

 **CIMARRON CORPORATION**

**CIMARRON FACILITY  
OVERALL SITE MAP**

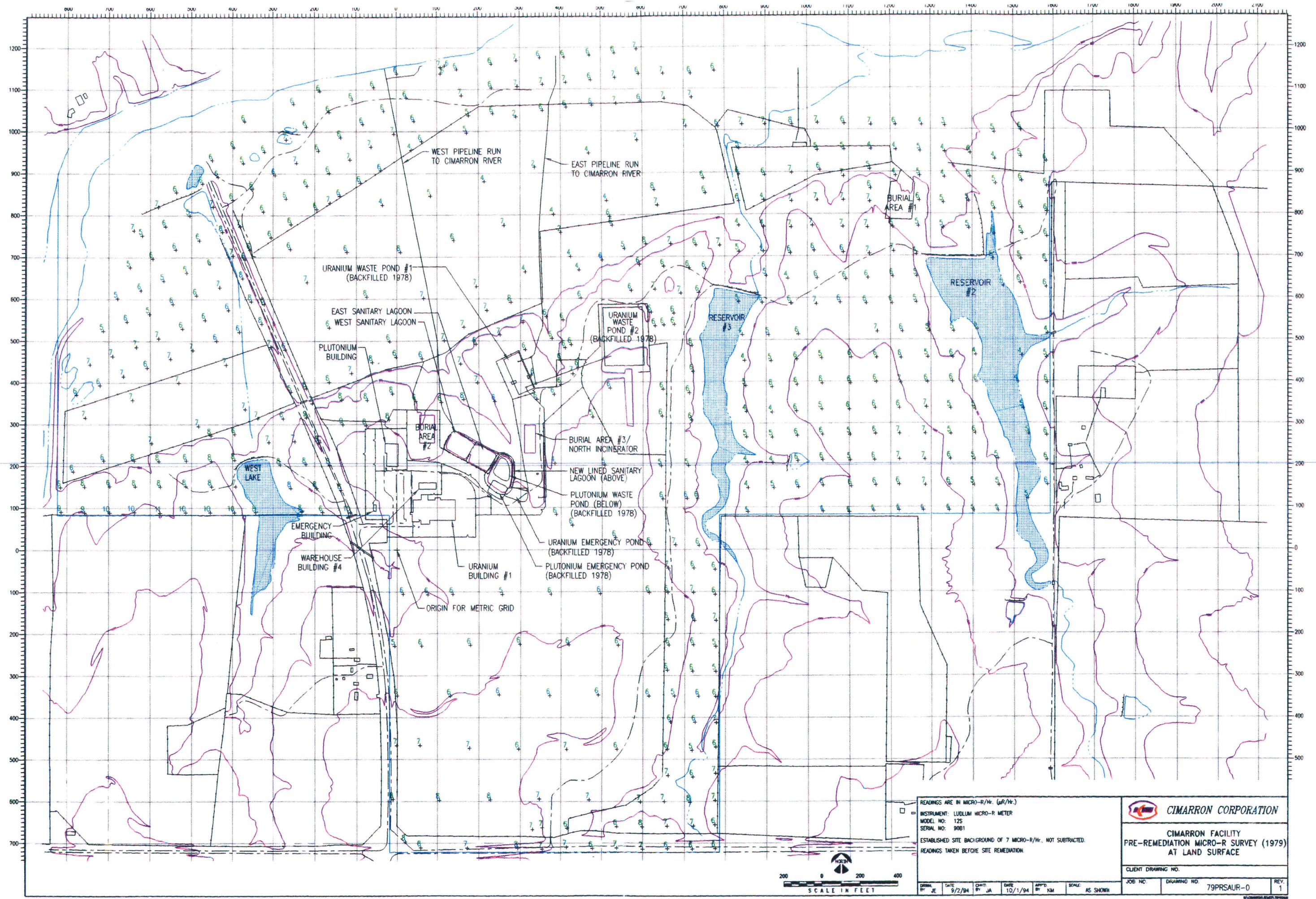
CLIENT DRAWING NO.

JOB NO. DRAWING NO. 94MOST-RF7 REV. 0

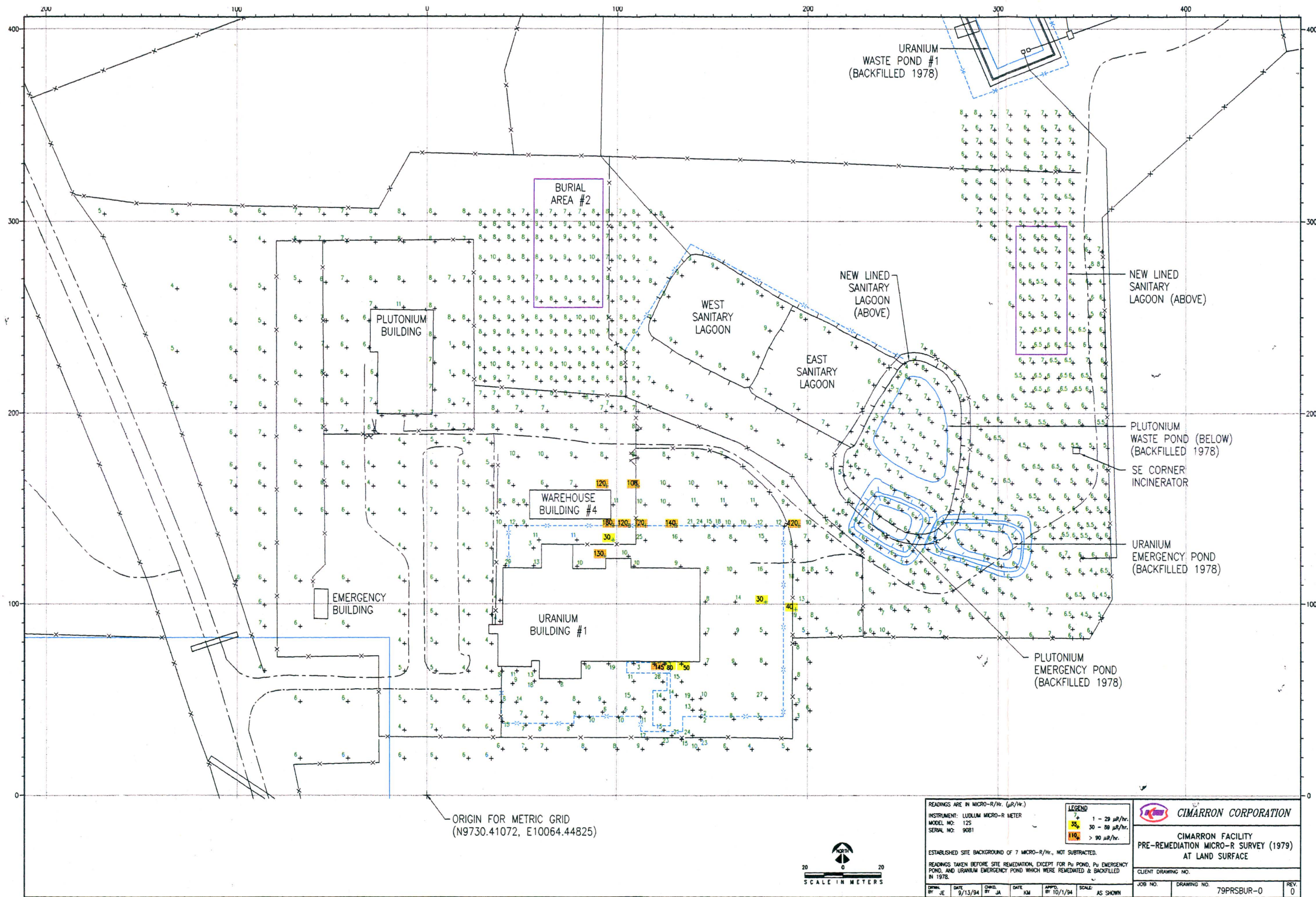
DATE 9/30/94 CHKD BY JA DATE 10/1/94 APPD BY KM SCALE AS SHOWN

BY CIMARRON/RENEE/PAQUOT



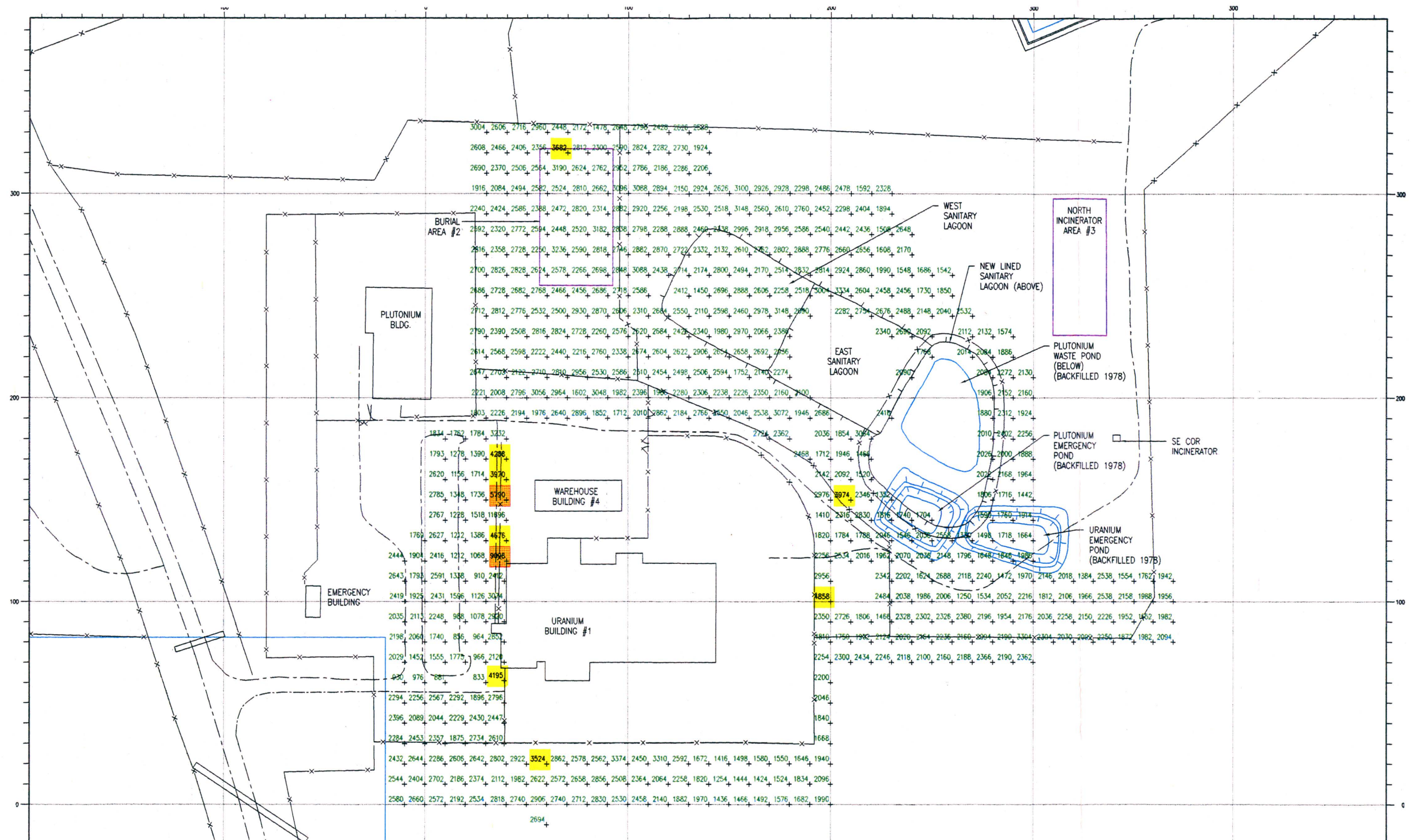







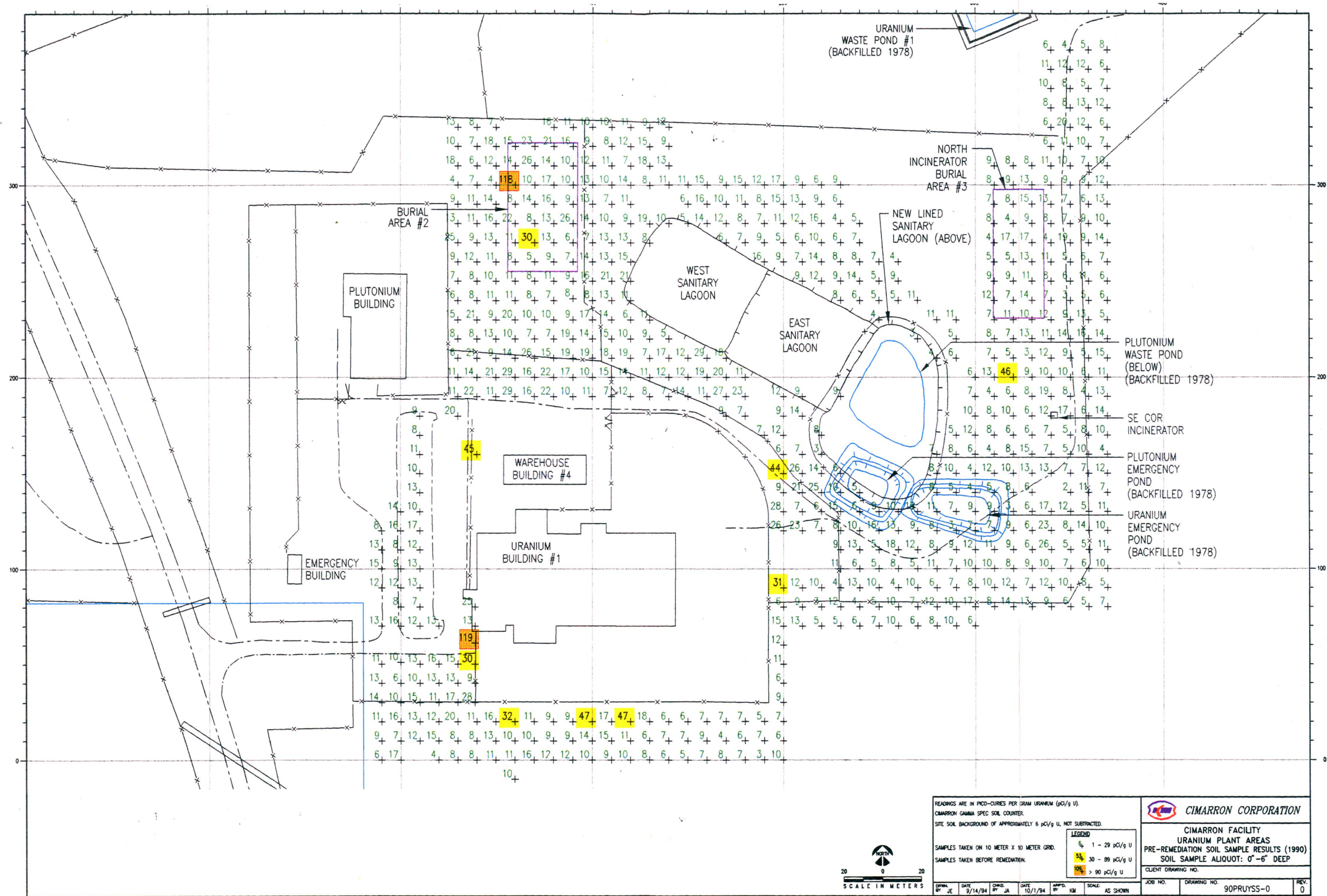
READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ )		<b>LEGEND</b> 7+ 1 - 29 $\mu R/Hr.$ 33+ 30 - 89 $\mu R/Hr.$ 110+ > 90 $\mu R/Hr.$	
INSTRUMENT: LUDLUM MICRO-R METER MODEL NO: 125 SERIAL NO: 9081			
ESTABLISHED SITE BACKGROUND OF 7 MICRO-R/Hr., NOT SUBTRACTED.			
READINGS TAKEN BEFORE SITE REMEDIATION, EXCEPT FOR PU POND, PU EMERGENCY POND, AND URANIUM EMERGENCY POND WHICH WERE REMEDIATED & BACKFILLED IN 1978.			
DATE: 9/13/94	DATE: 10/1/94	SCALE: AS SHOWN	<b>CIMARRON CORPORATION</b> CIMARRON FACILITY PRE-REMEDIATION MICRO-R SURVEY (1979) AT LAND SURFACE
JOB NO. 79PRSBUR-0 DRAWING NO. 79PRSBUR-0 REV. 0			



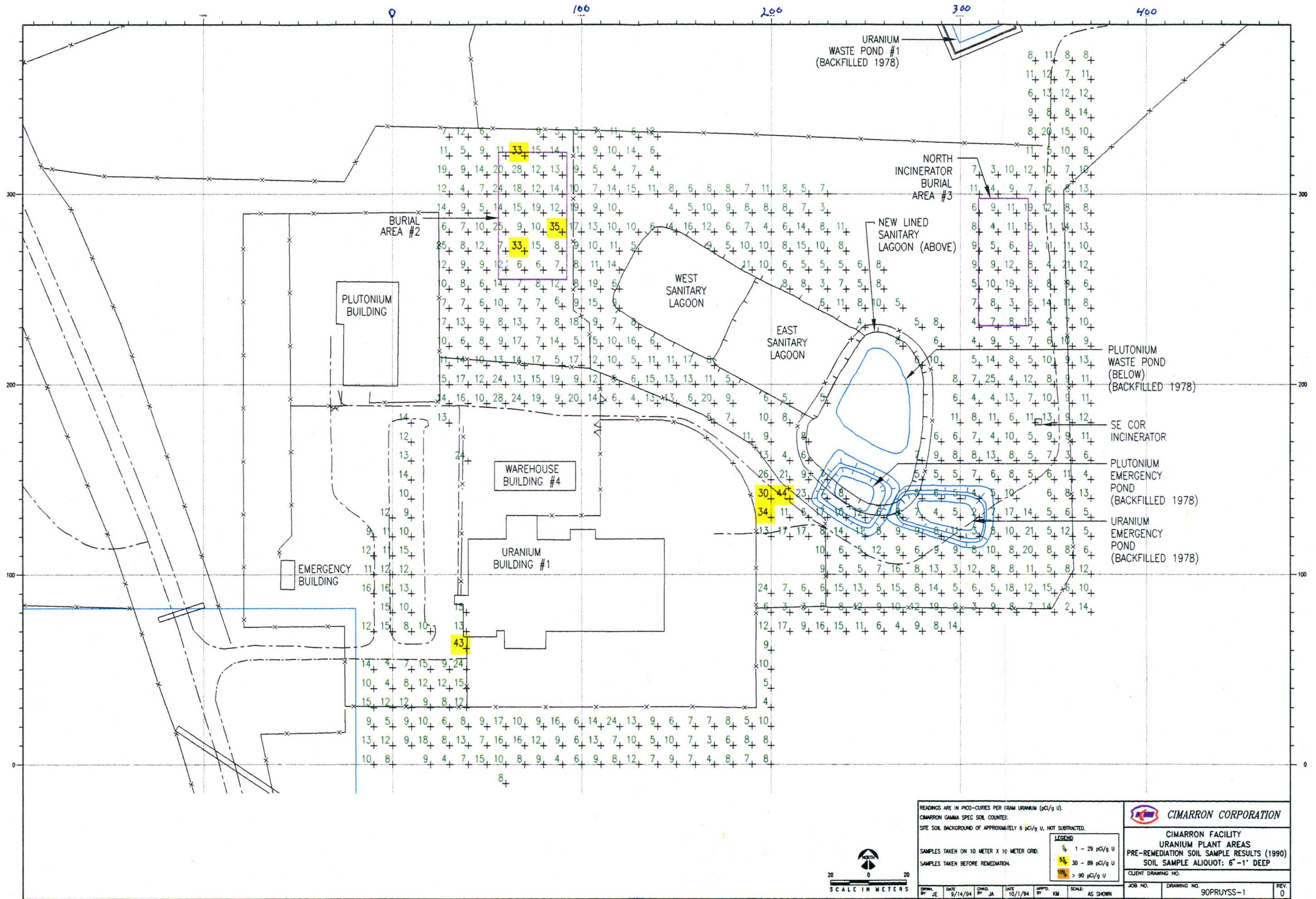


INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" x 1/2" NaI DETECTOR.		 <b>CIMARRON CORPORATION</b>	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		<b>CIMARRON FACILITY URANIUM PLANT AREAS PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)</b>	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT DRAWING NO.	
DATE: 9/14/94	BY: JE	DATE: 10/1/94	BY: KM
SCALE: AS SHOWN		JOB NO. 90PRUY3D-0	REV. 0

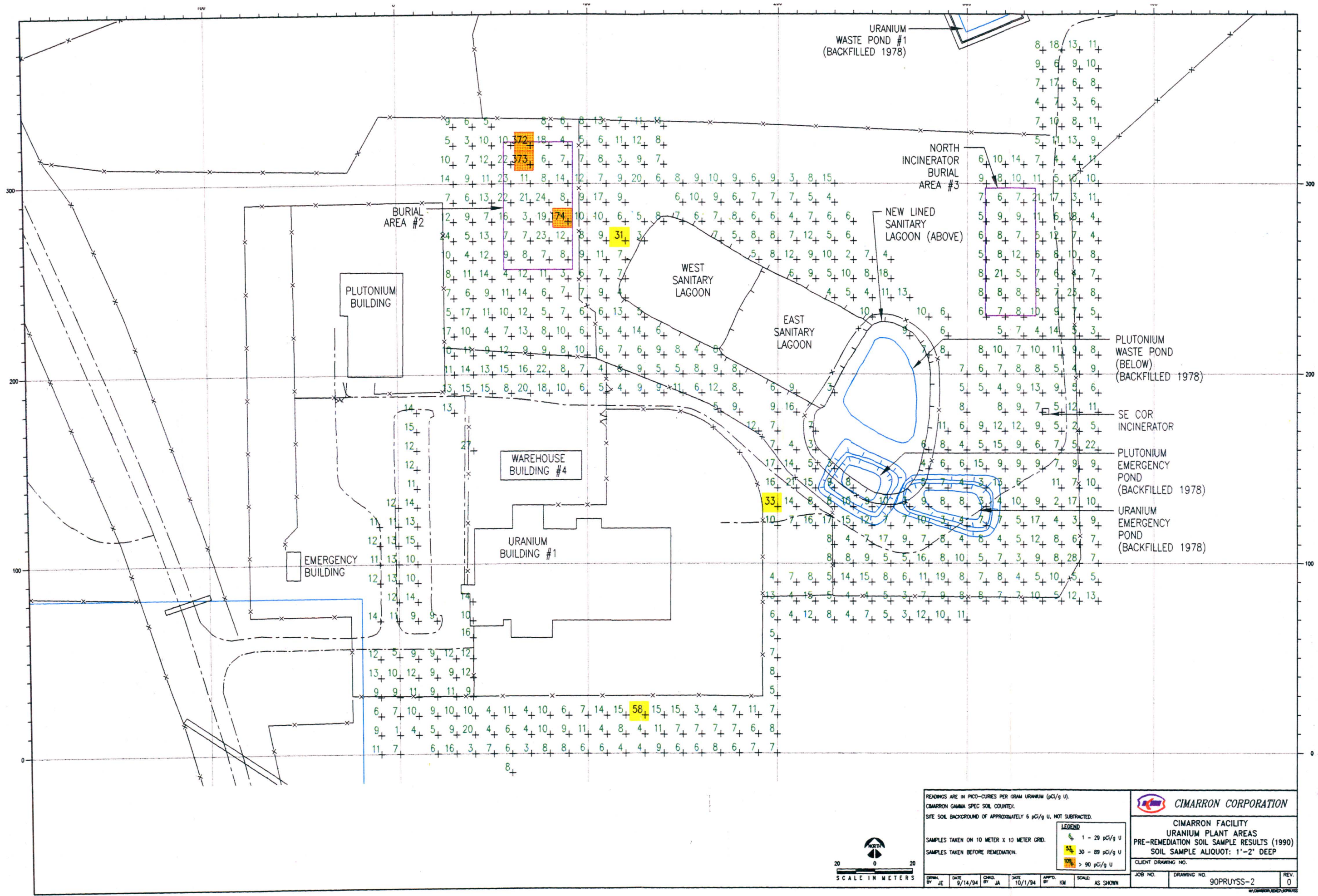












READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).  
CIMARRON GAMMA SPEC SOIL COUNTER.  
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.

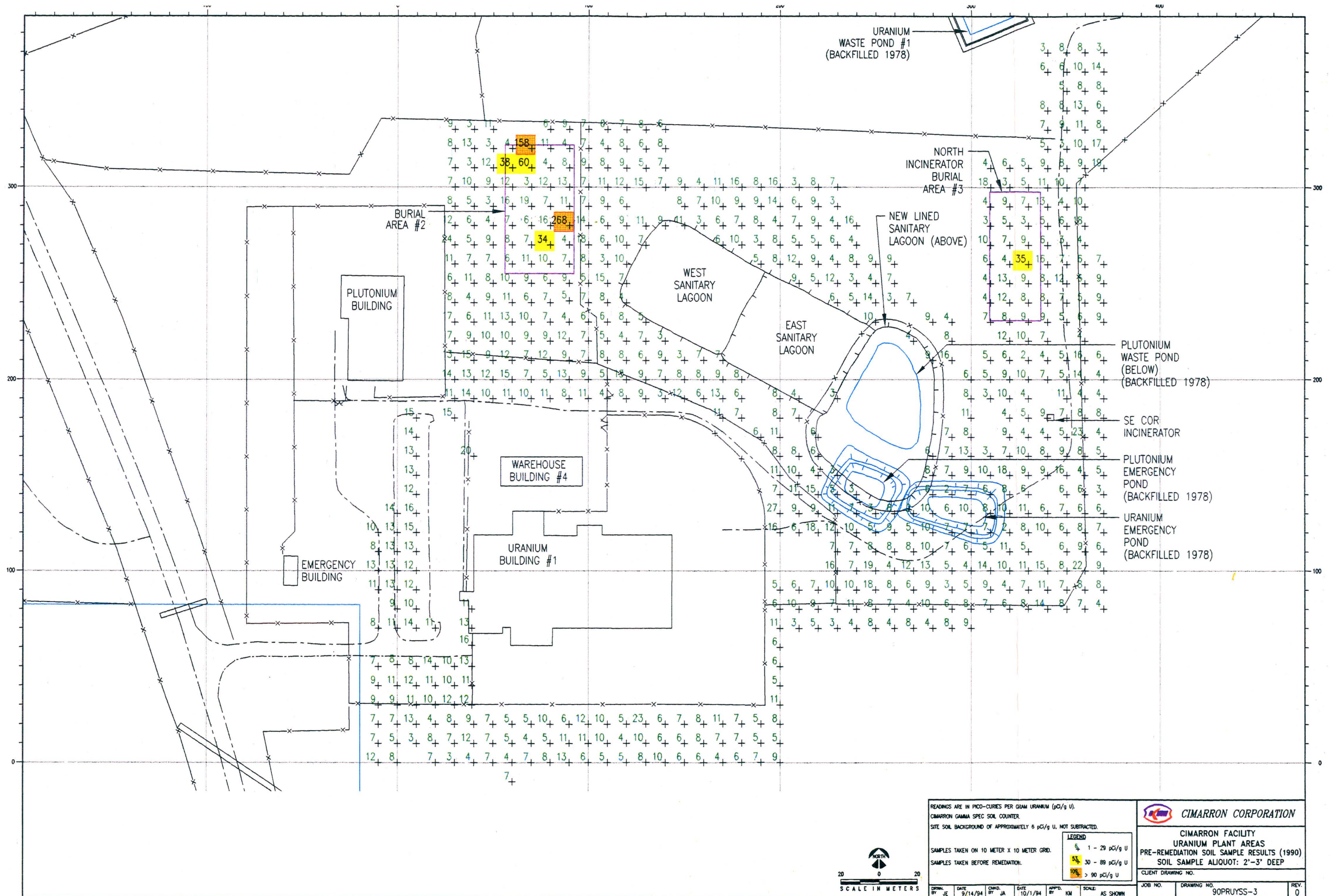
SAMPLES TAKEN ON 10 METER X 10 METER GRID.  
SAMPLES TAKEN BEFORE REMEDIATION.

LEGEND  
1 - 29 pCi/g U  
30 - 89 pCi/g U  
> 90 pCi/g U

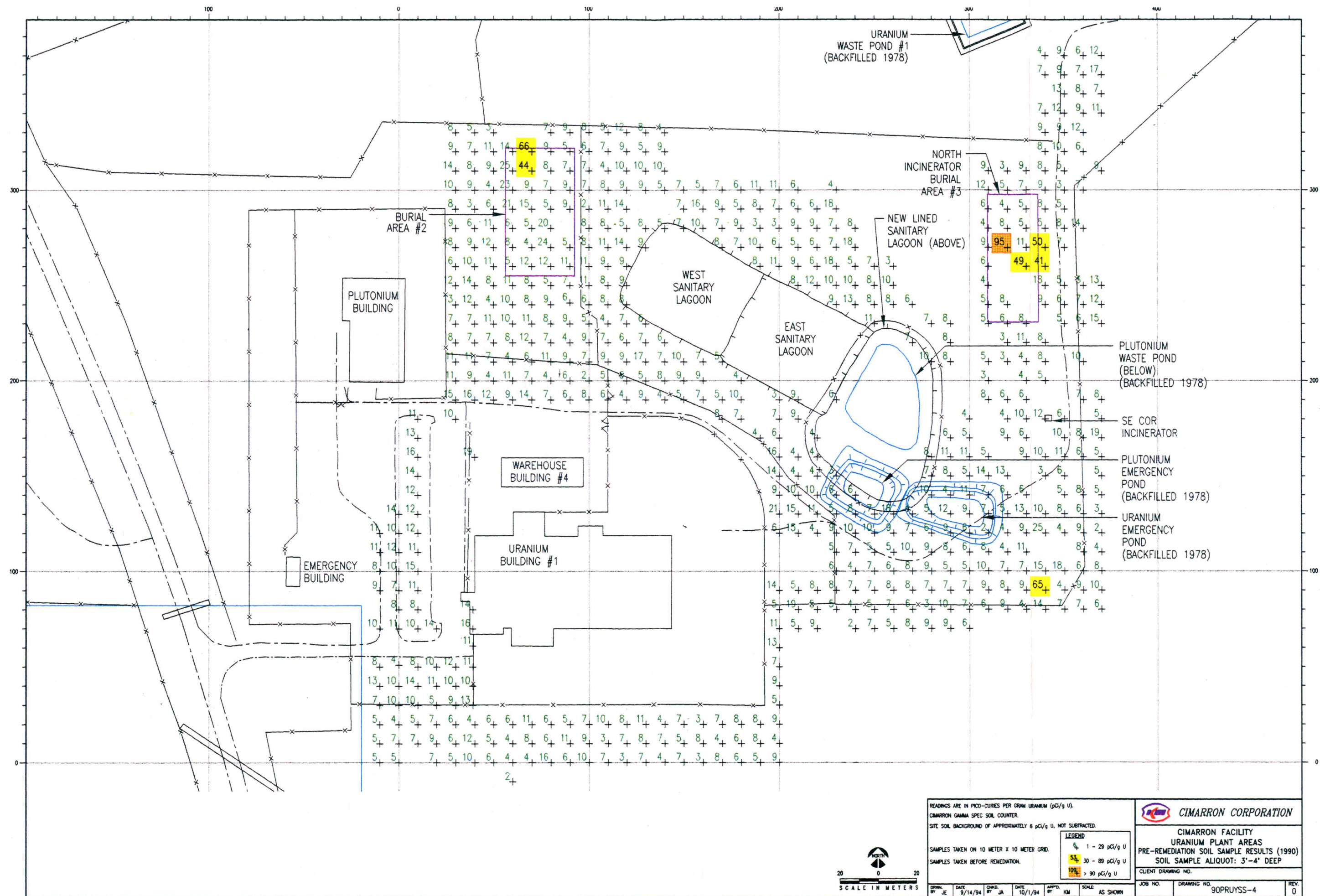
CIMARRON CORPORATION  
CIMARRON FACILITY  
URANIUM PLANT AREAS  
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALIQUOT: 1'-2' DEEP  
CLIENT DRAWING NO.  
JOB NO. DRAWING NO. 90PRUYSS-2 REV. 0

DATE 9/14/94 DATE 10/1/94  
BY JE BY KM  
SCALE AS SHOWN

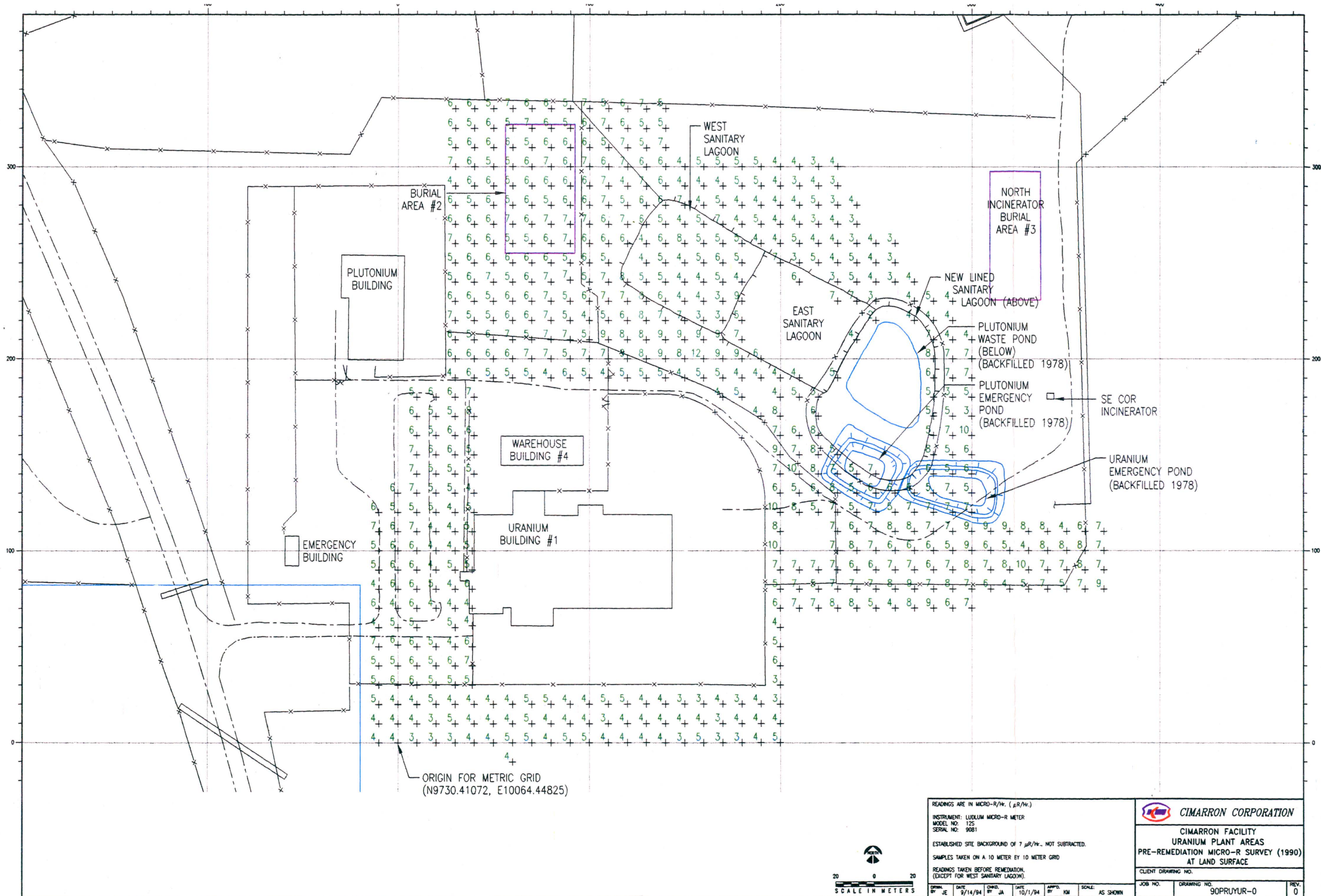




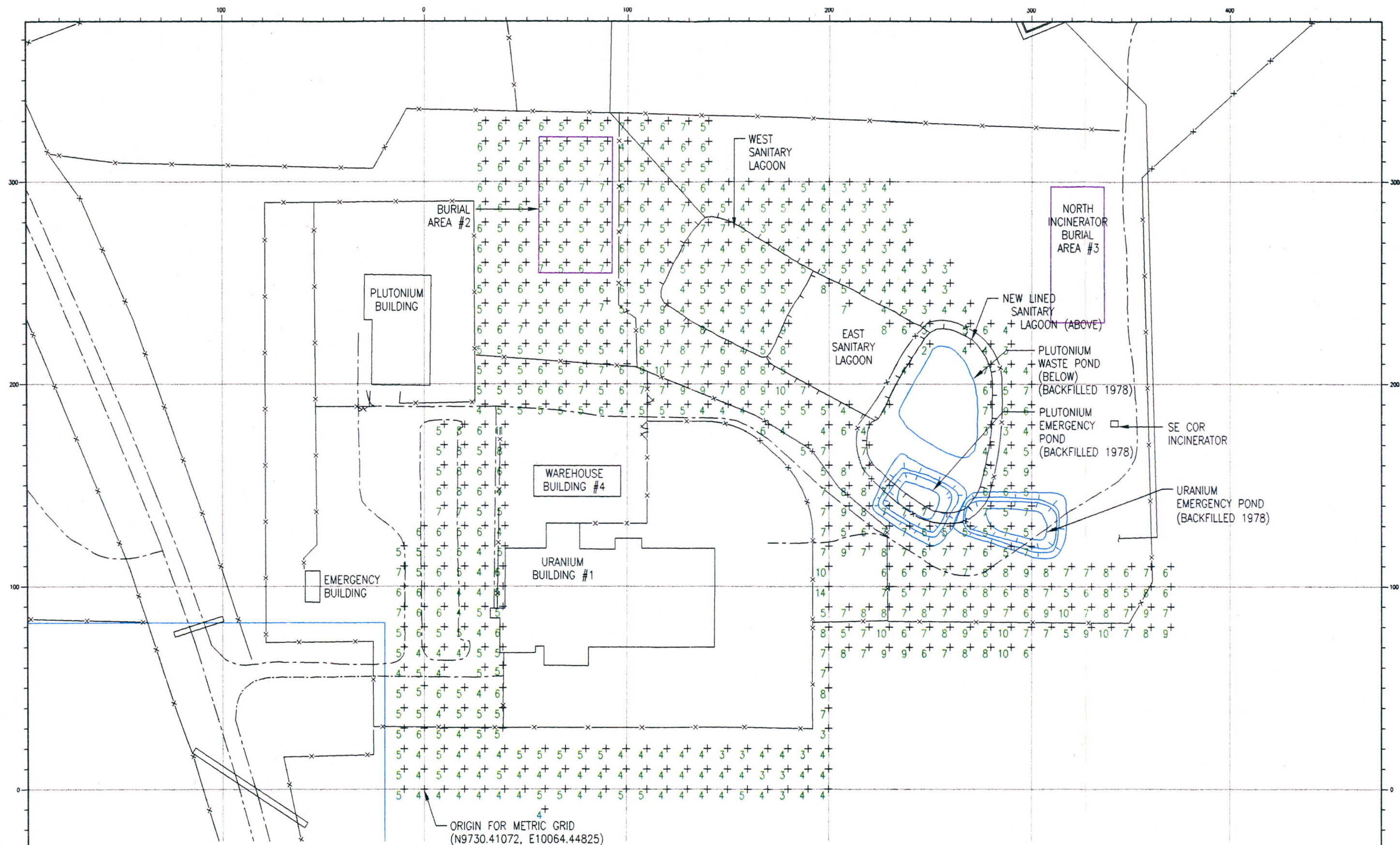












READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ )

INSTRUMENT: LUDLUM MICRO-R METER

MODEL NO. 125

SERIAL NO. 9081

ESTABLISHED SITE BACKGROUND OF  $7 \mu R/Hr.$  NOT SUBTRACTED.

SAMPLES TAKEN ON A 10 METER BY 10 METER GRID

READINGS TAKEN BEFORE REMEDIATION  
(EXCEPT FOR WEST SANITARY LAGOON)

DATE: 9/14/94

BY: JE

DATE: 10/1/94

BY: JA

DATE: 10/1/94

BY: KM

SCALE: AS SHOWN

**CIMARRON CORPORATION**

CIMARRON FACILITY

URANIUM PLANT AREAS

PRE-REMEDIATION MICRO-R SURVEY (1990)

AT ONE METER ABOVE SURFACE

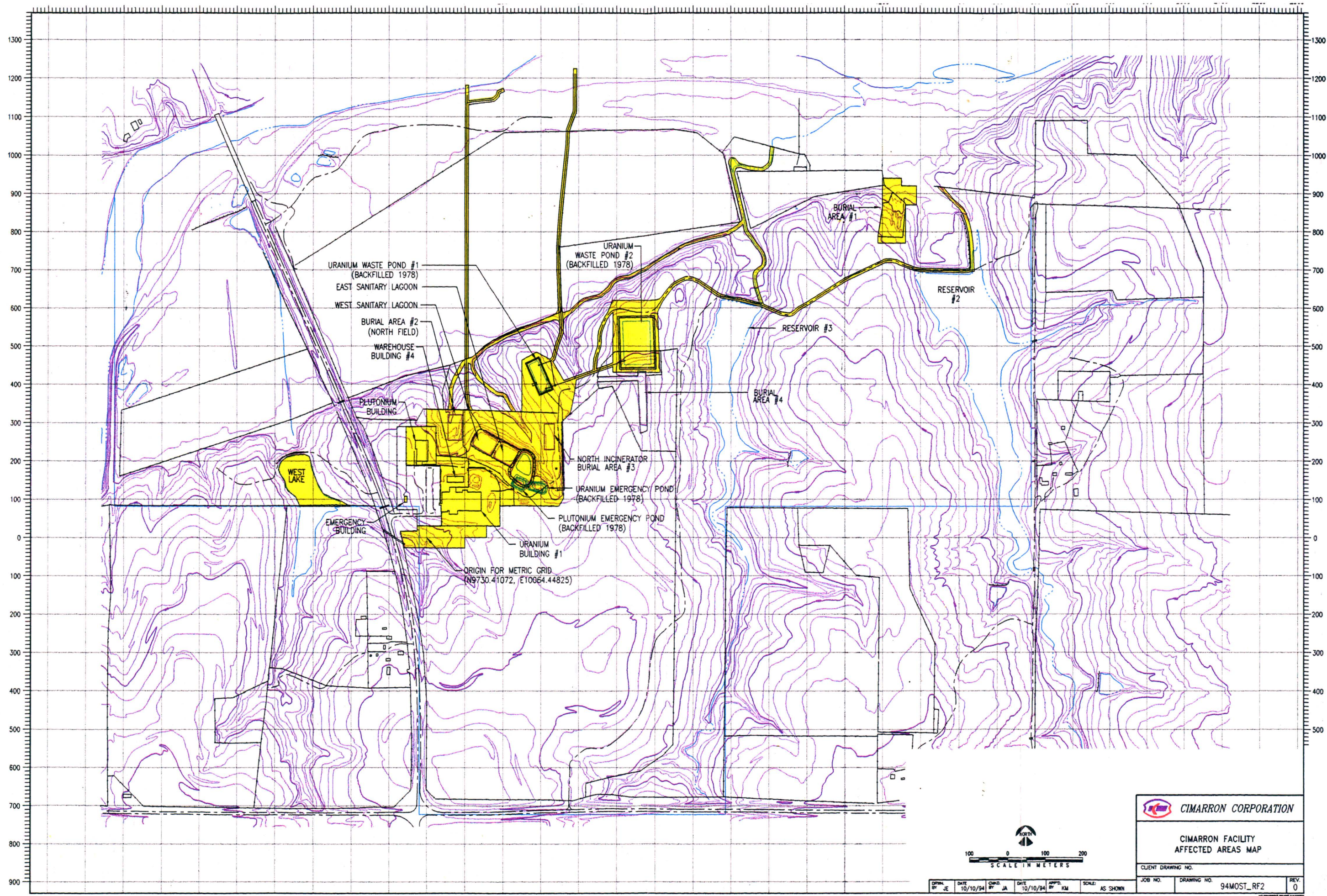
CLIENT DRAWING NO.

