4.62	UGG	13-Aug-91
							2,4,6-Trinitrotoluene / a		LW02		75.7	UGG	13-Aug-91
							Cyclotetramethylenetetran		LW02		8	UGG	13-Aug-91
							RDX / Cyclonite / Hexahyd		LW02		3.13	UGG	13-Aug-91
						TCL_BNA	Acenaphthene		LM25		0.31	UGG	13-Aug-91
							Benzo[a]anthracene		LM25		2.5	UGG	13-Aug-91
							Benzo[a]pyrene		LM25		2.6	UGG	13-Aug-91
							Benzo[b]fluoranthene / 3,		LM25		2.8	UGG	13-Aug-91
							Benzo[def]phenanthrene /		LM25		6	UGG	13-Aug-91
							Benzo[ghi]perylene		LM25		2.2	UGG	13-Aug-91
							Benzo[k]fluoranthene		LM25		2.3	UGG	13-Aug-91

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	CMPH	03SA0901	03SA0901	1	TCL_BNA	Chrysene		LM25		3	UGG	13-Aug-91
							Di-n-butyl phthalate		LM25		3.8	UGG	13-Aug-91
							Fluoranthene		LM25		3.9	UGG	13-Aug-91
							Fluorene / 9H-Fluorene		LM25		0.41	UGG	13-Aug-91
							Phenanthrene		LM25		5.7	UGG	13-Aug-91
		BORE	03SA0902	03SA0902	1.8	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW02		3.4	UGG	13-Aug-91
							Cyclotetramethylenetetran	1	LW02		0.881	UGG	13-Aug-91
							RDX / Cyclonite / Hexahyd	1	LW02		0.807	UGG	13-Aug-91
						TAL_METAL	Arsenic		B9		5.17	UGG	13-Aug-91
							Barium		JS12		150	UGG	13-Aug-91
							Chromium		JS12		19.7	UGG	13-Aug-91
							Lead		JD21		38	UGG	13-Aug-91
						TCL_BNA	2-Methylnaphthalene		LM25		0.47	UGG	13-Aug-91
							Acenaphthene		LM25		5.1	UGG	13-Aug-91
							Acenaphthylene		LM25		0.12	UGG	13-Aug-91
							Anthracene		LM25		11	UGG	13-Aug-91
							Benzo[a]anthracene		LM25	GT	12	UGG	13-Aug-91
							Benzo[a]pyrene		LM25	GT	6.2	UGG	13-Aug-91
							Benzo[b]fluoranthene / 3,		LM25	GT	12	UGG	13-Aug-91
							Benzo[def]phenanthrene /		LM25	GT	6.2	UGG	13-Aug-91
							Benzo[ghi]perylene		LM25		21	UGG	13-Aug-91
							Benzo[k]fluoranthene		LM25		20	UGG	13-Aug-91
							Bis(2-ethylhexyl) phthala		LM25		1.1	UGG	13-Aug-91
							Chrysene		LM25	GT	12	UGG	13-Aug-91
							Di-n-butyl phthalate		LM25		4.3	UGG	13-Aug-91
							Dibenz[ah]anthracene / 1,		LM25		3.8	UGG	13-Aug-91
							Dibenzofuran		LM25		2	UGG	13-Aug-91
							Fluoranthene		LM25	GT	6.2	UGG	13-Aug-91
							Fluorene / 9H-Fluorene		LM25		6.3	UGG	13-Aug-91
							Indeno[1,2,3-C,D]pyrene		LM25		12	UGG	13-Aug-91
							Naphthalene / Tar camphor		LM25		2.6	UGG	13-Aug-91
							Phenanthrene		LM25	GT	12	UGG	13-Aug-91
		SURF	03SS0101	03SS0101	0.5	TAL_METAL	Arsenic		B9		7.24	UGG	12-Aug-91
							Barium		JS12		21.2	UGG	12-Aug-91
							Chromium		JS12		244	UGG	12-Aug-91

Date 4/16/96

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	03SS0101	03SS0101	0.5	TAL_METAL	Lead		JD21		52	UGG	12-Aug-91
							Silver		JS12		0.969	UGG	12-Aug-91
			03SS1001	03SS1001		RAD	Alpha gross		00		2.1	PCG	12-Aug-91
							Beta gross		00		13.2	PCG	12-Aug-91
							Bismuth 214		99		1.51	PCG	12-Aug-91
							Cesium 137		99		0.35	PCG	12-Aug-91
							Lead 212		99		0.58	PCG	12-Aug-91
							Lead 214		99		0.6	PCG	12-Aug-91
							Radium 226		99		0.76	PCG	12-Aug-91
							Thallium 208		99		0.73	PCG	12-Aug-91
						TAL_METAL	Arsenic		B9		6.75	UGG	12-Aug-91
							Barium		JS12		103	UGG	12-Aug-91
							Chromium		JS12		23.5	UGG	12-Aug-91
							Lead		JD21		90	UGG	12-Aug-91
							Mercury		Y9		0.0999	UGG	12-Aug-91
						TCL_PEST	2,2-Bis(p-chlorophenyl)-1	U	LH17	GT	0.1	UGG	12-Aug-91
							Aldrin	U	LH17		0.00845	UGG	12-Aug-91
							Dieldrin	C	LH17		0.0126	UGG	12-Aug-91
							Erdrin	U	LH17		0.0126	UGG	12-Aug-91
							Lindane / gamma-Benzene	U	LH17		0.00135	UGG	12-Aug-91
		CMPH	03SS1101	03SS1101		EXPLOSIVES	1,3,5-Trinitrobenzene		LW02		1.89	UGG	12-Aug-91
					1		2,4,6-Trinitrotoluene / a		LW02		2600	UGG	12-Aug-91
					0.5		2,4-Dinitrotoluene		LW02		0.568	UGG	12-Aug-91
							2,6-Dinitrotoluene		LW02		3.3	UGG	12-Aug-91
							Nitrobenzene / Essence of		LW02		0.456	UGG	12-Aug-91
							RDX / Cyclonite / Hexahyd	1	LW02		0.495	UGG	12-Aug-91
						TAL_METAL	Arsenic		B9		4	UGG	12-Aug-91
							Barium		JS12		80.5	UGG	12-Aug-91
							Cadmium		JS12		7.46	UGG	12-Aug-91
							Chromium		JS12		38.7	UGG	12-Aug-91
							Lead		JD21		180	UGG	12-Aug-91
							Mercury		Y9		0.106	UGG	12-Aug-91
			03SS1201	03SS1201			Arsenic		B9		6.51	UGG	12-Aug-91
							Barium		JS12		196	UGG	12-Aug-91
							Chromium		JS12		28.6	UGG	12-Aug-91

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	CMPH	03SS1201	03SS1201	0.5	TAL_METAL	Lead		JD21		43	UGG	12-Aug-91
							Mercury		Y9		0.0552	UGG	12-Aug-91
		BORE	JAW-53	R03SA501	10		Arsenic		JD19		4.47	UGG	26-Apr-93
							Barium		JS16		681	UGG	26-Apr-93
							Chromium		JS16		18.8	UGG	26-Apr-93
							Lead		JD17		11.7	UGG	26-Apr-93
			JAW-54	R03SA502	15	EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		2.86	UGG	27-Apr-93
						TAL_METAL	Arsenic		JD19		19	UGG	27-Apr-93
							Barium		JS16		125	UGG	27-Apr-93
							Chromium		JS16		19.7	UGG	27-Apr-93
							Lead		JD17		11.5	UGG	27-Apr-93
			JAW-55	R03SA503	13		Arsenic		JD19		3.71	UGG	27-Apr-93
							Barium		JS16		123	UGG	27-Apr-93
							Chromium		JS16		18	UGG	27-Apr-93
							Lead		JD17		12.2	UGG	27-Apr-93
			JAW-56	R03SA504	12.5		Arsenic		JD19		16	UGG	27-Apr-93
							Barium		JS16		82.7	UGG	27-Apr-93
							Chromium		JS16		15.4	UGG	27-Apr-93
							Lead		JD17		9.1	UGG	27-Apr-93
			JAW-57	R03SA505	11		Arsenic		JD19		1.75	UGG	26-Apr-93
							Barium		JS16		154	UGG	26-Apr-93
							Chromium		JS16		21.8	UGG	26-Apr-93
							Lead		JD17		11.7	UGG	26-Apr-93
			JAW-77	R03SA506	15		Arsenic		JD19		1.79	UGG	29-Apr-93
							Barium		JS16		146	UGG	29-Apr-93
							Chromium		JS16		16.9	UGG	29-Apr-93
							Lead		JD17		8.11	UGG	29-Apr-93
		BLDG	MELT-SS-01	SS-01	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		230	UGG	06-Oct-94
							Cyclotetramethylenetetran	C	LW12		570	UGG	06-Oct-94
							RDX / Cyclonite / Hexahyd	C	LW12		2300	UGG	06-Oct-94
						TAL_METAL	Arsenic		JD19		9.04	UGG	06-Oct-94
							Barium		JS16		165	UGG	06-Oct-94
							Chromium		JS16		22.1	UGG	06-Oct-94
							Lead		JD17		10.7	UGG	06-Oct-94
							Mercury		JB01		0.264	UGG	06-Oct-94

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BLDG	MELT-SS-02	SS-02	0.5	TAL_METAL	Arsenic		JD19		6.84	UGG	06-Oct-94
							Barium		JS16		219	UGG	06-Oct-94
							Chromium		JS16		22.8	UGG	06-Oct-94
							Lead		JD17		18	UGG	06-Oct-94
			MELT-SS-04	SS-04		EXPLOSIVES	Cyclotetramethylenetetran	C	LW12		2.28	UGG	06-Oct-94
							RDX / Cyclonite / Hexahyd	C	LW12		6.6	UGG	06-Oct-94
						TAL_METAL	Arsenic		JD19		5.02	UGG	06-Oct-94
							Barium		JS16		190	UGG	06-Oct-94
							Chromium		JS16		24.6	UGG	06-Oct-94
							Lead		JD17		12.4	UGG	06-Oct-94
			MELT-SS-05	SS-05		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		0.68	UGG	06-Oct-94
							Cyclotetramethylenetetran	C	LW12		1.56	UGG	06-Oct-94
							RDX / Cyclonite / Hexahyd	C	LW12		1.49	UGG	06-Oct-94
						TAL_METAL	Arsenic		JD19		6.37	UGG	06-Oct-94
							Barium		JS16		156	UGG	06-Oct-94
							Chromium		JS16		17.7	UGG	06-Oct-94
							Lead		JD17		18	UGG	06-Oct-94
		BORE	R03SA10001	SA10001	1		Arsenic		JD19		5.32	UGG	17-Nov-92
							Barium		JS16		102	UGG	17-Nov-92
							Chromium		JS16		6.41	UGG	17-Nov-92
							Lead		JD17		14	UGG	17-Nov-92
			R03SA10101	SA10101			Arsenic		JD19		6.29	UGG	17-Nov-92
							Barium		JS16		142	UGG	17-Nov-92
							Cadmium		JS16		3.04	UGG	17-Nov-92
							Chromium		JS16		62	UGG	17-Nov-92
							Lead		JS16		525	UGG	17-Nov-92
							Mercury		JB01		0.146	UGG	17-Nov-92
			R03SA10301	SA10301	2		Arsenic		JD19		12	UGG	18-Nov-92
							Barium		JS16		301	UGG	18-Nov-92
							Chromium		JS16		20.5	UGG	18-Nov-92
							Lead		JD17		23	UGG	18-Nov-92
			R03SA10401	SA10401			Arsenic		JD19		14	UGG	18-Nov-92
							Barium		JS16		325	UGG	18-Nov-92
							Chromium		JS16		22.9	UGG	18-Nov-92
							Lead		JS16		22.9	UGG	18-Nov-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA10501	SA10501	3	TAL_METAL	Arsenic		JD19		7.07	UGG	18-Nov-92
							Barium		JS16		105	UGG	18-Nov-92
							Cadmium		JS16		1.84	UGG	18-Nov-92
							Chromium		JS16		19.6	UGG	18-Nov-92
							Lead		JS16		66.9	UGG	18-Nov-92
			R03SA10601	SA10601	1		Arsenic		JD19		7.95	UGG	18-Nov-92
							Barium		JS16		252	UGG	18-Nov-92
							Chromium		JS16		14.1	UGG	18-Nov-92
							Lead		JD17		20	UGG	18-Nov-92
							Selenium		JD15		0.386	UGG	18-Nov-92
			R03SA10701	SA10701			Arsenic		JD19		7.83	UGG	18-Nov-92
							Barium		JS16		236	UGG	18-Nov-92
							Chromium		JS16		14.2	UGG	18-Nov-92
							Lead		JD17		22	UGG	18-Nov-92
							Selenium		JD15		0.435	UGG	18-Nov-92
			R03SA10901	SA10901	3		Arsenic		JD19		8.3	UGG	19-Nov-92
							Barium		JS16		195	UGG	19-Nov-92
							Chromium		JS16		18.2	UGG	19-Nov-92
							Lead		JD17		18	UGG	19-Nov-92
			R03SA11001	SA11101	1		Arsenic		JD19		3.39	UGG	19-Nov-92
							Barium		JS16		9.4	UGG	19-Nov-92
							Lead		JD17		7.79	UGG	19-Nov-92
			R03SA11201	SA11201			Arsenic		JD19		13	UGG	19-Nov-92
							Barium		JS16		316	UGG	19-Nov-92
							Chromium		JS16		16.9	UGG	19-Nov-92
							Lead		JS16		30.1	UGG	19-Nov-92
			R03SA11301	SA11301			Arsenic		JD19		5.68	UGG	19-Nov-92
							Barium		JS16		249	UGG	19-Nov-92
							Chromium		JS16		11.1	UGG	19-Nov-92
							Lead		JD17		14	UGG	19-Nov-92
			R03SA11401	SA11401			Arsenic		JD19		4.3	UGG	18-Nov-92
							Barium		JS16		87.8	UGG	18-Nov-92
							Cadmium		JS16		1.8	UGG	18-Nov-92
							Chromium		JS16		20	UGG	18-Nov-92
							Lead		JS16		341	UGG	18-Nov-92

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA11401	SA11401	1	TAL_METAL	Mercury		JB01		0.0811	UGG	18-Nov-92
			R03SA11601	SA11601			Arsenic		JD19		7.2	UGG	16-Nov-92
							Barium		JS16		319	UGG	16-Nov-92
							Cadmium		JS16		1.01	UGG	16-Nov-92
							Chromium		JS16		14.1	UGG	16-Nov-92
							Lead		JS16		689	UGG	16-Nov-92
			R03SA11701	SA11701			Arsenic		JD19		8.1	UGG	16-Nov-92
							Barium		JS16		216	UGG	16-Nov-92
							Cadmium		JS16		7.99	UGG	16-Nov-92
							Chromium		JS16		17.2	UGG	16-Nov-92
							Lead		JS16		35.7	UGG	16-Nov-92
							Selenium		JD15		0.435	UGG	16-Nov-92
			R03SA11801	SA11801			Arsenic		JD19		6.7	UGG	16-Nov-92
							Barium		JS16		239	UGG	16-Nov-92
							Chromium		JS16		16.4	UGG	16-Nov-92
							Lead		JD17		15	UGG	16-Nov-92
							Selenium		JD15		0.607	UGG	16-Nov-92
			R03SA11901	SA11901	3		Arsenic		JD19		10	UGG	17-Nov-92
							Barium		JS16		204	UGG	17-Nov-92
							Chromium		JS16		20.9	UGG	17-Nov-92
							Lead		JD17		16	UGG	17-Nov-92
			R03SA12001	SA12001	1		Arsenic		JD19		9.5	UGG	17-Nov-92
							Barium		JS16		142	UGG	17-Nov-92
							Chromium		JS16		21.6	UGG	17-Nov-92
							Lead		JD17		16	UGG	17-Nov-92
			R03SA12101	SA12101			Arsenic		JD19		9.1	UGG	17-Nov-92
							Barium		JS16		180	UGG	17-Nov-92
							Chromium		JS16		15.4	UGG	17-Nov-92
							Lead		JD17		19	UGG	17-Nov-92
			R03SA12201	SA12201			Arsenic		JD19		8.1	UGG	17-Nov-92
							Barium		JS16		243	UGG	17-Nov-92
							Chromium		JS16		15.3	UGG	17-Nov-92
							Lead		JD17		19	UGG	17-Nov-92
							Selenium		JD15		0.406	UGG	17-Nov-92
			R03SA12401	SA12401	0.5		Arsenic		JD19		6.2	UGG	17-Nov-92