JOB NO. 90PRUYUR-1

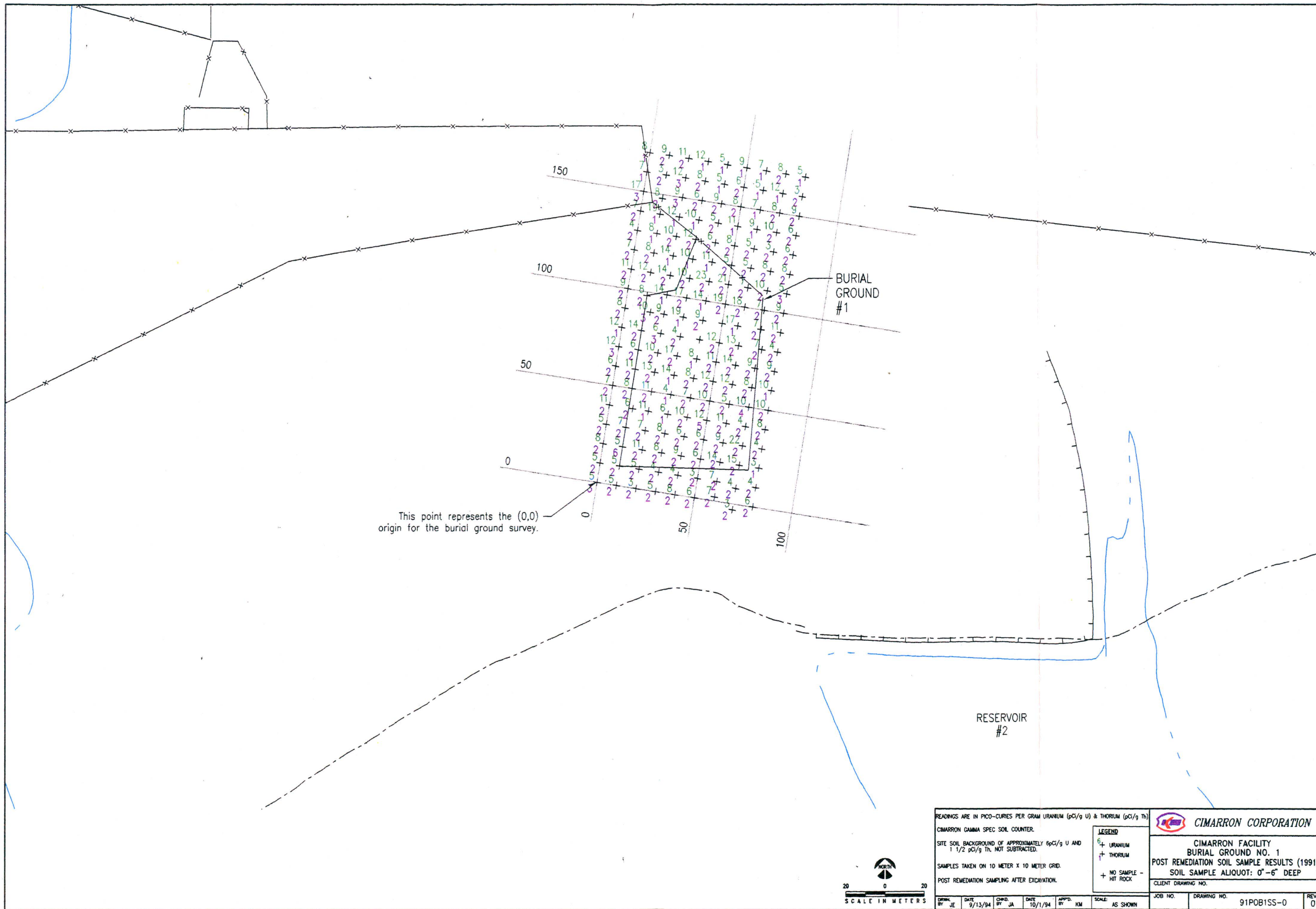
DRAWING NO. 90PRUYUR-1

REV. 0









This point represents the (0,0)  
origin for the burial ground survey.



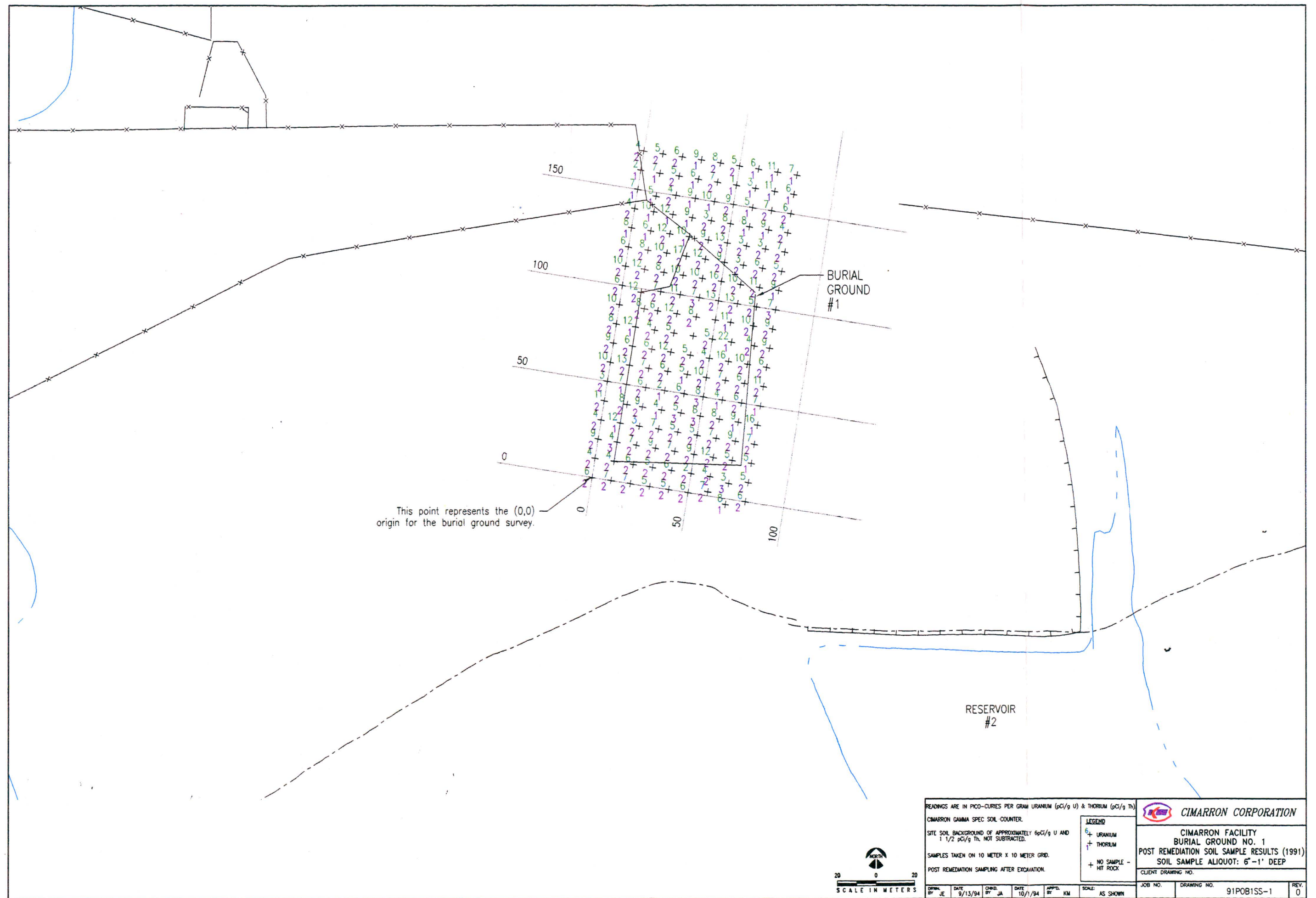
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)  
CIMARRON GAMMA SPEC SOIL COUNTER.  
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND  
1 1/2 pCi/g Th, NOT SUBTRACTED.  
SAMPLES TAKEN ON 10 METER X 10 METER GRID.  
POST REMEDIATION SAMPLING AFTER EXCAVATION.

LEGEND  
6+ URANIUM  
1+ THORIUM  
+ NO SAMPLE -  
HIT ROCK

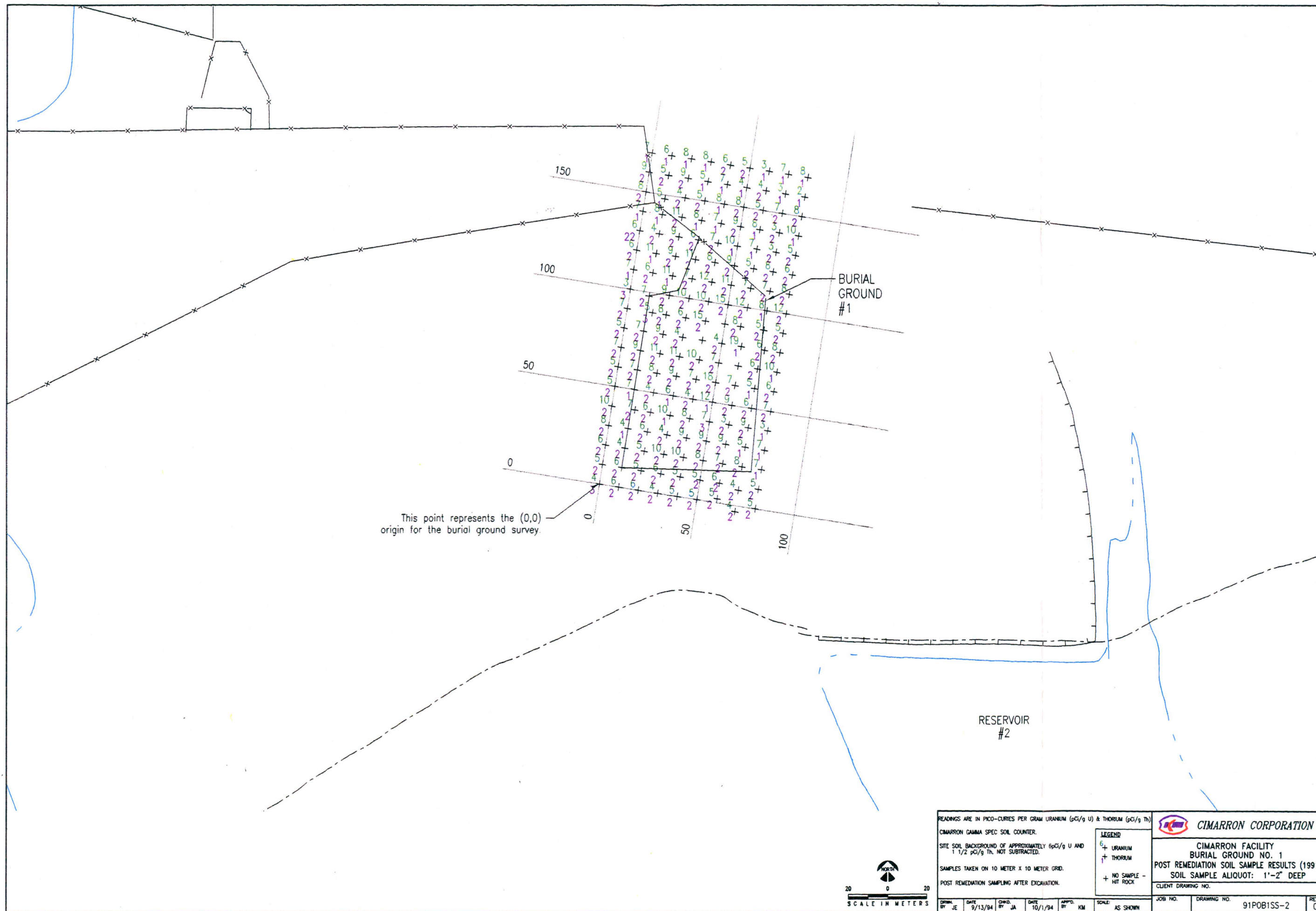
CIMARRON FACILITY BURIAL GROUND NO. 1 POST REMEDIATION SOIL SAMPLE RESULTS (1991) SOIL SAMPLE ALIQUOT: 0" - 6" DEEP			
CLIENT DRAWING NO.			
JOB NO.	DRAWING NO.	REV.	
	91POB1SS-0	0	

W:\CIMARRON\BKGND\91POB1SS










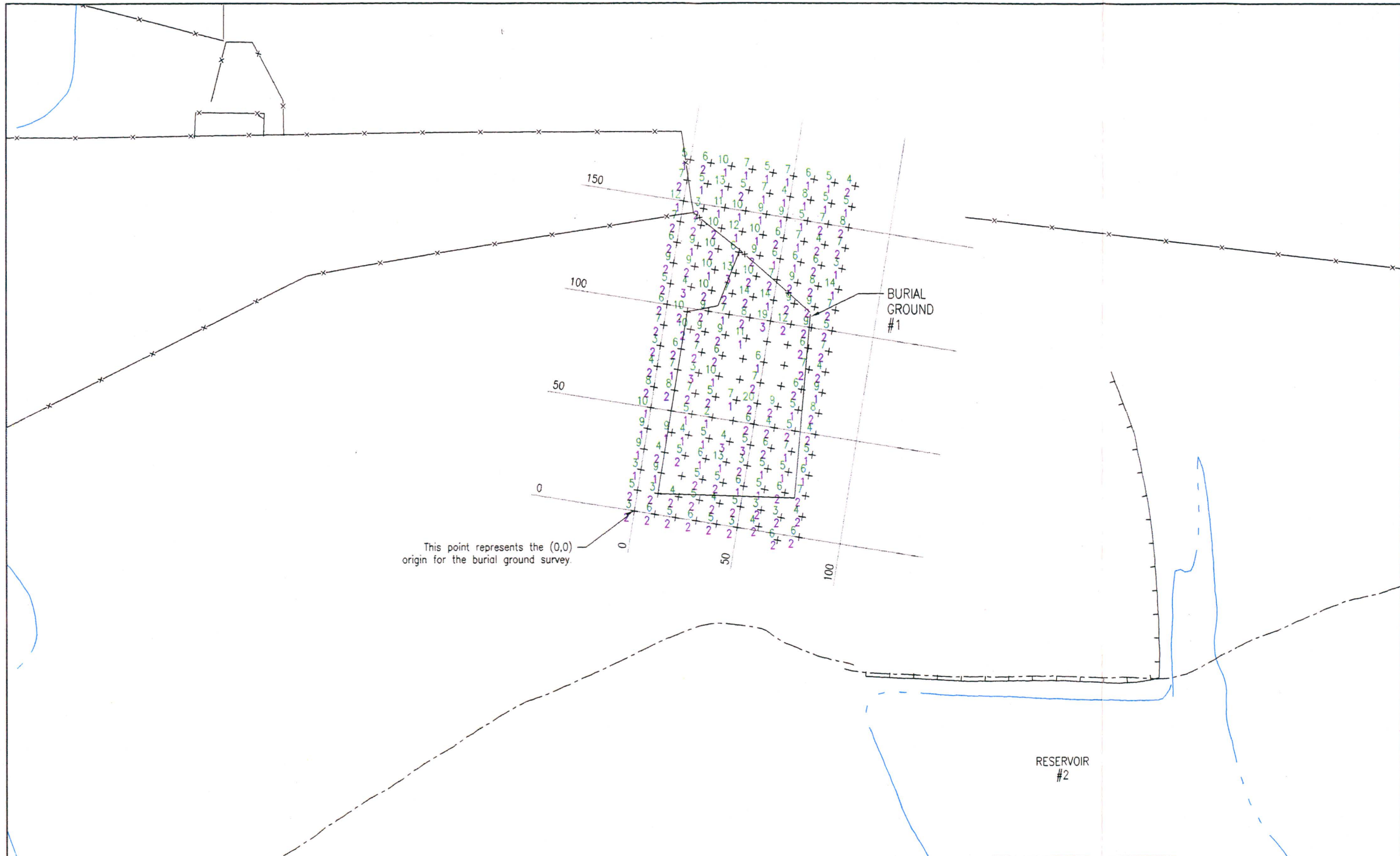
This point represents the (0,0)  
origin for the burial ground survey.



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)				 <b>CIMARRON CORPORATION</b>	
CIMARRON GAMMA SPEC SOIL COUNTER.					
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2 pCi/g Th. NOT SUBTRACTED.					
SAMPLES TAKEN ON 10 METER X 10 METER GRID.					
POST REMEDIATION SAMPLING AFTER EXCAVATION.					
<b>LEGEND</b> ⊕ URANIUM † THORIUM + NO SAMPLE - HIT ROCK				<b>CIMARRON FACILITY BURIAL GROUND NO. 1 POST REMEDIATION SOIL SAMPLE RESULTS (1991) SOIL SAMPLE ALIQUOT: 1'-2" DEEP</b>	
CLIENT DRAWING NO.				JOB NO.	
DRAWING NO.				REV.	
91POB1SS-2				0	

NO. CIMARRON, REMED, 91POB1SS



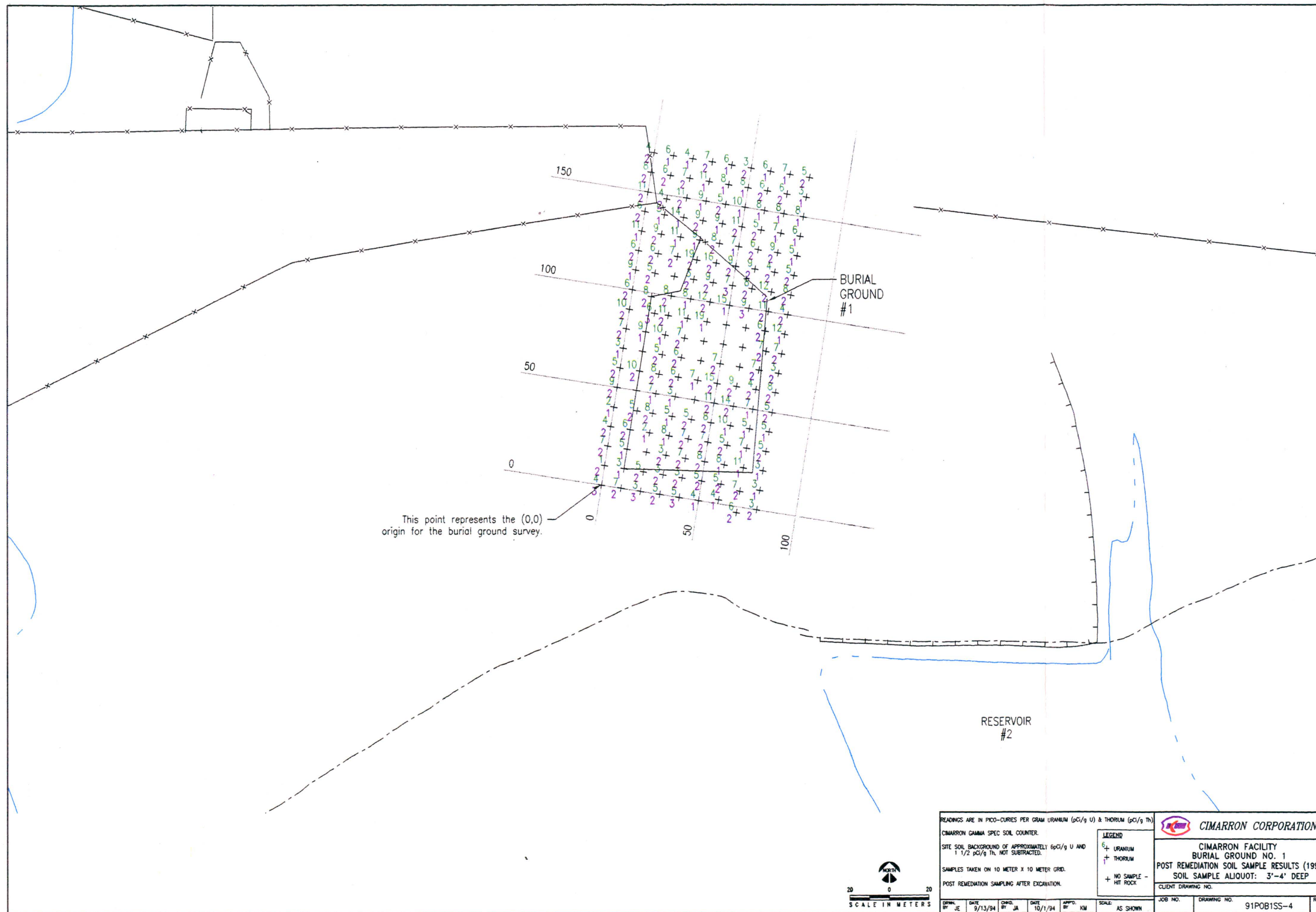


This point represents the (0,0)  
origin for the burial ground survey.



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)					
CIMARRON GAMMA SPEC SOIL COUNTER.					
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2 pCi/g Th, NOT SUBTRACTED.					
SAMPLES TAKEN ON 10 METER X 10 METER GRID.					
POST REMEDIATION SAMPLING AFTER EXCAVATION.					
				<b>LEGEND</b>	
				6+ URANIUM	
				+ THORIUM	
				+ NO SAMPLE - HIT ROCK	
				<b>CIMARRON FACILITY</b>	
				<b>BURIAL GROUND NO. 1</b>	
				<b>POST REMEDIATION SOIL SAMPLE RESULTS (1991)</b>	
				<b>SOIL SAMPLE ALIQUOT: 2'-3' DEEP</b>	
				CLIENT DRAWING NO.	
JOB NO.		DRAWING NO.		REV.	
91POB1SS-3		91POB1SS-3		0	





This point represents the (0,0)  
origin for the burial ground survey.



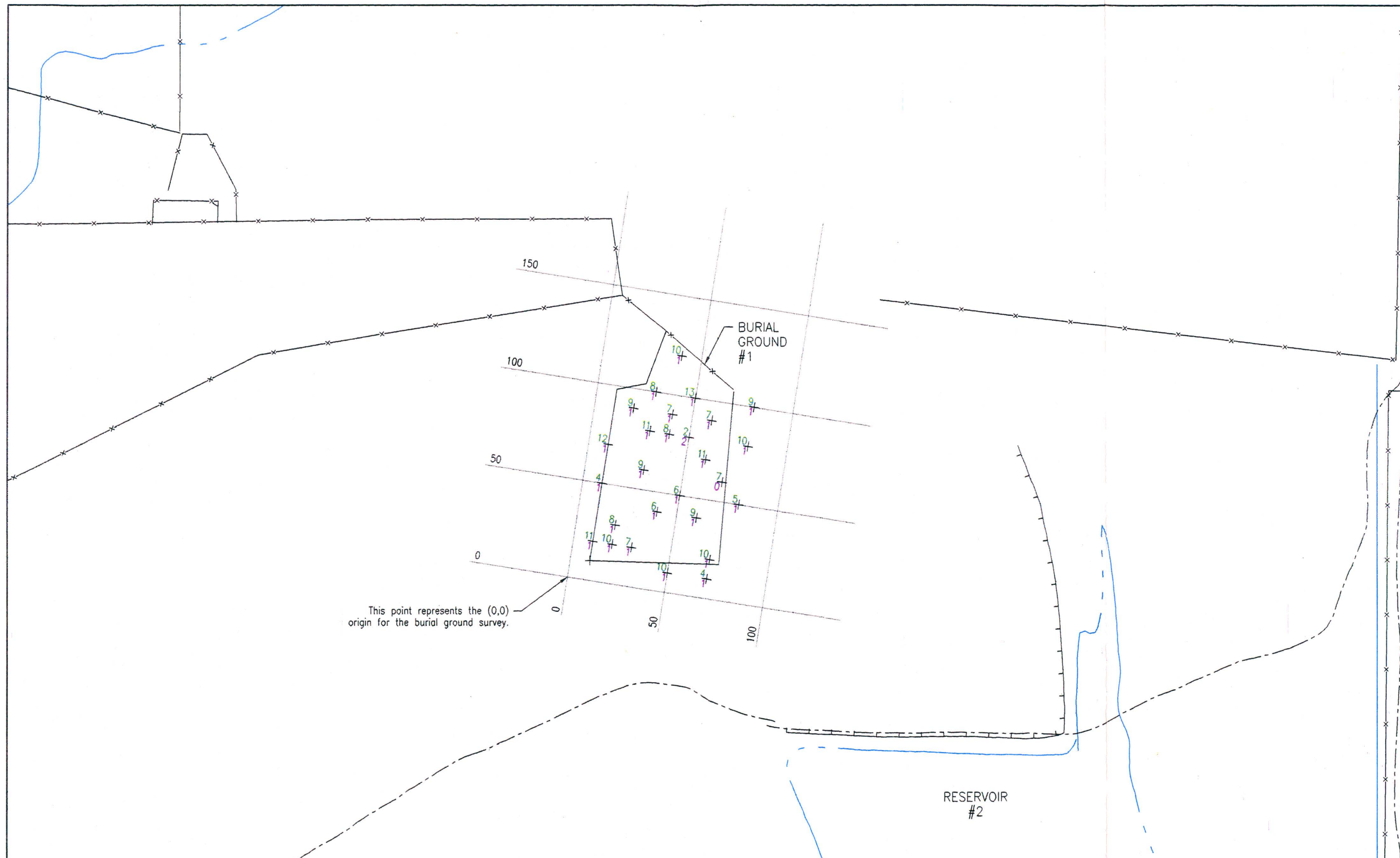
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)							
CIMARRON GAMMA SPEC SOIL COUNTER.						LEGEND	
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2 pCi/g Th. NOT SUBTRACTED.						+ URANIUM	
SAMPLES TAKEN ON 10 METER X 10 METER GRID.						+ THORIUM	
POST REMEDIATION SAMPLING AFTER EXCAVATION.						+ NO SAMPLE - HIT ROCK	
CIMARRON FACILITY BURIAL GROUND NO. 1 POST REMEDIATION SOIL SAMPLE RESULTS (1991) SOIL SAMPLE ALIQUOT: 3'-4' DEEP						CLIENT DRAWING NO.	
DATE	BY	DATE	BY	DATE	BY	JOB NO.	DRAWING NO.
9/13/94	JE	10/1/94	JA		KM		91POB1SS-4
SCALE: AS SHOWN						REV.	0





INSTRUMENT: LUDLUM 2220 S/N 48395 LEAD-SHIELDED 3" X 1/2" NaI DETECTOR.		<b>CIMARRON CORPORATION</b>	
<b>LEGEND</b> 3300+ < 3500 CPM 4530+ 3500 - 4999 CPM 5530+ > 5000 CPM		<b>CIMARRON FACILITY</b> <b>BURIAL GROUND NO. 1</b> <b>POST REMEDIATION GAMMA SURVEY (1991)</b> <b>READINGS IN CPM (3" DET.)</b>	
SAMPLES TAKEN ON 10 METER X 10 METER GRID.		CLIENT DRAWING NO.	
SURVEY PERFORMED AFTER REMEDIATION, BUT BEFORE BACKFILL.		JOB NO. DRAWING NO. 91POB13D-0 REV. A	
DATE 8/26/94	CHKD. BY	DATE	APPRO. BY
SCALE: AS SHOWN			





This point represents the (0,0)  
origin for the burial ground survey.

BURIAL  
GROUND  
#1

RESERVOIR  
#2

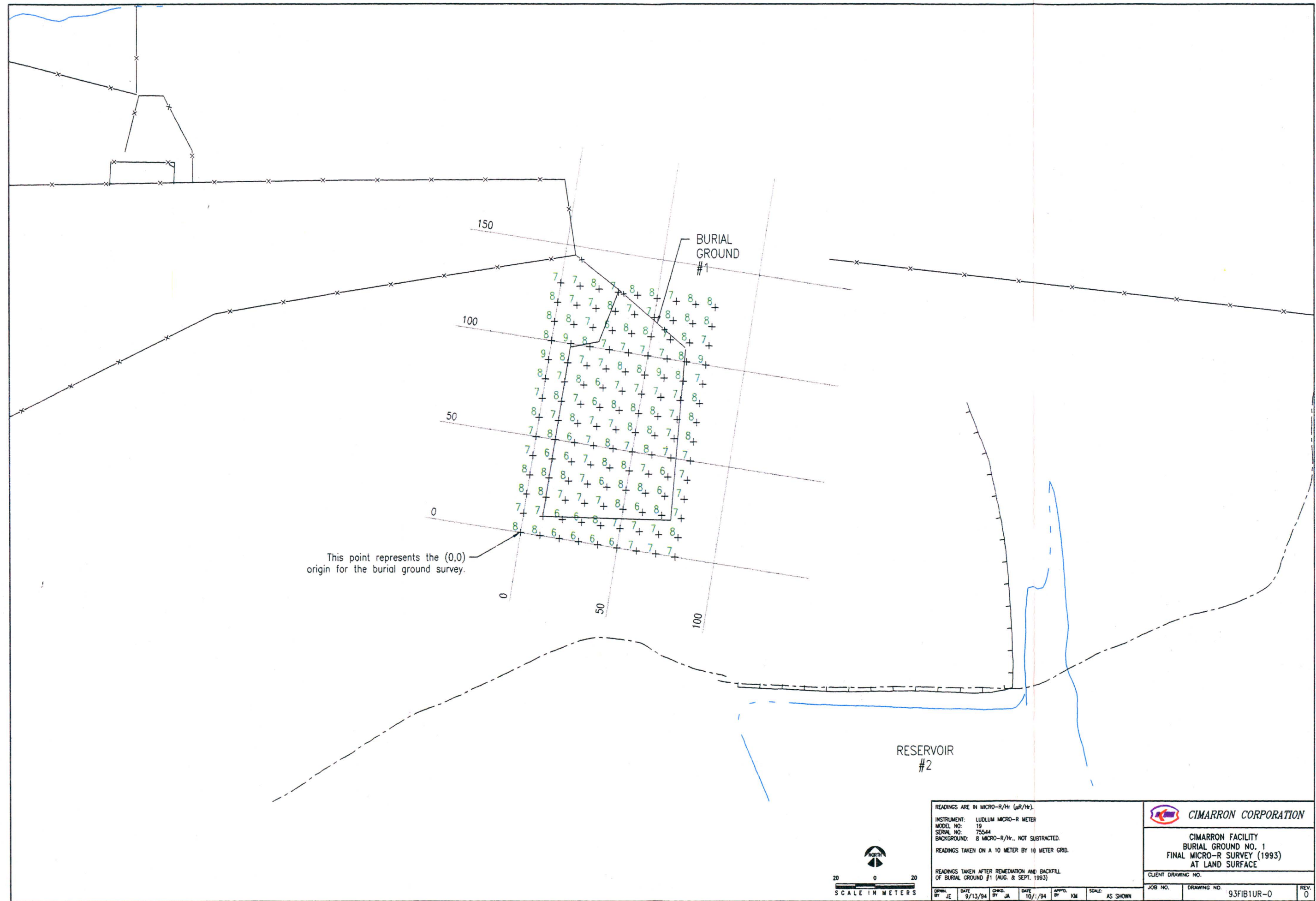
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U)  
AND IN PICO-CURIES PER GRAM THORIUM (pCi/g Th).  
CIMARRON GAMMA SPEC. SOIL COUNTER.  
URANIUM BACKGROUND OF 6 pCi/g, NOT SUBTRACTED.  
THORIUM BACKGROUND OF 1.5 pCi/g, NOT SUBTRACTED.  
RANDOM SURFACE SAMPLING OF BACKFILLED AREA  
TAKEN ON A 10 METER X 10 METER GRID INTERSECT.  
(AUGUST 1993).

LEGEND  
+ URANIUM  
+ THORIUM

CIMARRON FACILITY BURIAL GROUND NO. 1 FINAL SOIL SAMPLE RESULTS (1993) SOIL SAMPLE ALIQUOT: 0-6" DEEP	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO. 93FIB1SS-0
REV. 0	

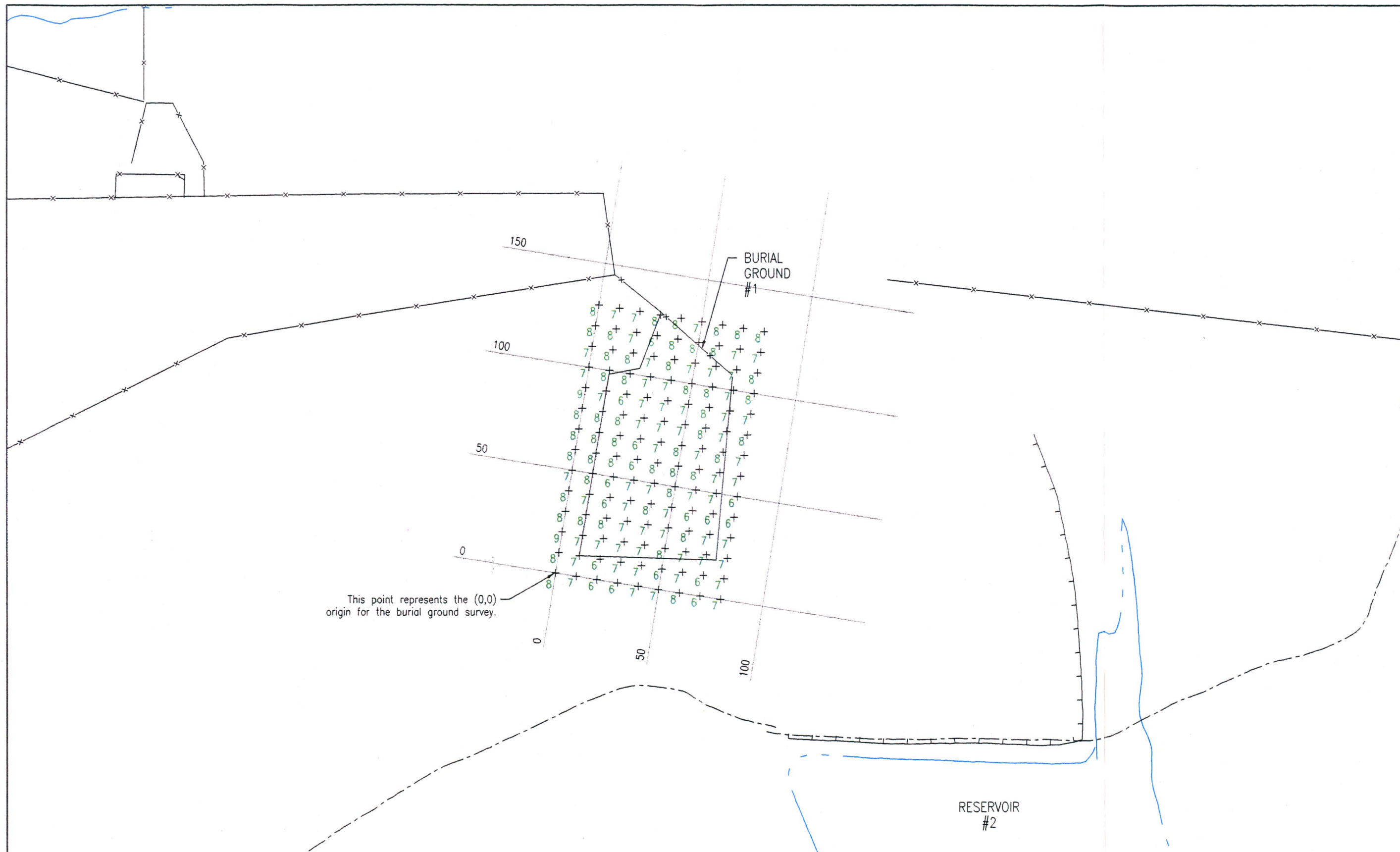






READINGS ARE IN MICRO-R/Hr. (µR/Hr.) INSTRUMENT: LUDLUM MICRO-R METER MODEL NO: 19 SERIAL NO: 75544 BACKGROUND: 8 MICRO-R/Hr., NOT SUBTRACTED. READINGS TAKEN ON A 10 METER BY 10 METER GRID. READINGS TAKEN AFTER REMEDIATION AND BACKFILL OF BURIAL GROUND #1 (AUG. & SEPT. 1993)								
CIMARRON FACILITY BURIAL GROUND NO. 1 FINAL MICRO-R SURVEY (1993) AT LAND SURFACE						CLIENT DRAWING NO.		
DRAWN BY: JE	DATE: 9/13/94	CHG. BY: JA	DATE: 10/1/94	APP'D. BY: KM	SCALE: AS SHOWN	JOB NO.	DRAWING NO. 93FIB1UR-0	REV. 0





READINGS ARE IN MICRO-R/Hr (uR/Hr).

INSTRUMENT: LUDLUM MICRO-R METER  
 MODEL NO: 19  
 SERIAL NO: 75544  
 BACKGROUND: 8 MICRO-R/Hr., NOT SUBTRACTED.


READINGS TAKEN ON A 10 METER BY 10 METER GRID.

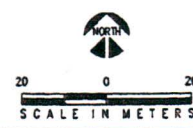
READINGS TAKEN AFTER REMEDIATION AND BACKFILL OF BURIAL GROUND #1 (AUG. & SEPT. 1993)

DATE: 9/13/94  
 BY: JE

DATE: 10/1/94  
 BY: KM

SCALE: AS SHOWN

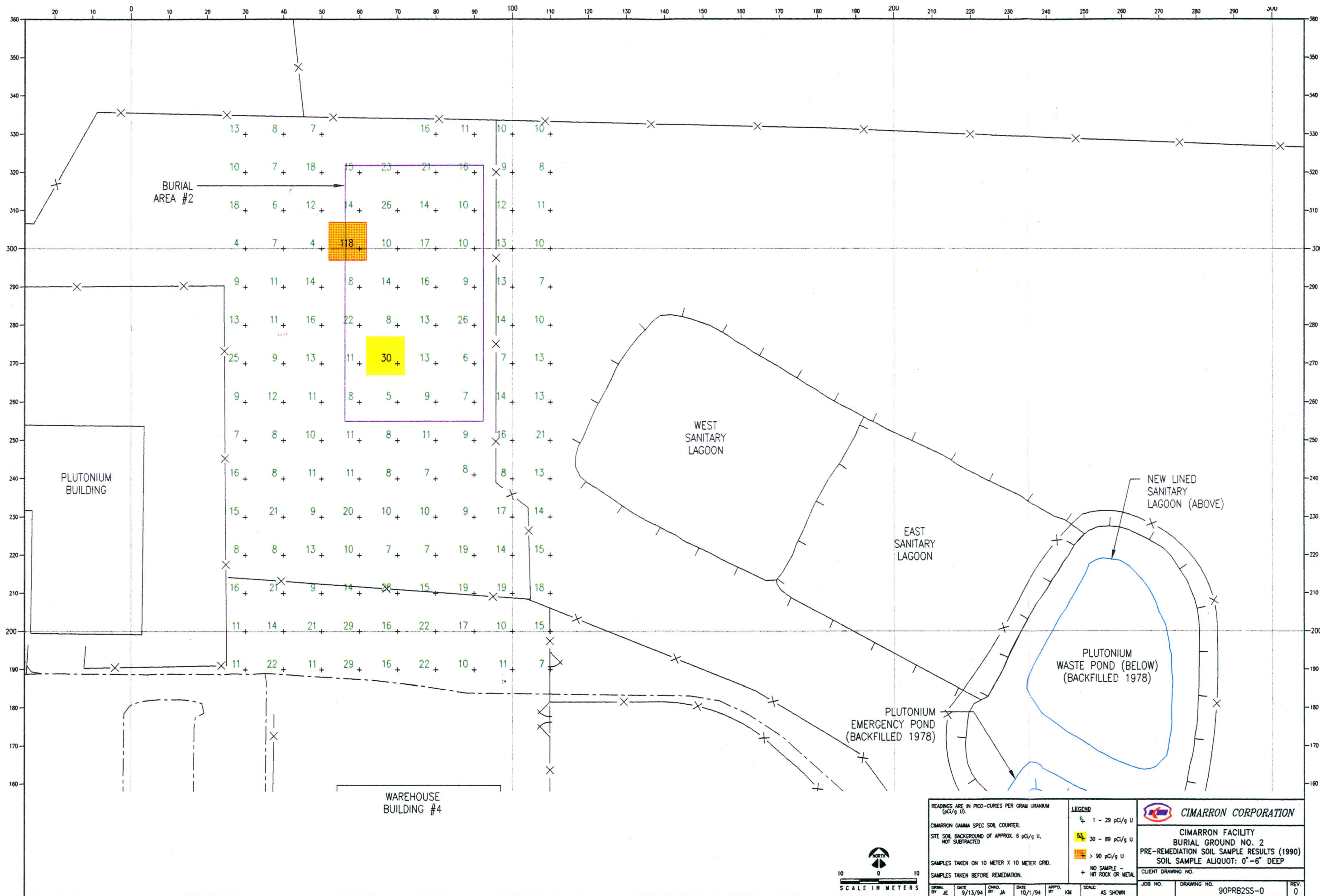

**CIMARRON CORPORATION**  
  
 CIMARRON FACILITY  
 BURIAL GROUND NO. 1  
 FINAL MICRO-R SURVEY (1993)  
 AT ONE METER ABOVE SURFACE  
  
 CLIENT DRAWING NO.  
 JOB NO. DRAWING NO. 93FIB1UR-1 REV. 0



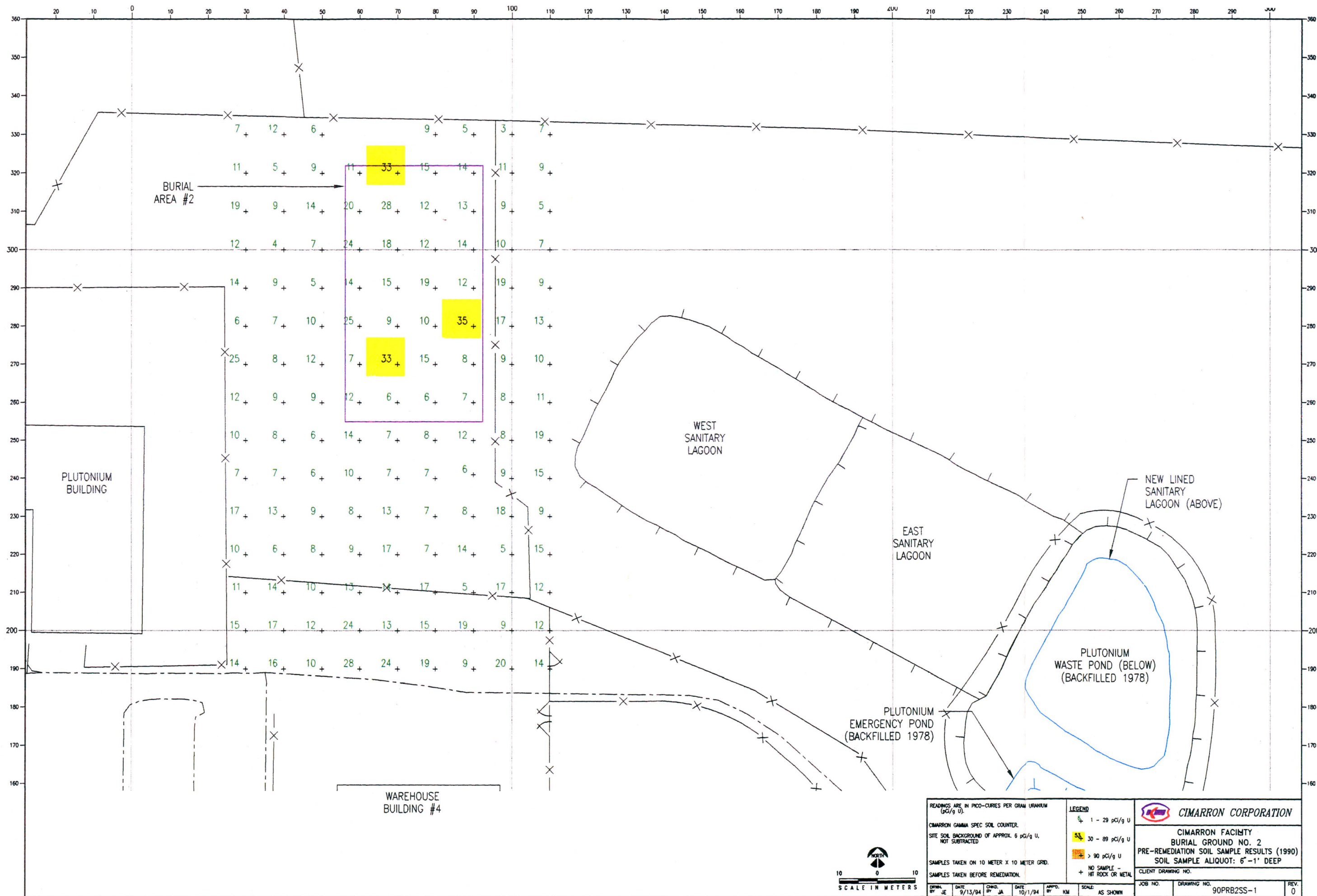




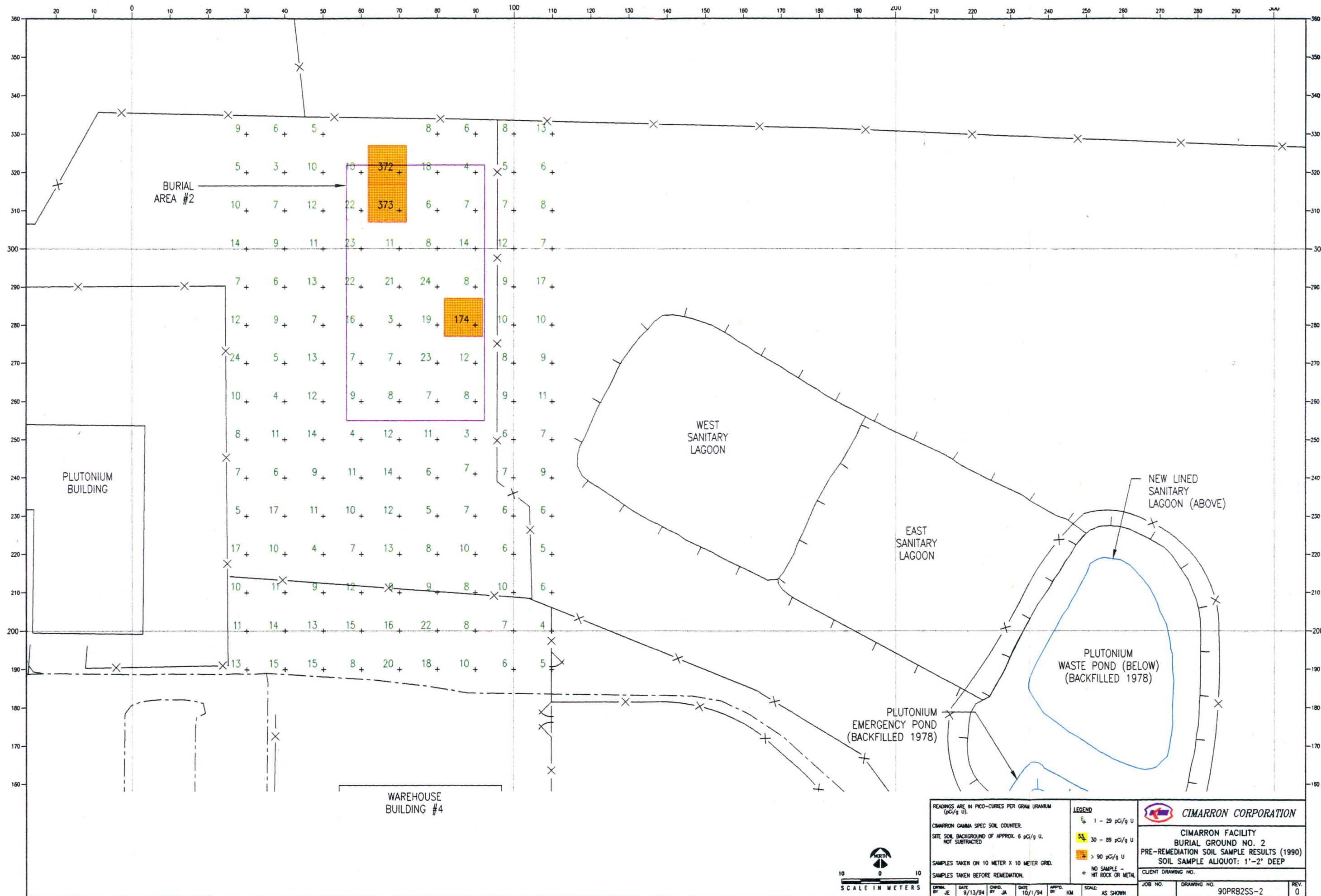




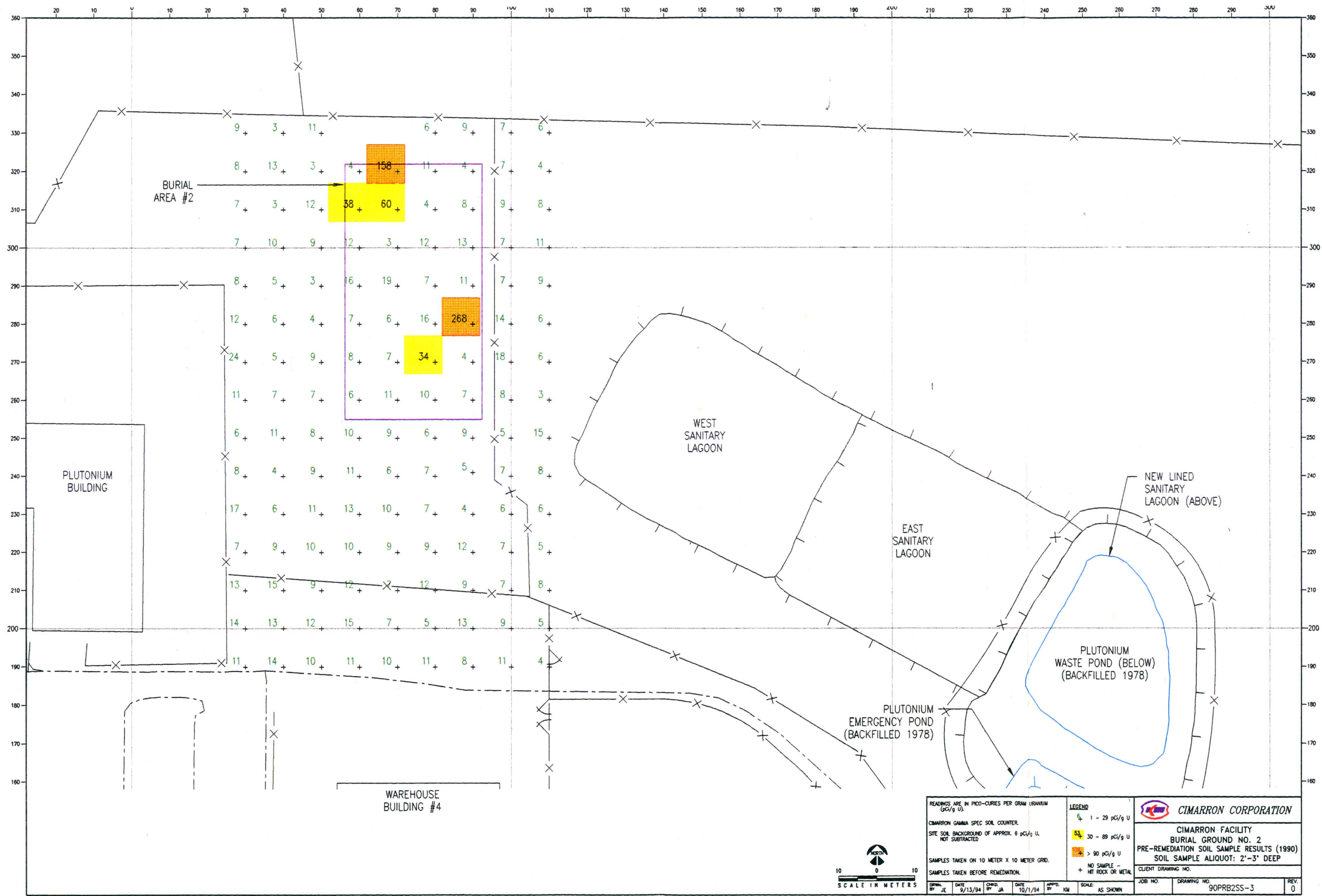












READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U. NOT SUBTRACTED.