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA12401	SA12401	0.5	TAL_METAL	Barium		JS16		214	UGG	17-Nov-92
							Chromium		JS16		21.2	UGG	17-Nov-92
							Lead		JD17		20	UGG	17-Nov-92
			R03SA12701	SA12701	1		Arsenic		JD19		11	UGG	23-Nov-92
							Barium		JS16		254	UGG	23-Nov-92
							Chromium		JS16		39.4	UGG	23-Nov-92
							Lead		JS16		23.3	UGG	23-Nov-92
							Mercury		JB01		0.205	UGG	23-Nov-92
			R03SA12801	SA12801	2		Arsenic		JD19		11	UGG	20-Nov-92
							Barium		JS16		310	UGG	20-Nov-92
							Chromium		JS16		16.9	UGG	20-Nov-92
							Lead		JS16		309	UGG	20-Nov-92
							Selenium		JD15		0.397	UGG	20-Nov-92
			R03SA12901	SA12901			Arsenic		JD19		9.5	UGG	20-Nov-92
							Barium		JS16		219	UGG	20-Nov-92
							Chromium		JS16		15.8	UGG	20-Nov-92
							Lead		JD17		21	UGG	20-Nov-92
			R03SA13001	SA13001	1		Arsenic		JD19		8.6	UGG	20-Nov-92
							Barium		JS16		317	UGG	20-Nov-92
							Chromium		JS16		19.3	UGG	20-Nov-92
							Lead		JS16		33.9	UGG	20-Nov-92
							Selenium		JD15		0.798	UGG	20-Nov-92
							Silver		JS16		3.16	UGG	20-Nov-92
			R03SA13101	SA13101			Arsenic		JD19		4.8	UGG	20-Nov-92
							Barium		JS16		127	UGG	20-Nov-92
							Cadmium		JS16		1.33	UGG	20-Nov-92
							Chromium		JS16		9.37	UGG	20-Nov-92
							Lead		JD17		17	UGG	20-Nov-92
							Selenium		JD15		0.397	UGG	20-Nov-92
			R03SA13201	SA13201			Arsenic		JD19		5.3	UGG	23-Nov-92
							Barium		JS16		254	UGG	23-Nov-92
							Cadmium		JS16		0.882	UGG	23-Nov-92
							Chromium		JS16		56.8	UGG	23-Nov-92
							Lead		JS16		34.5	UGG	23-Nov-92
							Mercury		JB01		1.1	UGG	23-Nov-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA13201	SA13201	1	TAL_METAL	Selenium		JD15		0.57	UGG	23-Nov-92
			R03SA5501	SA5501		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.87	UGG	27-Oct-92
							2,4,6-Trinitrotoluene / a	7	LW12		1300	UGG	27-Oct-92
							Cyclotetramethylenetetran		LW12		19.5	UGG	27-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		7.91	UGG	27-Oct-92
			R03SA5601	SA5601			1,3,5-Trinitrobenzene		LW12		14.3	UGG	27-Oct-92
							2,4,6-Trinitrotoluene / a	7	LW12		13000	UGG	27-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		6.23	UGG	27-Oct-92
			R03SA5701	SA5701			1,3,5-Trinitrobenzene		LW12		1.17	UGG	27-Oct-92
							2,4,6-Trinitrotoluene / a	7	LW12		12.6	UGG	27-Oct-92
							Cyclotetramethylenetetran		LW12		0.911	UGG	27-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		7.06	UGG	27-Oct-92
			R03SA5801	SA5801			Cyclotetramethylenetetran		LW12		4.76	UGG	26-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		72	UGG	26-Oct-92
		AHOL	R03SA601	SA60102	3	TAL_METAL	Arsenic		JD19		2.67	UGG	09-Apr-95
							Barium		JS16		173	UGG	09-Apr-95
							Chromium		JS16		7.66	UGG	09-Apr-95
							Lead		JD17		8.7	UGG	09-Apr-95
							Selenium		JD15		0.256	UGG	09-Apr-95
			R03SA602	SA60202		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		3.9	UGG	09-Apr-95
						TAL_METAL	Arsenic		JD19		3.42	UGG	09-Apr-95
							Barium		JS16		181	UGG	09-Apr-95
							Chromium		JS16		7.96	UGG	09-Apr-95
							Lead		JD17		6.3	UGG	09-Apr-95
			R03SA603	SA60302		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		5.23	UGG	09-Apr-95
						TAL_METAL	Arsenic		JD19		3.94	UGG	09-Apr-95
							Barium		JS16		182	UGG	09-Apr-95
							Chromium		JS16		13.3	UGG	09-Apr-95
							Lead		JS16		17.9	UGG	09-Apr-95
			R03SA607	SA60702			Arsenic		JD19		2.51	UGG	09-Apr-95
							Barium		JS16		174	UGG	09-Apr-95
							Chromium		JS16		15.8	UGG	09-Apr-95
							Lead		JS16		16.8	UGG	09-Apr-95
			R03SA608	SA60802			Arsenic		JD19		2.02	UGG	09-Apr-95
							Barium		JS16		191	UGG	09-Apr-95

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	AHOL	R03SA608	SA60802	3	TAL_METAL	Chromium		JS16		22.3	UGG	09-Apr-95
							Lead		JD17		4.61	UGG	09-Apr-95
			R03SA609	SA60902			Arsenic		JD19		2.25	UGG	09-Apr-95
							Barium		JS16		180	UGG	09-Apr-95
							Chromium		JS16		16.7	UGG	09-Apr-95
							Lead		JD17		5.87	UGG	09-Apr-95
							Mercury		JB01		0.132	UGG	09-Apr-95
		BORE	R03SA6401	SA6401	1		Arsenic		JD19		12	UGG	26-Oct-92
							Barium		JS16		221	UGG	26-Oct-92
							Chromium		JS16		19.6	UGG	26-Oct-92
							Lead		JD17		22	UGG	26-Oct-92
							Selenium		JD15		1.12	UGG	26-Oct-92
			R03SA6501	SA6501			Arsenic		JD19		10	UGG	24-Oct-92
							Barium		JS16		217	UGG	24-Oct-92
							Cadmium		JS16		4.62	UGG	24-Oct-92
							Chromium		JS16		34.8	UGG	24-Oct-92
							Lead		JS16		254	UGG	24-Oct-92
							Mercury		JB01		0.0925	UGG	24-Oct-92
			R03SA6801	SA6801			Arsenic		JD19		7.21	UGG	27-Oct-92
							Barium		JS16		234	UGG	27-Oct-92
							Chromium		JS16		15	UGG	27-Oct-92
							Lead		JS16		22.6	UGG	27-Oct-92
			R03SA6901	SA6901			Arsenic		JD19		8.02	UGG	27-Oct-92
							Barium		JS16		220	UGG	27-Oct-92
							Chromium		JS16		14.6	UGG	27-Oct-92
							Lead		JS16		35	UGG	27-Oct-92
							Mercury		JB01		0.0637	UGG	27-Oct-92
							Selenium		JD15		0.543	UGG	27-Oct-92
			R03SA7301	SA7301			Arsenic		JD19		5.5	UGG	27-Oct-92
							Barium		JS16		471	UGG	27-Oct-92
							Cadmium		JS16		6.62	UGG	27-Oct-92
							Chromium		JS16		78.1	UGG	27-Oct-92
							Lead		JS16		952	UGG	27-Oct-92
			R03SA7401	SA7401			Arsenic		JD19		4.72	UGG	27-Oct-92
							Barium		JS16		158	UGG	27-Oct-92