SAMPLES TAKEN ON 10 METER X 10 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

**LEGEND**

- 1 - 29 pCi/g U
- 30 - 89 pCi/g U
- > 90 pCi/g U
- NO SAMPLE -
- HIT ROCK OR METAL

**CIMARRON CORPORATION**

CIMARRON FACILITY

BURIAL GROUND NO. 2

PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)

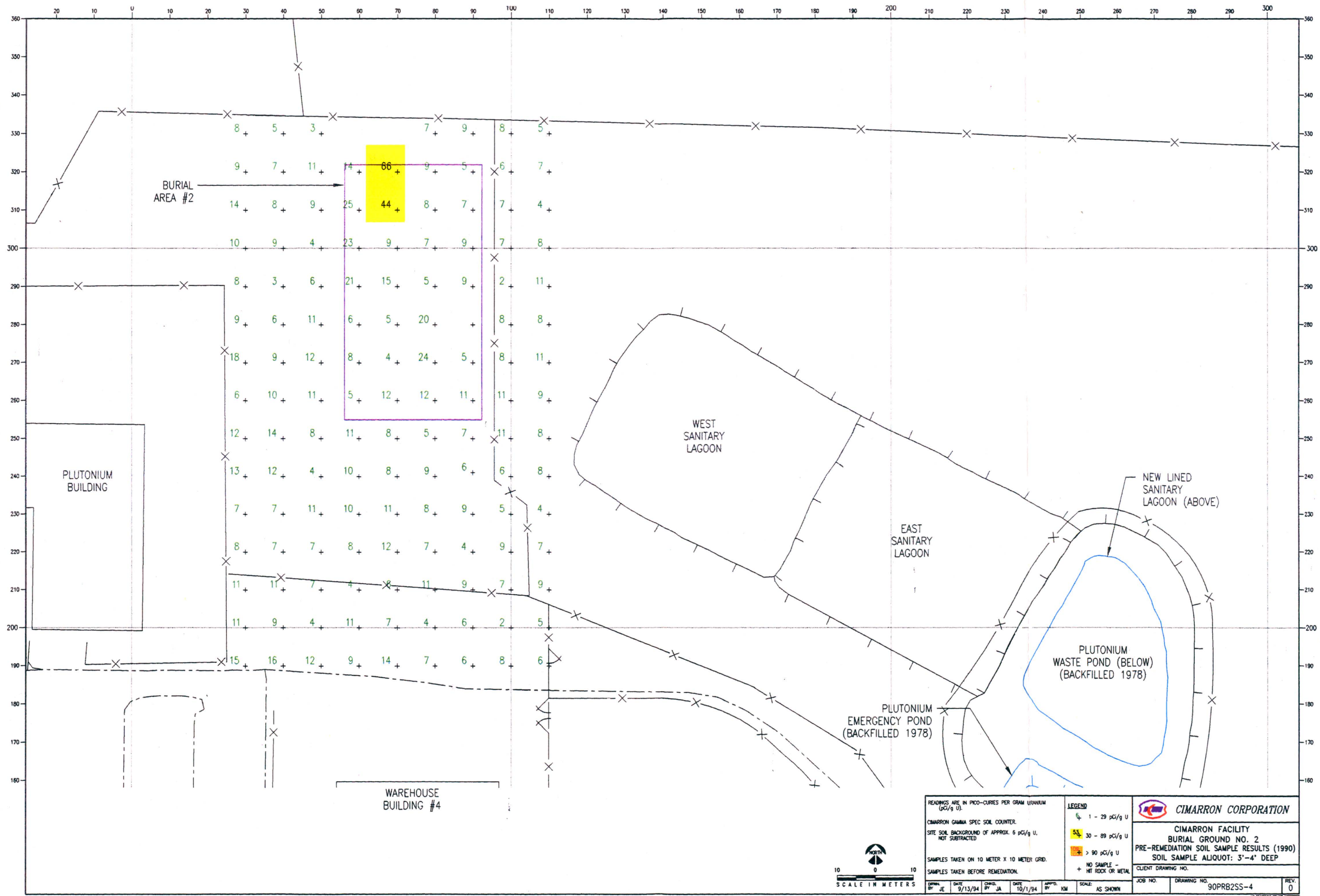
SOIL SAMPLE ALIQUOT: 2'-3" DEEP

CLIENT DRAWING NO.

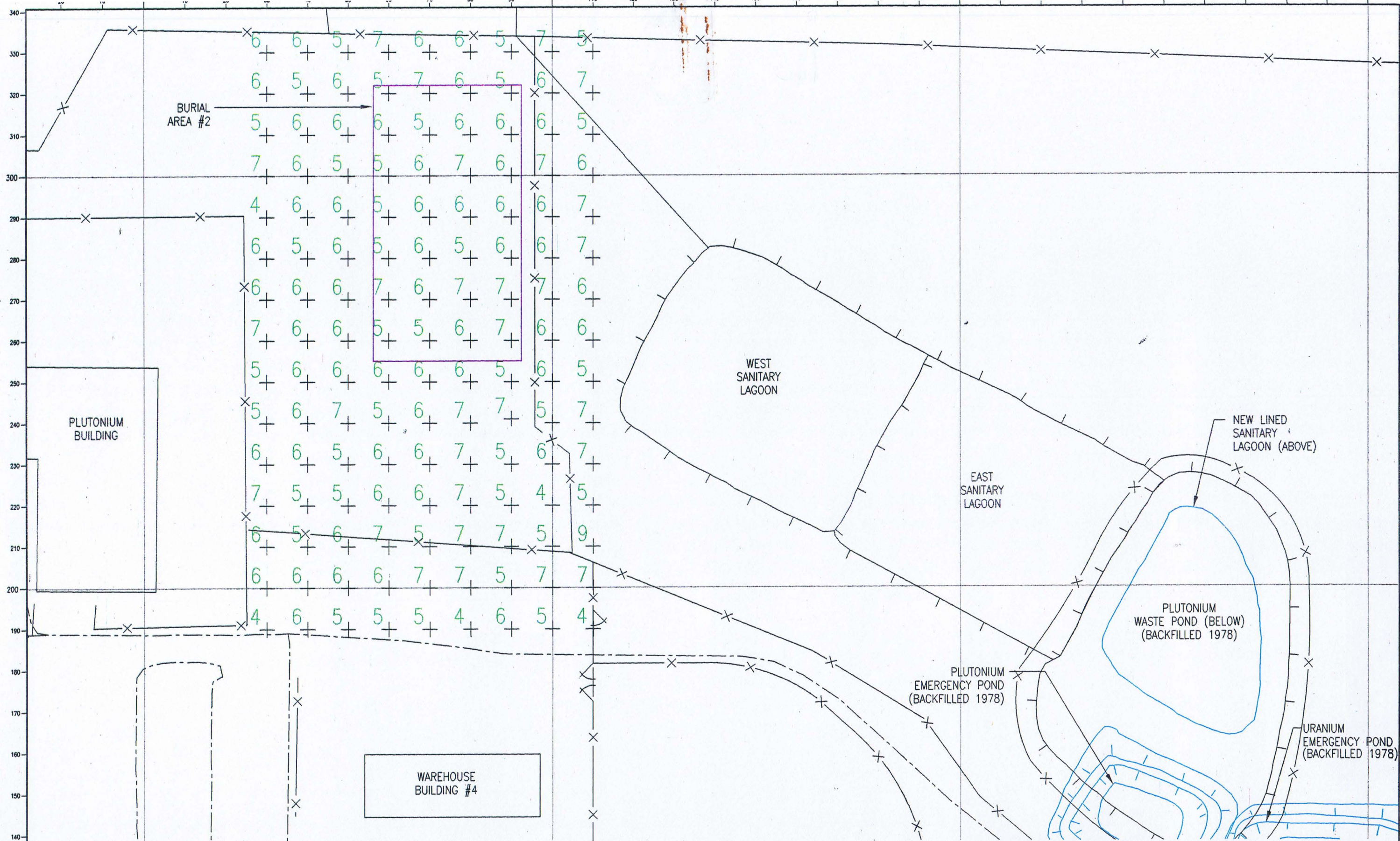
JOB NO.	DRAWING NO.	REV.
	90PRB2SS-3	0











READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ )  
 INSTRUMENT: LUDLUM MICRO-R METER  
 MODEL NO: 125  
 SERIAL NO: 9081  
 ESTABLISHED SITE BACKGROUND OF  $7 \mu R/Hr.$  NOT SUBTRACTED.  
 SAMPLES TAKEN ON A 10 METER BY 10 METER GRID  
 READINGS TAKEN BEFORE REMEDIATION.

**CIMARRON CORPORATION**

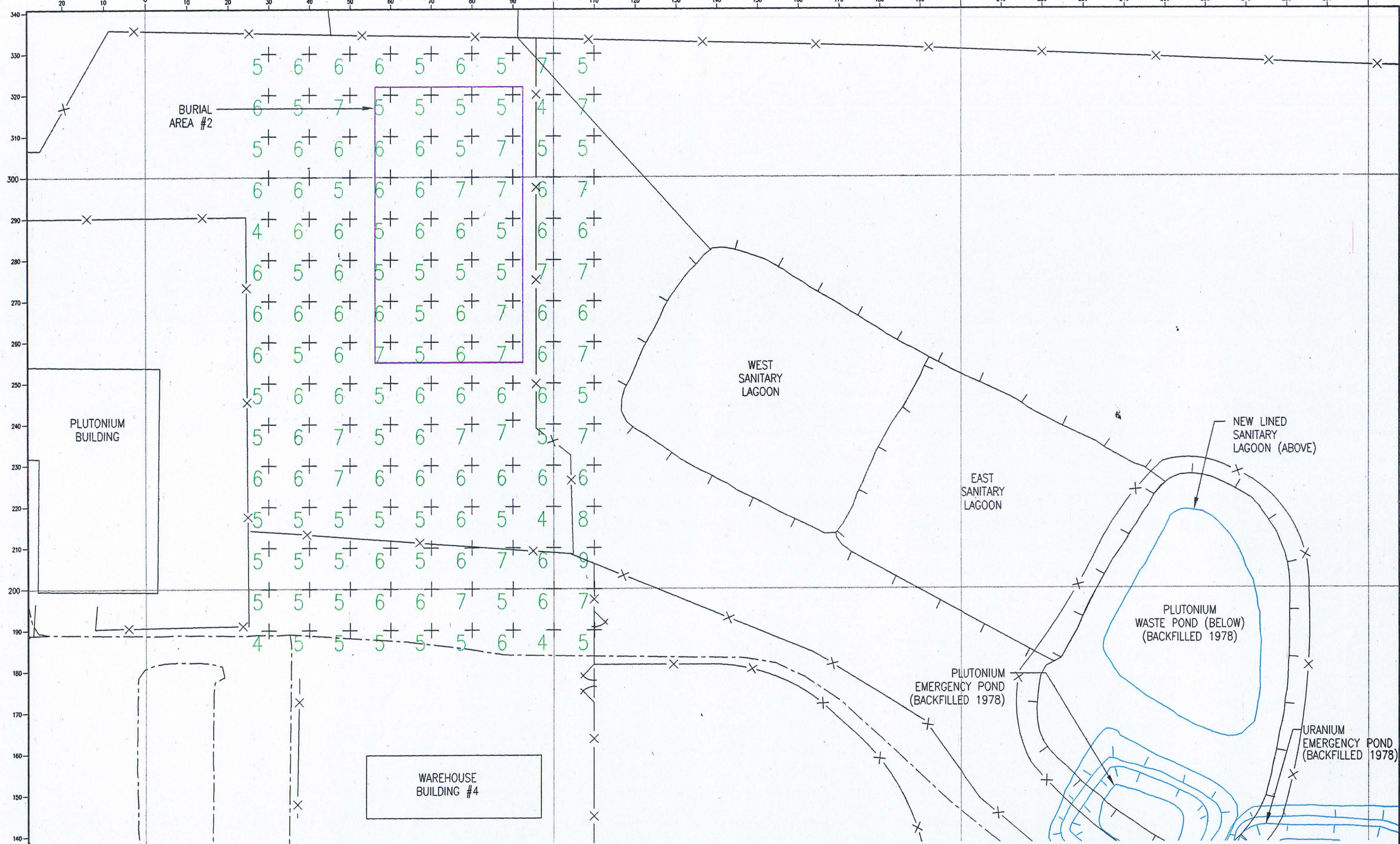
**CIMARRON FACILITY  
 BURIAL GROUND NO. 2  
 PRE-REMEDIATION MICRO-R SURVEY (1990)  
 AT LAND SURFACE**

CLIENT DRAWING NO.

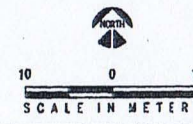
JOB NO.	DRAWING NO.	REV.
	90PRB2UR-0	A

145, CIMARRON REMED., 90PRB2UR

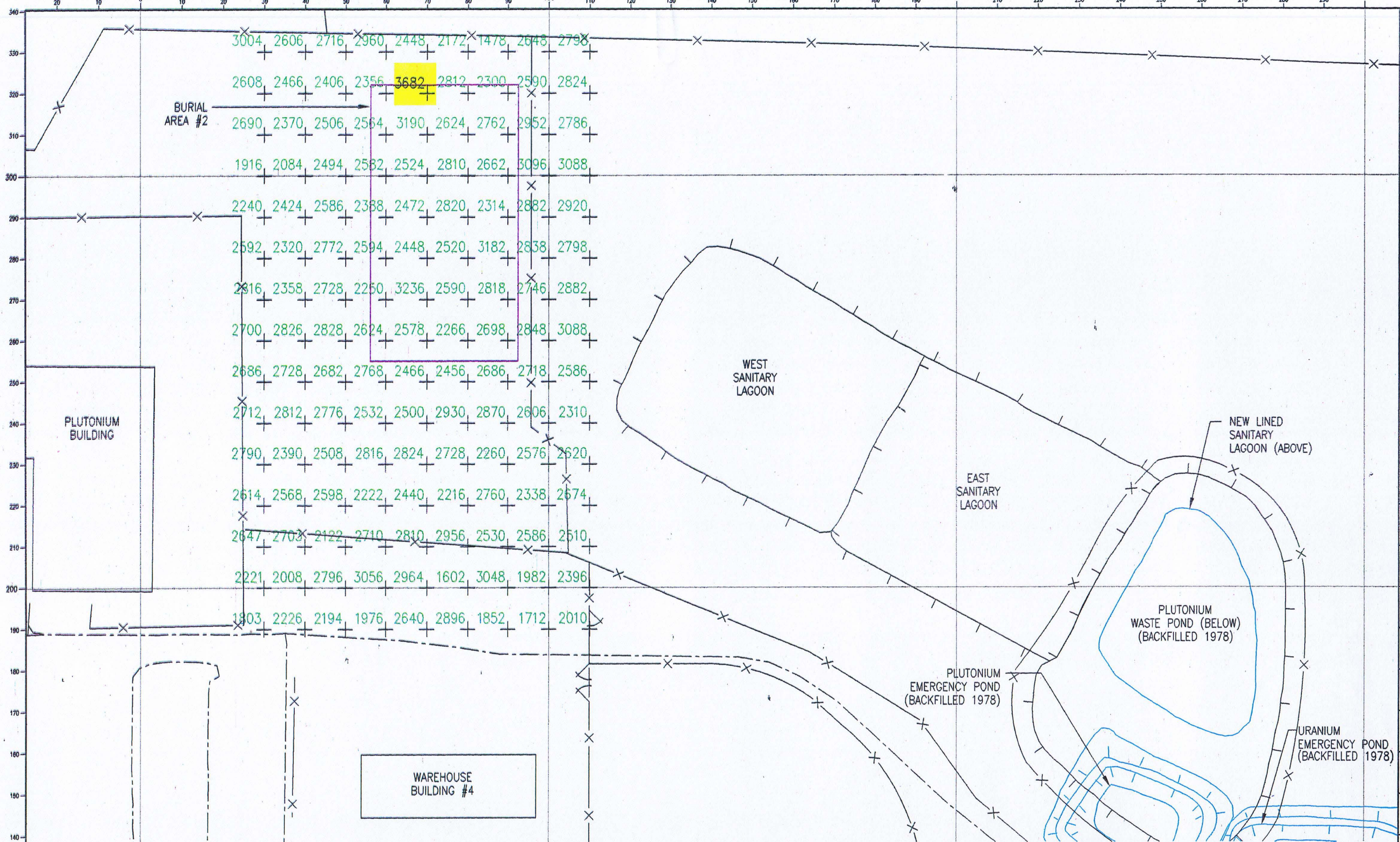





READINGS ARE IN MICRO-R/Hr. ( $\mu\text{R/hr}$ )				<b>CIMARRON CORPORATION</b>			
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY			
MODEL NO: 125				BURIAL GROUND NO. 2			
SERIAL NO: 9081				PRE-REMEDIATION MICRO-R SURVEY (1990)			
ESTABLISHED SITE BACKGROUND OF 7 $\mu\text{R/hr}$ . NOT SUBTRACTED.				AT ONE METER ABOVE SURFACE			
SAMPLES TAKEN ON A 10 METER BY 10 METER GRID				CLIENT DRAWING NO.			
READINGS TAKEN BEFORE REMEDIATION.				JOB NO. DRAWING NO. 90PRB2UR-1 REV. A			
DATE	8/26/94	CHD.	BY	DATE	APPD.	BY	SCALE: AS SHOWN

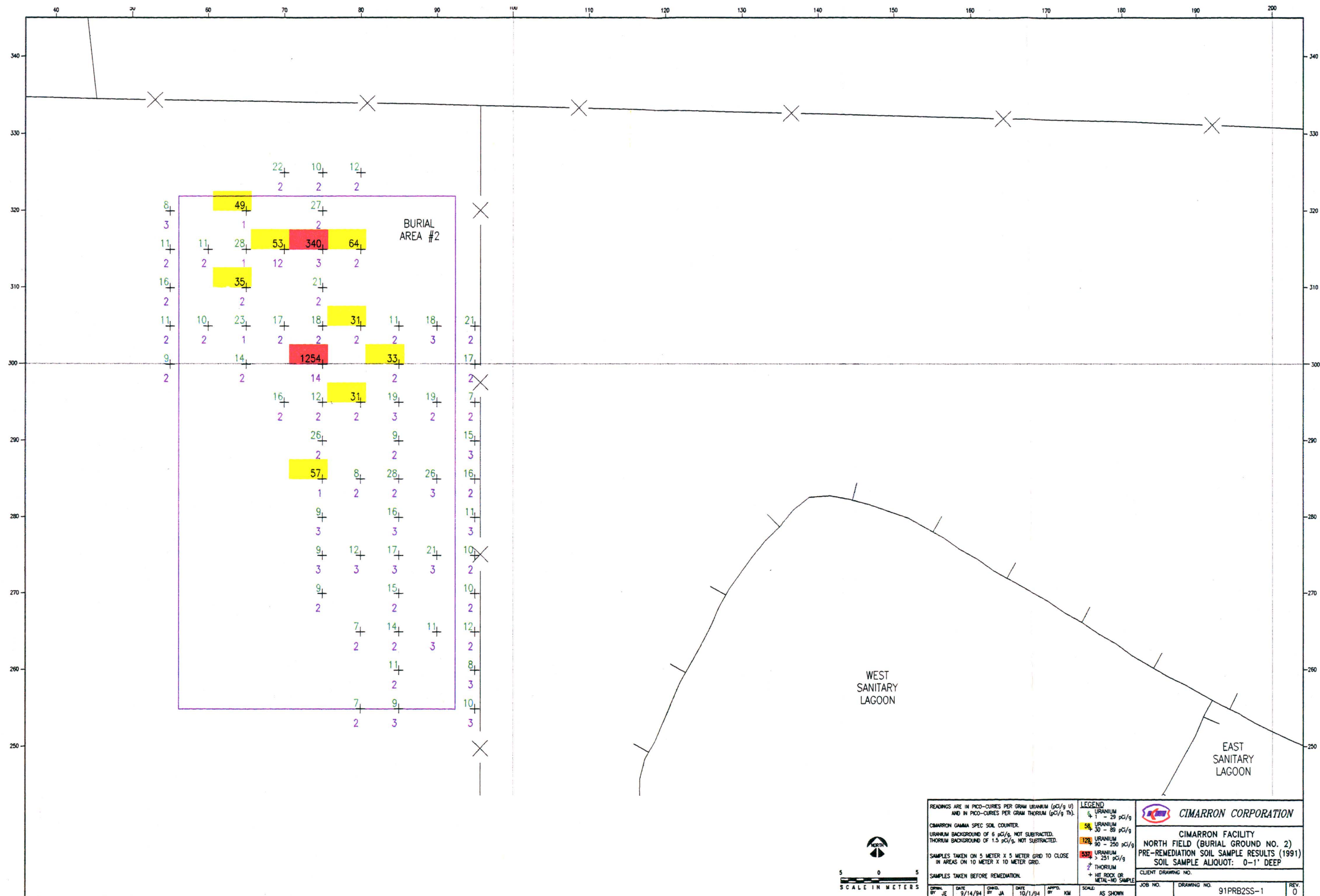




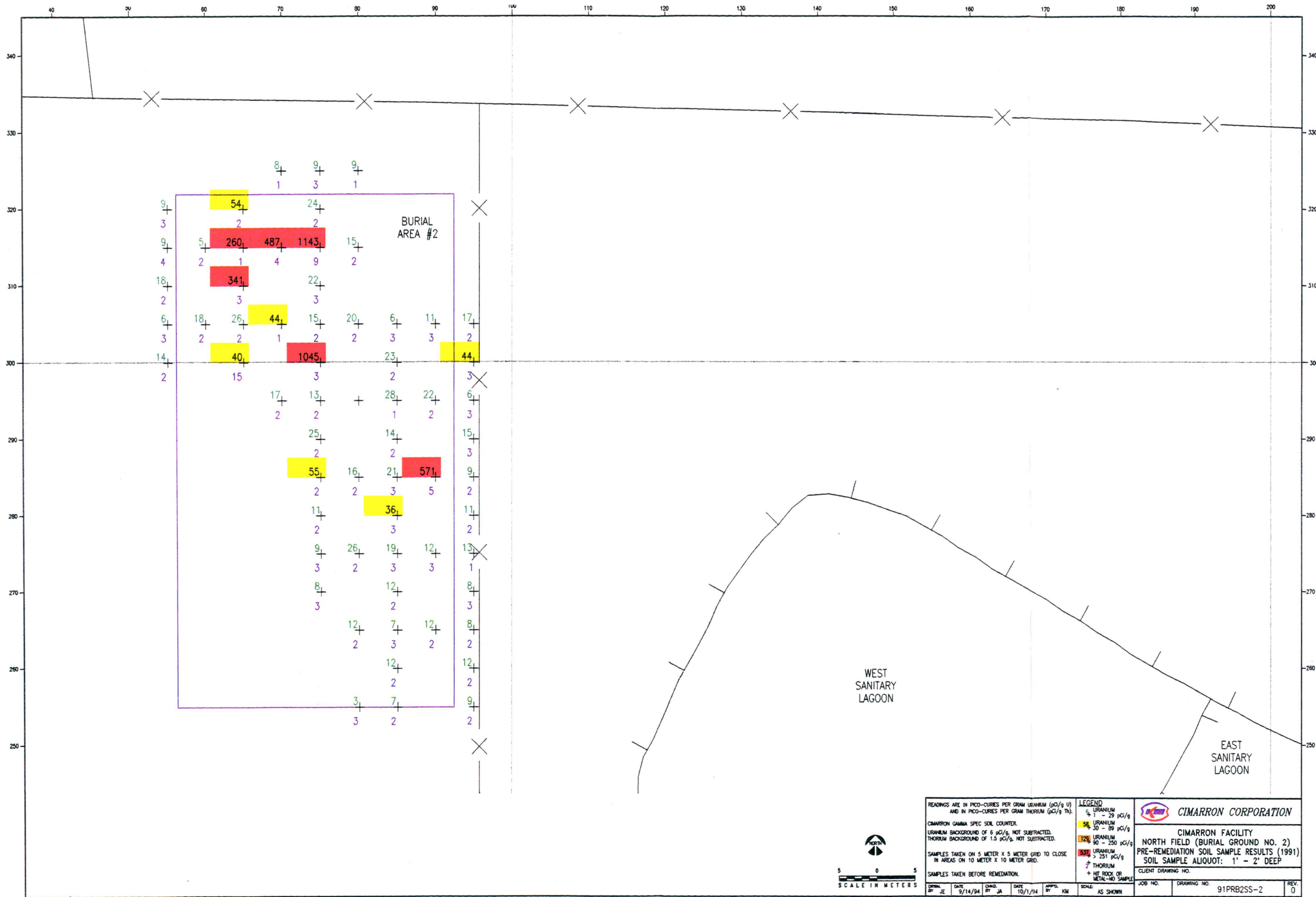


INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" x 1 1/2" NaI DETECTOR.		 <b>CIMARRON CORPORATION</b>	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		<b>CIMARRON FACILITY BURIAL GROUND NO. 2 PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)</b>	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT DRAWING NO.	
DRWN. BY: JE	DATE: 8/26/94	CHKD. BY:	DATE:
APPRD. BY:	DATE:	SCALE: AS SHOWN	JOB NO. DRAWING NO. 90PRB23D-0 REV. A

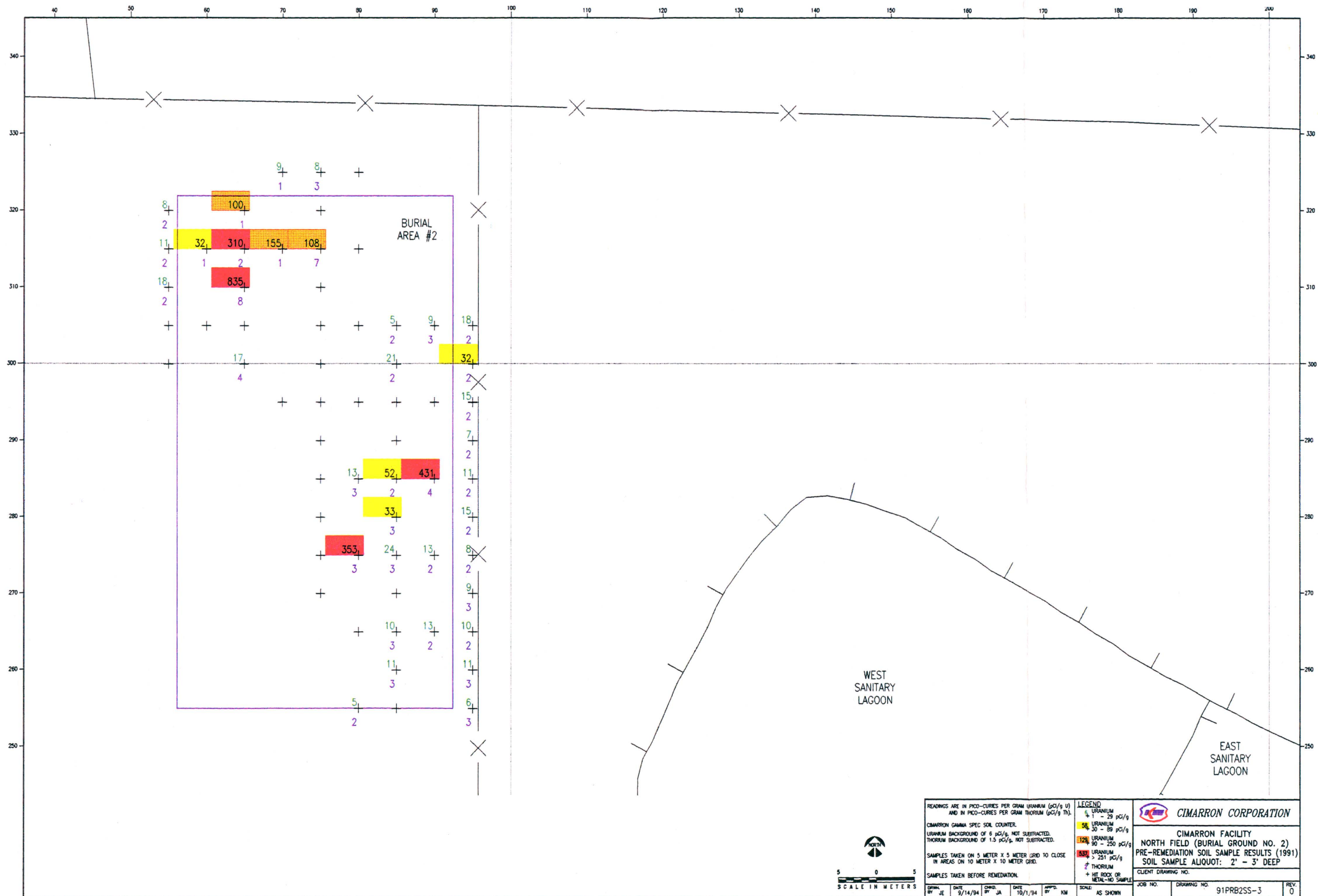




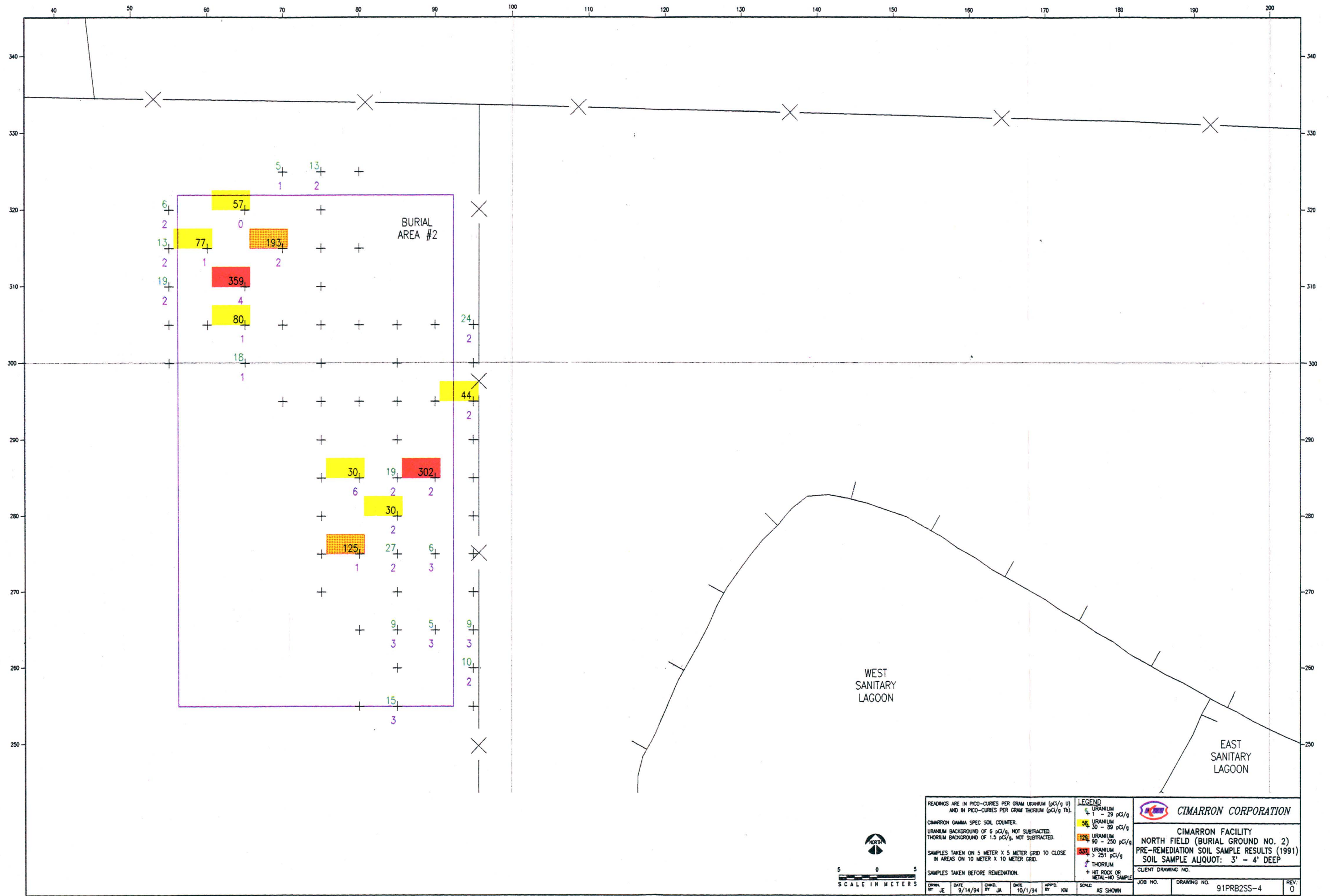




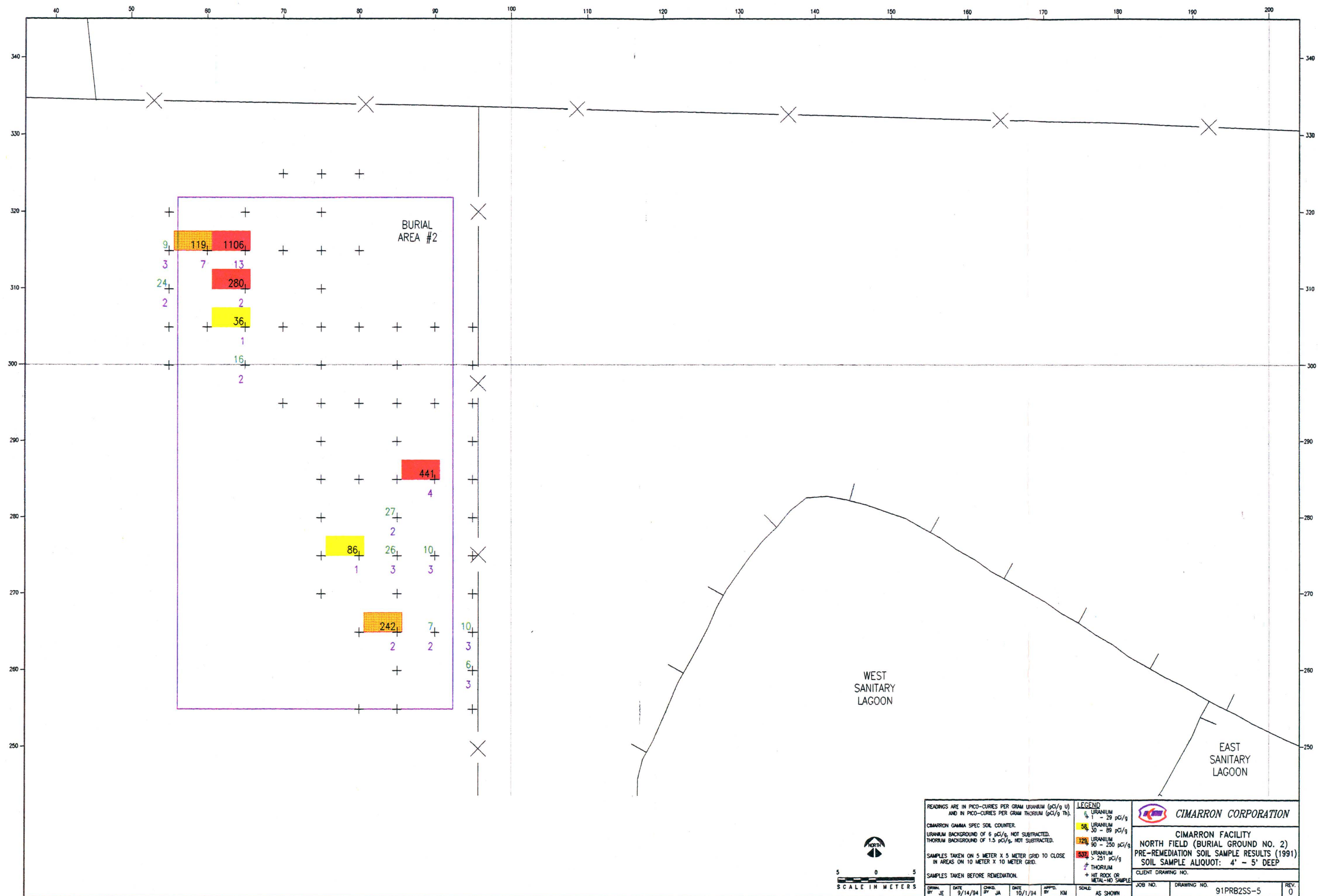




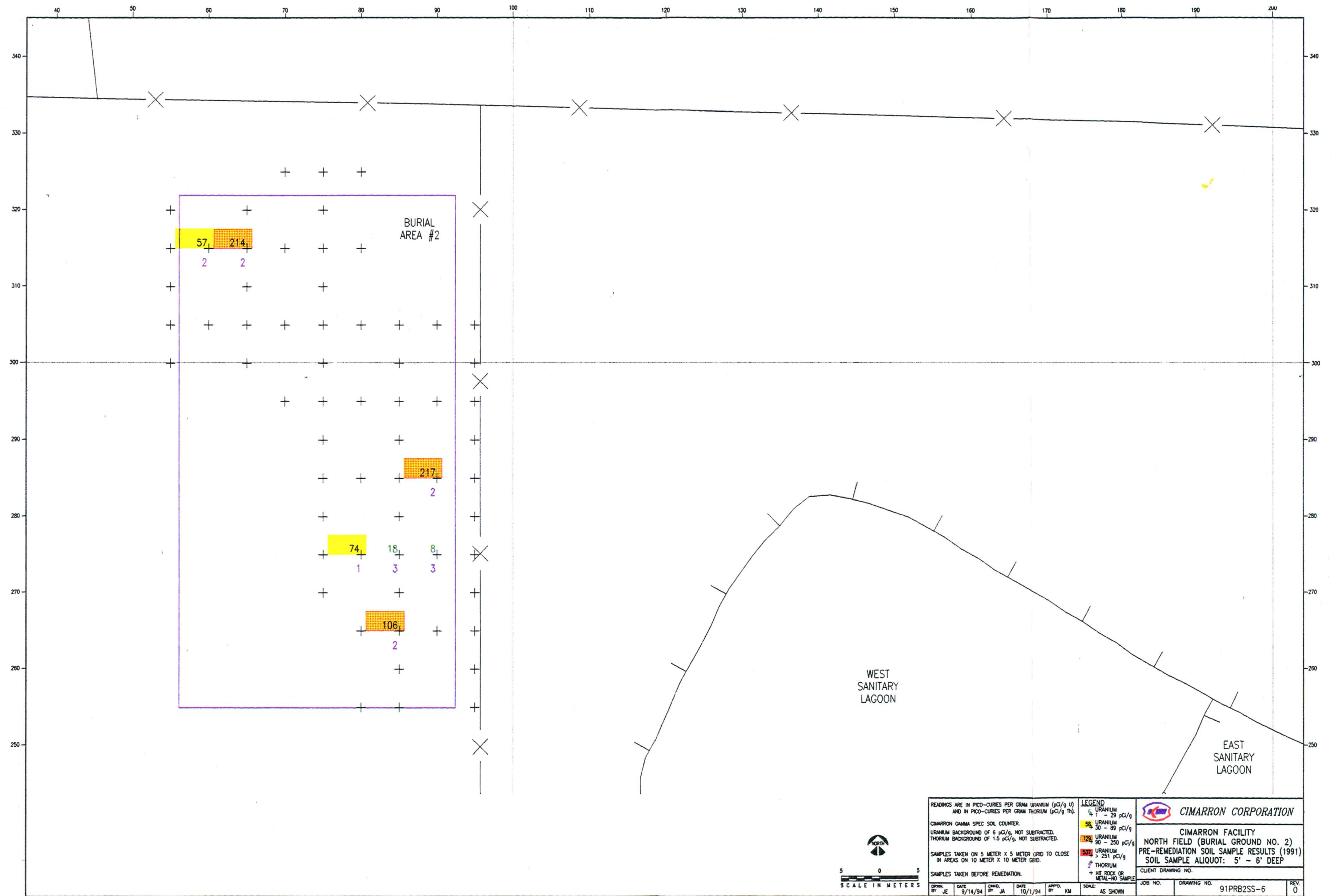




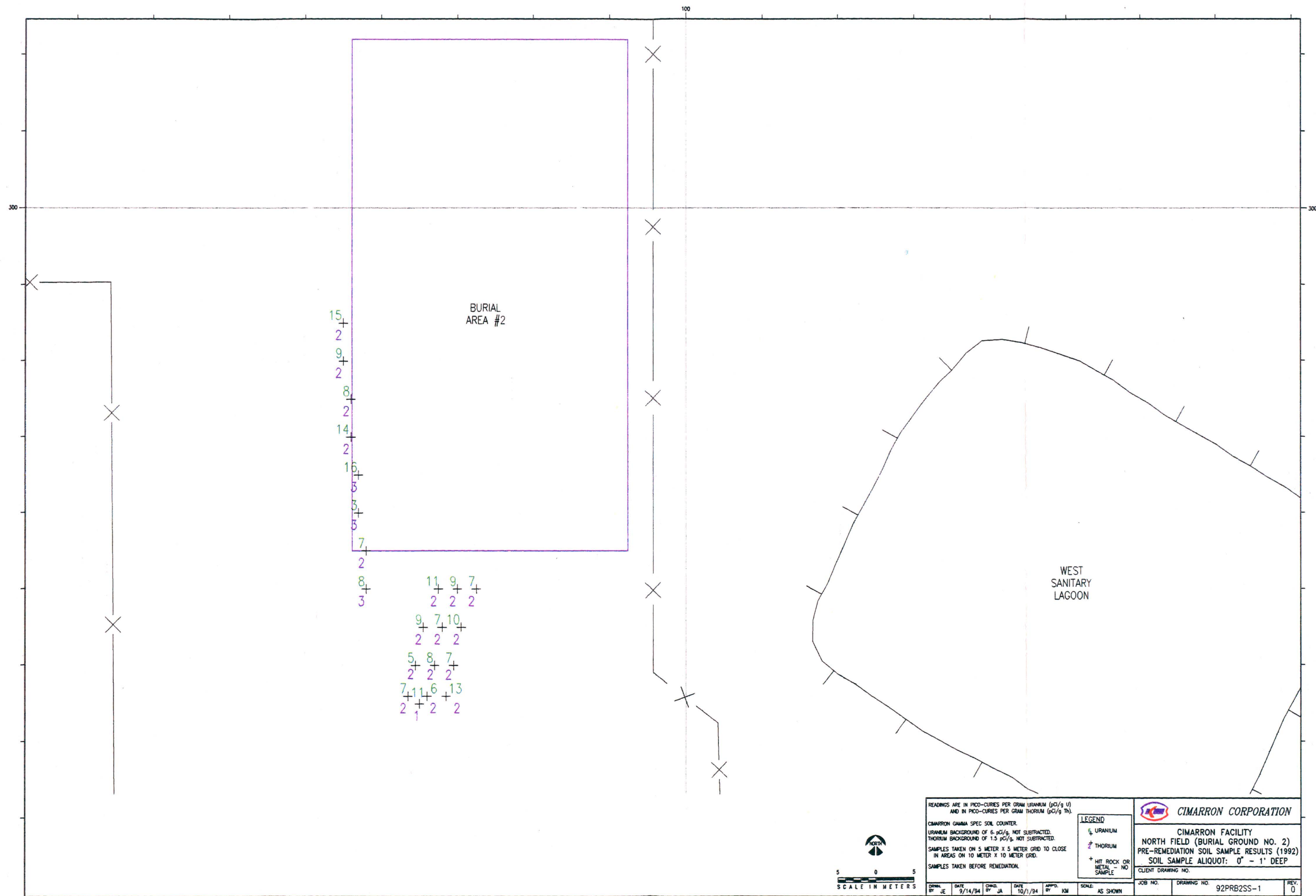




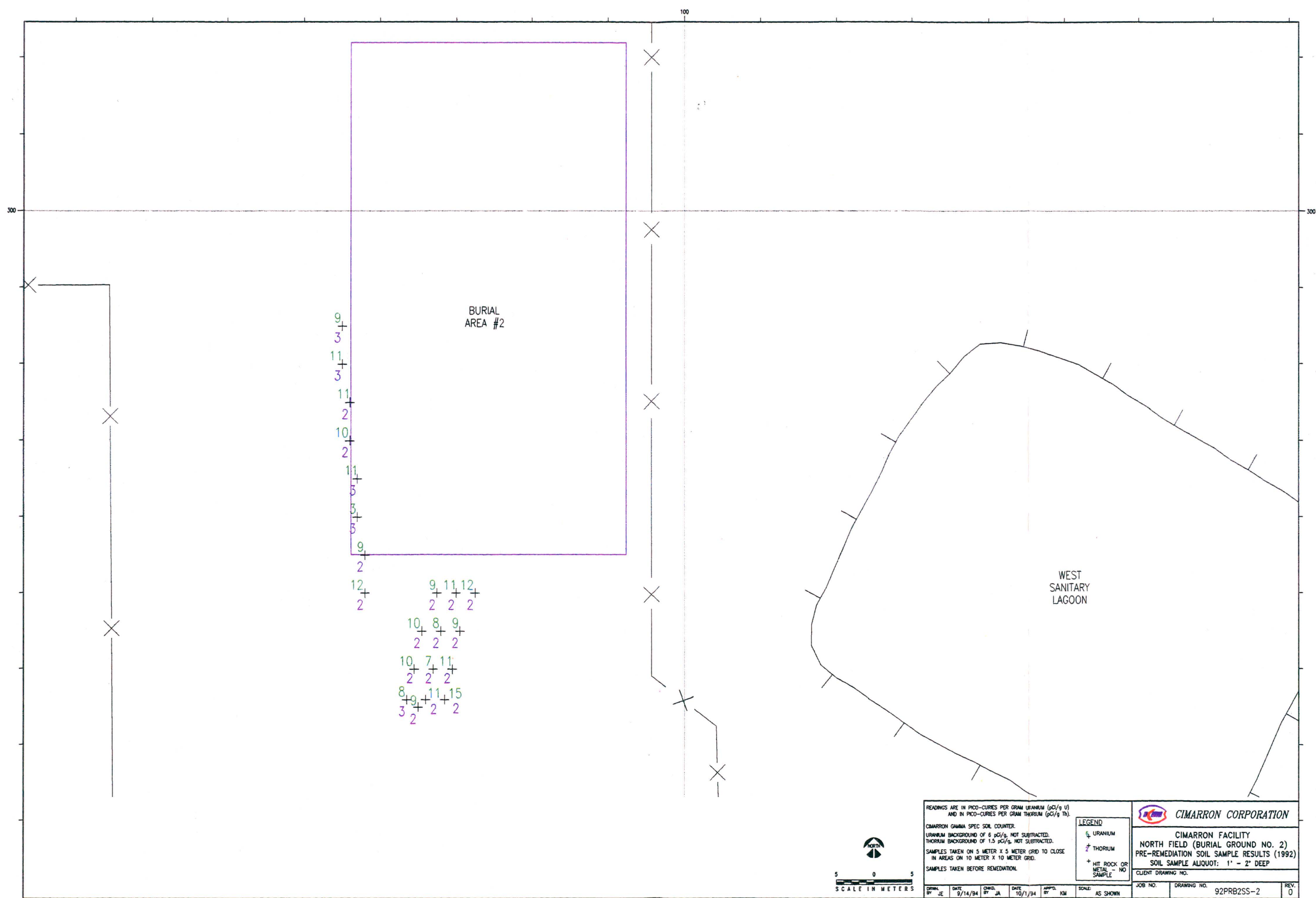




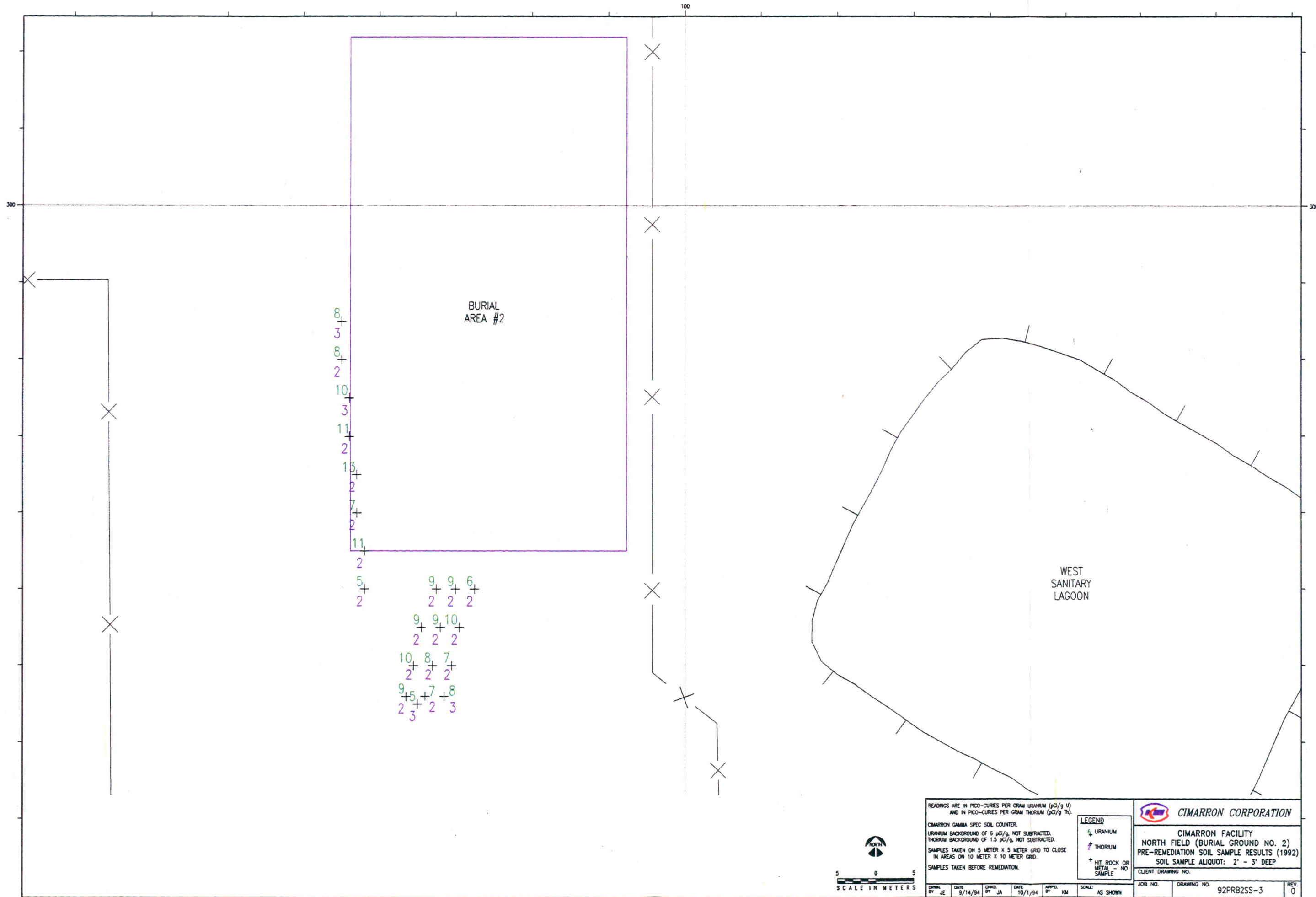












READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) AND IN PICO-CURIES PER GRAM THORIUM (pCi/g Th).

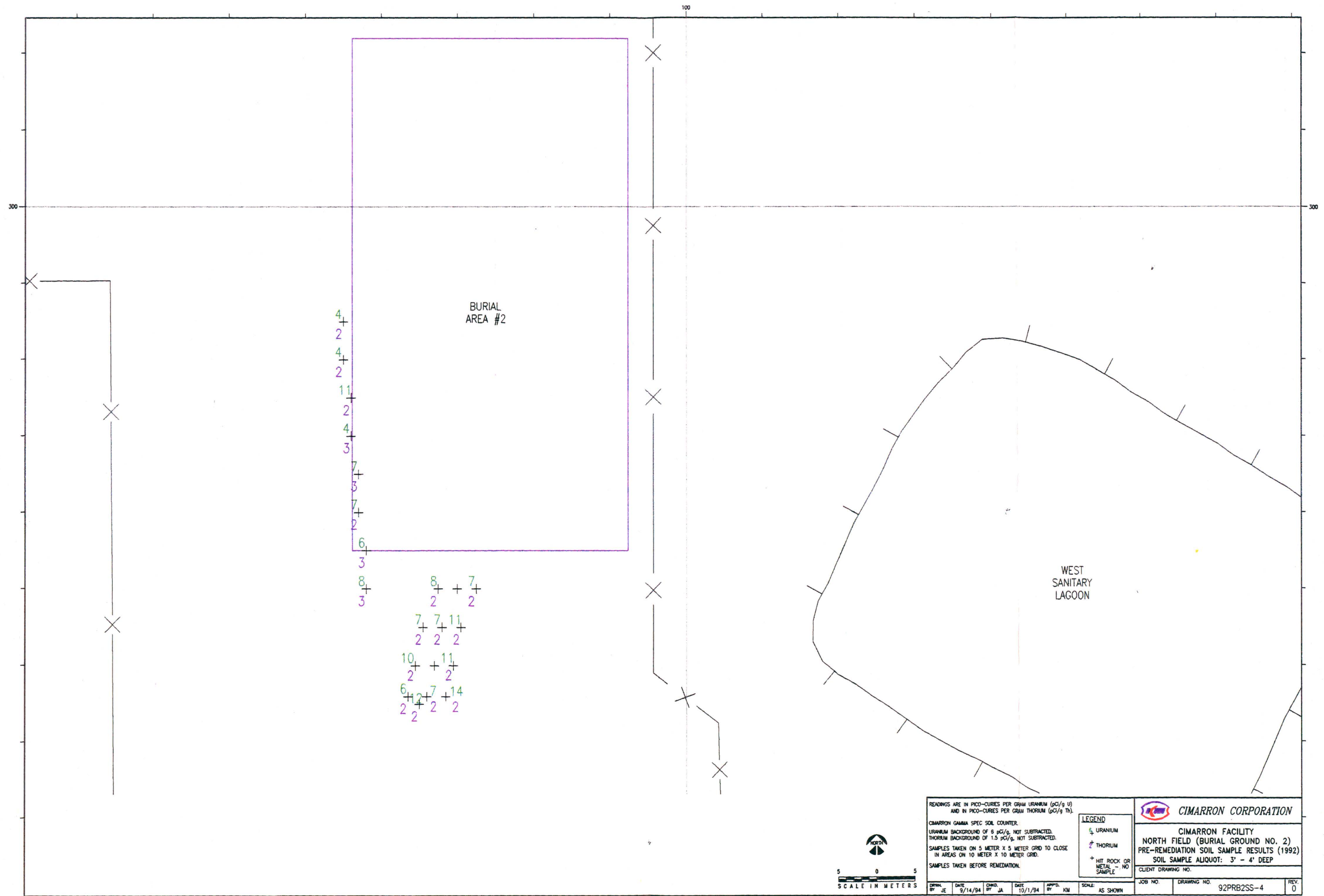
CIMARRON GAMMA SPEC SOIL COUNTER.  
URANIUM BACKGROUND OF 6 pCi/g. NOT SUBTRACTED.  
THORIUM BACKGROUND OF 1.5 pCi/g. NOT SUBTRACTED.  
SAMPLES TAKEN ON 5 METER X 5 METER GRID TO CLOSE IN AREAS ON 10 METER X 10 METER GRID.  
SAMPLES TAKEN BEFORE REMEDIATION.

**LEGEND**  
• URANIUM  
• THORIUM  
+ HIT ROCK OR METAL - NO SAMPLE

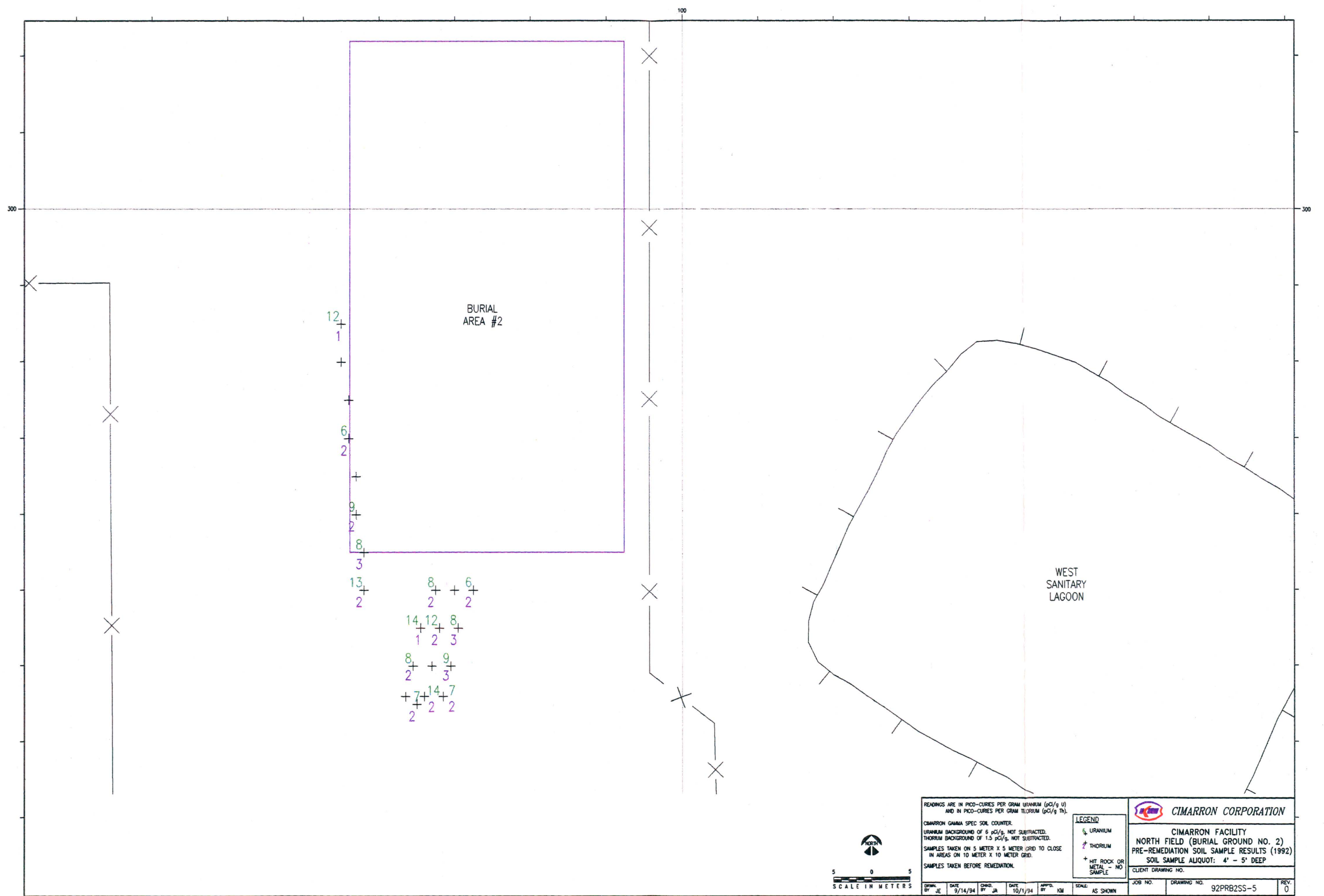
**CIMARRON CORPORATION**  
CIMARRON FACILITY  
NORTH FIELD (BURIAL GROUND NO. 2)  
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)  
SOIL SAMPLE ALIQUOT: 2' - 3' DEEP  
CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.
	92PRB2SS-3	0

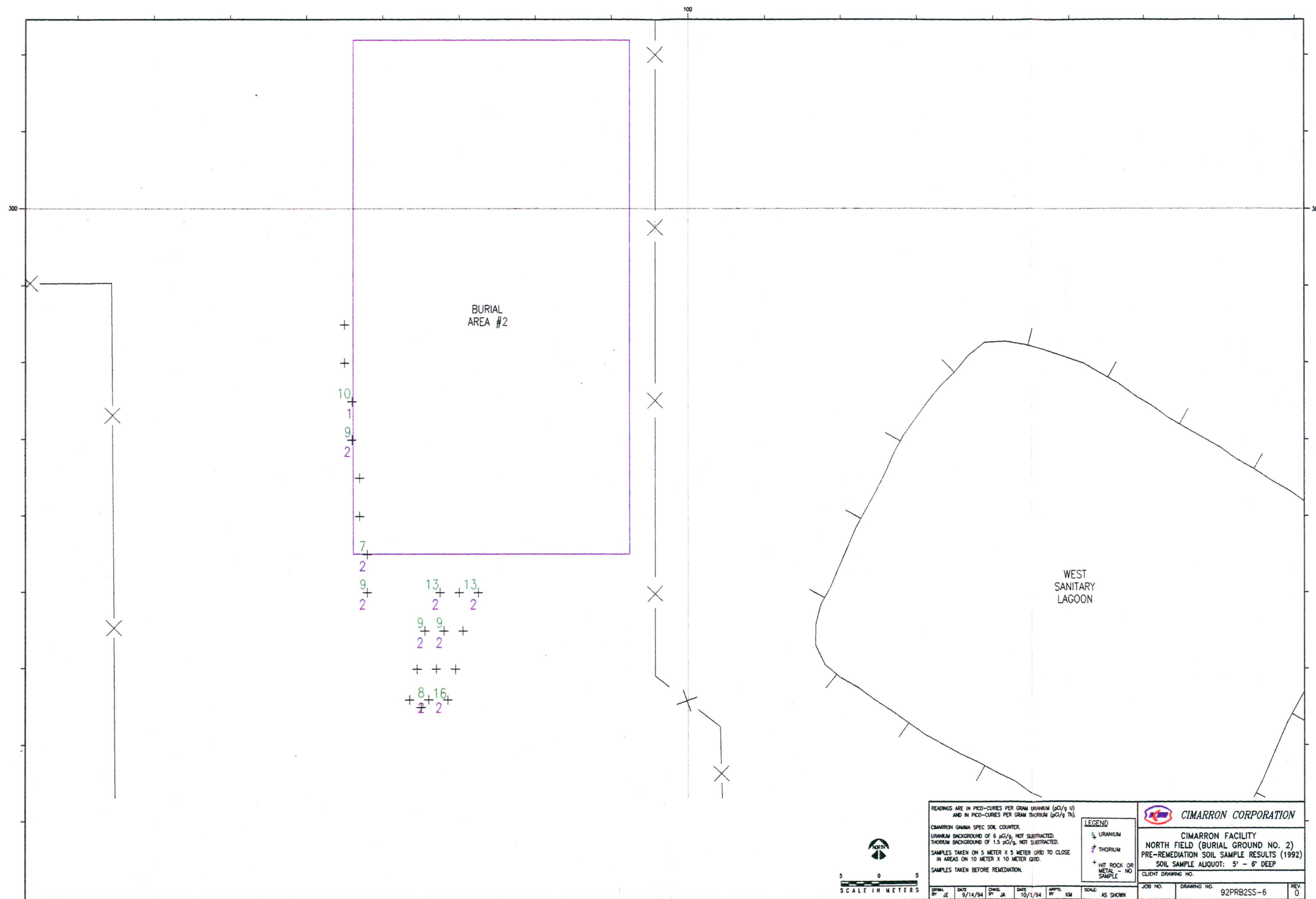
















READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U)  
AND IN PICO-CURIES PER GRAM THORIUM (pCi/g Th).

CIMARRON GAMMA SPEC SOIL COUNTER.

URANIUM BACKGROUND OF 6 pCi/g, NOT SUBTRACTED.  
THORIUM BACKGROUND OF 1.5 pCi/g, NOT SUBTRACTED.

SAMPLES TAKEN ON A 5 METER X 5 METER GRID.

SAMPLES TAKEN AFTER REMEDIATION.

**LEGEND**

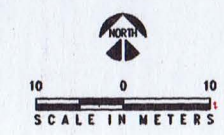
- URANIUM 1 - 29 pCi/g
- URANIUM 30 - 89 pCi/g
- THORIUM (pCi/g)

**CIMARRON CORPORATION**

**CIMARRON FACILITY**  
**BURIAL GROUND NO. 2**  
**POST-REMEDIATION SOIL SAMPLE RESULTS (1994)**  
**SOIL SAMPLE ALIQUOT: SURFACE**

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.
	94POB2SS-0	?







READINGS ARE IN MICRO-R/HR. (μR/HR.)					
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY	
MODEL NO: 125				BURIAL GROUND NO. 2	
SERIAL NO: 9081				POST-REMEDIATION MICRO-R SURVEY (1994)	
SITE BACKGROUND OF 7 μR/HR., NOT SUBTRACTED.				AT LAND SURFACE	
SAMPLES TAKEN ON A 5 METER X 5 METER GRID.				CLIENT DRAWING NO.	
SAMPLES TAKEN AFTER REMEDIATION.				JOB NO.	
DATE	CHKD. BY	DATE	APPRD. BY	SCALE	DRAWING NO.
10/11/94	JA	10/11/94	KM	AS SHOWN	94POB2UR-0
BY: JE					REV. ?





READINGS ARE IN MICRO-R/Hr. (µR/Hr.)

INSTRUMENT: LUDLUM MICRO-R METER  
MODEL NO: 125  
SERIAL NO: 9081

SITE BACKGROUND OF 7 µR/Hr., NOT SUBTRACTED.

SAMPLES TAKEN ON A 5 METER X 5 METER GRID.

SAMPLES TAKEN AFTER REMEDIATION.

LEGEND

- 1 - 29 µR/hr.
- 30 - 89 µR/hr.
- 90 - 249 µR/hr.

CIMARRON CORPORATION

CIMARRON FACILITY  
BURIAL GROUND NO. 2  
POST-REMEDIATION MICRO-R SURVEY (1994)  
AT ONE METER ABOVE SURFACE

CLIENT DRAWING NO.

JOB NO. DRAWING NO. 94P0R21IR-1 REV. 2





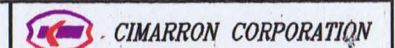
INSTRUMENT: LUDLUM 2220 S/N 48395.  
LEAD-SHIELDED 3\"/>

BACKGROUND AVG. OF 3375.

READINGS TAKEN ON A 5 METER X 5 METER GRID.

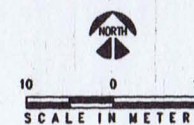
SAMPLES PERFORMED AFTER REMEDIATION.

DRWN. BY	DATE	CHKD. BY	DATE	APPR. BY	SCALE
JE	10/11/94	JA	10/11/94	KM	AS SHOWN

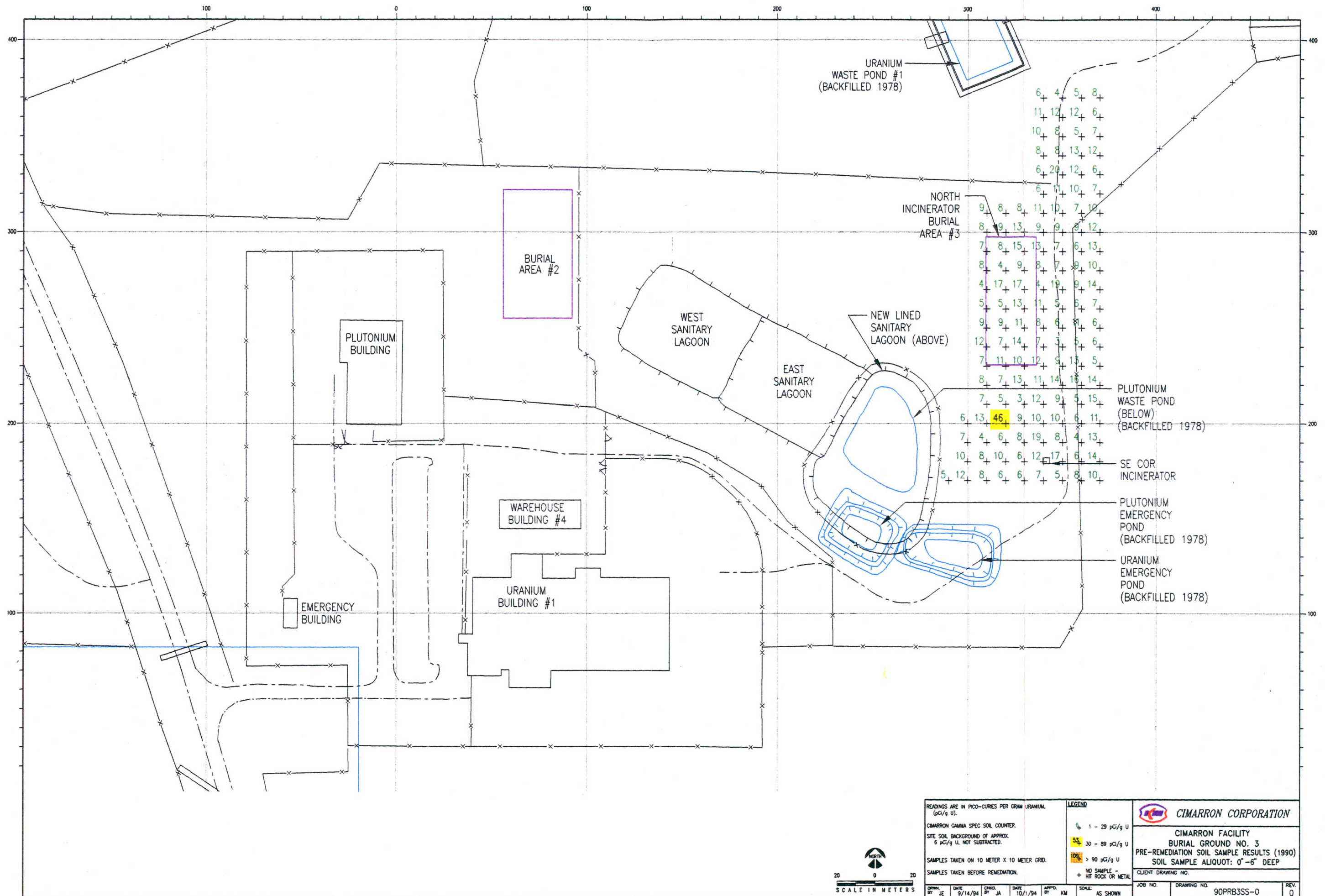


CIMARRON FACILITY  
BURIAL GROUND NO. 2  
POST-REMEDIATION GAMMA SURVEY (1994)  
READINGS IN CPM (3\"/>

JOB NO.	DRAWING NO.	REV. ?
	94POB23D-0	

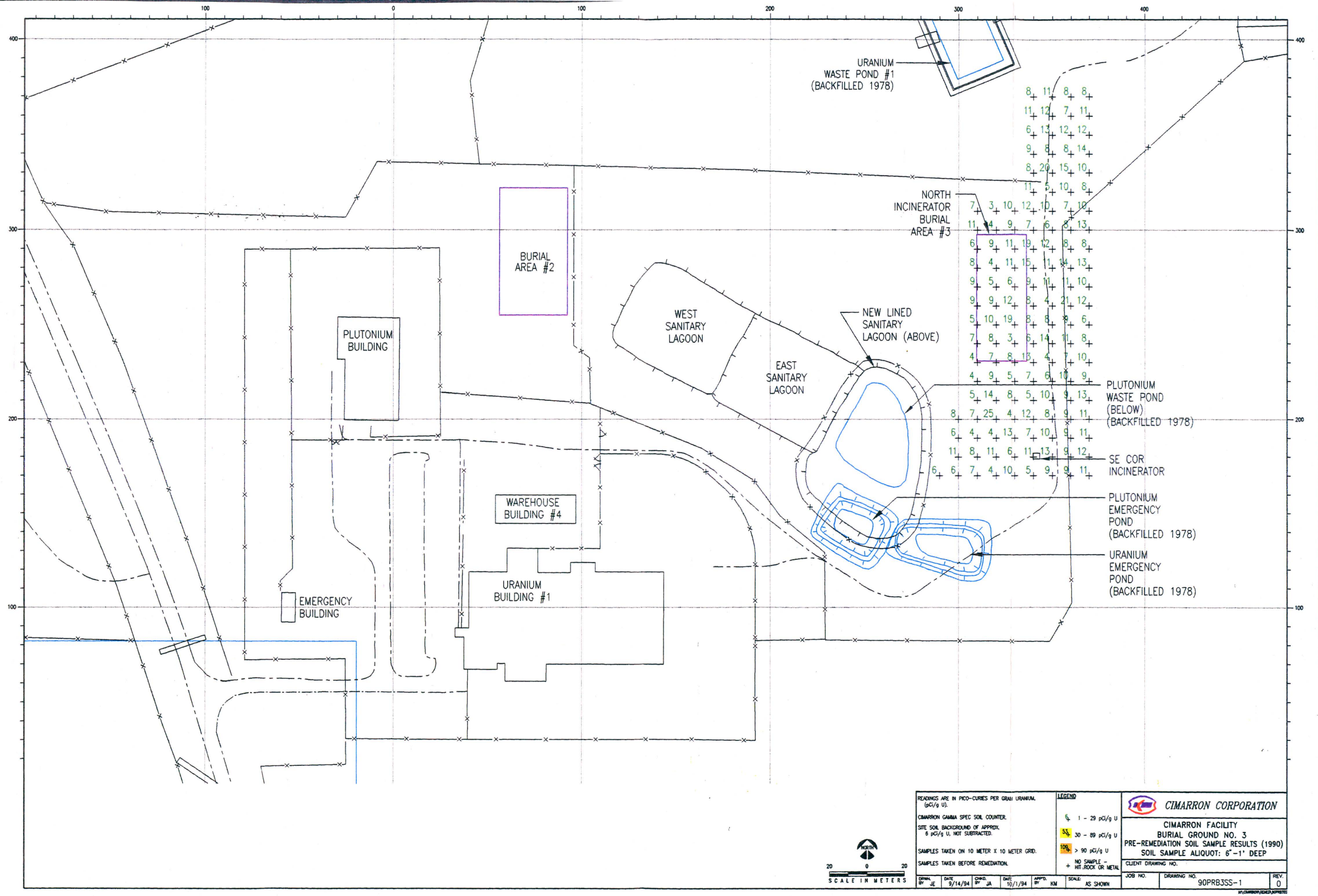




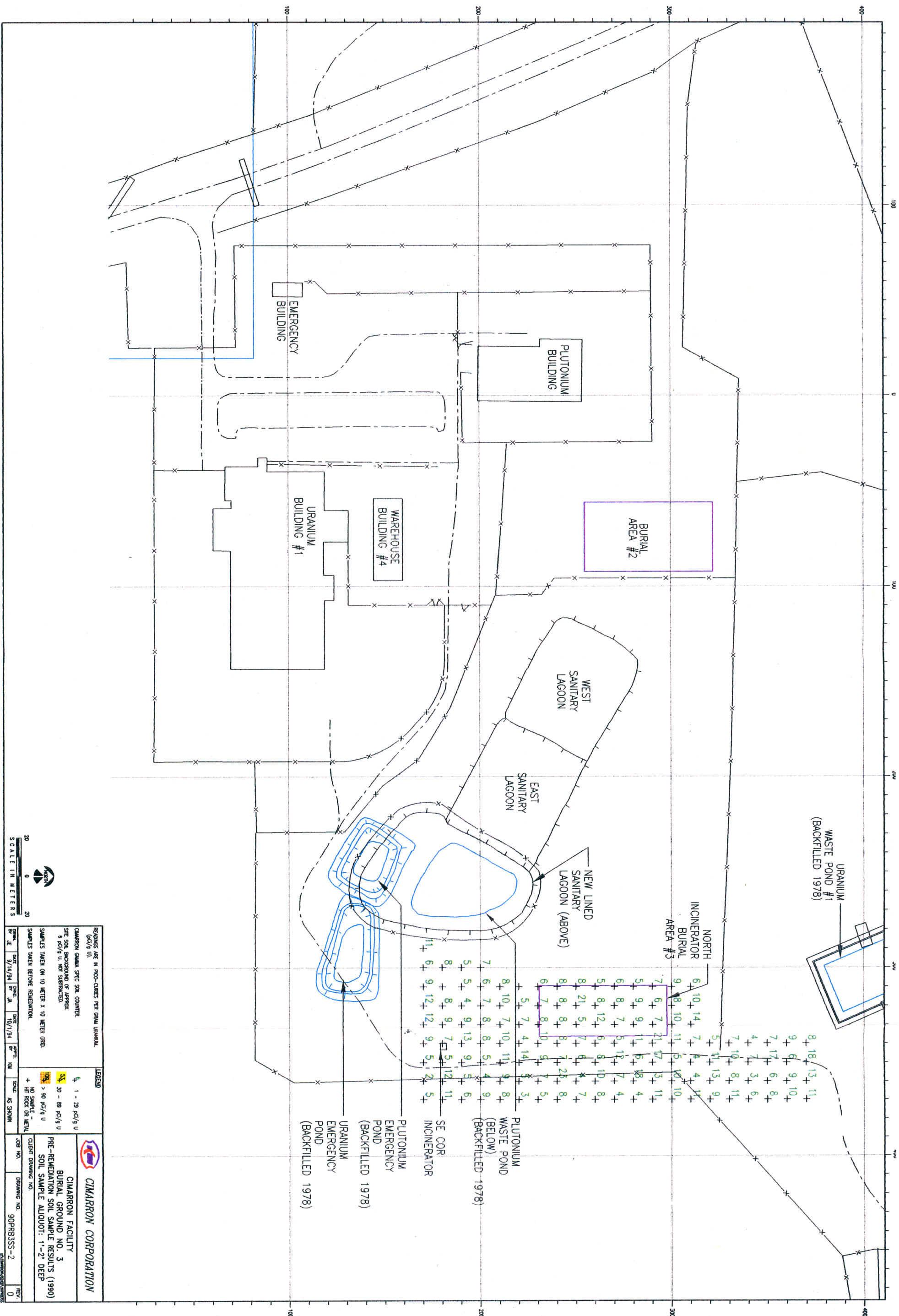


READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).		LEGEND		CIMARRON CORPORATION	
CIMARRON GAMMA SPEC SOIL COUNTER.		1 - 29 pCi/g U		CIMARRON FACILITY	
SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U, NOT SUBTRACTED.		30 - 89 pCi/g U		BURIAL GROUND NO. 3	
SAMPLES TAKEN ON 10 METER X 10 METER GRID.		90 > 90 pCi/g U		PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)	
SAMPLES TAKEN BEFORE REMEDIATION.		NO SAMPLE - HIT ROCK OR METAL		SOIL SAMPLE ALIQUOT: 0"-6" DEEP	
DRAWN BY: JE		DATE: 9/14/94		CLIENT DRAWING NO.	
CHECKED BY: JA		DATE: 10/1/94		JOB NO.	
APPROVED BY: KM		SCALE: AS SHOWN		DRAWING NO. 90PRB3SS-0	
				REV. 0	