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA7401	SA7401	1	TAL_METAL	Cadmium		JS16		7.14	UGG	27-Oct-92
							Chromium		JS16		120	UGG	27-Oct-92
							Lead		JS16		967	UGG	27-Oct-92
							Mercury		JB01		0.108	UGG	27-Oct-92
			R03SA7501	SA7501	2	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.01	UGG	08-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		2500	UGG	08-Nov-92
							2,4-Dinitrotoluene		LW12		8.92	UGG	08-Nov-92
							Cyclotetramethylenetetran		LW12		2.19	UGG	08-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		1.02	UGG	08-Nov-92
			R03SA7601	SA7601	1		1,3,5-Trinitrobenzene		LW12		7.1	UGG	08-Nov-92
							1,3-Dinitrobenzene		LW12		0.639	UGG	08-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		16000	UGG	08-Nov-92
							2,4-Dinitrotoluene		LW12		11.7	UGG	08-Nov-92
							Cyclotetramethylenetetran		LW12		14.9	UGG	08-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		48	UGG	08-Nov-92
			R03SA7701	SA7701			1,3,5-Trinitrobenzene		LW12		4.22	UGG	08-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		1.26	UGG	08-Nov-92
			R03SA7901	SA7901	1.5		1,3,5-Trinitrobenzene		LW12		21	UGG	09-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		64000	UGG	09-Nov-92
							2,4-Dinitrotoluene		LW12		180	UGG	09-Nov-92
							Cyclotetramethylenetetran		LW12		240	UGG	09-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		220	UGG	09-Nov-92
			R03SA8001	SA8001			1,3,5-Trinitrobenzene		LW12		4.29	UGG	09-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		97	UGG	09-Nov-92
							2,4-Dinitrotoluene		LW12		3.04	UGG	09-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		5.21	UGG	09-Nov-92
			R03SA8101	SA8101	1		1,3,5-Trinitrobenzene		LW12		21.1	UGG	09-Nov-92
							1,3-Dinitrobenzene		LW12		0.555	UGG	09-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		2100	UGG	09-Nov-92
							2,4-Dinitrotoluene		LW12		13.7	UGG	09-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		2.1	UGG	09-Nov-92
			R03SA8201	SA8201			1,3,5-Trinitrobenzene		LW12		360	UGG	09-Nov-92
							1,3-Dinitrobenzene		LW12		2.33	UGG	09-Nov-92
							2,4,6-Trinitrotoluene / a		LW12		100000	UGG	09-Nov-92
							2,4-Dinitrotoluene		LW12		19.3	UGG	09-Nov-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA8201	SA8201	1	EXPLOSIVES	Cyclotetramethylenetetran		LW12		1.29	UGG	09-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		34	UGG	09-Nov-92
			R03SA8401	SA8401	3		2,4,6-Trinitrotoluene / a		LW12		1.49	UGG	18-Nov-92
							Cyclotetramethylenetetran		LW12		7.57	UGG	18-Nov-92
							RDX / Cyclonite / Hexahyd		LW12		13	UGG	18-Nov-92
			R03SA8601	SA8601		TAL_METAL	Arsenic		JD19		5.13	UGG	10-Nov-92
							Barium		JS16		209	UGG	10-Nov-92
							Chromium		JS16		18.4	UGG	10-Nov-92
							Lead		JS16		81.3	UGG	10-Nov-92
							Mercury		JB01		0.258	UGG	10-Nov-92
			R03SA8901	SA8901	1		Arsenic		JD19		15	UGG	05-Nov-92
							Barium		JS16		296	UGG	05-Nov-92
							Chromium		JS16		16.6	UGG	05-Nov-92
							Lead		JD17		31	UGG	05-Nov-92
			R03SA9001	SA9001			Arsenic		JD19		6.04	UGG	09-Nov-92
							Barium		JS16		204	UGG	09-Nov-92
							Cadmium		JS16		7.34	UGG	09-Nov-92
							Chromium		JS16		452	UGG	09-Nov-92
							Lead		JS16		484	UGG	09-Nov-92
							Mercury		JB01		0.897	UGG	09-Nov-92
							Selenium		JD15		1.34	UGG	09-Nov-92
			R03SA9401	SA9401	2	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.22	UGG	21-Nov-92
			R03SA9601	SA9601	1	TAL_METAL	Arsenic		JD19		9.5	UGG	18-Nov-92
							Barium		JS16		269	UGG	18-Nov-92
							Cadmium		JS16		1.42	UGG	18-Nov-92
							Chromium		JS16		155	UGG	18-Nov-92
							Lead		JS16		506	UGG	18-Nov-92
			R03SA9801	SA9801			Arsenic		JD19		10	UGG	18-Nov-92
							Barium		JS16		264	UGG	18-Nov-92
							Chromium		JS16		91.9	UGG	18-Nov-92
							Lead		JS16		184	UGG	18-Nov-92
							Silver		JS16		2.22	UGG	18-Nov-92
			R03SA9901	SA9901			Arsenic		JD19		12	UGG	17-Nov-92
							Barium		JS16		148	UGG	17-Nov-92
							Cadmium		JS16		1.05	UGG	17-Nov-92

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	R03SA9901	SA9901	1	TAL_METAL	Chromium		JS16		12.8	UGG	17-Nov-92
							Lead		JS16		41	UGG	17-Nov-92
							Selenium		JD15		0.434	UGG	17-Nov-92
		SURF	R03SS0101	SS0101	0.5		Arsenic		JD19		7.23	UGG	24-Oct-92
							Barium		JS16		204	UGG	24-Oct-92
							Chromium		JS16		27.7	UGG	24-Oct-92
							Lead		JS16		58.4	UGG	24-Oct-92
							Mercury		JB01		0.0726	UGG	24-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.083	UGG	24-Oct-92
							Fluoranthene		LM18		0.13	UGG	24-Oct-92
			R03SS0201	SS0201		TAL_METAL	Arsenic		JD19		16	UGG	24-Oct-92
							Barium		JS16		214	UGG	24-Oct-92
							Cadmium		JS16		1.22	UGG	24-Oct-92
							Chromium		JS16		33.1	UGG	24-Oct-92
							Lead		JS16		169	UGG	24-Oct-92
							Mercury		JB01		0.067	UGG	24-Oct-92
			R03SS0301	SS0301			Arsenic		JD19		8.75	UGG	24-Oct-92
							Barium		JS16		182	UGG	24-Oct-92
							Chromium		JS16		22.1	UGG	24-Oct-92
							Lead		JD17		15	UGG	24-Oct-92
			R03SS0401	SS0401			Arsenic		JD19		8.14	UGG	24-Oct-92
							Barium		JS16		125	UGG	24-Oct-92
							Chromium		JS16		17.5	UGG	24-Oct-92
							Lead		JS16		47.5	UGG	24-Oct-92
			R03SS0501	SS0501			Arsenic		JD19		5.14	UGG	25-Oct-92
							Barium		JS16		169	UGG	25-Oct-92
							Chromium		JS16		16.7	UGG	25-Oct-92
							Lead		JS16		44.9	UGG	25-Oct-92
							Selenium		JD15		1.71	UGG	25-Oct-92
			R03SS0601	SS0601			Arsenic		JD19		6.65	UGG	25-Oct-92
							Barium		JS16		185	UGG	25-Oct-92
							Chromium		JS16		37.1	UGG	25-Oct-92
							Lead		JS16		63	UGG	25-Oct-92
							Selenium		JD15		1.63	UGG	25-Oct-92
							Silver		JS16		0.992	UGG	25-Oct-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS0701	SS0701	0.5	TAL_METAL	Arsenic		JD19		24	UGG	25-Oct-92
							Barium		JS16		219	UGG	25-Oct-92
							Cadmium		JS16		1	UGG	25-Oct-92
							Chromium		JS16		80.1	UGG	25-Oct-92
							Lead		JS16		278	UGG	25-Oct-92
							Selenium		JD15		2.11	UGG	25-Oct-92
			R03SS0801	SS0801			Arsenic		JD19		5.91	UGG	25-Oct-92
							Barium		JS16		200	UGG	25-Oct-92
							Chromium		JS16		18.8	UGG	25-Oct-92
							Lead		JS16		60.1	UGG	25-Oct-92
							Selenium		JD15		1.88	UGG	25-Oct-92
						TCL_BNA	Anthracene		LM18		0.084	UGG	25-Oct-92
							Benzo[a]anthracene		LM18		0.25	UGG	25-Oct-92
							Benzo[b]fluoranthene / 3,		LM18		0.57	UGG	25-Oct-92
							Benzo[def]phenanthrene /		LM18		0.74	UGG	25-Oct-92
							Benzo[k]fluoranthene		LM18		0.17	UGG	25-Oct-92
							Carbazole / 9H-Carbazole	S	LM18		0.073	UGG	25-Oct-92
							Chrysene		LM18		0.46	UGG	25-Oct-92
							Fluoranthene		LM18		1.2	UGG	25-Oct-92
							Phenanthrene		LM18		0.54	UGG	25-Oct-92
						TCL_VOA	Toluene		LM19		0.0016	UGG	25-Oct-92
			R03SS0901	SS0901		TAL_METAL	Arsenic		JD19		7.77	UGG	25-Oct-92
							Barium		JS16		214	UGG	25-Oct-92
							Chromium		JS16		18.3	UGG	25-Oct-92
							Lead		JS16		44.3	UGG	25-Oct-92
							Selenium		JD15		2.13	UGG	25-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.12	UGG	25-Oct-92
							Fluoranthene		LM18		0.2	UGG	25-Oct-92
							Phenanthrene		LM18		0.094	UGG	25-Oct-92
			R03SS1001	SS1001		TAL_METAL	Arsenic		JD19		3.01	UGG	25-Oct-92
							Barium		JS16		45.4	UGG	25-Oct-92
							Cadmium		JS16		6.26	UGG	25-Oct-92
							Chromium		JS16		70.1	UGG	25-Oct-92
							Lead		JS16		837	UGG	25-Oct-92
							Mercury		JB01		0.216	UGG	25-Oct-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS1001	SS1001	0.5	TCL_BNA	Benzo[def]phenanthrene /		LM18		0.084	UGG	25-Oct-92
							Fluoranthene		LM18		0.11	UGG	25-Oct-92
			R03SS10201	SS10201		TAL_METAL	Arsenic		JD19		8.08	UGG	17-Nov-92
							Barium		JS16		135	UGG	17-Nov-92
							Cadmium		JS16		2.1	UGG	17-Nov-92
							Chromium		JS16		18.4	UGG	17-Nov-92
							Lead		JS16		112	UGG	17-Nov-92
							Mercury		JB01		0.07	UGG	17-Nov-92
			R03SS10801	SS10801			Arsenic		JD19		8.46	UGG	18-Nov-92
							Barium		JS16		191	UGG	18-Nov-92
							Cadmium		JS16		0.849	UGG	18-Nov-92
							Chromium		JS16		15.4	UGG	18-Nov-92
							Lead		JS16		43	UGG	18-Nov-92
			R03SS1101	SS1101		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		2.33	UGG	25-Oct-92
						TAL_METAL	Arsenic		JD19		11.7	UGG	25-Oct-92
							Barium		JS16		303	UGG	25-Oct-92
							Cadmium		JS16		3.55	UGG	25-Oct-92
							Chromium		JS16		30.2	UGG	25-Oct-92
							Lead		JS16		215	UGG	25-Oct-92
							Mercury		JB01		0.137	UGG	25-Oct-92
			R03SS11101	SS11101			Arsenic		JD19		7.14	UGG	19-Nov-92
							Barium		JS16		157	UGG	19-Nov-92
							Cadmium		JS16		2.42	UGG	19-Nov-92
							Chromium		JS16		29.4	UGG	19-Nov-92
							Lead		JS16		233	UGG	19-Nov-92
							Mercury		JB01		0.122	UGG	19-Nov-92
			R03SS11501	SS11501			Arsenic		JD19		5.3	UGG	16-Nov-92
							Barium		JS16		679	UGG	16-Nov-92
							Cadmium		JS16		1.86	UGG	16-Nov-92
							Chromium		JS16		27	UGG	16-Nov-92
							Lead		JS16		1230	UGG	16-Nov-92
			R03SS1201	SS1201			Arsenic		JD19		9.44	UGG	25-Oct-92
							Barium		JS16		238	UGG	25-Oct-92
							Chromium		JS16		337	UGG	25-Oct-92
							Lead		JS16		1900	UGG	25-Oct-92

Date 4/16/96

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS1201	SS1201	0.5	TCL_BNA	Di-n-butyl phthalate		LM18		0.15	UGG	25-Oct-92
			R03SS12301	SS12301		TAL_METAL	Arsenic		JD19		5.3	UGG	17-Nov-92
							Barium		JS16		71.2	UGG	17-Nov-92
							Cadmium		JS16		1.62	UGG	17-Nov-92
							Chromium		JS16		17	UGG	17-Nov-92
							Lead		JS16		191	UGG	17-Nov-92
			R03SS12601	SS12601			Arsenic		JD19		4.3	UGG	23-Nov-92
							Barium		JS16		230	UGG	23-Nov-92
							Cadmium		JS16		2.18	UGG	23-Nov-92
							Chromium		JS16		400	UGG	23-Nov-92
							Lead		JS16		57.6	UGG	23-Nov-92
							Mercury		JB01		3.6	UGG	23-Nov-92
			R03SS1301	SS1301			Arsenic		JD19		5.39	UGG	25-Oct-92
							Barium		JS16		224	UGG	25-Oct-92
							Cadmium		JS16		3.31	UGG	25-Oct-92
							Chromium		JS16		1460	UGG	25-Oct-92
							Lead		JS16		5790	UGG	25-Oct-92
							Mercury		JB01		0.399	UGG	25-Oct-92
						TCL_BNA	Anthracene		LM18		0.093	UGG	25-Oct-92
							Benzo[def]phenanthrene /		LM18		0.21	UGG	25-Oct-92
							Carbazole / 9H-Carbazole	S	LM18		0.081	UGG	25-Oct-92
							Fluoranthene		LM18		0.43	UGG	25-Oct-92
							Phenanthrene		LM18		0.084	UGG	25-Oct-92
			R03SS13301	SS13301		TAL_METAL	Arsenic		JD19		11	UGG	23-Nov-92
							Barium		JS16		225	UGG	23-Nov-92
							Cadmium		JS16		5.39	UGG	23-Nov-92
							Chromium		JS16		98.4	UGG	23-Nov-92
							Lead		JS16		657	UGG	23-Nov-92
							Mercury		JB01		0.548	UGG	23-Nov-92
							Selenium		JD15		0.527	UGG	23-Nov-92
			R03SS1401	SS1401			Arsenic		JD19		9	UGG	25-Oct-92
							Barium		JS16		233	UGG	25-Oct-92
							Chromium		JS16		56.6	UGG	25-Oct-92
							Lead		JS16		164	UGG	25-Oct-92
							Mercury		JB01		0.0832	UGG	25-Oct-92