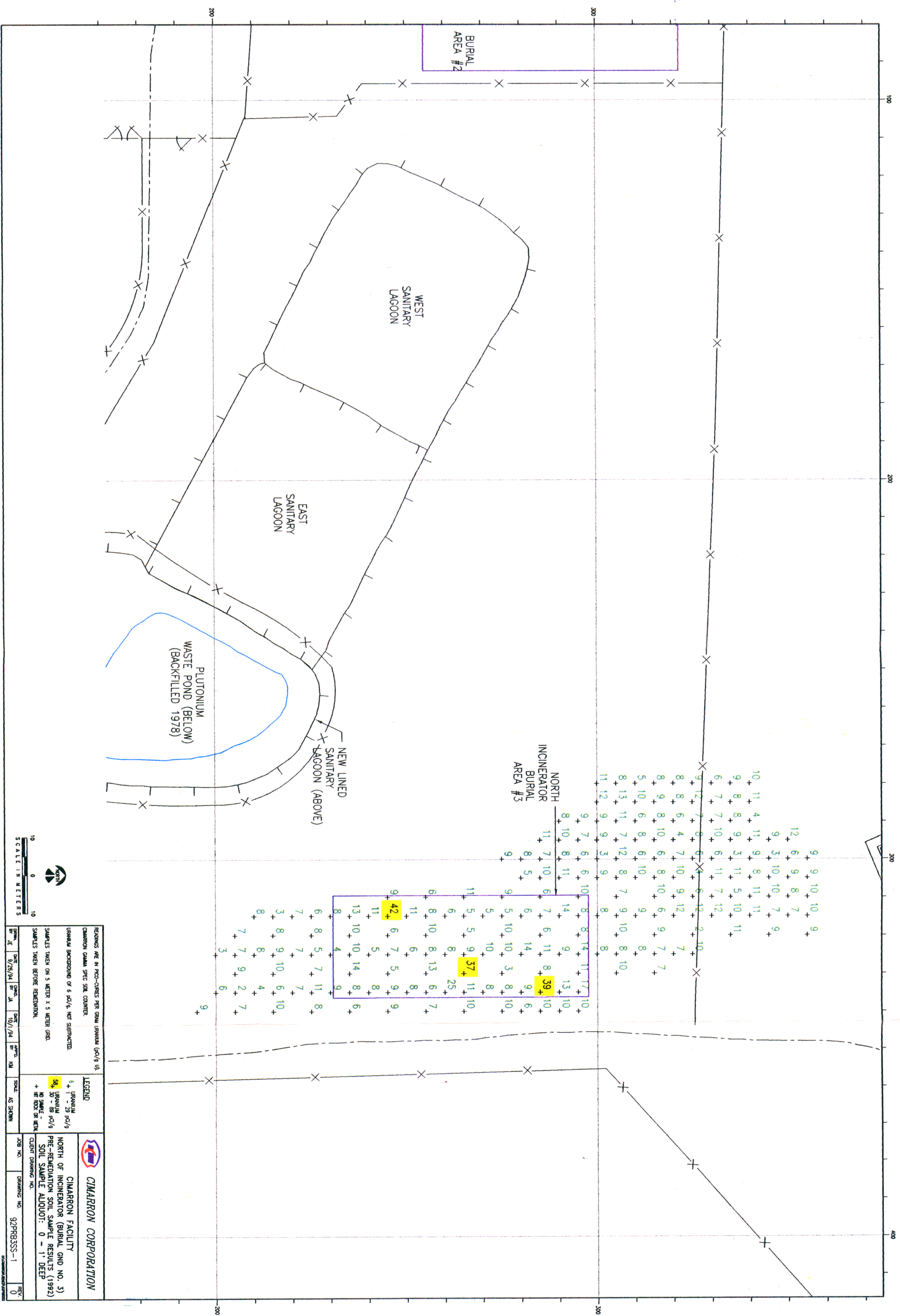




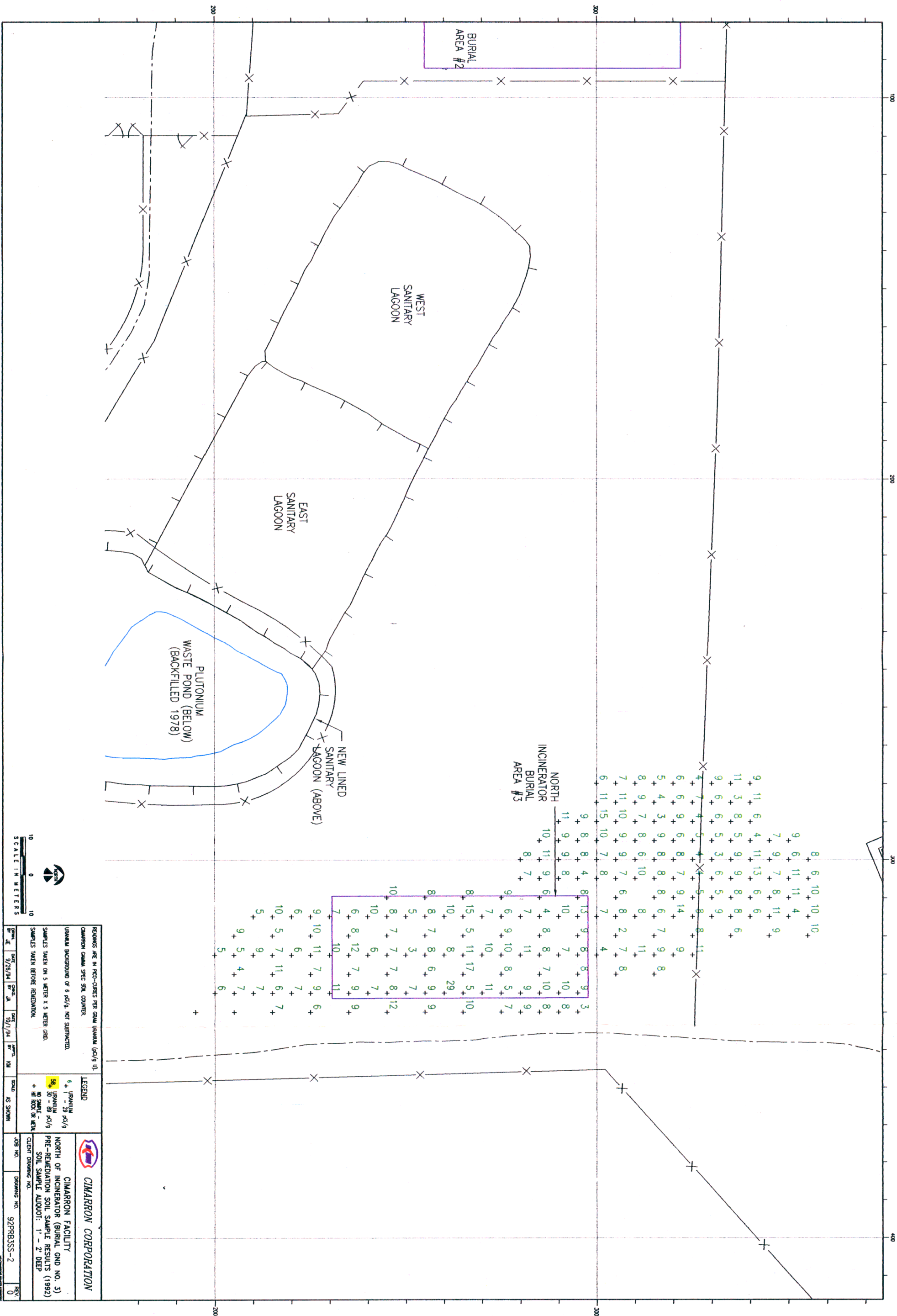




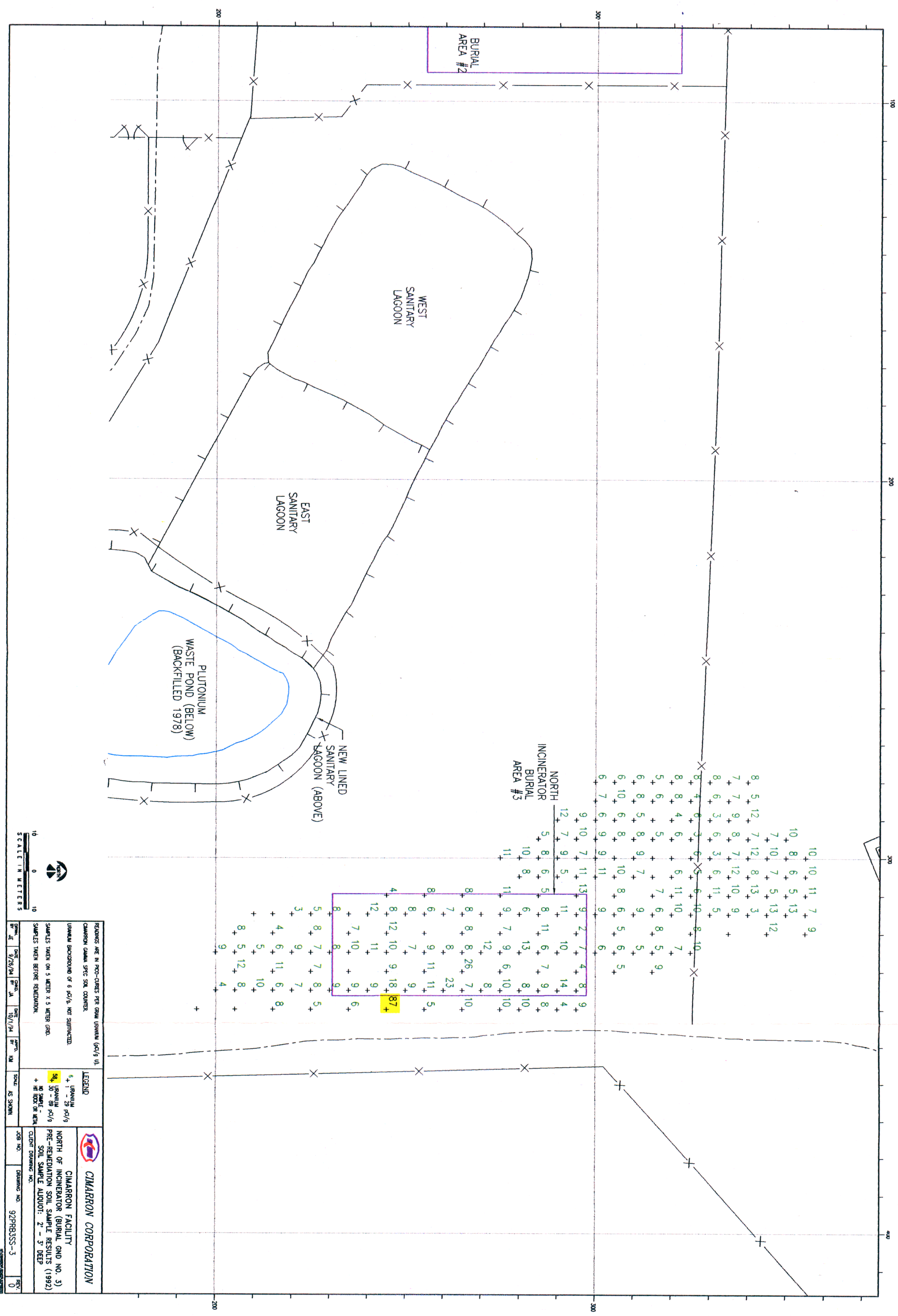




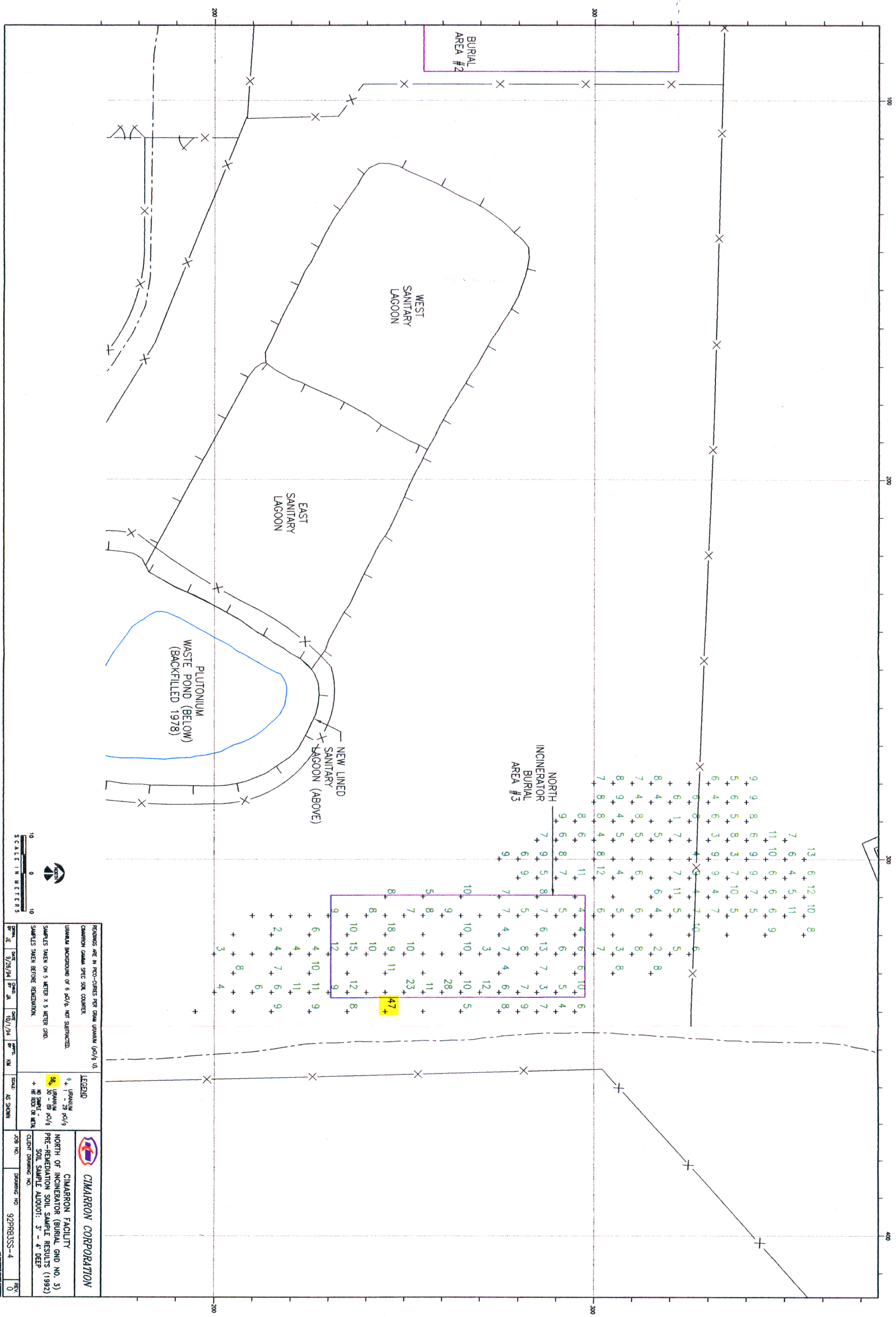




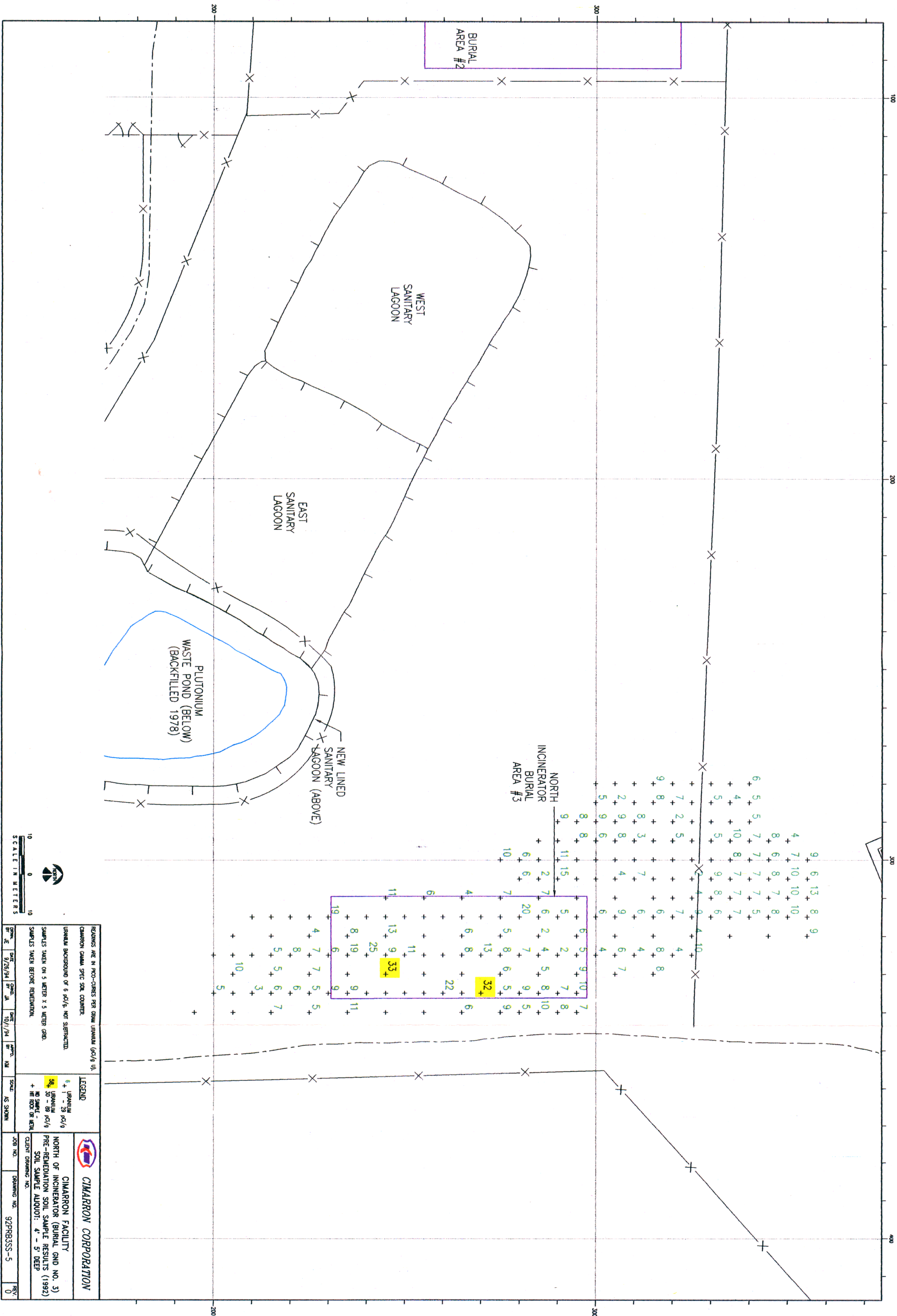




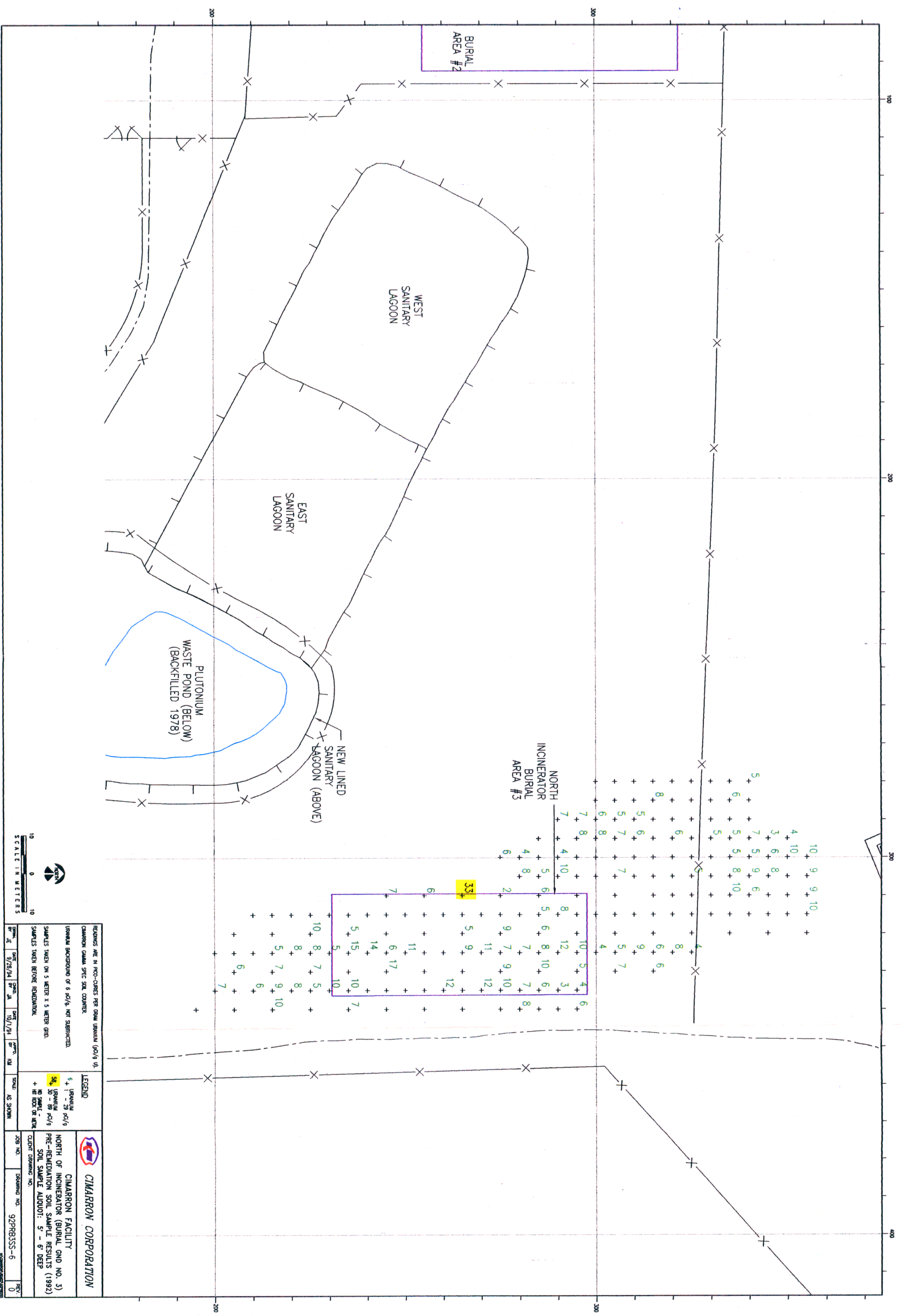




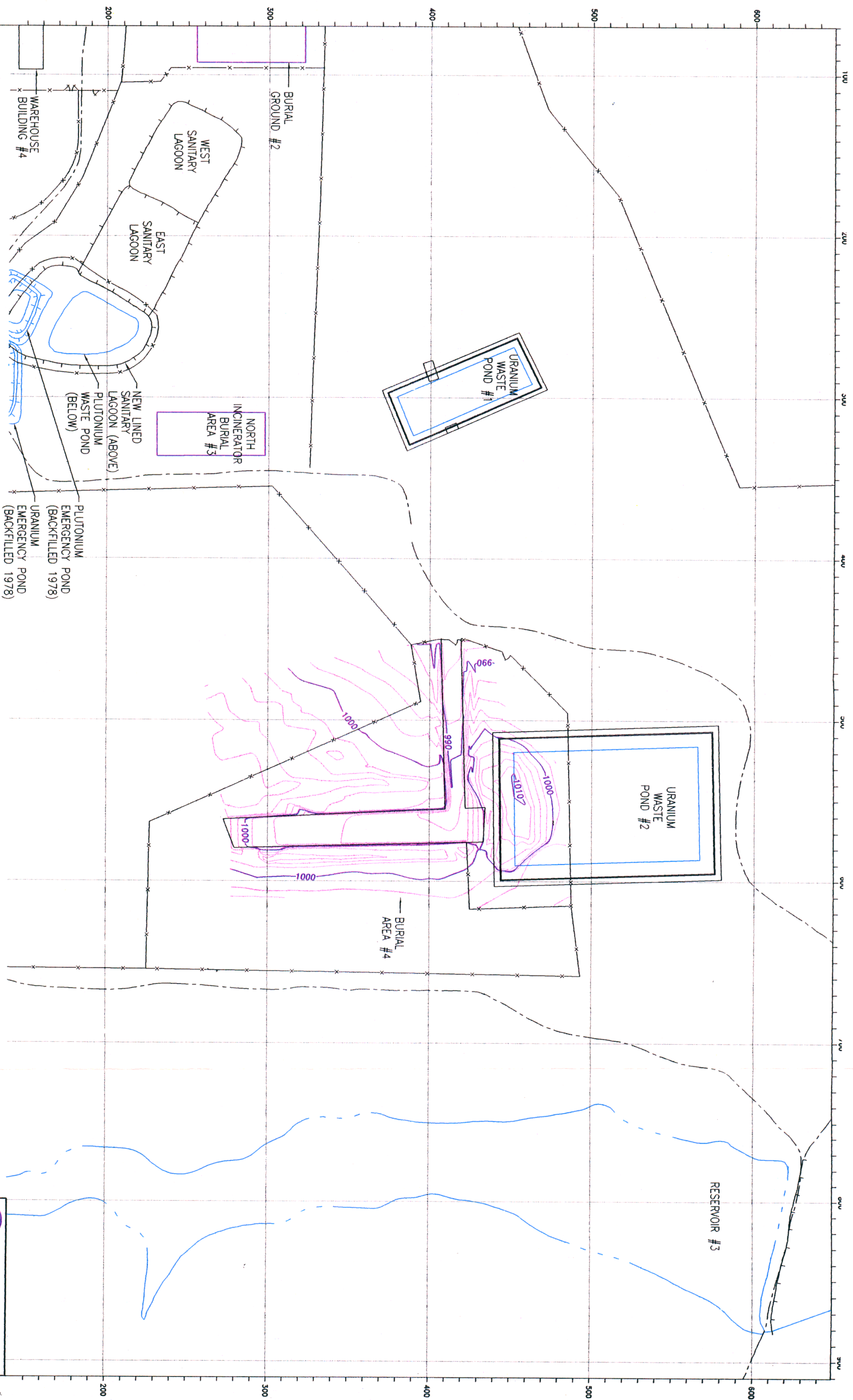












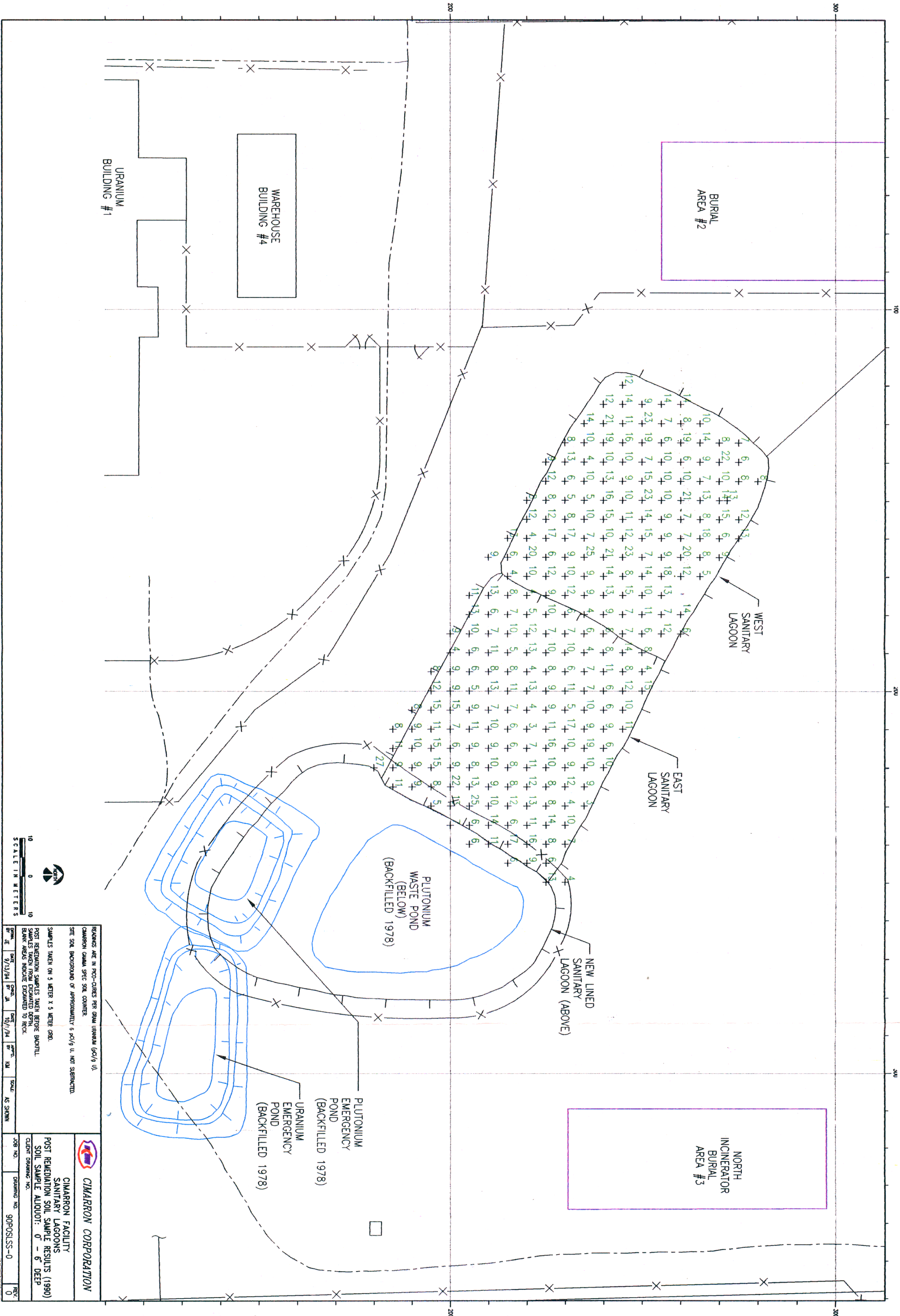
SCALE IN METERS

NOTE:  
SURVEY BY R.E. HEINZ & ASSOCIATES (MAY 1994)

**CIMARRON CORPORATION**  
CIMARRON FACILITY  
SURVEY OF BURIAL GROUND #4 (1994)  
CRESCENT, OKLAHOMA

CLIENT DRAWING NO. 94MOB4-TP1  
DRAWING NO. 0  
REV. 0





URANIUM  
BUILDING #1

WAREHOUSE  
BUILDING #4

BURIAL  
AREA #2

WEST  
SANITARY  
LAGOON

EAST  
SANITARY  
LAGOON

NEW LINED  
SANITARY  
LAGOON (ABOVE)

PLUTONIUM  
WASTE POND  
(BELOW)  
(BACKFILLED 1978)

URANIUM  
EMERGENCY  
POND  
(BACKFILLED 1978)

NORTH  
INCINERATOR  
BURIAL  
AREA #3

**CIMARRON CORPORATION**

**CIMARRON FACILITY  
SANITARY LAGOONS**

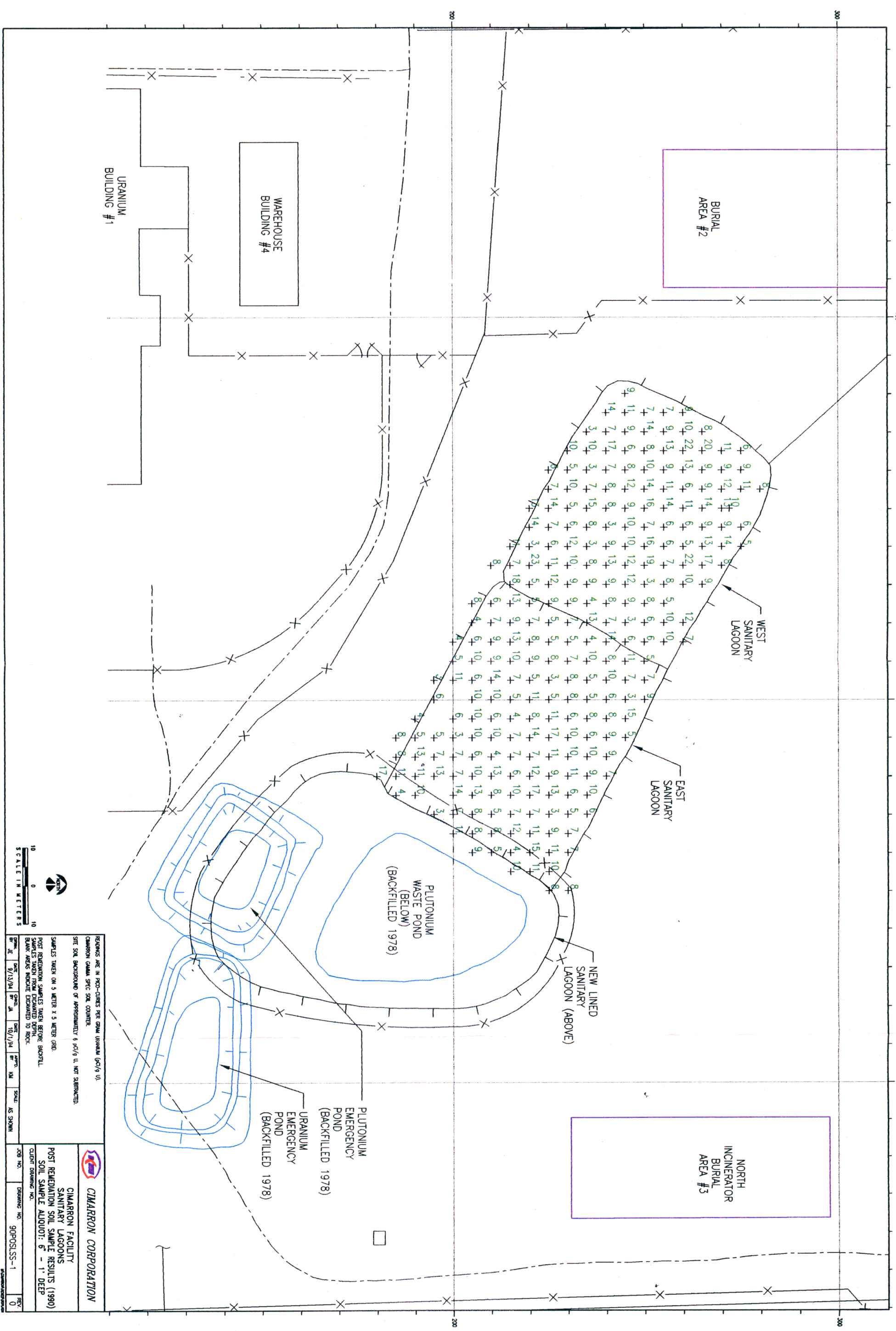
POST REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALLOUT: 0 - 6 DEEP

REMARKS ARE IN PPD-CITIES PER GRAM URANIUM (ppm/g U).  
CHARTERED CANADA SPEC SOIL COUNTS  
SITE SOIL BACKGROUND OF APPROXIMATELY 6 ppm/g U, NOT SUBTRACTED.  
SAMPLES TAKEN ON 5 METER X 5 METER GRID.  
POST REMEDIATION SAMPLES TAKEN BEFORE BACKFILL.  
SOIL SAMPLES TAKEN FROM 0 - 6 DEEP.  
SOIL SAMPLES TAKEN FROM 0 - 6 DEEP.  
SOIL SAMPLES TAKEN FROM 0 - 6 DEEP.

SCALE IN METERS  
10 0 10

DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY
9/13/94	JA	10/1/94	JA	10/1/94	JA	10/1/94	JA	10/1/94	JA





REMARKS ARE IN PRO-CURIES PER GRAM URANIUM (P/G/G U)

CIMARRON CANALS SPEC SOIL COUNTER

SITE SOIL BACKGROUND OF APPROXIMATELY 6 P/G/G U, NOT SUBTRACTED

SAMPLES TAKEN ON 5 METER X 5 METER GRID

POST REMEDIATION SAMPLES TAKEN BEFORE BACKFILL

SAMPLES TAKEN FROM EXCAVATED DEPTH

BLANK AREAS INDICATE EXCAVATED TO ROCK

CIMARRON CORPORATION

SANITARY LAGOONS

POST REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALLOUOT: 5' - 1' DEEP

CLIENT DRAWING NO.

JOB NO.

DRAWING NO.

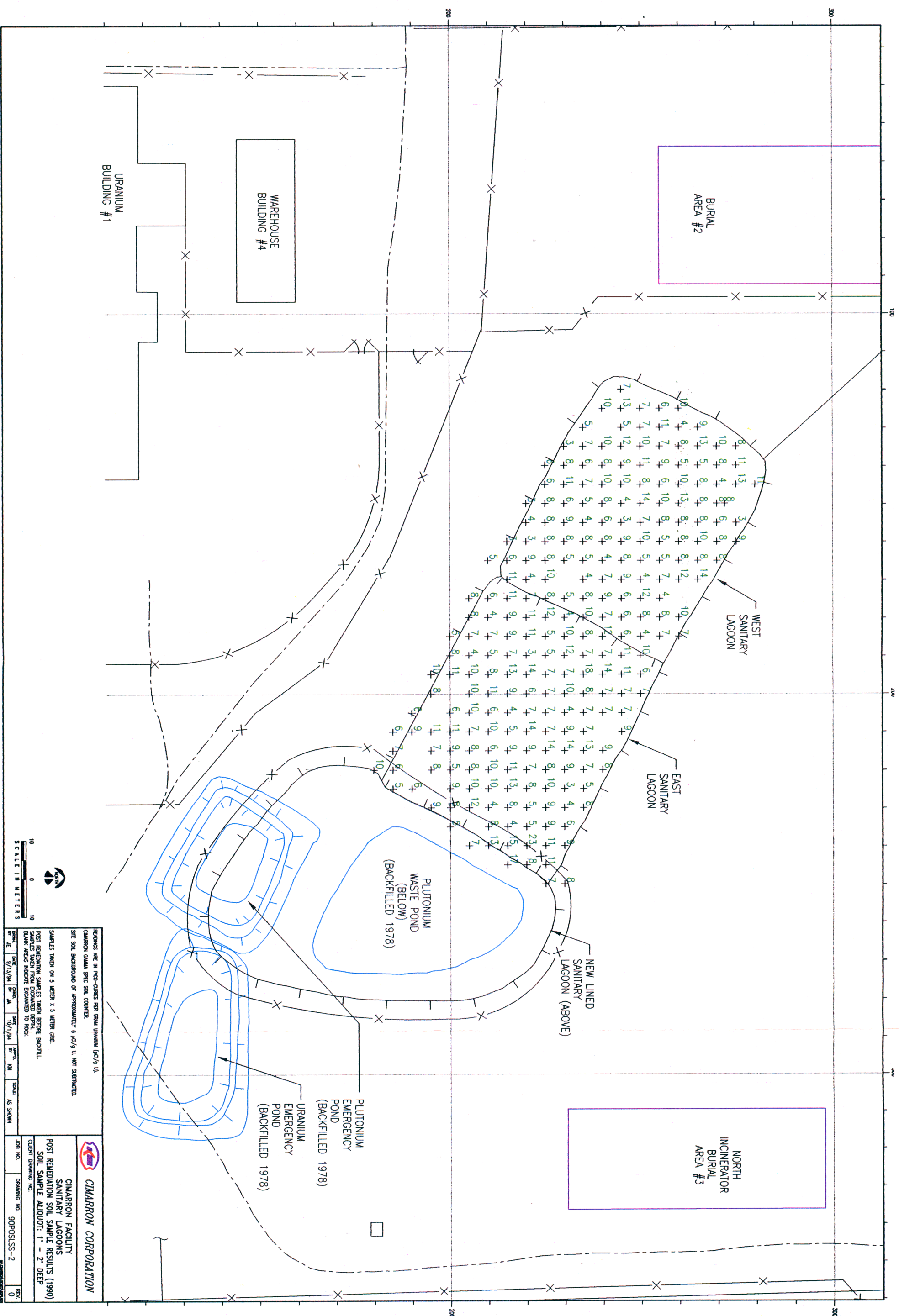
90POSLS-1

REV.

0

DATE	BY	DATE	BY	DATE	BY	SCALE	AS SHOWN
9/13/94	JE	10/1/94	JA	10/1/94	JA	10	AS SHOWN





**CIMARRON CORPORATION**

CIMARRON FACILITY  
SANITARY LAGOONS  
POST REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALIQUOT: 1' - 2' DEEP

CLIENT DRAWING NO.

JOB NO.	DRAW
---------	------

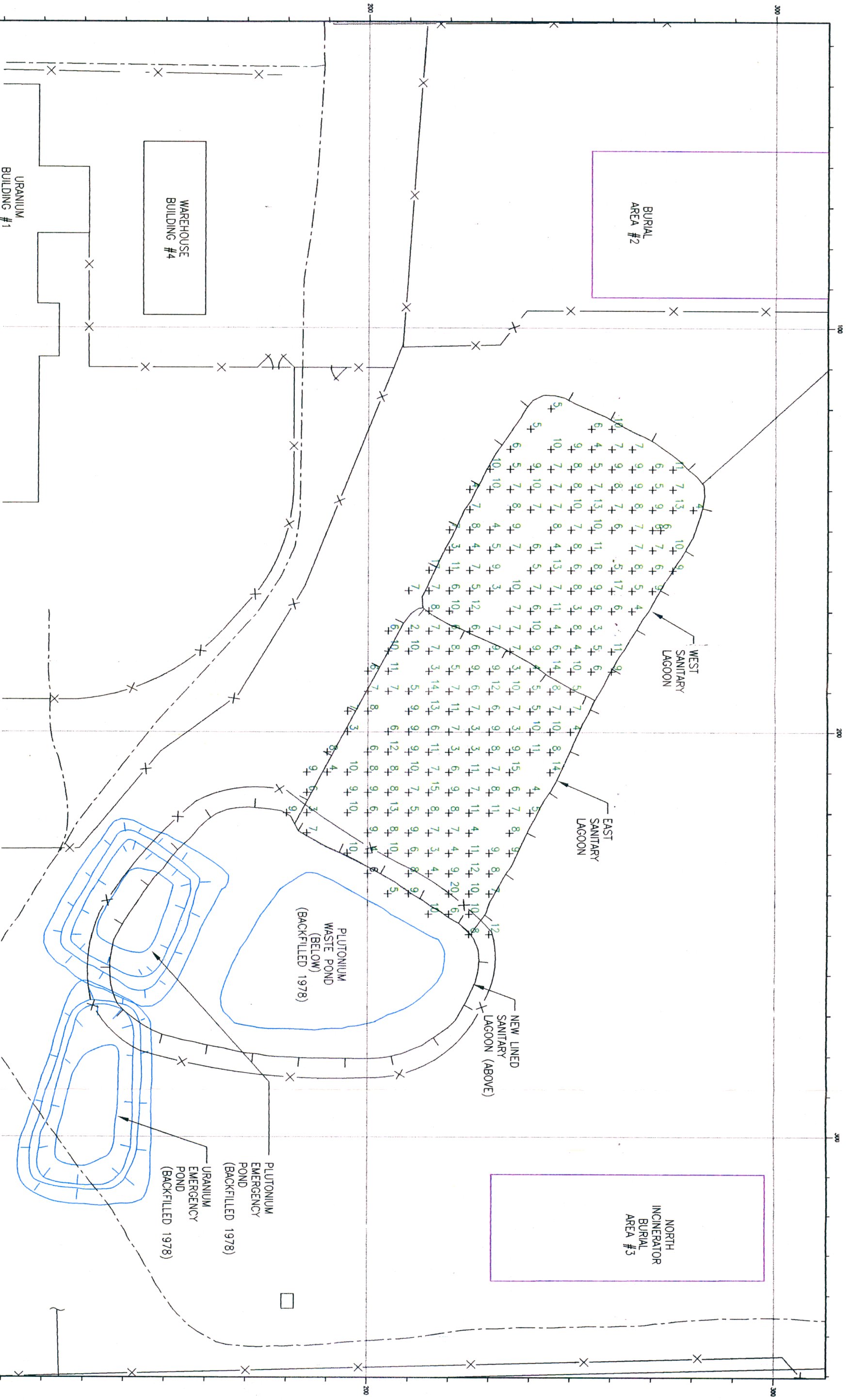
JOB NO.	DRAWN

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[illegible][illegible]

10



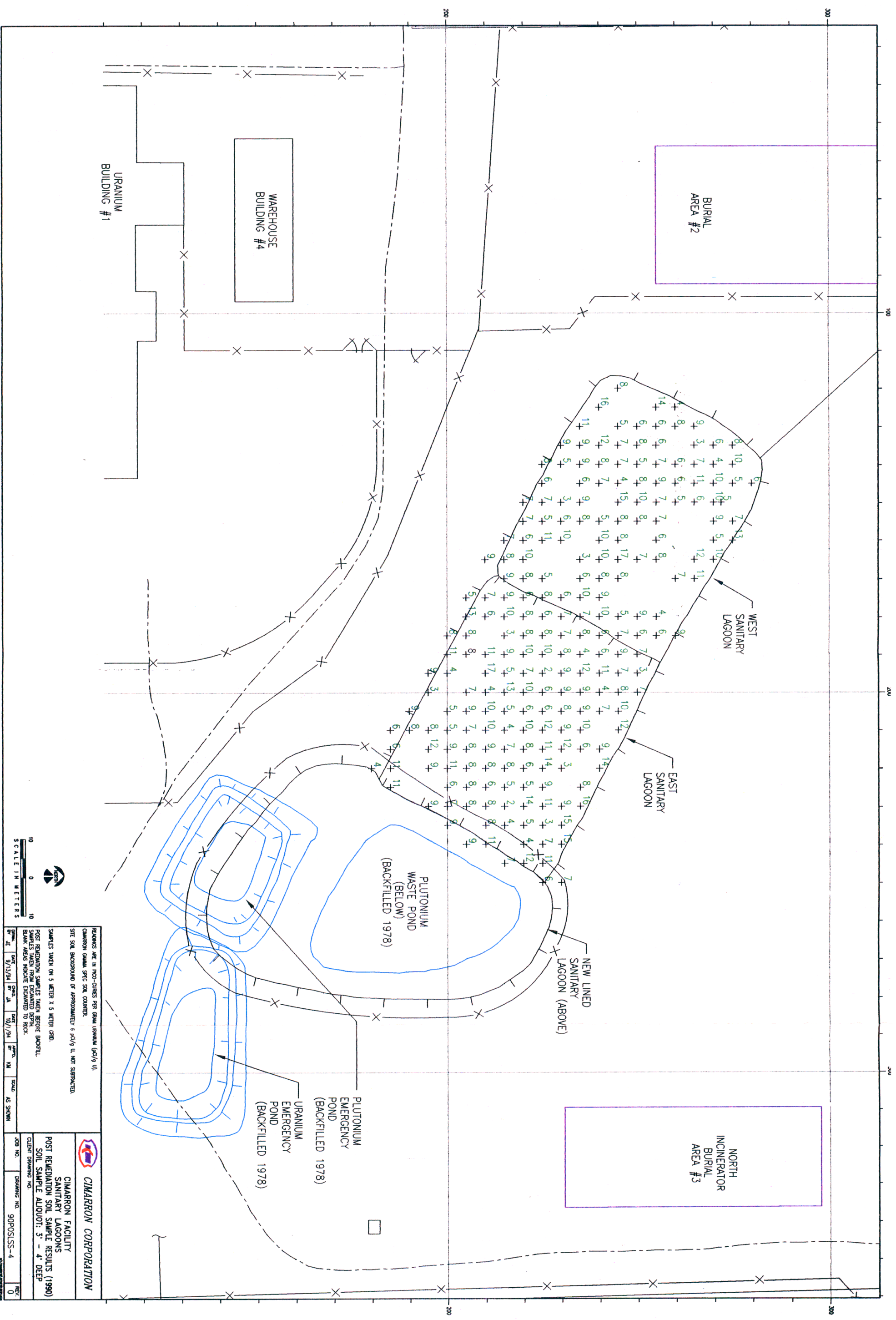


REMARKS ARE IN PPO-COUNTS PER GRAM URANIUM (Gd/g U).  
CIMARRON GAMMA SPEC SOIL COUNTER.  
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.  
SAMPLES TAKEN ON 5 METER X 5 METER GRID.  
POST REMEDIATION SAMPLES TAKEN BEFORE BACKFILL.  
SAMPLES TAKEN FROM EXCAVATED DEPTH.  
BLANK AREAS INDICATE EXCAVATED TO ROCK.