Date 4/16/96

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS1401	SS1401	0.5	TCL_BNA	Benzo[b]fluoranthene / 3,		LM18		0.47	UGG	25-Oct-92
							Benzo[def]phenanthrene /		LM18		0.37	UGG	25-Oct-92
							Benzo[k]fluoranthene		LM18		0.27	UGG	25-Oct-92
							Chrysene		LM18		0.37	UGG	25-Oct-92
							Di-n-butyl phthalate		LM18		0.12	UGG	25-Oct-92
							Fluoranthene		LM18		0.38	UGG	25-Oct-92
							Phenanthrene		LM18		0.073	UGG	25-Oct-92
			R03SS1501	SS1501		TAL_METAL	Arsenic		JD19		7.99	UGG	25-Oct-92
							Barium		JS16		208	UGG	25-Oct-92
							Chromium		JS16		18.3	UGG	25-Oct-92
							Lead		JD17		27	UGG	25-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.1	UGG	25-Oct-92
			R03SS1601	SS1601		TAL_METAL	Arsenic		JD19		8.5	UGG	25-Oct-92
							Barium		JS16		235	UGG	25-Oct-92
							Chromium		JS16		19.3	UGG	25-Oct-92
							Lead		JD17		21	UGG	25-Oct-92
						TCL_BNA	Benzo[def]phenanthrene /		LM18		0.16	UGG	25-Oct-92
							Fluoranthene		LM18		0.17	UGG	25-Oct-92
							Phenanthrene	1	LM18		0.045	UGG	25-Oct-92
							Phenol / Carboic acid /		LM18		1.3	UGG	25-Oct-92
			R03SS1701	SS1701		TAL_METAL	Arsenic		JD19		10.9	UGG	25-Oct-92
							Barium		JS16		202	UGG	25-Oct-92
							Chromium		JS16		20.7	UGG	25-Oct-92
							Lead		JS16		21.1	UGG	25-Oct-92
							Lead		JD17		22	UGG	25-Oct-92
			R03SS1801	SS1801			Arsenic		JD19		11	UGG	25-Oct-92
							Barium		JS16		238	UGG	25-Oct-92
							Cadmium		JS16		1.75	UGG	25-Oct-92
							Chromium		JS16		22.4	UGG	25-Oct-92
							Lead		JS16		44.5	UGG	25-Oct-92
			R03SS1901	SS1901		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		0.511	UGG	25-Oct-92
						TAL_METAL	Arsenic		JD19		4.52	UGG	25-Oct-92
							Barium		JS16		114	UGG	25-Oct-92
							Chromium		JS16		19.8	UGG	25-Oct-92
							Lead		JS16		147	UGG	25-Oct-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS1901	SS1901	0.5	TAL_METAL	Mercury		JB01		0.157	UGG	25-Oct-92
						TCL_BNA	Bis(2-ethylhexyl) phthala		LM18		1.4	UGG	25-Oct-92
			R03SS2001	SS2001		TAL_METAL	Arsenic		JD19		9.62	UGG	25-Oct-92
							Barium		JS16		225	UGG	25-Oct-92
							Chromium		JS16		18.6	UGG	25-Oct-92
							Lead		JS16		38	UGG	25-Oct-92
			R03SS2101	SS2101			Arsenic		JD19		31	UGG	25-Oct-92
							Barium		JS16		168	UGG	25-Oct-92
							Cadmium		JS16		2.33	UGG	25-Oct-92
							Chromium		JS16		25.2	UGG	25-Oct-92
							Lead		JS16		153	UGG	25-Oct-92
							Mercury		JB01		0.142	UGG	25-Oct-92
						TCL_BNA	Bis(2-ethylhexyl) phthala		LM18		2.1	UGG	25-Oct-92
			R03SS2201	SS2201		TAL_METAL	Arsenic		JD19		11.3	UGG	25-Oct-92
							Barium		JS16		248	UGG	25-Oct-92
							Cadmium		JS16		1.56	UGG	25-Oct-92
							Chromium		JS16		19.7	UGG	25-Oct-92
							Lead		JS16		155	UGG	25-Oct-92
			R03SS4401	SS4401		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		10.9	UGG	10-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		1900	UGG	10-Oct-92
							Cyclotetramethylenetetran		LW12		130	UGG	10-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		15.7	UGG	10-Oct-92
			R03SS4501	SS4501			1,3,5-Trinitrobenzene		LW12		240	UGG	10-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		85000	UGG	10-Oct-92
			R03SS4601	SS4601			1,3,5-Trinitrobenzene		LW12		23000	UGG	11-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		87000	UGG	11-Oct-92
							2,4-Dinitrotoluene		LW12		210	UGG	11-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		170	UGG	11-Oct-92
			R03SS4801	SS4801			2,4,6-Trinitrotoluene / a		LW12		36000	UGG	13-Oct-92
							2,4-Dinitrotoluene		LW12		74	UGG	13-Oct-92
							Cyclotetramethylenetetran		LW12		610	UGG	13-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		2400	UGG	13-Oct-92
			R03SS4901	SS4901			1,3,5-Trinitrobenzene		LW12		64	UGG	12-Oct-92
							1,3-Dinitrobenzene		LW12		0.797	UGG	12-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		260	UGG	12-Oct-92

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS4901	SS4901	0.5	EXPLOSIVES	2,4-Dinitrotoluene		LW12		7.49	UGG	12-Oct-92
							Cyclotetramethylenetetran		LW12		0.814	UGG	12-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		5.93	UGG	12-Oct-92
			R03SS5001	SS5001			2,4,6-Trinitrotoluene / a		LW12		1.73	UGG	13-Oct-92
			R03SS5101	SS5101			1,3,5-Trinitrobenzene		LW12		2.71	UGG	13-Oct-92
							1,3-Dinitrobenzene		LW12		0.904	UGG	13-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		13.3	UGG	13-Oct-92
							2,4-Dinitrotoluene		LW12		1.28	UGG	13-Oct-92
			R03SS5201	SS5201			1,3,5-Trinitrobenzene		LW12		5.08	UGG	13-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		4.92	UGG	13-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		1.03	UGG	13-Oct-92
			R03SS5301	SS5301			1,3,5-Trinitrobenzene		LW12		1.05	UGG	13-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		3.96	UGG	13-Oct-92
							Cyclotetramethylenetetran		LW12		7.2	UGG	13-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		1.25	UGG	13-Oct-92
			R03SS5401	SS5401			1,3,5-Trinitrobenzene		LW12		2.44	UGG	13-Oct-92
							2,4,6-Trinitrotoluene / a		LW12		270	UGG	13-Oct-92
							Cyclotetramethylenetetran		LW12		3.79	UGG	13-Oct-92
							RDX / Cyclonite / Hexahyd		LW12		4.23	UGG	13-Oct-92
			R03SS5901	SS5901		TAL_METAL	Arsenic		JD19		8.4	UGG	25-Oct-92
							Barium		JS16		63.4	UGG	25-Oct-92
							Cadmium		JS16		2.34	UGG	25-Oct-92
							Chromium		JS16		24.1	UGG	25-Oct-92
							Lead		JS16		606	UGG	25-Oct-92
			R03SS6001	SS6001			Arsenic		JD19		10.5	UGG	26-Oct-92
							Barium		JS16		159	UGG	26-Oct-92
							Chromium		JS16		17.9	UGG	26-Oct-92
							Lead		JS16		727	UGG	26-Oct-92
							Selenium		JD15		1.17	UGG	26-Oct-92
			R03SS601	SS60101		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		9.79	UGG	09-Apr-95
							Cyclotetramethylenetetran	C	LW12		2.53	UGG	09-Apr-95
							RDX / Cyclonite / Hexahyd	C	LW12		1.91	UGG	09-Apr-95
						TAL_METAL	Arsenic		JD19		3.54	UGG	09-Apr-95
							Barium		JS16		160	UGG	09-Apr-95
							Chromium		JS16		10.9	UGG	09-Apr-95