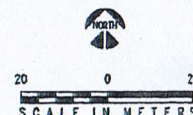
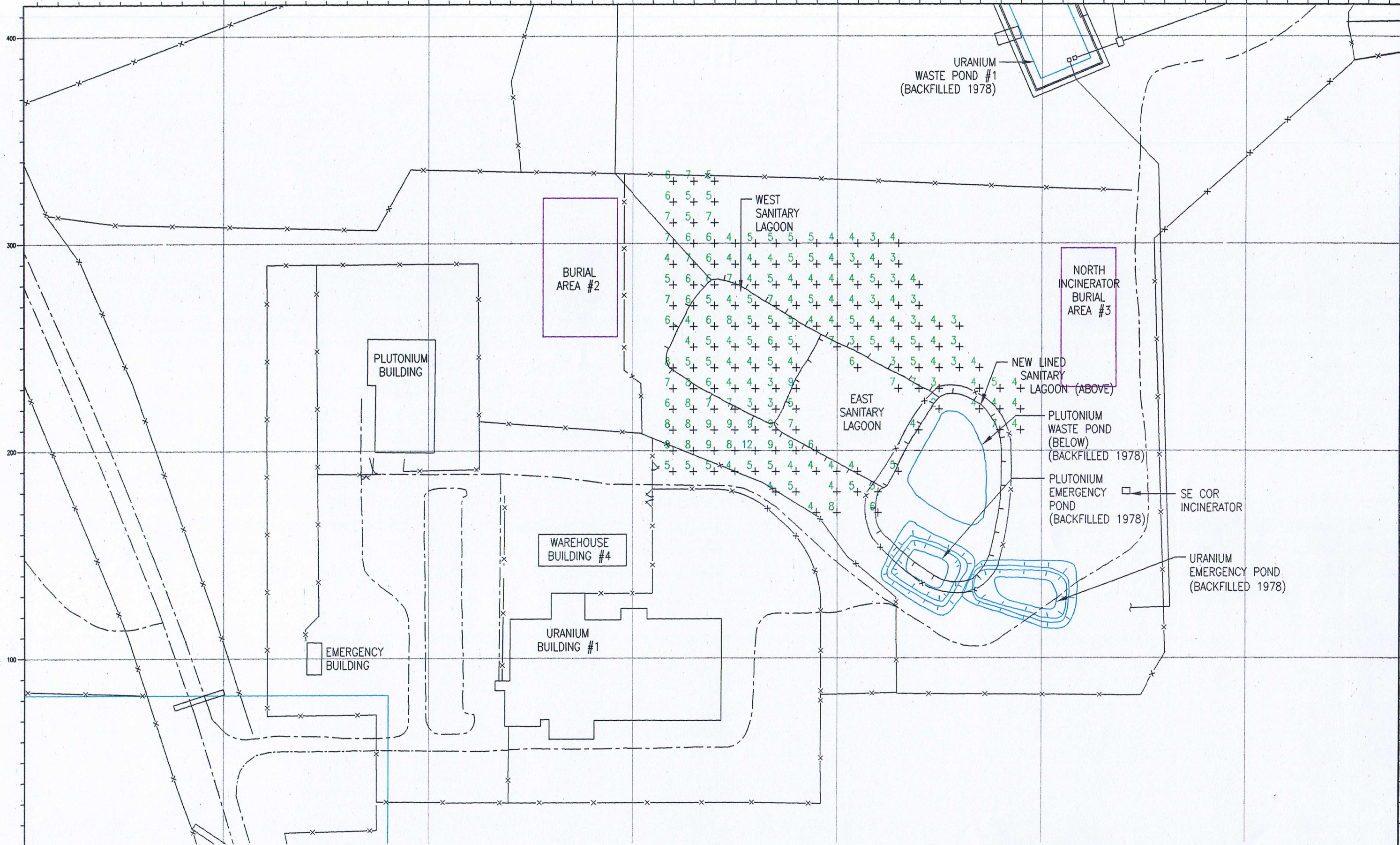
**CIMARRON CORPORATION**  
SANTARY FACILITY  
POST REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALLOQUOT: 2" - 3" DEEP  
CLIENT DRAWING NO. 90POSLS-3  
JOB NO. DRAWING NO. 90POSLS-3  
REV. 0

10 0 10  
SCALE IN METERS



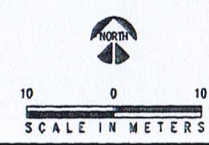
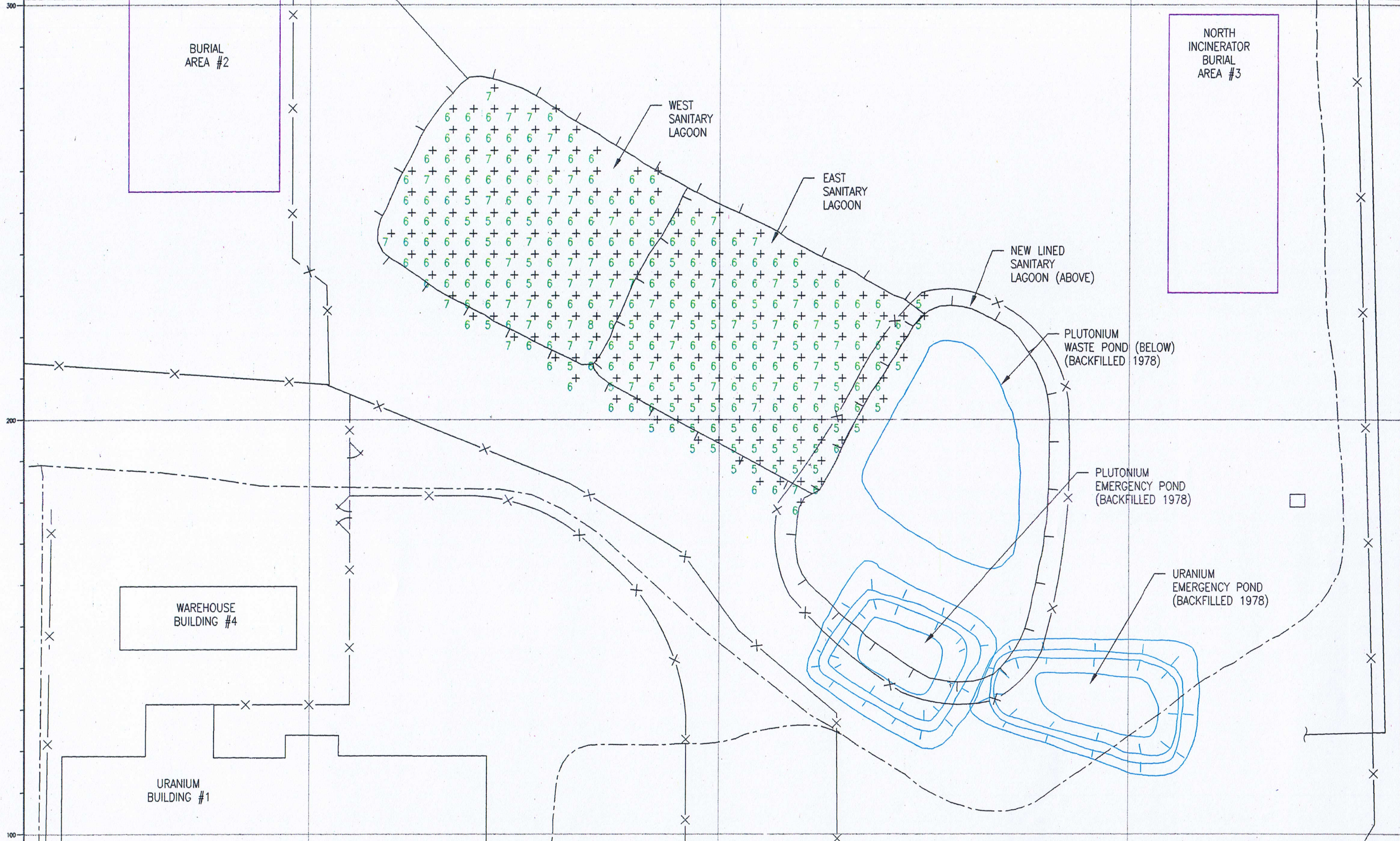






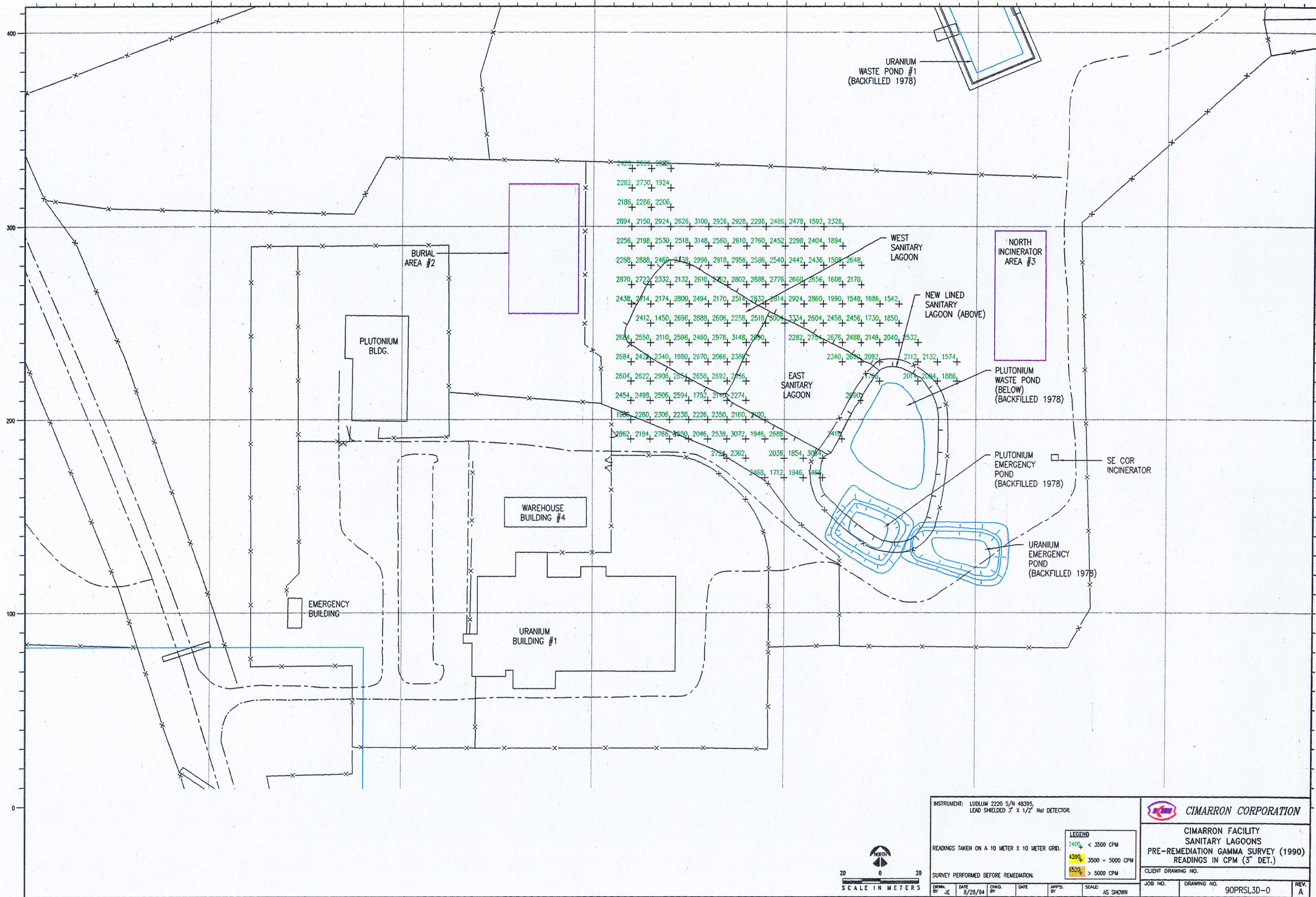
READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ )				CIMARRON CORPORATION	
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY	
MODEL NO: 125				SANITARY LAGOONS	
SERIAL NO: 9081				PRE-REMEDIATION MICRO-R SURVEY (1990)	
ESTABLISHED SITE BACKGROUND OF 7 $\mu R/Hr.$ NOT SUBTRACTED.				AT LAND SURFACE	
SAMPLES TAKEN ON A 10 METER BY 10 METER GRID				CLIENT DRAWING NO.	
READINGS TAKEN BEFORE REMEDIATION.				JOB NO.	
DRWN. BY	DATE	CHKD. BY	DATE	APPRD. BY	SCALE
JE	8/26/94				AS SHOWN
				DRAWING NO. 90PRSLUR-0	
				REV. A	





READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ ) INSTRUMENT: LUDLUM MICRO-R METER MODEL NO: 125 SERIAL NO: 9081				<b>CIMARRON CORPORATION</b>	
ESTABLISHED SITE BACKGROUND OF 7 $\mu R/Hr.$ , NOT SUBTRACTED. SAMPLES TAKEN ON A 5 METER X 5 METER GRID. READINGS WERE TAKEN AFTER REMEDIATION, BUT BEFORE BACKFILL.				<b>CIMARRON FACILITY</b> OLD EAST & WEST SANITARY LAGOONS POST REMEDIATION MICRO-R SURVEY (1990) AT ONE METER ABOVE SURFACE	
CLIENT DRAWING NO.				JOB NO.	
DRAWING NO.				REV.	
DATE: 7/27/94 BY: JE				90POSUR-1 A	



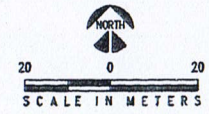



INSTRUMENT: LUDLUM 2220 S/N 48395,  
LEAD SHIELDED 3" X 1/2" NaI DETECTOR.

READINGS TAKEN ON A 10 METER X 10 METER GRID.

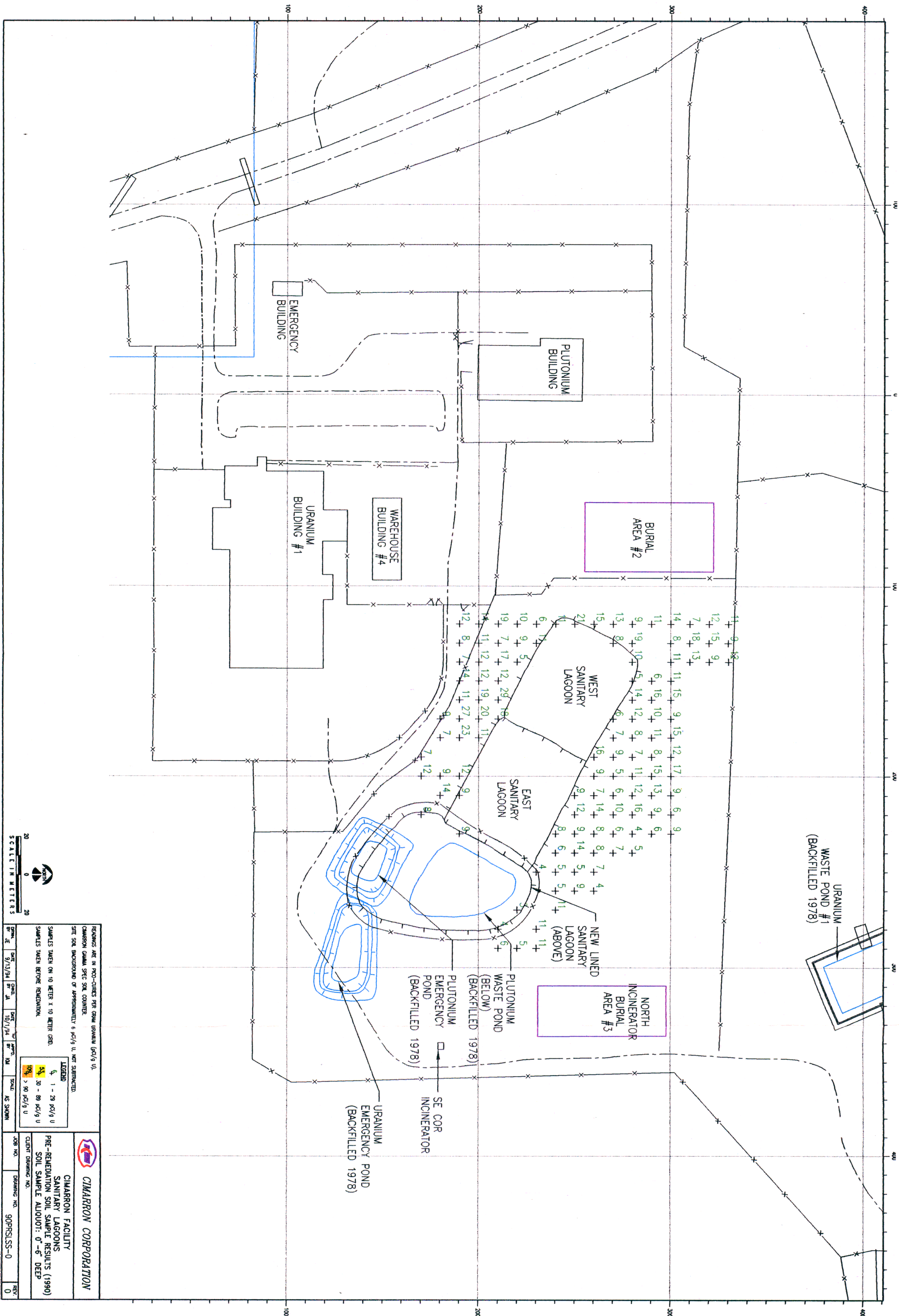
SURVEY PERFORMED BEFORE REMEDIATION.

LEGEND	
2400	< 3500 CPM
4390	3500 - 5000 CPM
6520	> 5000 CPM



 <b>CIMARRON CORPORATION</b>	
CIMARRON FACILITY SANITARY LAGOONS PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO. 90PRSL3D-0
REV. A	

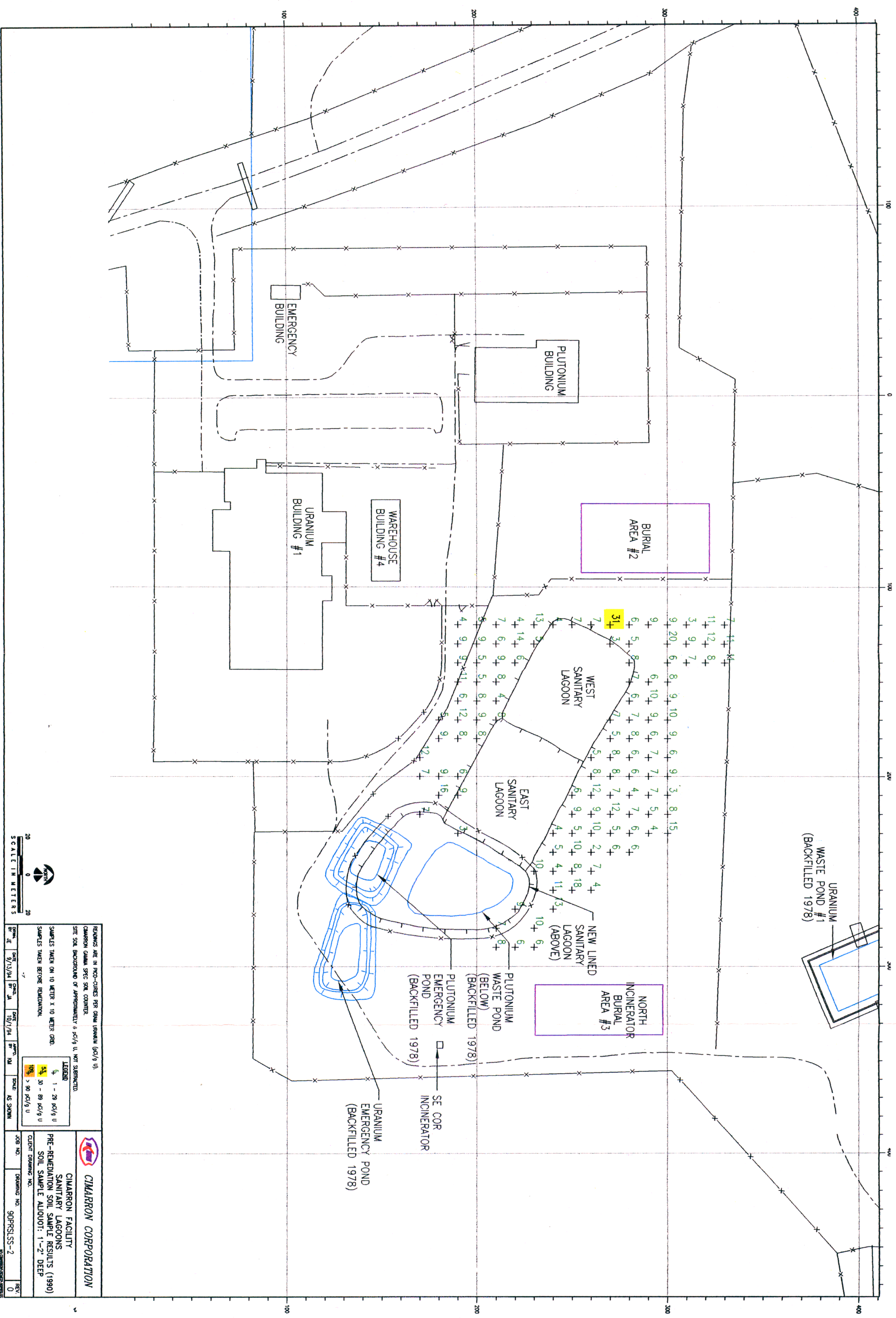




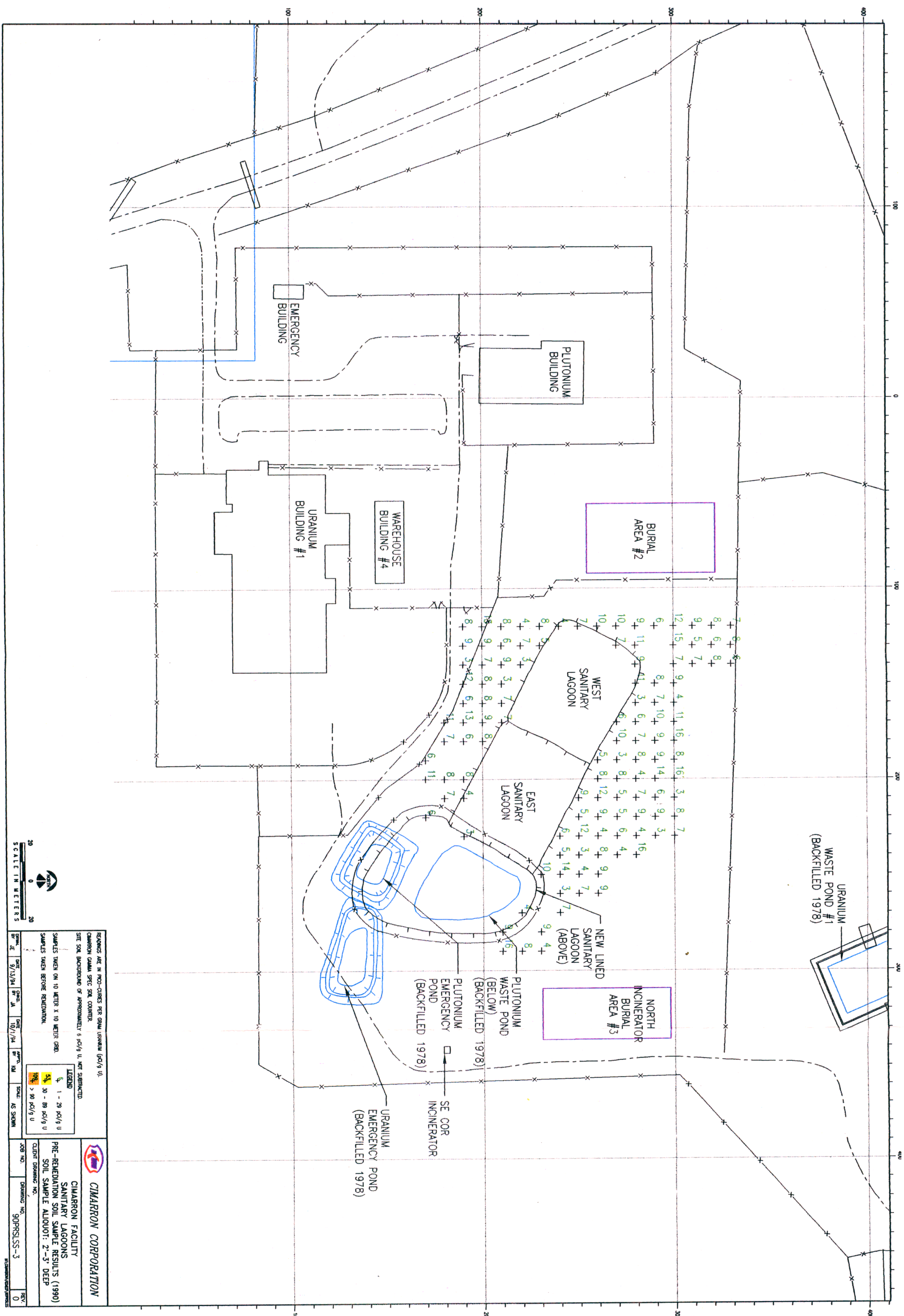










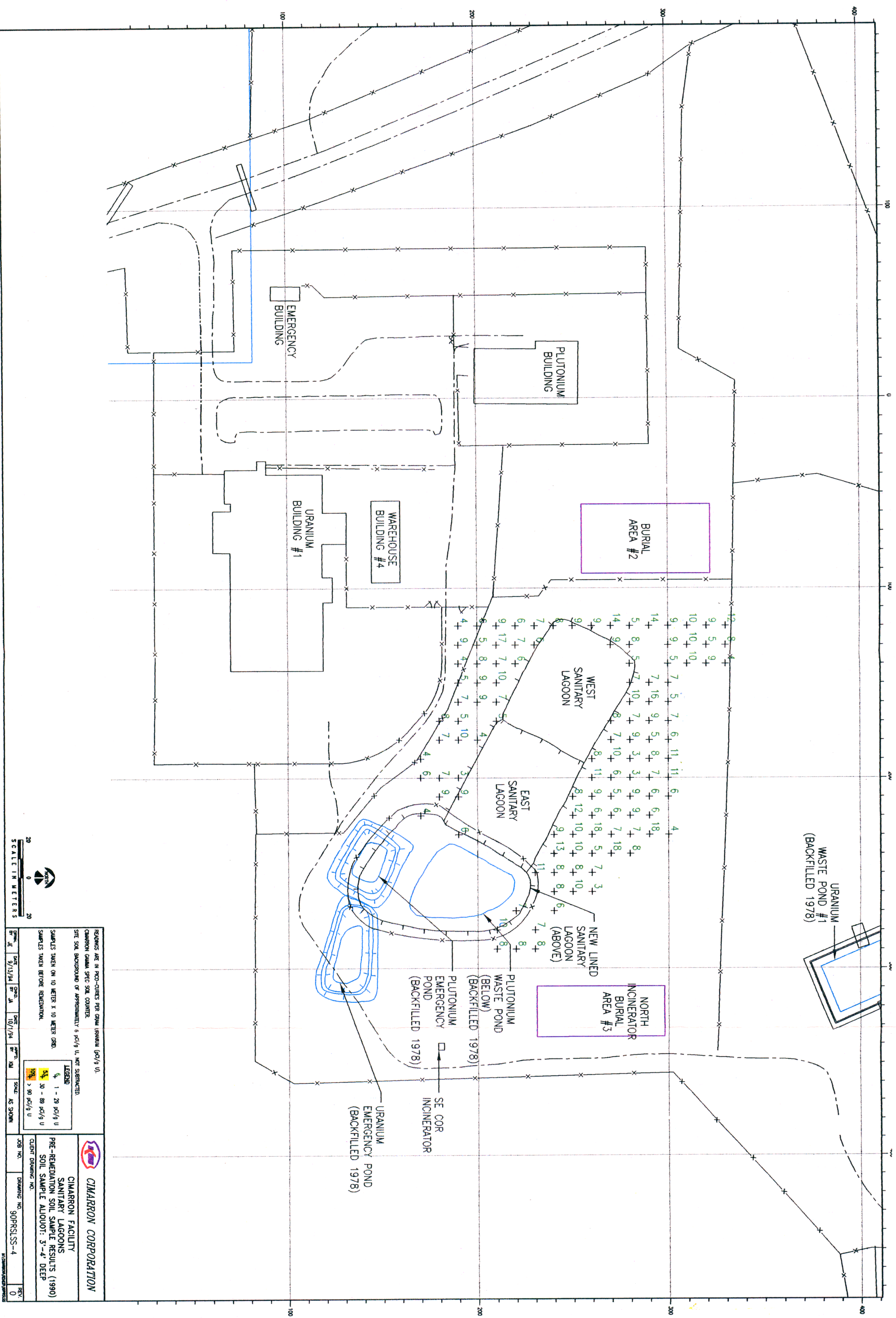


REVISIONS ARE IN PENCIL-CHANGES PER ORIGIN (pCi/g U).  
CIMARRON CANADA SPEC. SOIL. COUNTER.  
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.  
SAMPLES TAKEN ON 10 METER X 10 METER GRID.  
SAMPLES TAKEN BEFORE REMEDIATION.

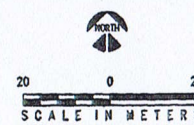
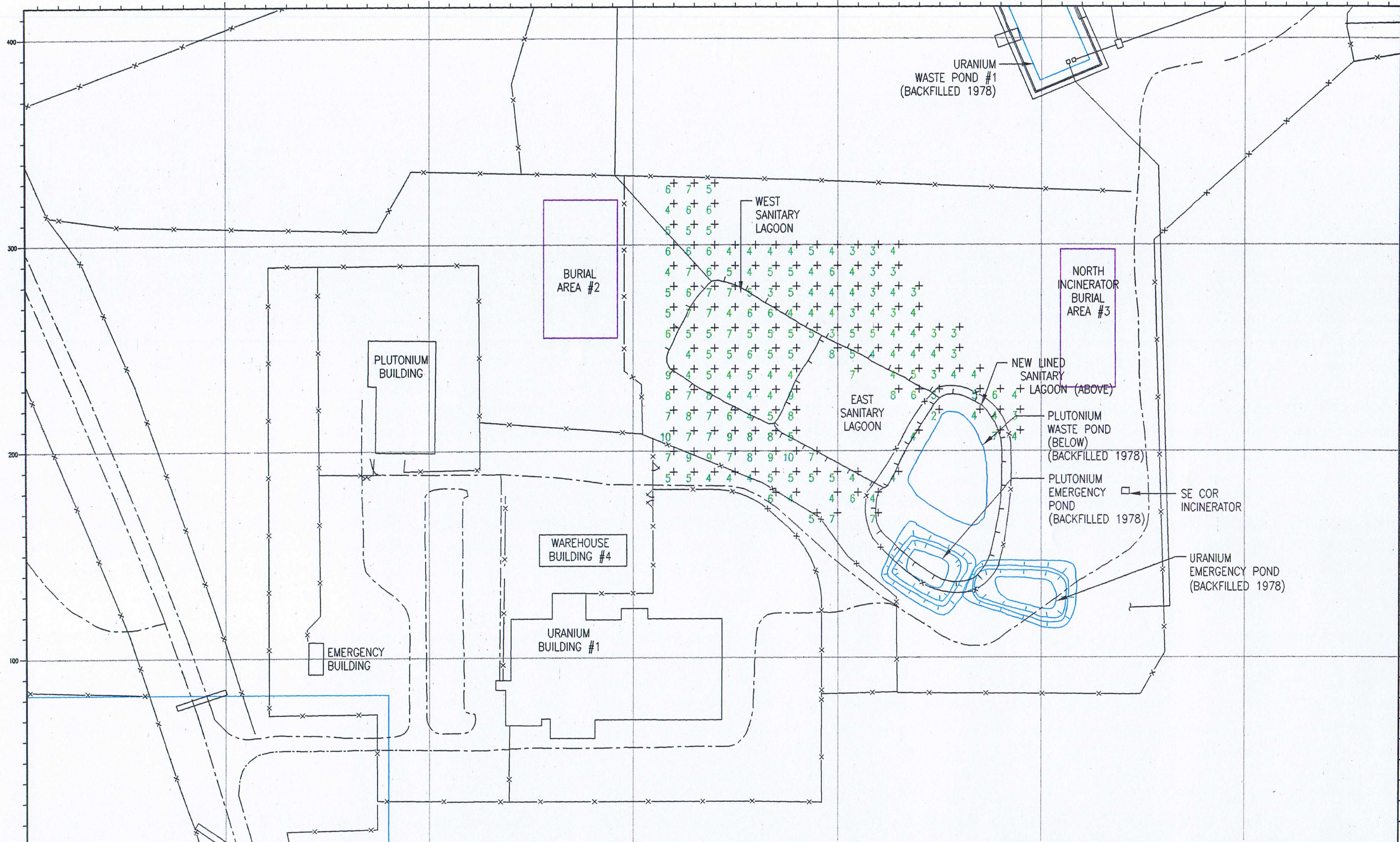
**CIMARRON CORPORATION**  
SANITARY LAGOONS  
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALIQUOT: 2"-3" DEEP

DATE	9/13/94	BY	JA	DATE	10/1/94	BY	JA	SCALE	AS SHOWN
REV.	0	DATE	9/13/94	BY	JA	DATE	10/1/94	BY	JA







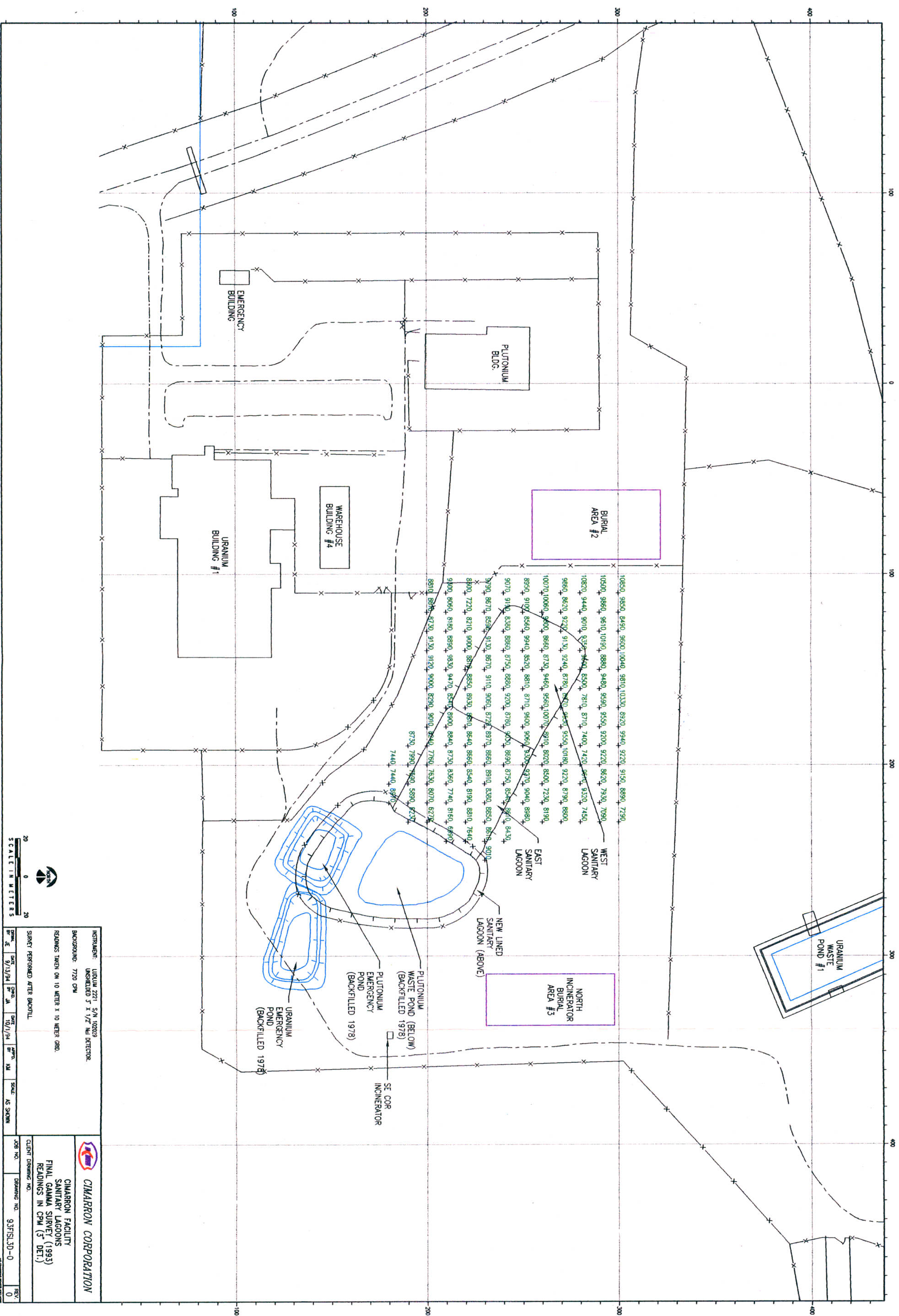


READINGS ARE IN MICRO-R/Hr. ( $\mu R/Hr.$ )  
INSTRUMENT: LUDLUM MICRO-R METER  
MODEL NO: 125  
SERIAL NO: 9081  
ESTABLISHED SITE BACKGROUND OF  $7 \mu R/Hr.$ , NOT SUBTRACTED.  
SAMPLES TAKEN ON A 10 METER BY 10 METER GRID  
READINGS TAKEN BEFORE REMEDIATION.

DATE: 8/26/94  
SCALE: AS SHOWN

CIMARRON CORPORATION	
CIMARRON FACILITY SANITARY LAGOONS PRE-REMEDIATION MICRO-R SURVEY (1990) AT ONE METER ABOVE SURFACE	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO. 90PRSLUR-1
REV. A	






INSTRUMENT: LUDLUM 2221 S/N 102029  
UNSHIELDED 5 X 1/2" NaI DETECTOR.

BACKGROUND: 7720 CPM

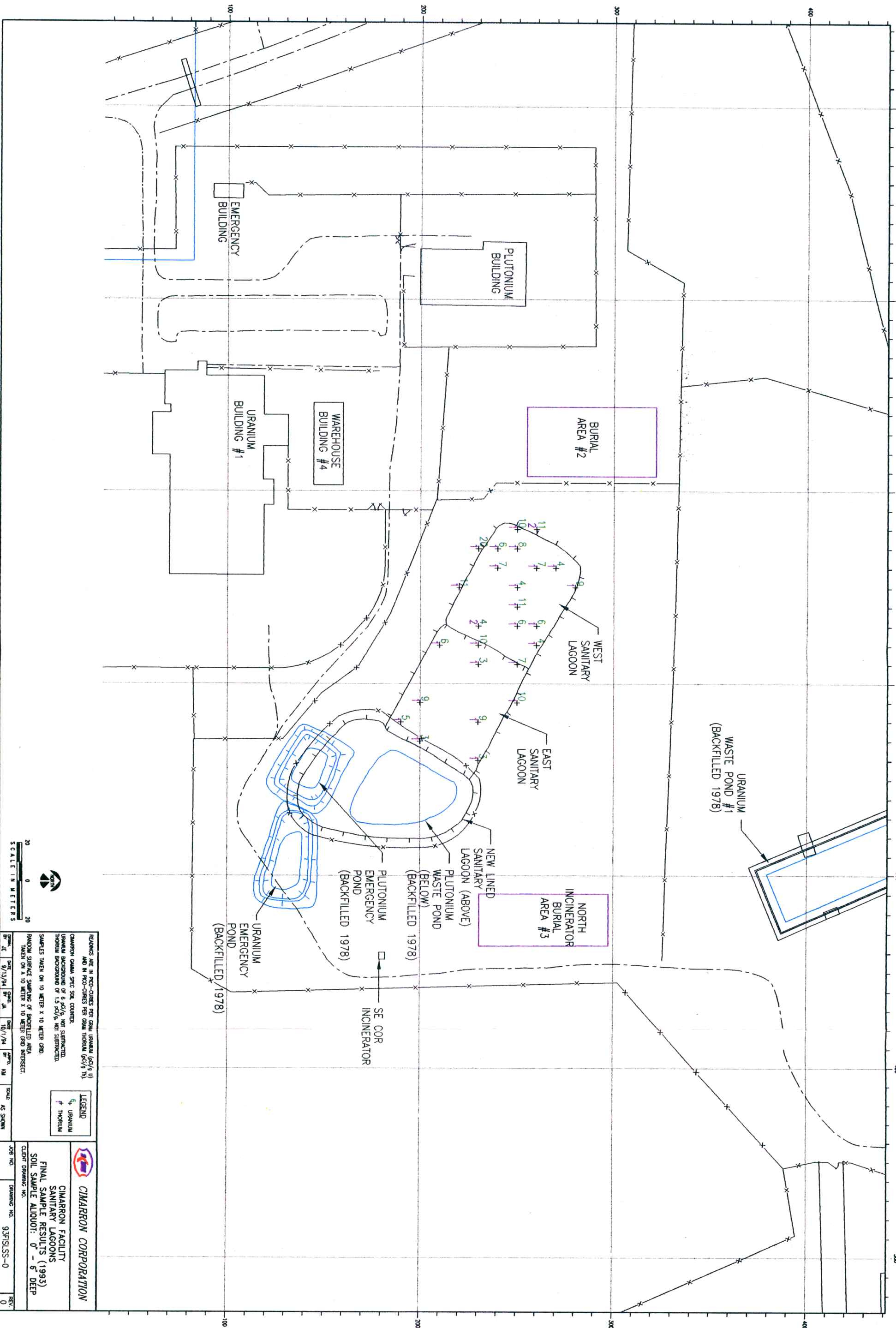
READINGS TAKEN ON 10 METER X 10 METER GRID.

**SURVEY PERFORMED AFTER BACKFILL**

DATE	9/13/94	DATE	10/1/94	SCALE:
BY	JE	BY	JA	AS SHOWN
CHGO.		CHGO.		
APPR.		APPR.	KM	

	<b>CIMARRON CORPORATION</b>	
	CIMARRON FACILITY SANITARY LAGOONS FINAL GAMMA SURVEY (1993) READINGS IN CPW (3 DET.)	
JOB NO.	DRAWING NO.	REV.
93FSL3D-0	0	0





REMARKS ARE IN PRO-COUNTS PER GRAM URANIUM (P/G/G) AND IN PRO-COUNTS PER GRAM THORIUM (P/G/G TH).

CIMARRON GAMMA SPEC. SOIL COUNTER.

URANIUM BACKGROUND OF 5 P/G/G, NOT SUBTRACTED.

THORIUM BACKGROUND OF 15 P/G/G, NOT SUBTRACTED.

SAMPLES TAKEN ON 10 METER X 10 METER GRID.

RANDOM SURFACE SAMPLING OF BACKFILLED AREA TAKEN ON A 10 METER X 10 METER GRID INTERSECT.

**LEGEND**

U<sub>1</sub> URANIUM

Th THORIUM

**CIMARRON CORPORATION**

CIMARRON FACILITY

SANITARY LAGOONS

FINAL SAMPLE RESULTS (1993)

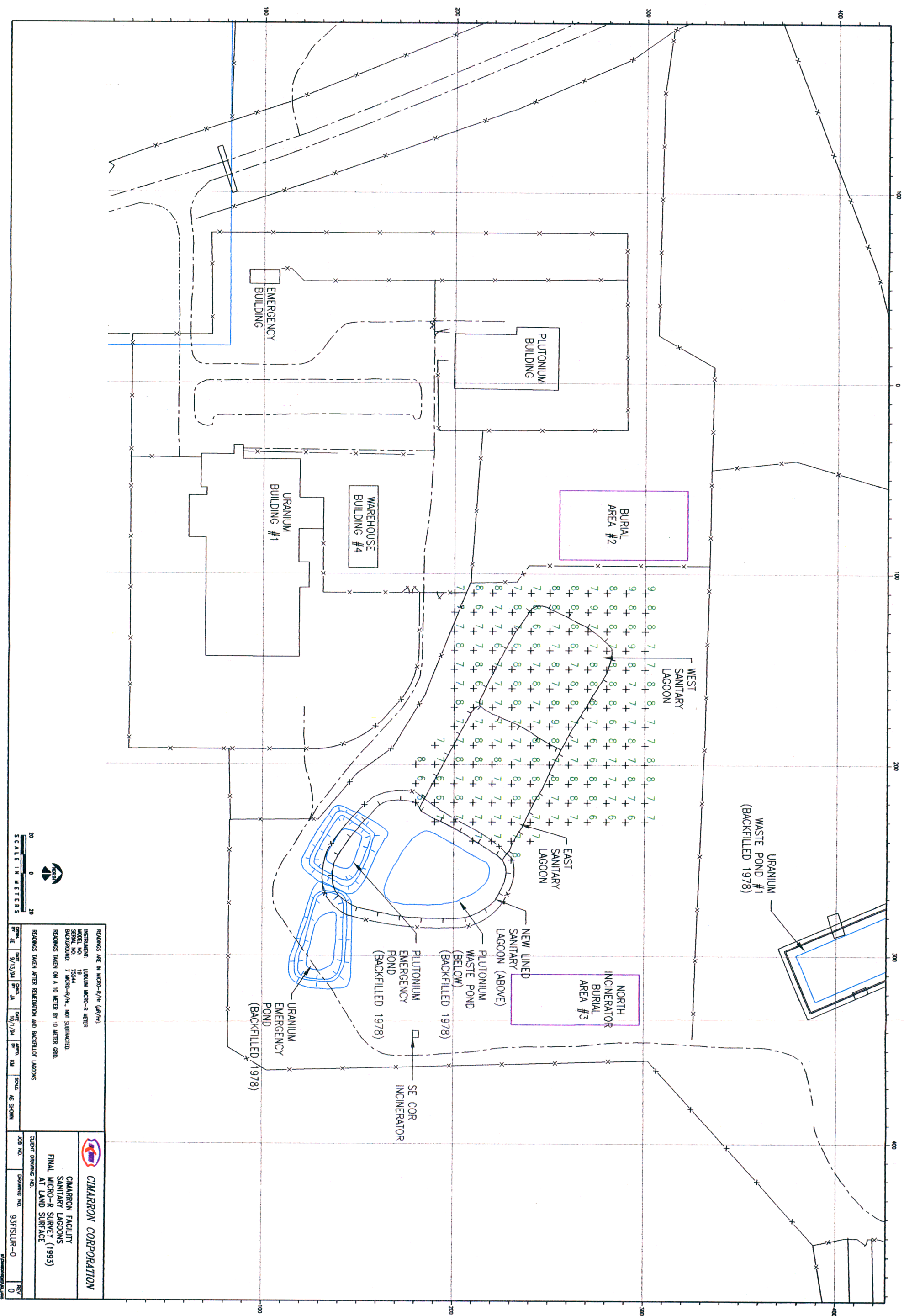
SOIL SAMPLE ALIQUOT: 0" - 6" DEEP

CLIENT DRAWING NO.