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE		
R03	CSO	SURF	R03SS601	SS60101	0.5	TAL_METAL	Lead		JS16		18	UGG	09-Apr-95		
							Selenium		JD15		0.301	UGG	09-Apr-95		
					SS60103	EXPLOSIVES	2,4,6-Trinitrotoluene / a	CD	LW12		8	UGG	09-Apr-95		
							Cyclotetramethylenetetran	CD	LW12		3.25	UGG	09-Apr-95		
							RDX / Cyclonite / Hexahyd	CD	LW12		1.84	UGG	09-Apr-95		
						TAL_METAL	Arsenic	D	JD19		4.87	UGG	09-Apr-95		
						Barium	D	JS16		260	UGG	09-Apr-95			
						Chromium	D	JS16		15.4	UGG	09-Apr-95			
						Lead	D	JS16		21.9	UGG	09-Apr-95			
						Selenium	D	JD15		0.3	UGG	09-Apr-95			
					R03SS602	SS60201	EXPLOSIVES	1,3,5-Trinitrobenzene	C	LW12		3.78	UGG	09-Apr-95	
							2,4,6-Trinitrotoluene / a	C	LW12		17.9	UGG	09-Apr-95		
							Cyclotetramethylenetetran	C	LW12		0.791	UGG	09-Apr-95		
							Nitrobenzene / Essence of	C	LW12		4.87	UGG	09-Apr-95		
							RDX / Cyclonite / Hexahyd	C	LW12		2.99	UGG	09-Apr-95		
							TAL_METAL	Arsenic	JD19		6.11	UGG	09-Apr-95		
							Barium	JS16		117	UGG	09-Apr-95			
							Chromium	JS16		6.47	UGG	09-Apr-95			
							Lead	JS16		34.6	UGG	09-Apr-95			
							R03SS603	SS60301	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		6.67	UGG
							TAL_METAL	Arsenic	JD19		3.06	UGG	09-Apr-95		
								Barium	JS16		241	UGG	09-Apr-95		
								Chromium	JS16		10.3	UGG	09-Apr-95		
								Lead	JS16		118	UGG	09-Apr-95		
							SS60304	EXPLOSIVES	1,3,5-Trinitrobenzene	CD	LW12		0.929	UGG	09-Apr-95
									2,4,6-Trinitrotoluene / a	CD	LW12		10.2	UGG	09-Apr-95
									RDX / Cyclonite / Hexahyd	CD	LW12		1.97	UGG	09-Apr-95
								TAL_METAL	Arsenic	D	JD19		3.22	UGG	09-Apr-95
						Barium	D	JS16		126	UGG	09-Apr-95			
						Chromium	D	JS16		10.8	UGG	09-Apr-95			
						Lead	D	JS16		76.9	UGG	09-Apr-95			
			R03SS607	SS60701	EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		2.07	UGG	09-Apr-95			
					TAL_METAL	Arsenic	JD19		2.58	UGG	09-Apr-95				
						Barium	JS16		87.1	UGG	09-Apr-95				
						Cadmium	JS16		1.02	UGG	09-Apr-95				

hok.

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS607	SS60701	0.5	TAL_METAL	Chromium		JS16		14.5	UGG	09-Apr-95
							Lead		JS16		65.8	UGG	09-Apr-95
							Mercury		JB01		0.2	UGG	09-Apr-95
			R03SS608	SS60801			Arsenic		JD19		2.46	UGG	09-Apr-95
							Barium		JS16		111	UGG	09-Apr-95
							Cadmium		JS16		1.38	UGG	09-Apr-95
							Chromium		JS16		78.7	UGG	09-Apr-95
							Lead		JS16		117	UGG	09-Apr-95
							Mercury		JB01		0.161	UGG	09-Apr-95
				SS60803		EXPLOSIVES	2,4,6-Trinitrotoluene / a	CD	LW12		2.21	UGG	09-Apr-95
						TAL_METAL	Arsenic	D	JD19		2.77	UGG	09-Apr-95
							Barium	D	JS16		178	UGG	09-Apr-95
							Cadmium	D	JS16		1.46	UGG	09-Apr-95
							Chromium	D	JS16		17.3	UGG	09-Apr-95
							Lead	D	JS16		74.6	UGG	09-Apr-95
			R03SS609	SS60901		EXPLOSIVES	2,4,6-Trinitrotoluene / a	C	LW12		2.37	UGG	09-Apr-95
						TAL_METAL	Arsenic		JD19		2.67	UGG	09-Apr-95
							Barium		JS16		90.7	UGG	09-Apr-95
							Chromium		JS16		36.2	UGG	09-Apr-95
							Lead		JS16		22.1	UGG	09-Apr-95
							Mercury		JB01		0.321	UGG	09-Apr-95
			R03SS6101	SS6101			Arsenic		JD19		7.81	UGG	26-Oct-92
							Barium		JS16		174	UGG	26-Oct-92
							Chromium		JS16		19.2	UGG	26-Oct-92
							Lead		JS16		66	UGG	26-Oct-92
							Selenium		JD15		1.3	UGG	26-Oct-92
			R03SS6201	SS6201			Arsenic		JD19		4.92	UGG	26-Oct-92
							Barium		JS16		23.2	UGG	26-Oct-92
							Chromium		JS16		6.8	UGG	26-Oct-92
							Lead		JS16		42.2	UGG	26-Oct-92
			R03SS6301	SS6301			Arsenic		JD19		7.71	UGG	26-Oct-92
							Barium		JS16		38.4	UGG	26-Oct-92
							Chromium		JS16		7.44	UGG	26-Oct-92
							Lead		JS16		34.6	UGG	26-Oct-92
			R03SS6601	SS6601			Arsenic		JD19		3.97	UGG	27-Oct-92

Date 4/16/96

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	R03SS6601	SS6601	0.5	TAL_METAL	Barium		JS16		75.6	UGG	27-Oct-92
							Cadmium		JS16		9.82	UGG	27-Oct-92
							Chromium		JS16		102	UGG	27-Oct-92
							Lead		JS16		774	UGG	27-Oct-92
							Mercury		JB01		0.422	UGG	27-Oct-92
							Silver		JS16		260	UGG	27-Oct-92
			R03SS6701	SS6701			Arsenic		JD19		7.11	UGG	27-Oct-92
							Barium		JS16		202	UGG	27-Oct-92
							Chromium		JS16		13.8	UGG	27-Oct-92
							Lead		JS16		25.9	UGG	27-Oct-92
			R03SS7201	SS7201			Arsenic		JD19		6.37	UGG	27-Oct-92
							Barium		JS16		205	UGG	27-Oct-92
							Cadmium		JS16		3.74	UGG	27-Oct-92
							Chromium		JS16		19.3	UGG	27-Oct-92
							Lead		JS16		86.6	UGG	27-Oct-92
			R03SS8501	SS8501			Arsenic		JD19		5.17	UGG	09-Nov-92
							Barium		JS16		202	UGG	09-Nov-92
							Cadmium		JS16		3.74	UGG	09-Nov-92
							Chromium		JS16		38.8	UGG	09-Nov-92
							Lead		JS16		439	UGG	09-Nov-92
							Mercury		JB01		0.0795	UGG	09-Nov-92
							Selenium		JD15		0.503	UGG	09-Nov-92
			R03SS8701	SS8701			Arsenic		JD19		6.9	UGG	10-Nov-92
							Barium		JS16		174	UGG	10-Nov-92
							Cadmium		JS16		2.16	UGG	10-Nov-92
							Chromium		JS16		74.7	UGG	10-Nov-92
							Lead		JS16		326	UGG	10-Nov-92
							Mercury		JB01		0.107	UGG	10-Nov-92
			R03SS8801	SS8801			Arsenic		JD19		12	UGG	26-Oct-92
							Barium		JS16		342	UGG	26-Oct-92
							Chromium		JS16		19.2	UGG	26-Oct-92
							Lead		JS16		21.6	UGG	26-Oct-92
							Selenium		JD15		0.813	UGG	26-Oct-92
			R03SS9101	SS9101			Arsenic		JD19		79	UGG	09-Nov-92
							Barium		JS16		491	UGG	09-Nov-92

902

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE		
R03	CSO	SURF	R03SS9101	SS9101	0.5	TAL_METAL	Cadmium		JS16		31.6	UGG	09-Nov-92		
							Chromium		JS16		296	UGG	09-Nov-92		
							Lead		JS16		3030	UGG	09-Nov-92		
							Mercury		JB01		0.862	UGG	09-Nov-92		
							Selenium		JD15		0.435	UGG	09-Nov-92		
			R03SS9201	SS9201					Arsenic		JD19		5.61	UGG	09-Nov-92
									Barium		JS16		169	UGG	09-Nov-92
									Cadmium		JS16		6.69	UGG	09-Nov-92
									Chromium		JS16		18.8	UGG	09-Nov-92
									Lead		JS16		70.9	UGG	09-Nov-92
			R03SS9301	SS9301					Arsenic		JD19		3.81	UGG	09-Nov-92
									Barium		JS16		90.5	UGG	09-Nov-92
									Chromium		JS16		11.8	UGG	09-Nov-92
									Lead		JS16		119	UGG	09-Nov-92
									Arsenic		JD19		11	UGG	18-Nov-92
		R03SS9501	SS9501					Barium		JS16		216	UGG	18-Nov-92	
								Chromium		JS16		67.3	UGG	18-Nov-92	
								Lead		JS16		226	UGG	18-Nov-92	
								Arsenic		JD19		10	UGG	18-Nov-92	
								Barium		JS16		276	UGG	18-Nov-92	
		R03SS9701	SS9701					Cadmium		JS16		1.13	UGG	18-Nov-92	
								Chromium		JS16		113	UGG	18-Nov-92	
								Lead		JS16		379	UGG	18-Nov-92	
								Arsenic		JD19		4.51	UGG	18-Sep-92	
								Cyclotetramethylenetetran		LW12		0.757	UGG	18-Sep-92	
								RDX / Cyclonite / Hexahyd		LW12		6.57	UGG	18-Sep-92	
								Arsenic		JD19		7.54	UGG	18-Sep-92	
								Barium		JS16		200	UGG	18-Sep-92	
								Chromium		JS16		18	UGG	18-Sep-92	
								Lead		JD17		22	UGG	18-Sep-92	
SU17SA0102	SA0102	BORE			2.7	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		2.73	UGG	18-Sep-92		
						EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		2.6	UGG	18-Sep-92		
						TAL_METAL	Arsenic		JD19		7.64	UGG	18-Sep-92		
						TAL_METAL	Barium		JS16		199	UGG	18-Sep-92		
						TAL_METAL	Chromium		JS16		20	UGG	18-Sep-92		
SU17SA0202	SA0202					EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		2.73	UGG	18-Sep-92		
						EXPLOSIVES	RDX / Cyclonite / Hexahyd		LW12		2.6	UGG	18-Sep-92		
						TAL_METAL	Arsenic		JD19		7.64	UGG	18-Sep-92		
						TAL_METAL	Barium		JS16		199	UGG	18-Sep-92		
						TAL_METAL	Chromium		JS16		20	UGG	18-Sep-92		

207

Table 6.3-2 Line 3 (R03)
All Detectable Data

SMMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	SU17SA0202	SA0202	2.7	TAL_METAL	Lead		JS16		49.2	UGG	18-Sep-92
		SURF	SU17SS0101	SS0101	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		8.6	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		3.52	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1.99	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		2.03	UGG	18-Sep-92
							Barium		JS16		66.5	UGG	18-Sep-92
							Cadmium		JS16		1.57	UGG	18-Sep-92
							Chromium		JS16		10.6	UGG	18-Sep-92
							Lead		JS16		41.8	UGG	18-Sep-92
			SU17SS0201	SS0201		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.48	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		0.912	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		8.64	UGG	18-Sep-92
							Barium		JS16		190	UGG	18-Sep-92
							Cadmium		JS16		1.54	UGG	18-Sep-92
							Chromium		JS16		21.7	UGG	18-Sep-92
							Lead		JS16		256	UGG	18-Sep-92
		BORE	SU18SA0102	SA0102	2.8	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.45	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		0.683	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		4.55	UGG	18-Sep-92
							Barium		JS16		89.7	UGG	18-Sep-92
							Chromium		JS16		9.04	UGG	18-Sep-92
							Lead		JS16		34.5	UGG	18-Sep-92
			SU18SA0202	SA0202		EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		3.01	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		1.04	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		6.51	UGG	18-Sep-92
							Barium		JS16		218	UGG	18-Sep-92
							Chromium		JS16		21.6	UGG	18-Sep-92
							Lead		JS16		75.1	UGG	18-Sep-92
		SURF	SU18SS0101	SS0101	0.5	EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		2.89	UGG	18-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		950	UGG	18-Sep-92
							2,4-Dinitrotoluene		LW12		2.16	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		220	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		31	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		2.95	UGG	18-Sep-92
							Barium		JS16		66.7	UGG	18-Sep-92

for

Table 6.3-2 Line 3 (R03)
 All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	SURF	SU18SS0101	SS0101	0.5	TAL_METAL	Cadmium		JS16		2.6	UGG	18-Sep-92
							Chromium		JS16		10.3	UGG	18-Sep-92
							Lead		JS16		48.3	UGG	18-Sep-92
							Mercury		JB01		0.958	UGG	18-Sep-92
			SU18SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.511	UGG	18-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		150	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		3.04	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		28	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		11.2	UGG	18-Sep-92
							Barium		JS16		130	UGG	18-Sep-92
							Cadmium		JS16		0.976	UGG	18-Sep-92
							Chromium		JS16		21.7	UGG	18-Sep-92
							Lead		JS16		65	UGG	18-Sep-92
		BORE	SU19SA0102	SA0102	3.1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		1.23	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		6.46	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		6.1	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		6.85	UGG	18-Sep-92
							Barium		JS16		173	UGG	18-Sep-92
							Chromium		JS16		18.4	UGG	18-Sep-92
							Lead		JD17		16	UGG	18-Sep-92
			SU19SA0202	SA0202		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		1.12	UGG	18-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		6.51	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		3.66	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		12.4	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		6.06	UGG	18-Sep-92
							Barium		JS16		229	UGG	18-Sep-92
							Chromium		JS16		20	UGG	18-Sep-92
							Lead		JD17		22	UGG	18-Sep-92
							Selenium		JD15		0.518	UGG	18-Sep-92
			SU19SA0302	SA0302	1	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		4.3	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		4.68	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		16.3	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		5.11	UGG	18-Sep-92
							Barium		JS16		235	UGG	18-Sep-92
							Chromium		JS16		15.3	UGG	18-Sep-92

209

Table 6.3-2 Line 3 (R03)
All Detectable Data

SWMU	MEDIA TYPE	SITE TYPE	SITE ID	FIELD ID	DEPTH (ft)	PARAMETER GROUP	ANALYTE	FLAG CODE	METHOD	BOOL	RESULT	UNITS	SAMPLE DATE
R03	CSO	BORE	SU19SA0302	SA0302	1	TAL_METAL	Lead		JD17		22	UGG	18-Sep-92
							Selenium		JD15		0.489	UGG	18-Sep-92
		SURF	SU19SS0101	SS0101	0.5	EXPLOSIVES	2,4,6-Trinitrotoluene / a		LW12		4.42	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		1.5	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		18.2	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		2.3	UGG	18-Sep-92
							Barium		JS16		15.7	UGG	18-Sep-92
							Lead		JD17		10.8	UGG	18-Sep-92
							Mercury		JB01		0.0531	UGG	18-Sep-92
			SU19SS0201	SS0201		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.969	UGG	18-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		9.83	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		10.3	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		13.4	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		7.1	UGG	18-Sep-92
							Barium		JS16		270	UGG	18-Sep-92
							Chromium		JS16		19.9	UGG	18-Sep-92
							Lead		JD17		19	UGG	18-Sep-92
			SU19SS0301	SS0301		EXPLOSIVES	1,3,5-Trinitrobenzene		LW12		0.987	UGG	18-Sep-92
							2,4,6-Trinitrotoluene / a		LW12		160	UGG	18-Sep-92
							Cyclotetramethylenetetran		LW12		45	UGG	18-Sep-92
							RDX / Cyclonite / Hexahyd		LW12		320	UGG	18-Sep-92
						TAL_METAL	Arsenic		JD19		7.92	UGG	18-Sep-92
							Barium		JS16		228	UGG	18-Sep-92
							Chromium		JS16		28.7	UGG	18-Sep-92
							Lead		JS16		76.2	UGG	18-Sep-92
							Selenium		JD15		0.588	UGG	18-Sep-92
	CSW	STRM	03SW0701	03SW0701		EXPLOSIVES	Cyclotetramethylenetetran		UW01		3.99	UGL	14-Aug-91
							RDX / Cyclonite / Hexahyd		UW01		15.2	UGL	14-Aug-91
							Tetryl / N-Methyl-N,2,4,6		UW01		5.68	UGL	14-Aug-91
						TAL_METAL	Arsenic		AX8		4.19	UGL	14-Aug-91
							Barium		SS12		73.7	UGL	14-Aug-91
					0	TCL_VOA	Chloromethane		UM21		3.1	UGL	14-Aug-91
		DTCH	R03SW3501	SW3501		EXPLOSIVES	RDX / Cyclonite / Hexahyd		UW32		2.13	UGL	27-Oct-92
						TAL_METAL	Barium		SS10		98.1	UGL	27-Oct-92
							Lead		SD20		2.28	UGL	27-Oct-92