DRAWING NO. 93FSLSS-0

REV. 0

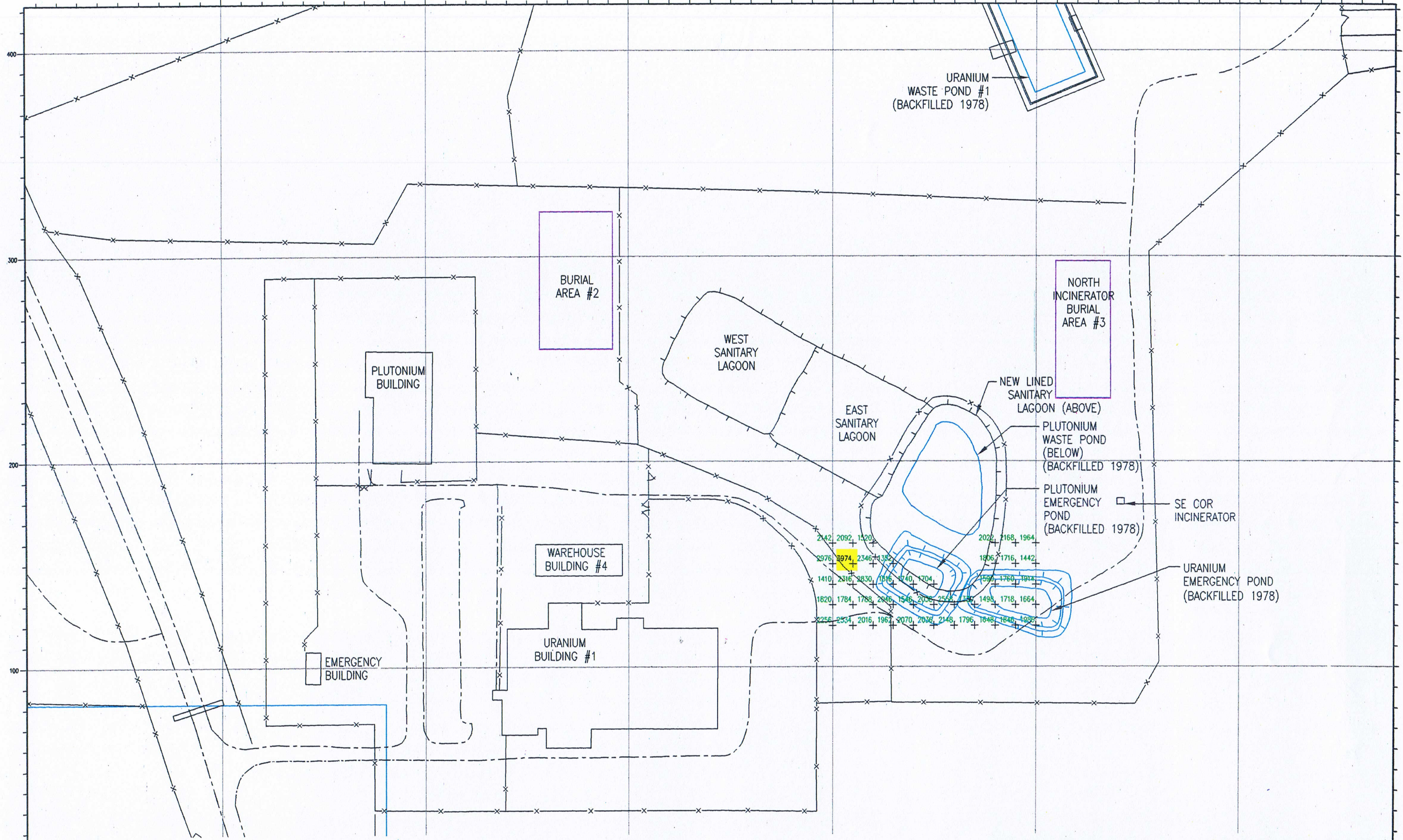












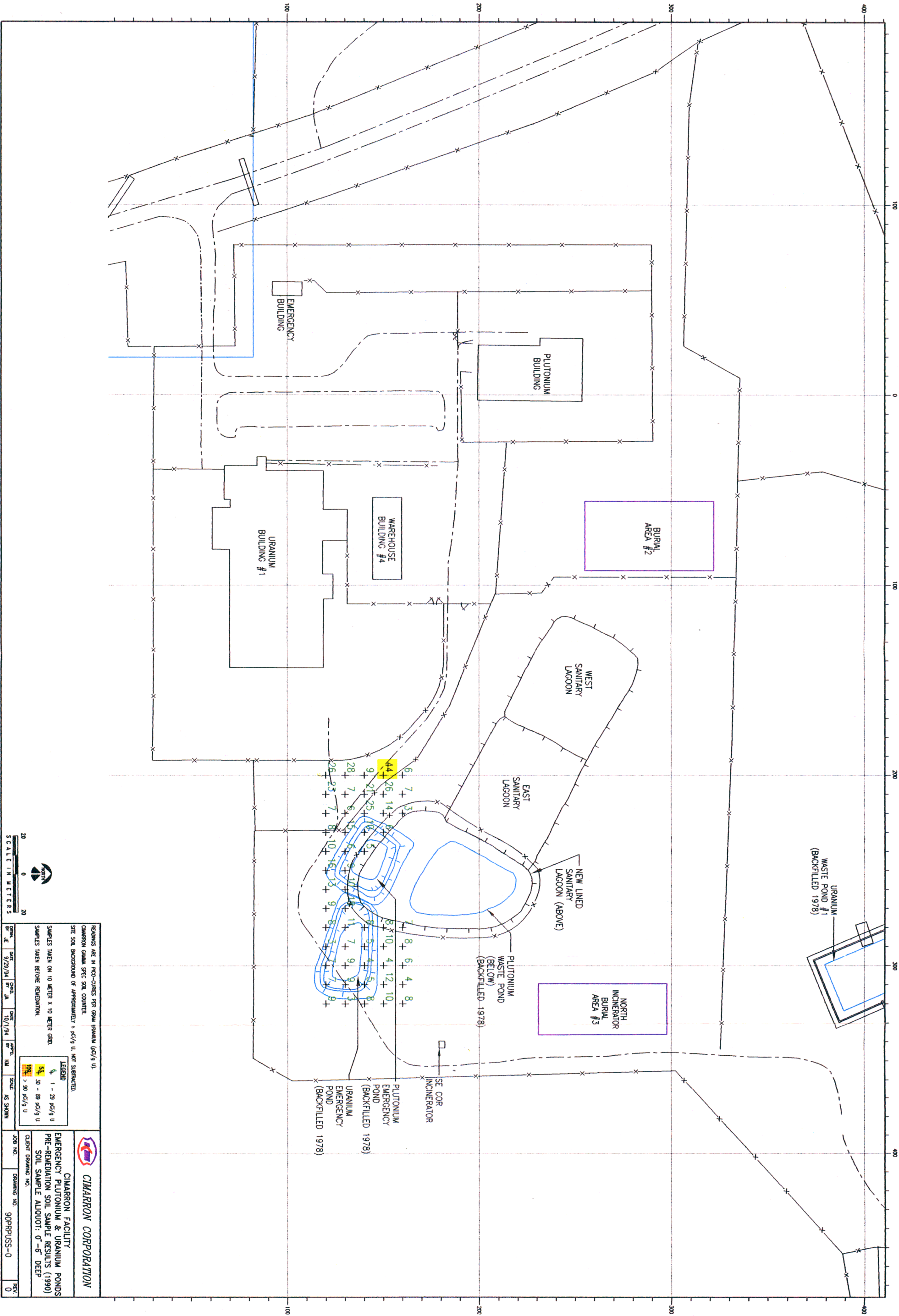
INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" X 1/2" NaI DETECTOR.			
READINGS TAKEN ON A 10 METER X 10 METER GRID.		CIMARRON FACILITY EMERGENCY PLUTONIUM & URANIUM PONDS PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT DRAWING NO.	
DATE: 8/23/94	BY: JE	DRAWING NO. 90PRPU3D-0	REV. A

LEGEND

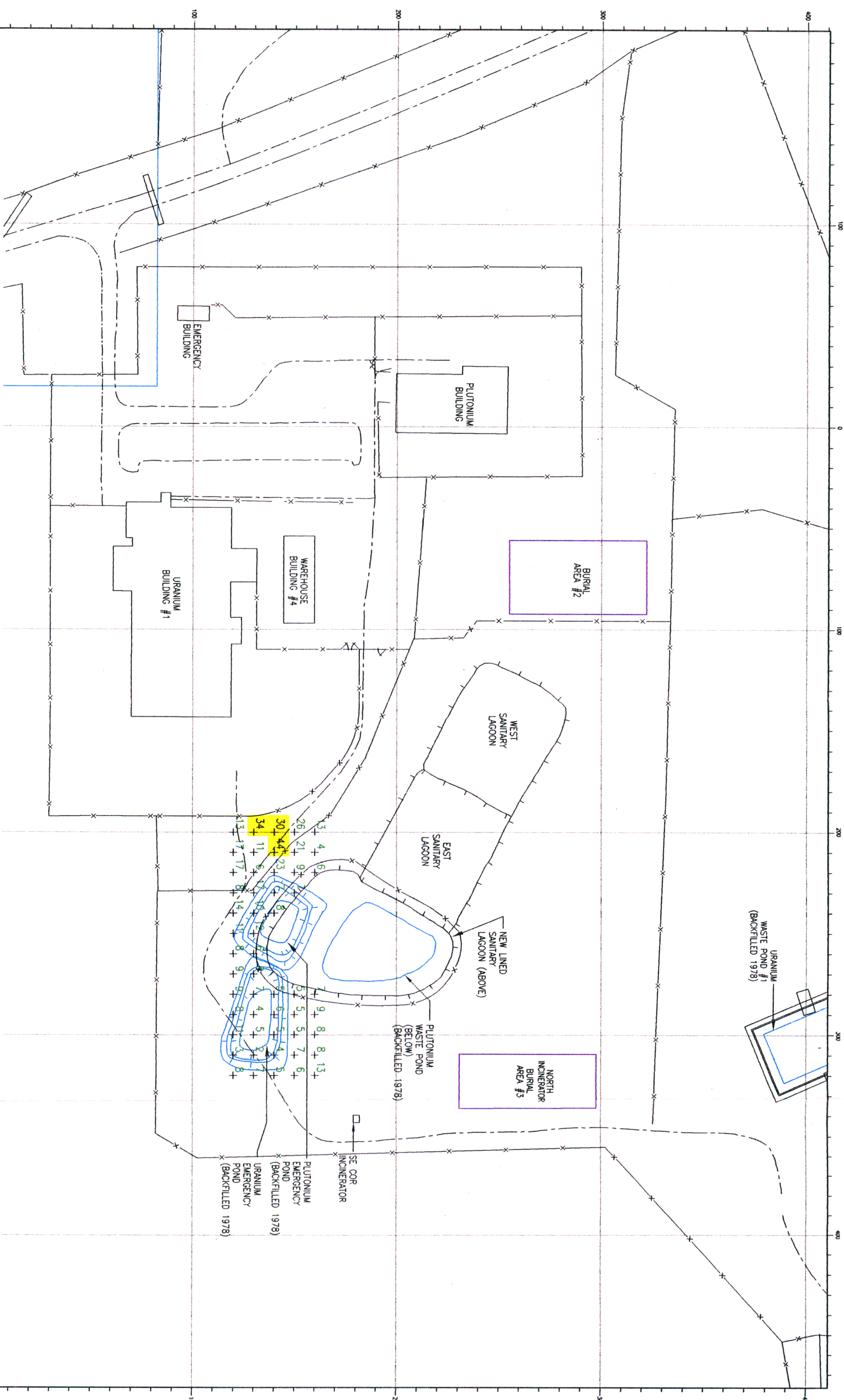
- < 3500 CPM
- 3500 - 5000 CPM
- > 5000 CPM

SCALE: AS SHOWN









REVISIONS ARE IN PRO-CIRCLES PER GRAM URBAN (pCi/g U).

CIMARRON CANADA SPEC. SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.

SAMPLES TAKEN ON 10 METER X 10 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

**LEGEND**

1 - 29 pCi/g U

30 - 89 pCi/g U

> 90 pCi/g U

**CIMARRON CORPORATION**

EMERGENCY PLUTONIUM & URANIUM PONDS

PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALLOQUOT: 6"-1" DEEP

CLIENT DRAWING NO.

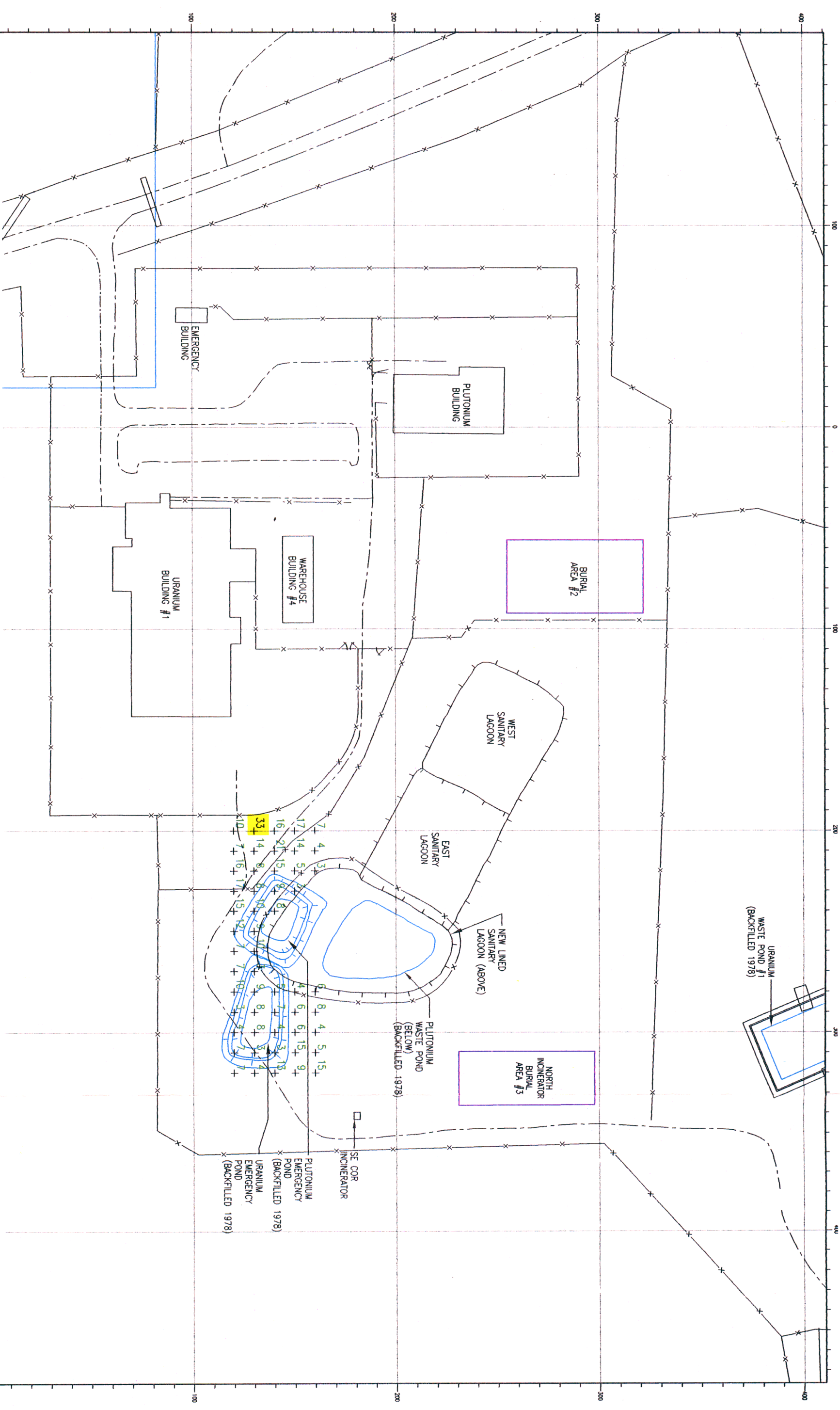
JOB NO.

DRAWING NO.

90PRPUS-1

REV. 0





REMARKS ARE IN PICO-CURIES PER GRAM (pCi/g U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 5 pCi/g U, NOT SUBTRACTED.

SAMPLES TAKEN ON 10 METER X 10 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

**LEGEND**

1 - 20 pCi/g U

30 - 80 pCi/g U

> 90 pCi/g U

**CIMARRON CORPORATION**

EMERGENCY PLUTONIUM & URANIUM PONDS

PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALLOUOT: 1'-2' DEEP

CUSTOMER NO. 90RPUSS-2

DRAWING NO. 0

REV. 0

DATE: 5/29/94

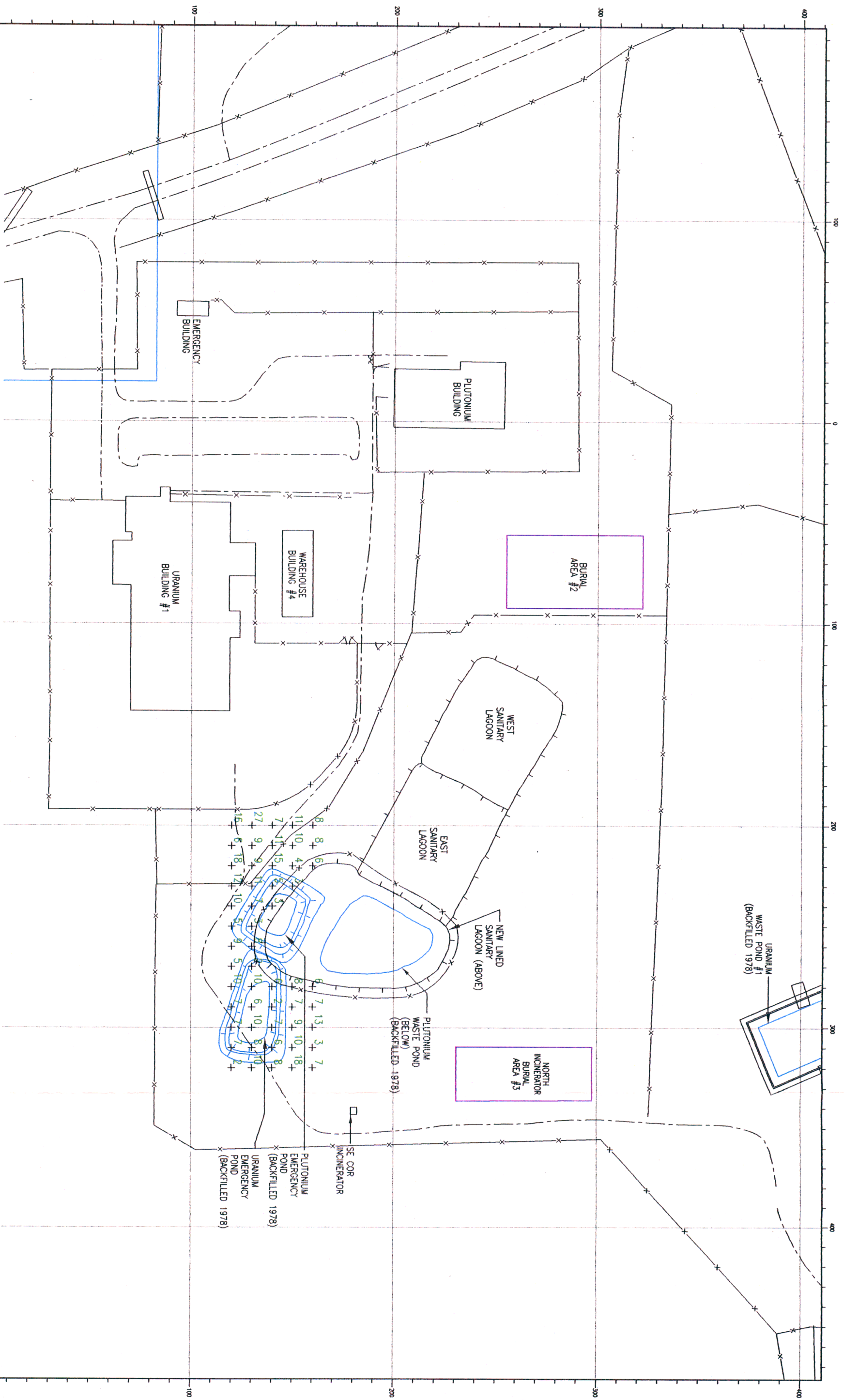
DATE: 10/1/94

SCALE: AS SHOWN

SCALE IN METERS

0 20





**CIMARRON CORPORATION**

**EMERGENCY PLUTONIUM & URANIUM PONDS  
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)  
SOIL SAMPLE ALIQUOT: 2"-3" DEEP**

REMARKS ARE IN PRO-COUNTS PER GRAM URANIUM (pCi/g U).  
CIMARRON GAMMA SPEC SOIL COUNTER.  
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.

SAMPLES TAKEN ON 10 METER X 10 METER GRID.  
SAMPLES TAKEN BEFORE REMEDIATION.

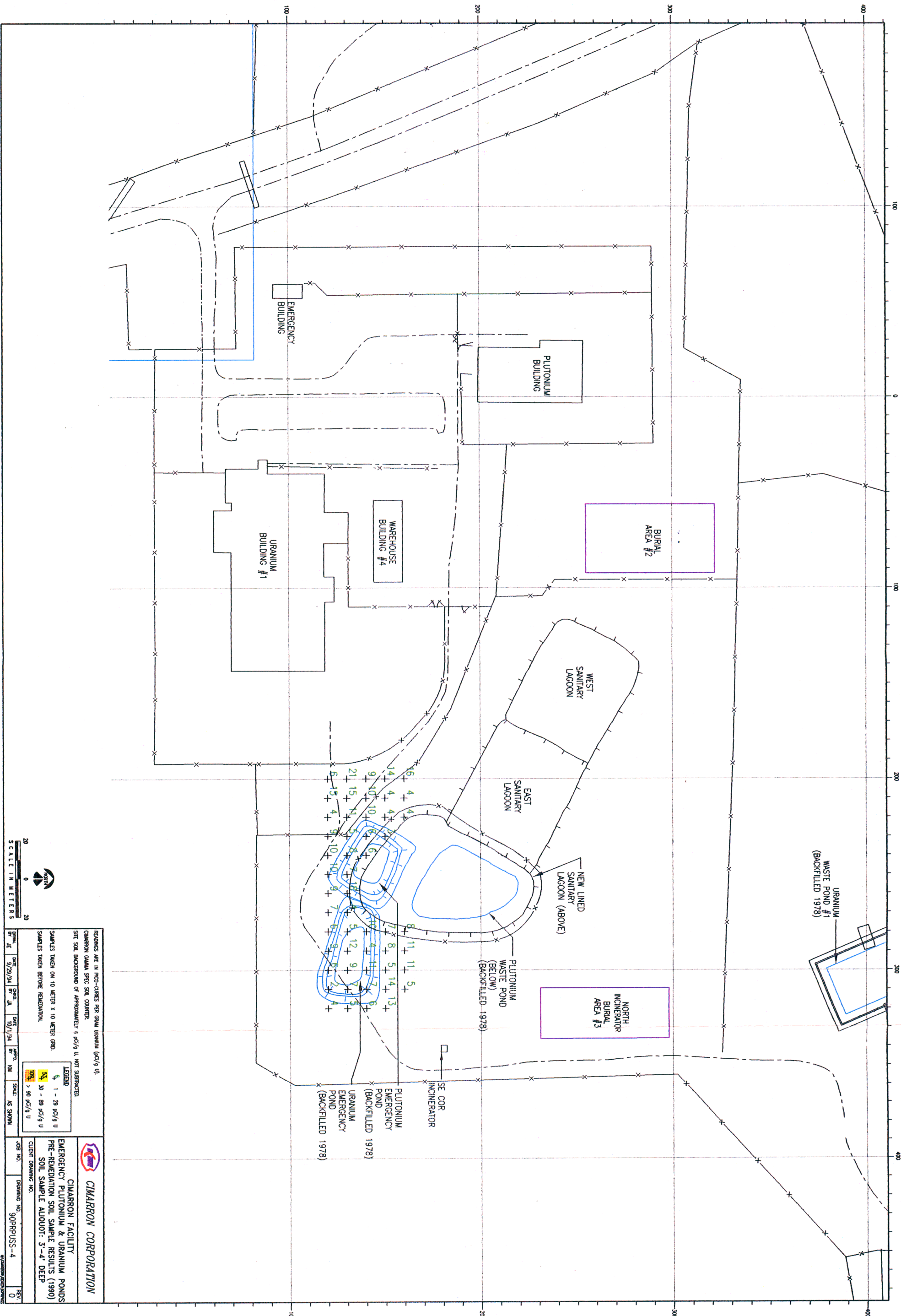
**LEGEND**

1 - 29 pCi/g U  
30 - 89 pCi/g U  
> 90 pCi/g U

DATE: 8/29/94 BY: JA DATE: 10/1/94 BY: KIM SCALE: AS SHOWN

JOB NO. DRAWING NO. 90PRUSS-3 REV. 0





REVISIONS ARE IN PENCIL-LINES PER GRAM UREANUM (g/g U).

CAMARON CANADA SPEC. SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 PC/G U, NOT SUBTRACTED.

LEGEND

1 - 29 PC/G U

30 - 89 PC/G U

90 PC/G U

SAMPLES TAKEN ON 10 METER X 10 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

CAMARON CORPORATION

EMERGENCY PLUTONIUM & URANIUM PONDS

PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALLOUOT: 3'-4' DEEP

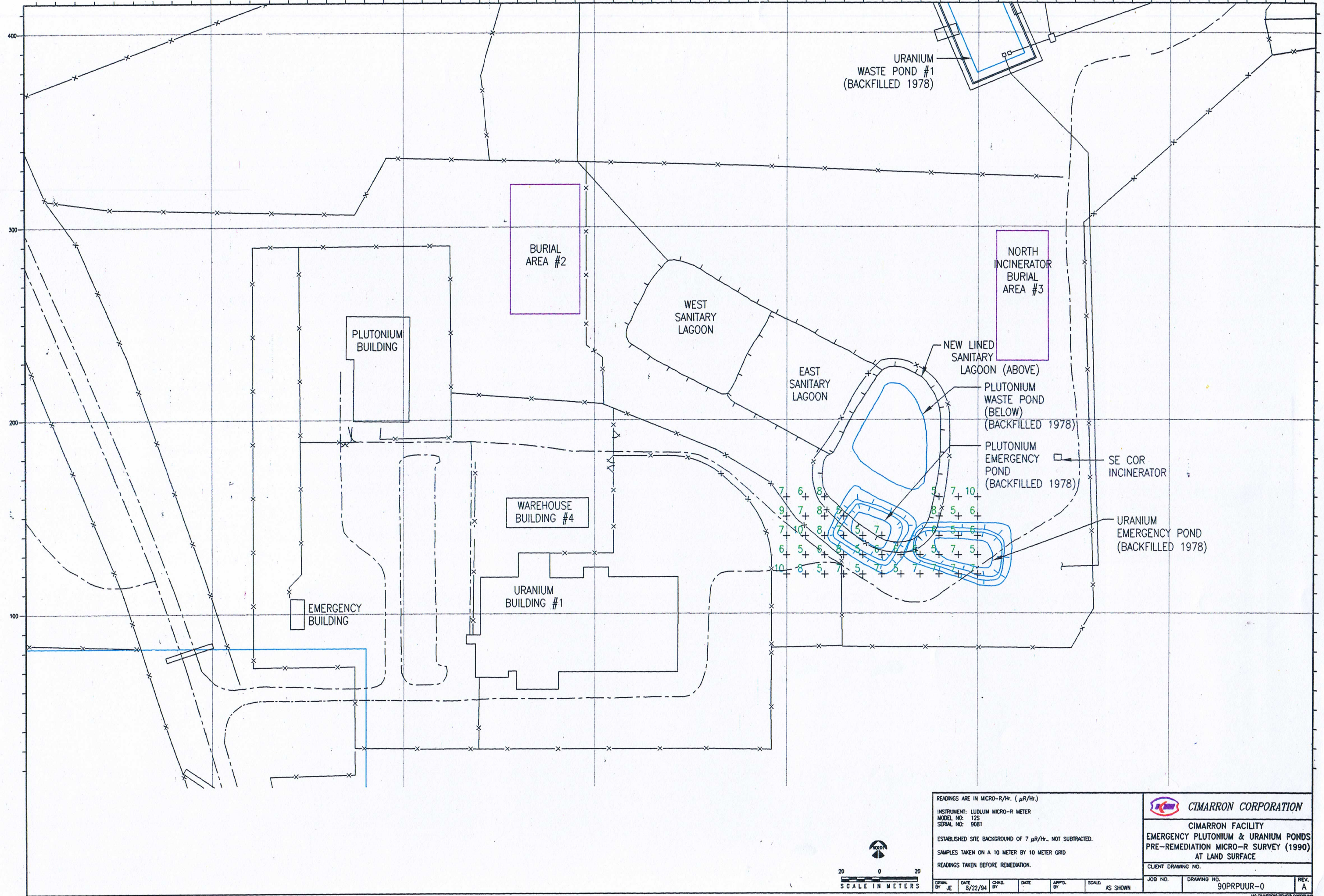
CLIENT DRAWING NO.

DRAWING NO. 90PRRIS-4

REV. 0

© CAMARON CORPORATION





READINGS ARE IN MICRO-R/HR. ( $\mu\text{R/hr}$ )

INSTRUMENT: LUDLUM MICRO-R METER  
MODEL NO: 125  
SERIAL NO: 9081

ESTABLISHED SITE BACKGROUND OF 7  $\mu\text{R/hr}$ . NOT SUBTRACTED.

SAMPLES TAKEN ON A 10 METER BY 10 METER GRID

READINGS TAKEN BEFORE REMEDIATION.

**CIMARRON CORPORATION**

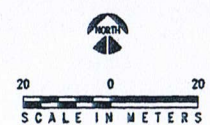
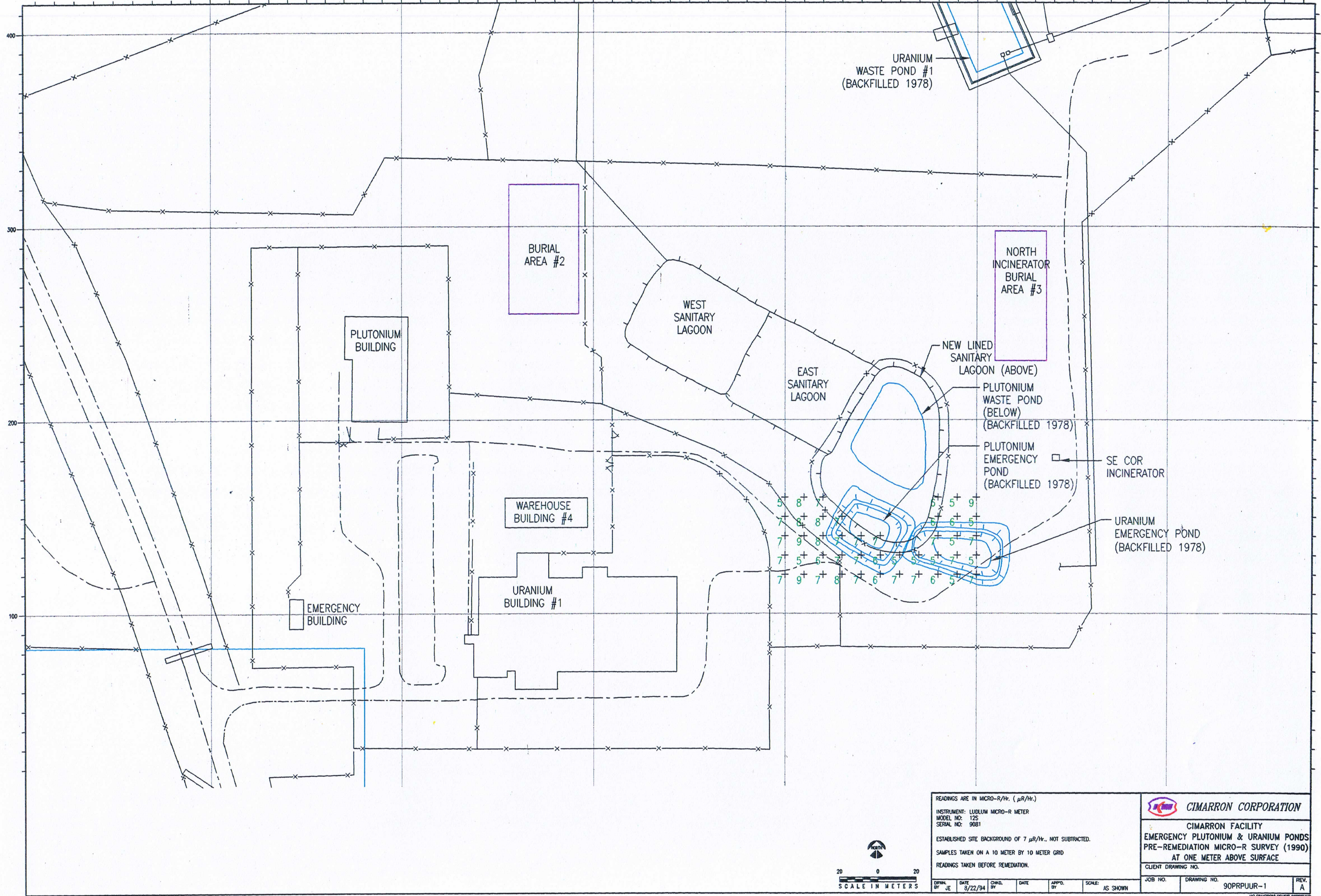
CIMARRON FACILITY  
EMERGENCY PLUTONIUM & URANIUM PONDS  
PRE-REMEDIATION MICRO-R SURVEY (1990)  
AT LAND SURFACE

CLIENT DRAWING NO.

DRAWN BY: JE	DATE: 8/22/94	CHKD BY:	DATE:	APPRD BY:	SCALE: AS SHOWN
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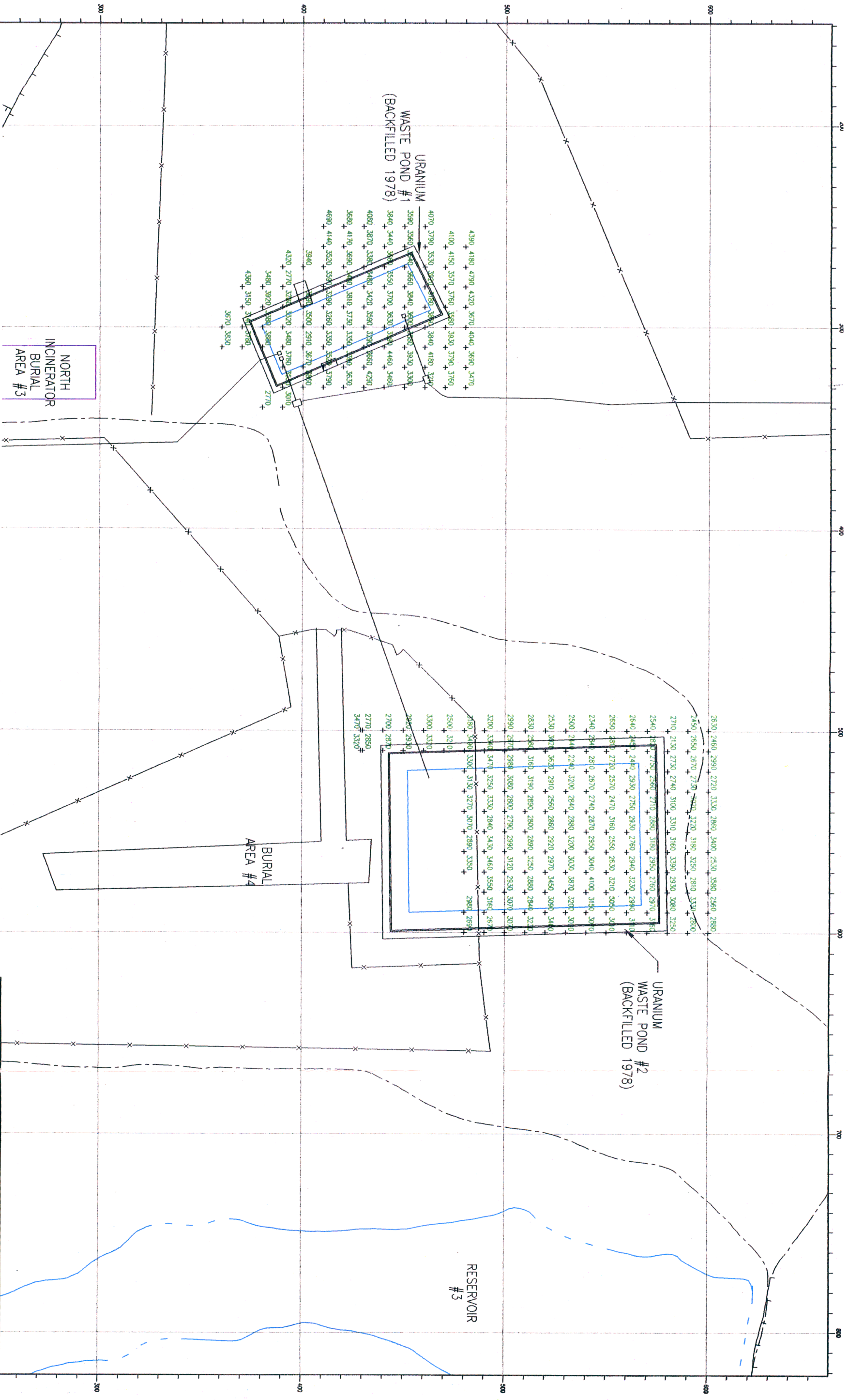
JOB NO.	DRAWING NO. 90PRPUUR-0	REV. A
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READINGS ARE IN MICRO-R/Hr. (μR/Hr.)						CIMARRON CORPORATION		
INSTRUMENT: LUDLUM MICRO-R METER						CIMARRON FACILITY		
MODEL NO: 125						EMERGENCY PLUTONIUM & URANIUM PONDS		
SERIAL NO: 9081						PRE-REMEDIATION MICRO-R SURVEY (1990)		
ESTABLISHED SITE BACKGROUND OF 7 μR/Hr., NOT SUBTRACTED.						AT ONE METER ABOVE SURFACE		
SAMPLES TAKEN ON A 10 METER BY 10 METER GRID						CLIENT DRAWING NO.		
READINGS TAKEN BEFORE REMEDIATION.						JOB NO.		
DATE	BY	DATE	BY	DATE	BY	DRAWING NO.	90PRPUUR-1	REV. A
8/22/94	JE					SCALE:	AS SHOWN	



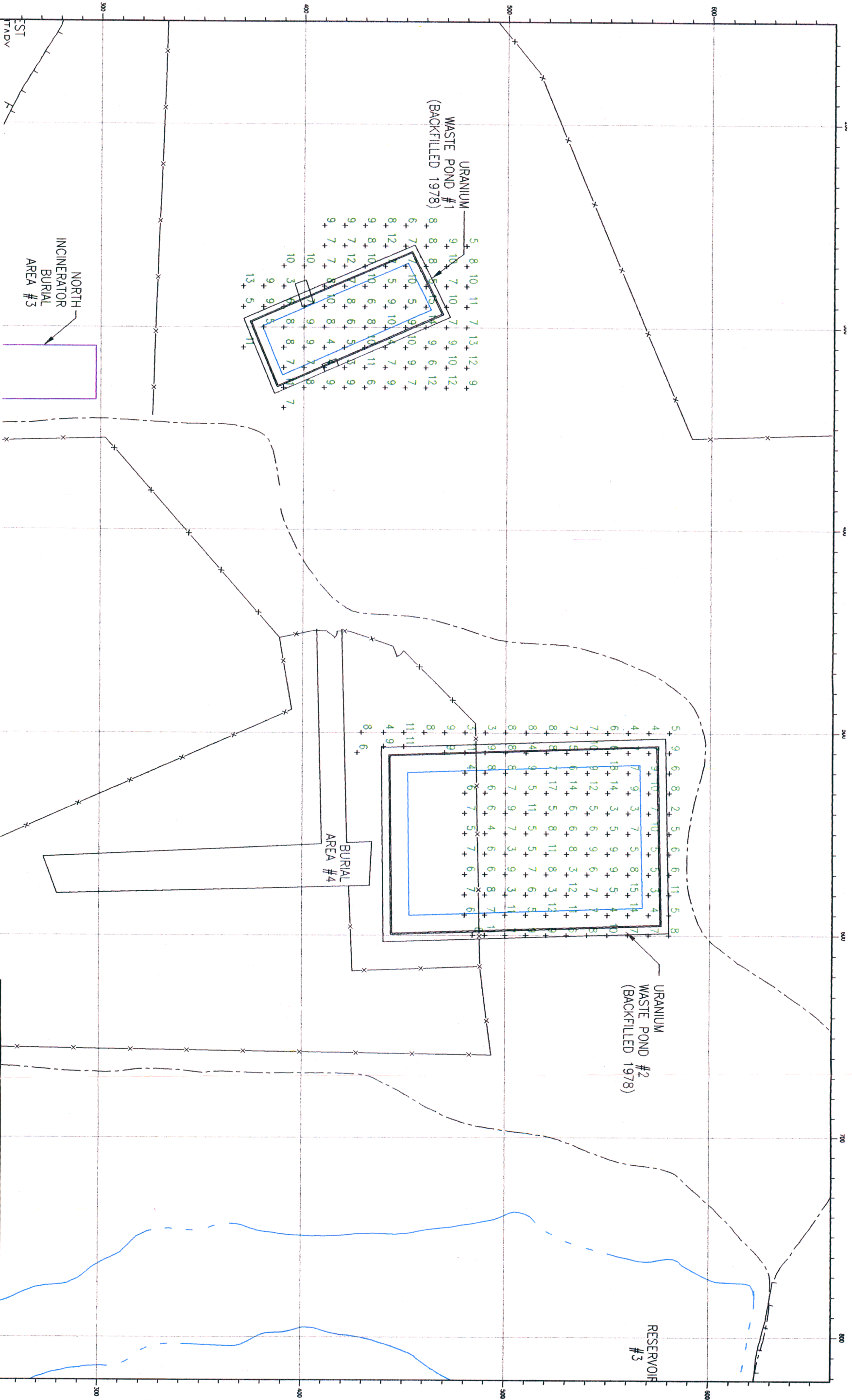


<b>WASTE POND NO. 1</b>		<b>WASTE POND NO. 2</b>	
INSTRUMENT: LUDOLM 2220 S/N 48395		INSTRUMENT: LUDOLM 2220 S/N 36529	
LEAD SHIELDED 5' X 1 1/2'		LEAD SHIELDED 5' X 1 1/2'	
NaI DETECTOR		NaI DETECTOR	
BACKGROUND: 3280 CPM		BACKGROUND: 2930 CPM	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		READINGS TAKEN ON A 10 METER X 10 METER GRID.	
WASTE POND NO. 1 CLOSED AND COVERED IN 1978.		WASTE POND NO. 2 CLOSED AND COVERED IN 1978.	
DATE: 9/28/94	SCALE: AS SHOWN	DATE: 10/1/94	SCALE: AS SHOWN
JOB NO.		CLIENT DRAWING NO.	
DRAWING NO.		93WMP2D-0	
REV.		0	

**CIMARRON CORPORATION**

**WASTE PONDS #1 AND #2**  
**INVESTIGATIVE GAMMA SURVEY (1993)**  
**READINGS IN CPM (5' DET.)**





REVISIONS ARE IN PENCIL—CHANGES PER GRADE URANIUM (pCi/g U).

CHARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.

NOT SUBTRACTED.

SAMPLES TAKEN ON A 10 METER X 10 METER GRID.

WASTE PONDS BACKFILLED IN 1978.

**LEGEND**

1-29 pCi/g

30-99 pCi/g

> 99 pCi/g

HT ROCK OR METAL - NO SAMPLE

**CIMARRON CORPORATION**

WASTE PONDS #1 AND #2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

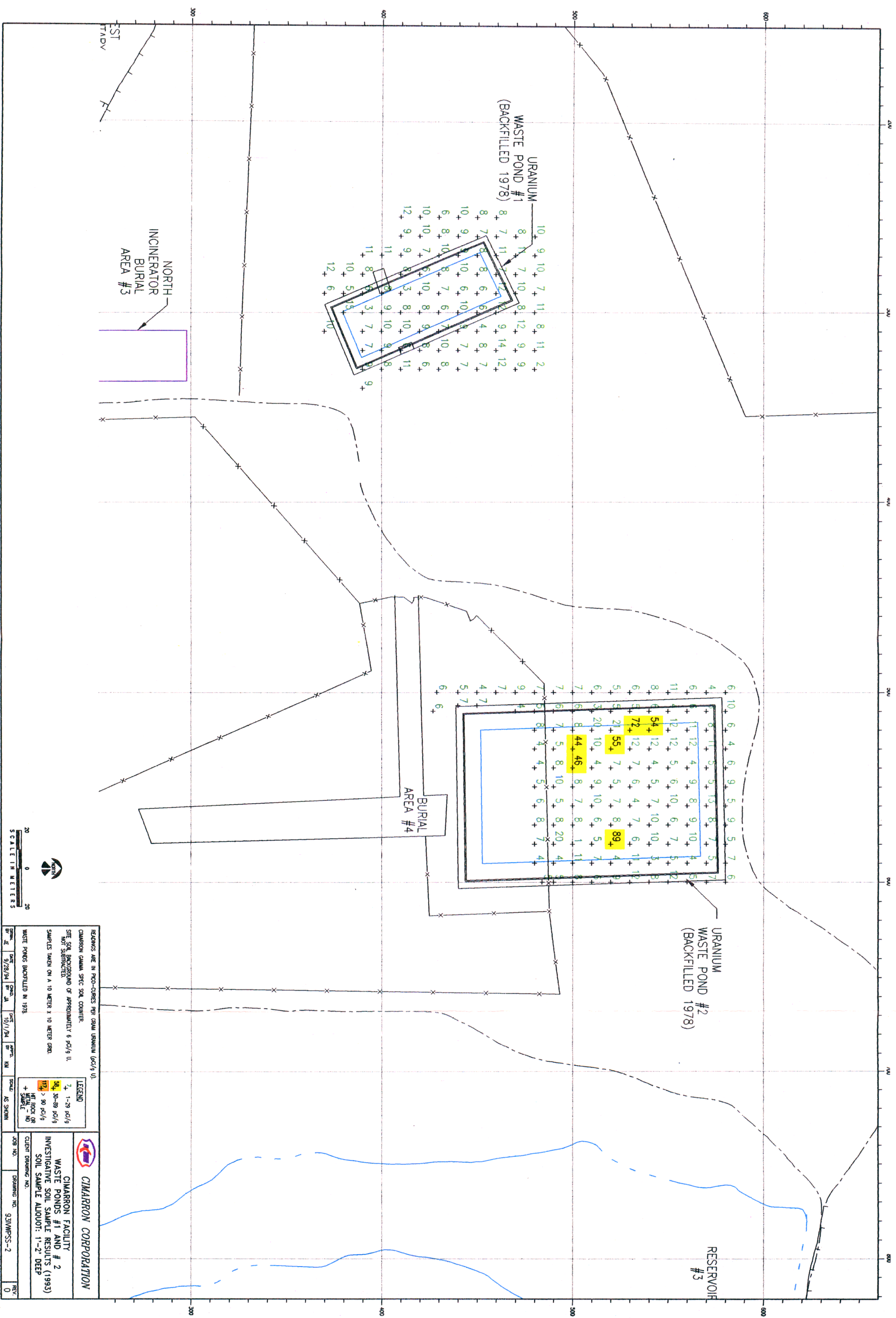
SOIL SAMPLE ALLOQUOT: 0-1" DEEP

CLIENT DRAWING NO.

DRAWING NO. 93IMPSS-1

REV. 0



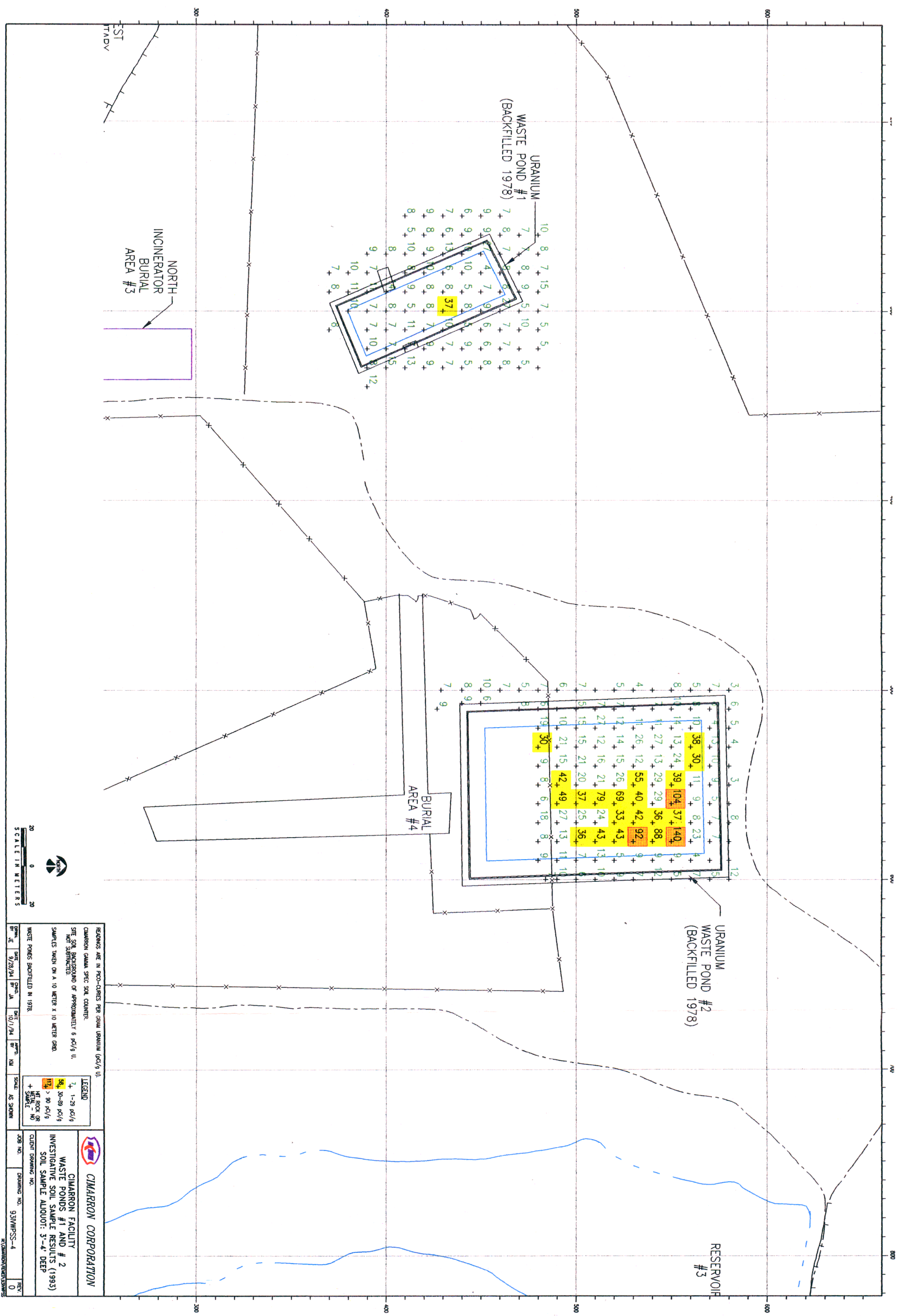


\\CHASSON\BENED\95V\B5

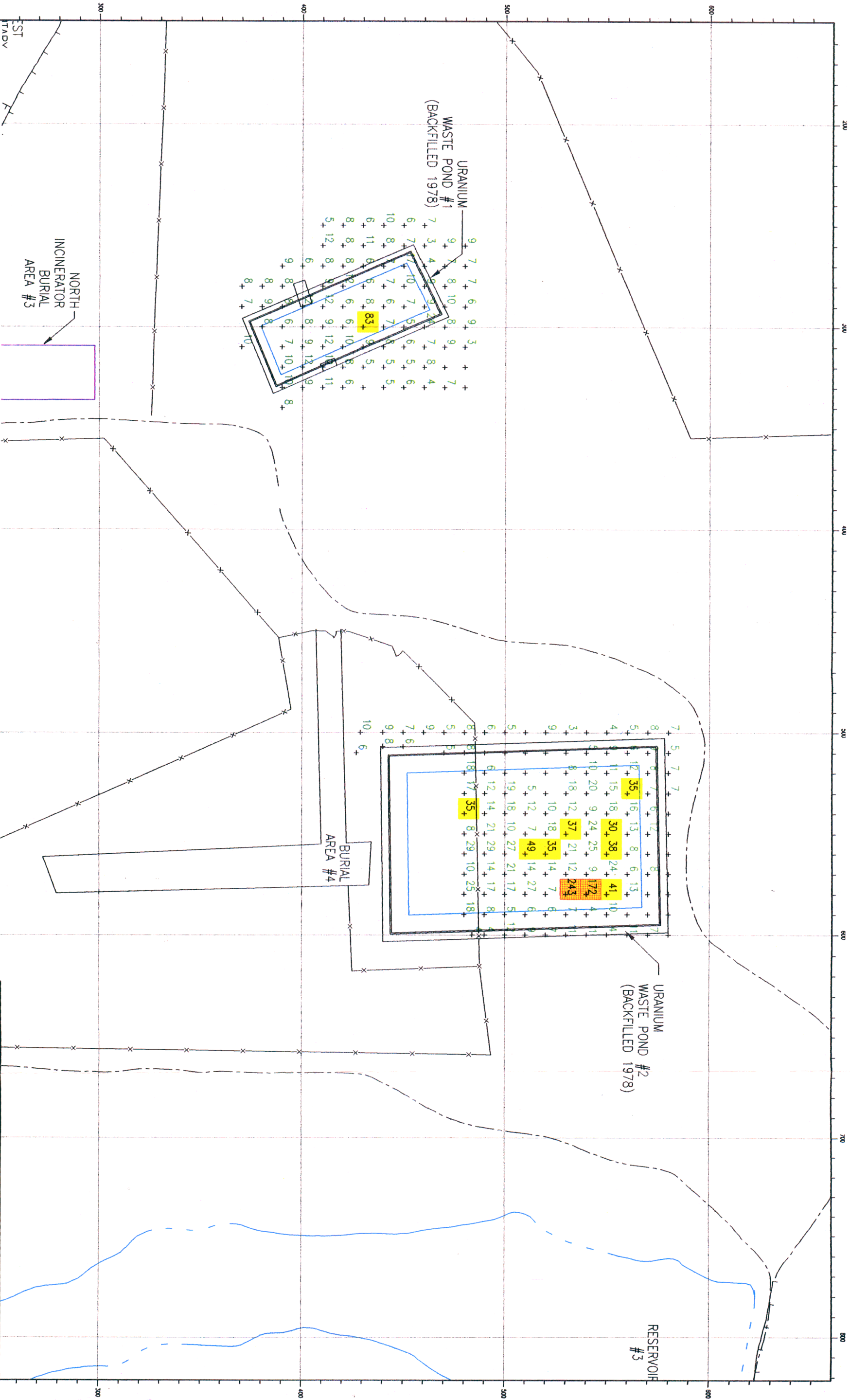












LEGEND

7+	1-29 pCi/g
50+	30-99 pCi/g
100+	> 90 pCi/g
MT ROCK OR	
WASTE - NO	
+ SAMPLE	

REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.

SAMPLES TAKEN ON A 10 METER X 10 METER GRID.

WASTE PONDS BACKFILLED IN 1978.

CIMARRON CORPORATION

WASTE PONDS #1 AND #2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOUT: 4'-5" DEEP

DATE	8/28/94	DATE	10/1/94	DATE	10/1/94	DATE	10/1/94	DATE	10/1/94
BY	JE	BY	JA	BY	JA	BY	JA	BY	JA

SCALE: AS SHOWN

CIMARRON CORPORATION

33IMPSS-5

REV: 0





READINGS ARE IN PICO-CURIES PER GRAM URANIUM (PC/G U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 PC/G U.

NOT SUBTRACTED.

SAMPLES TAKEN ON A 10 METER X 10 METER GRID.

WASTE PONDS BACKFILLED IN 1978.

**LEGEND**

7+ 1-29 PC/G

8+ 30-89 PC/G

9+ 90-99 PC/G

10+ > 90 PC/G

HT ROCK OR

HT LIME - NO

+ SAMPLE

**CIMARRON CORPORATION**

WASTE PONDS #1 AND #2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

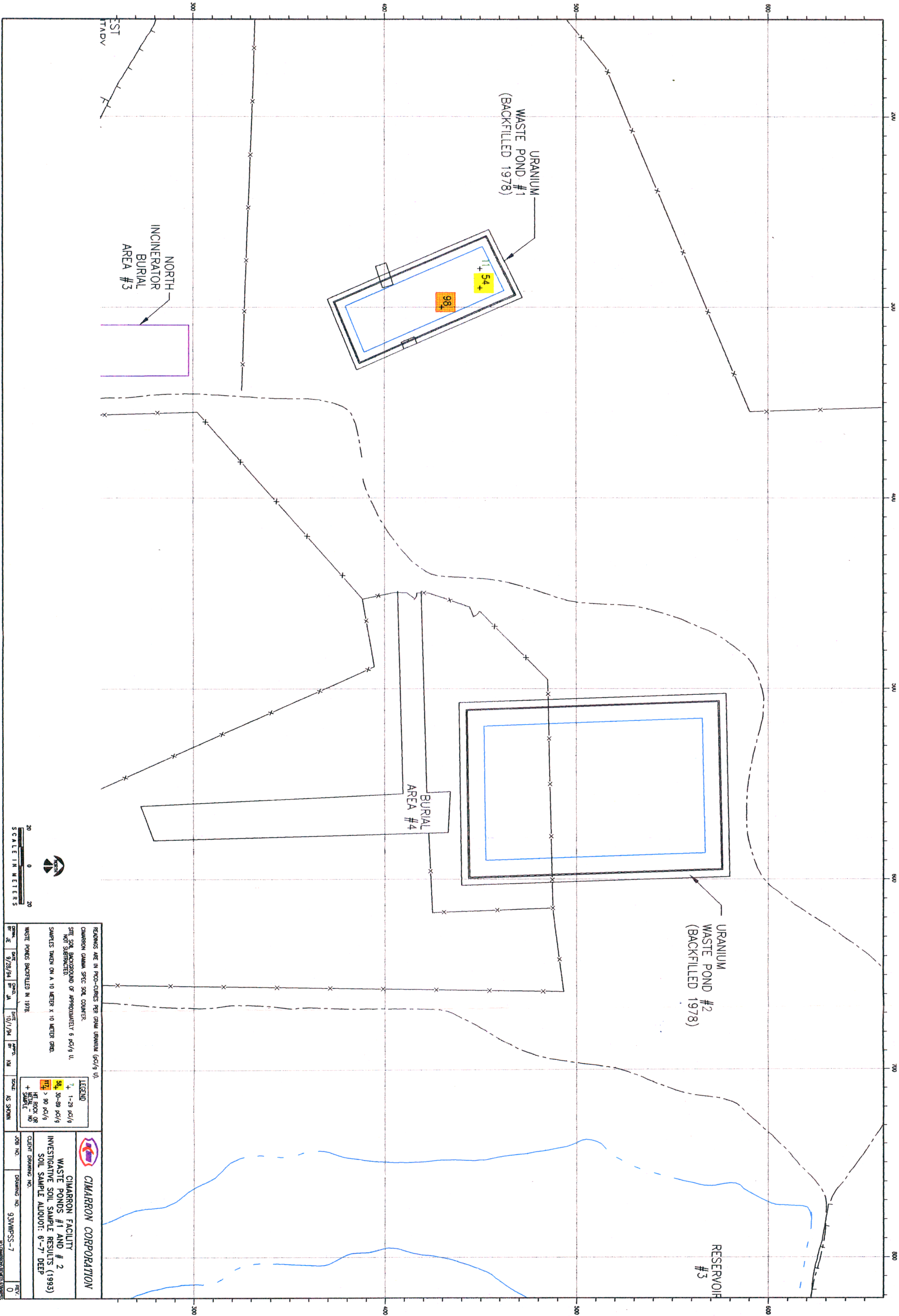
SOIL SAMPLE ALLOUT: 5'-6" DEEP

CLIENT DRAWING NO.

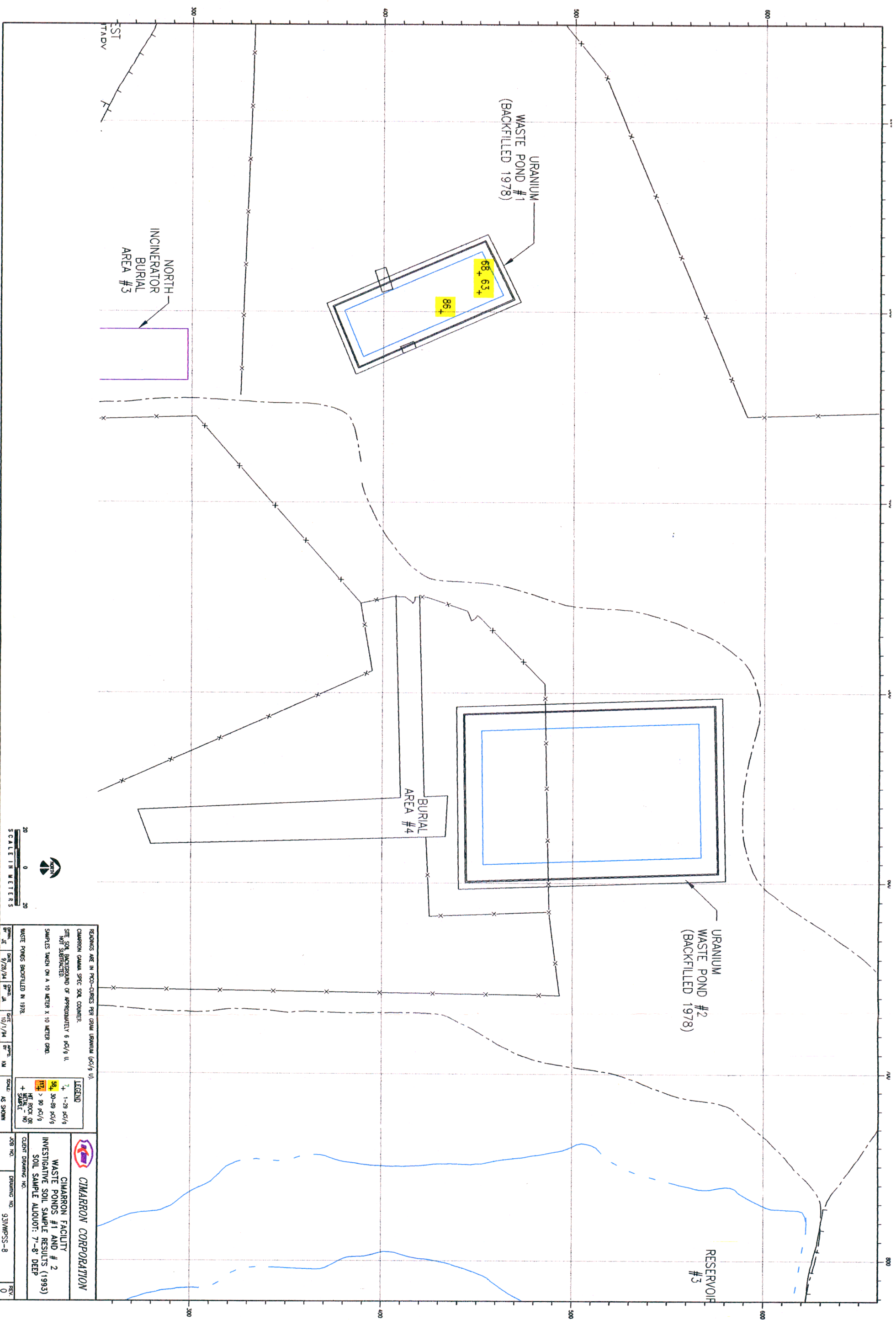
DRAWING NO. 93WPPS-6

REV. 0

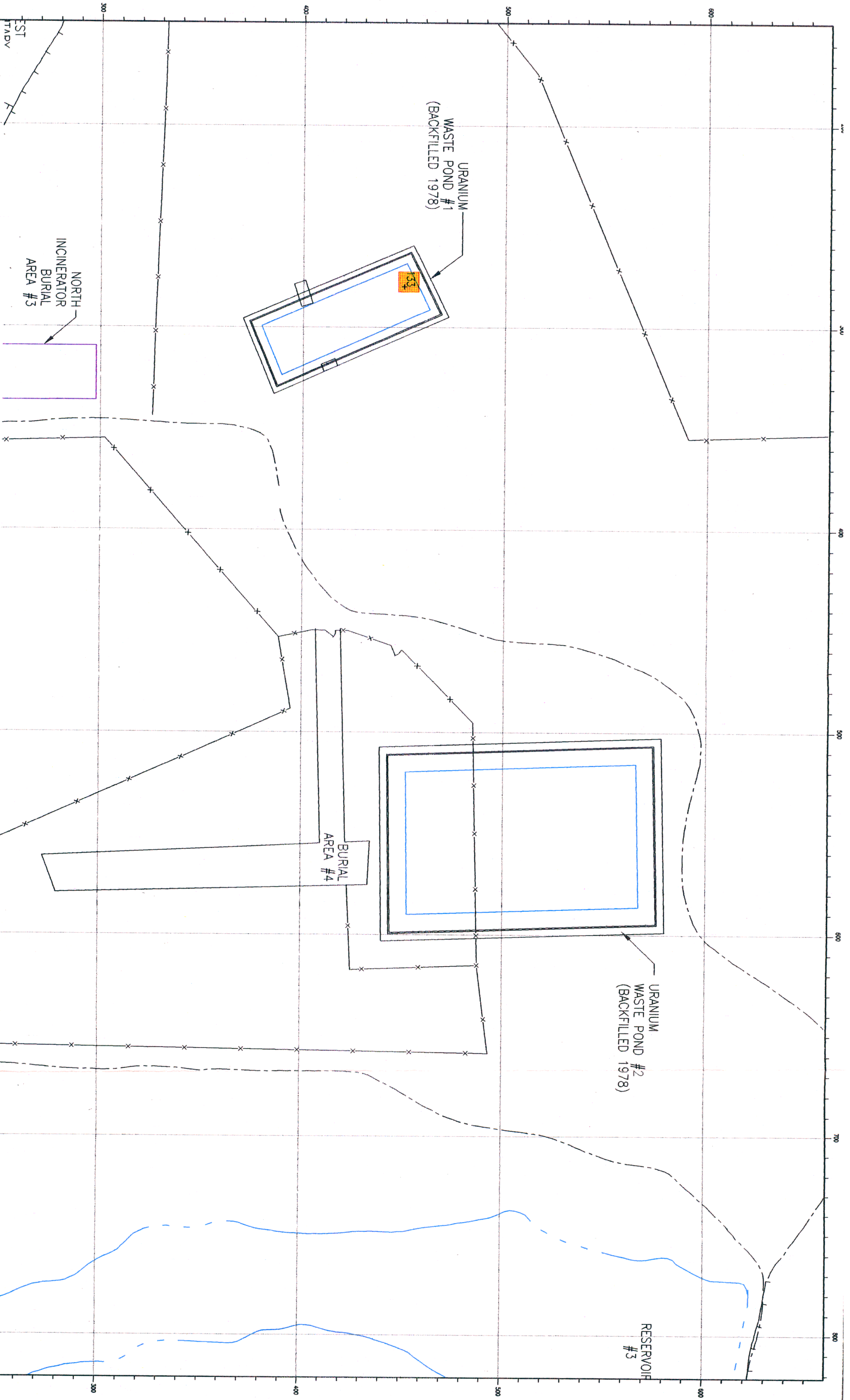












REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.

NOT SUBTRACTED.

SAMPLES TAKEN ON A 10 METER X 10 METER GRID.

WASTE PONDS BACKFILLED IN 1978.

**LEGEND**

7+ 1-29 pCi/g

54+ 30-99 pCi/g

112+ > 90 pCi/g

HT ROCK OR

+ HTLN - NO

SAMPLE

SCALE AS SHOWN

**CIMARRON CORPORATION**

WASTE PONDS #1 AND #2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALIQUOT: 8"-9" DEEP

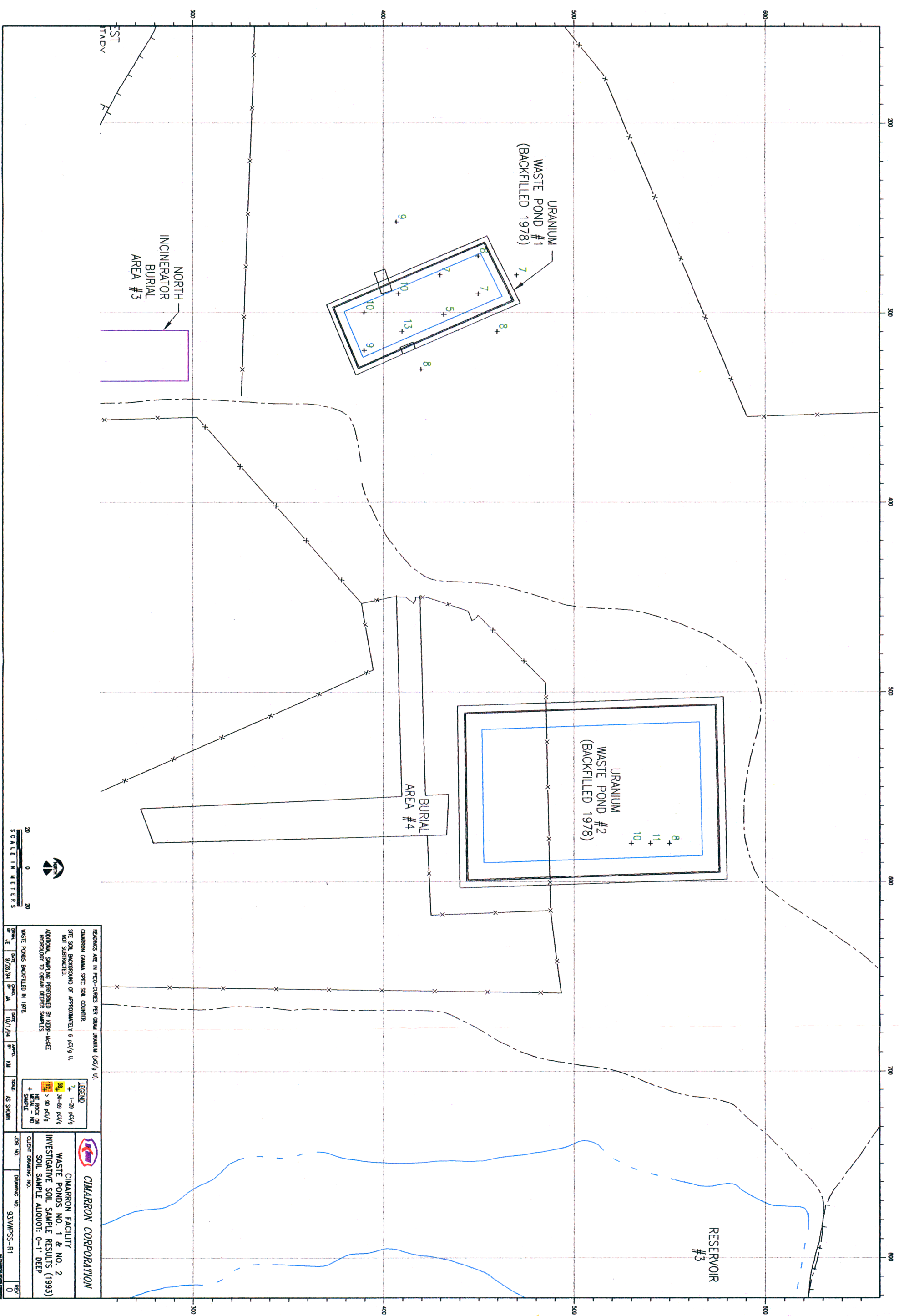
CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 93WMPSS-9

REV. 0





CIMARRON CORPORATION

**CIMARRON FACILITY**

WASTE PONDS NO. 1 & NO. 2  
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.
	93IMPSS-R

READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).  
CAMERON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 PC/G U,  
NOT SUBTRACTED.

NOT SUBTRACTED.

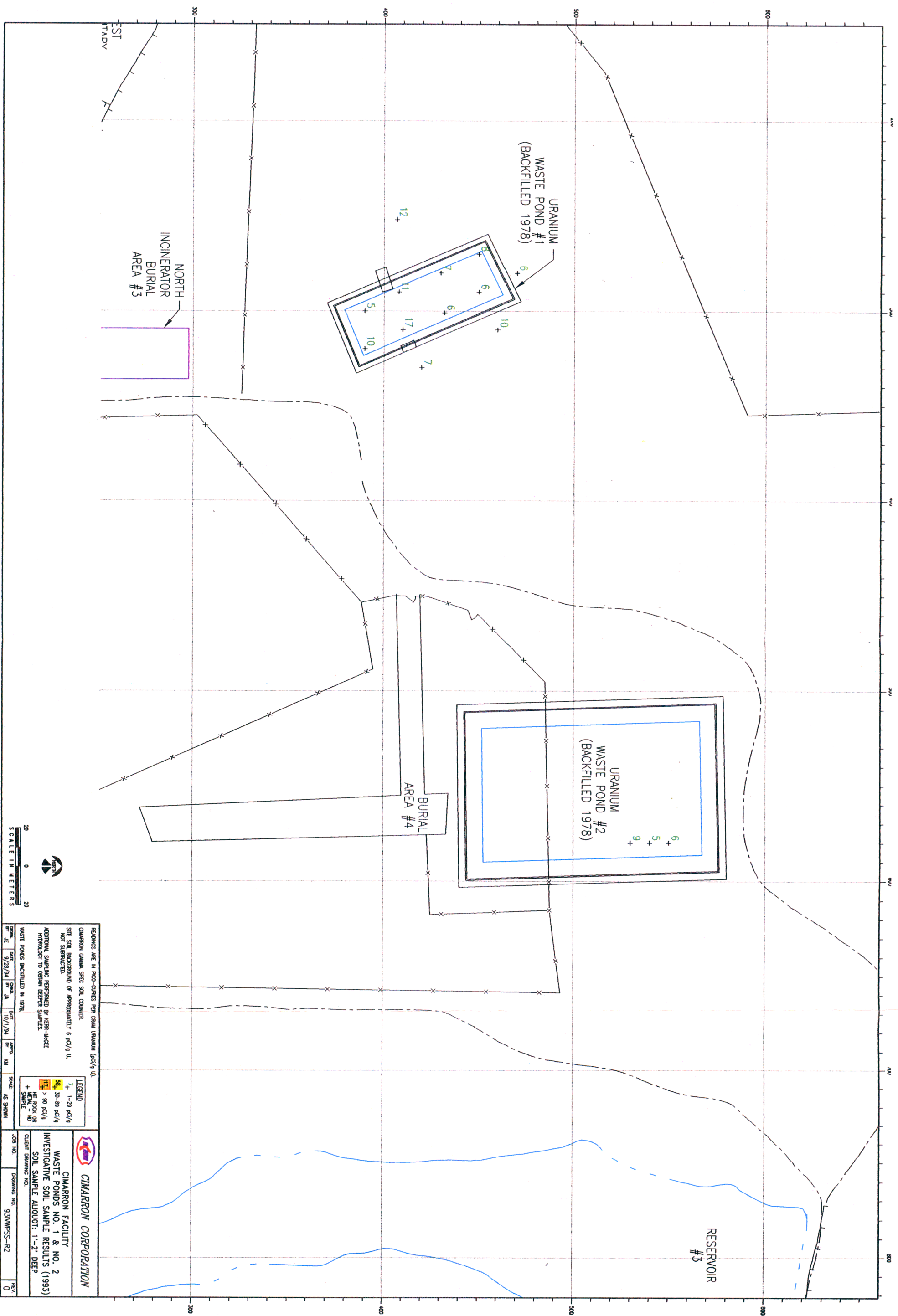
ADDITIONAL SAMPLING PERFORMED BY KERR-MCGEE  
HYDROLOGY TO OBTAIN DEEPER SAMPLES

WASTE POINTS BAGGELL ED IN 1978

DRINK BY JE	DATE 9/28/94	CHEK. BY JA	DATE 10/1/94	APPRO. BY KM	SCALE: AS SHOWN
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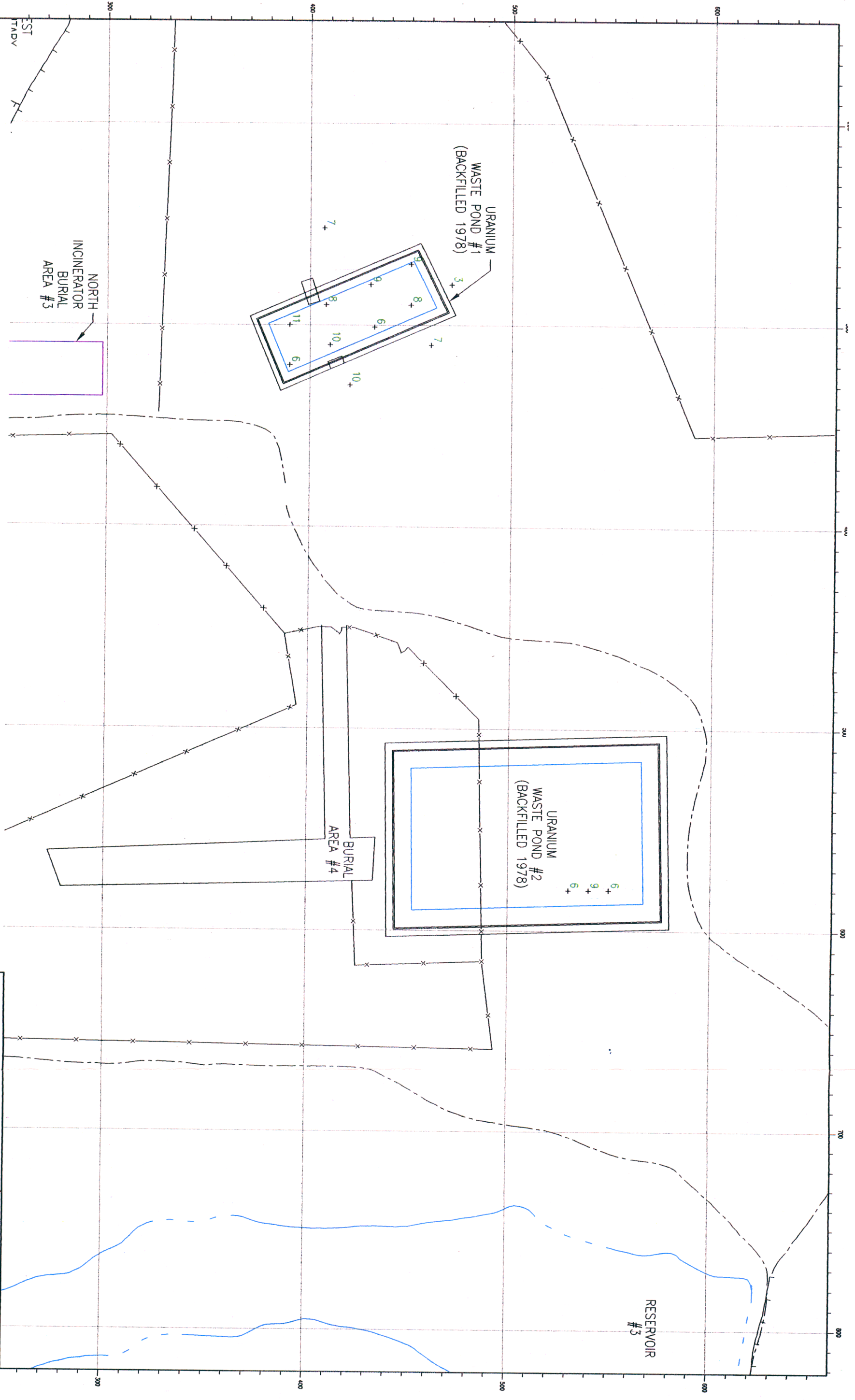
11/01/2014 10:00 AM





Student/Teacher/Visitor/In





RECORDS ARE IN PRO-COUNTS PER GRAM URANIUM (pg/g U).

CIMARRON CANADA SPEC SOIL COUNTS.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pg/g U.

NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-MACKEE HYDROLOGY TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

LEGEND

- 7+ 1-29 pg/g
- 8+ 30-89 pg/g
- 11+ > 90 pg/g
- HT ROCK OR METAL - NO SAMPLE

CIMARRON CORPORATION

WASTE PONDS NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

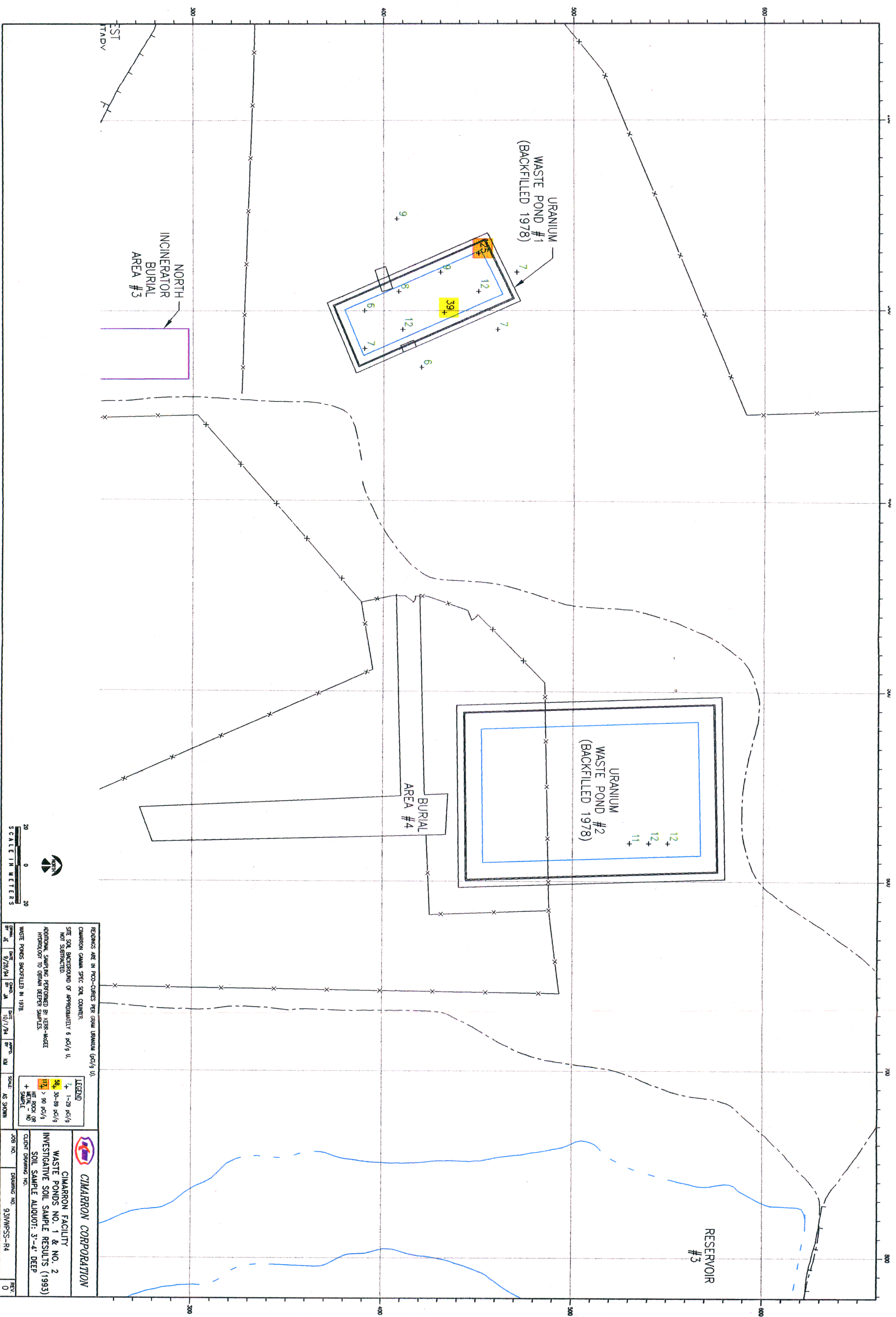
SOIL SAMPLE ALLOUOT: 2-3" DEEP

CLIENT DRAWING NO. 93WPPS-R3

DRAWING NO. 93WPPS-R3

REV. 0





TEST  
STADY

NORTH  
INCINERATOR  
BURIAL  
AREA #3

BURIAL AREA #4

URANIUM  
WASTE POND #2  
(BACKFILLED 1978)

RESERVOIR  
#3

**CIMARRON CORPORATION**

**CIMARRON FACILITY**

WASTE PONDS NO. 1 & NO. 2  
INVESTIGATIVE SOIL SAMPLE RESULTS (199

SOIL SAMPLE ALIQUOT: 3'-4' DEEP

JOB NO.	DRAWING NO.	REV.
	93MPPS-R4	0

READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U)  
 CIARRON GAMMA SPEC. SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U,  
NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-MCGEE TECHNOLOGY TO OBTAIN DEEPER CURRENT

WASTE BONDS BACKLIT IN 1978

DATE	9/28/94	CHGO.	BY	JA	DATE	10/1/94	APPR.	BY	KN	SOLE:	AS SHOWN
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LEGEND

7 + 1-29 PCI

58+	30-89 pci/q
117+	> 90 pci/q

HIT ROCK C  
METAL - M  
+ SAMPLE

SCALE: AS SHOWN



**CIMARRON CORPORATION**

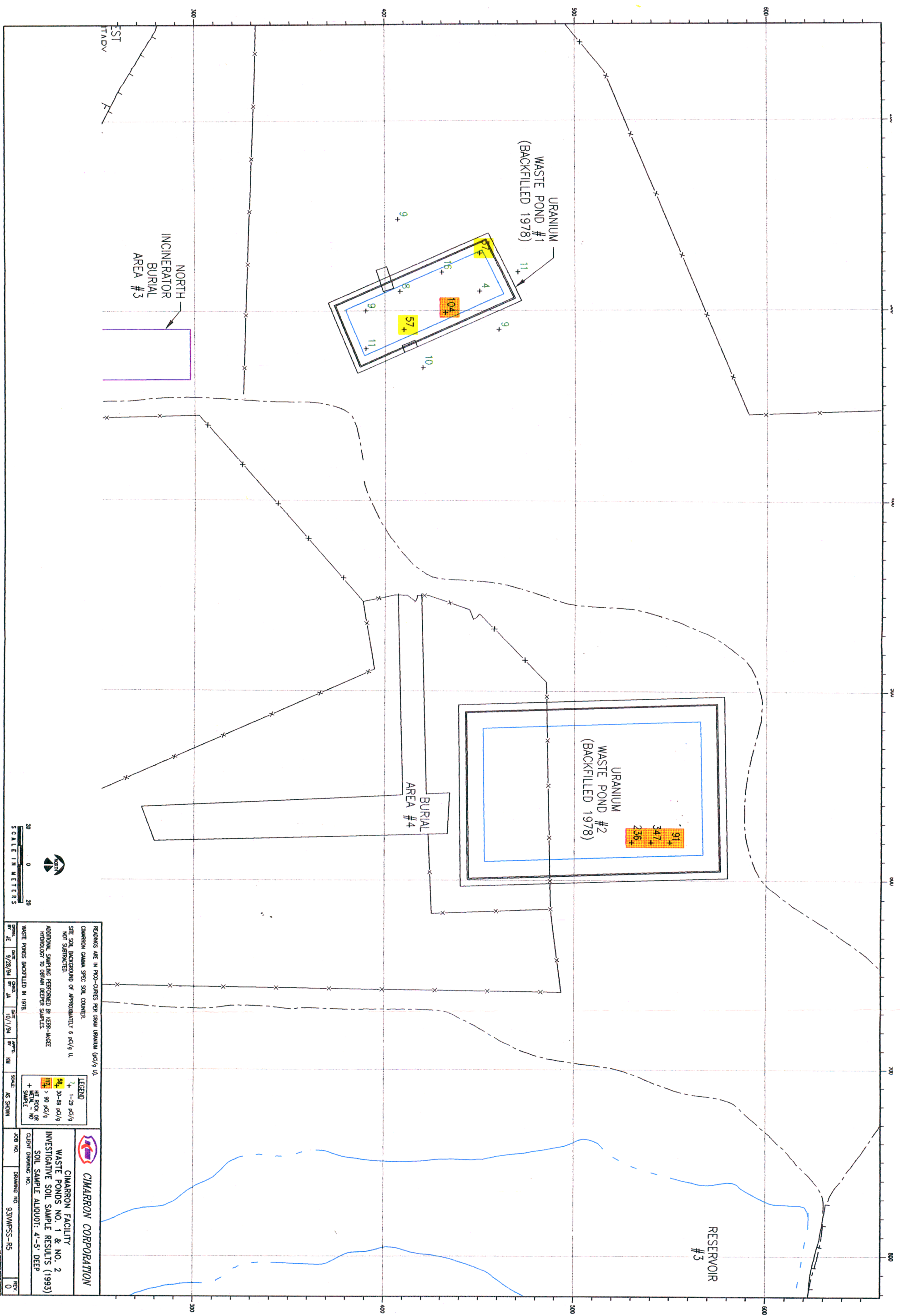
**CIMARRON FACILITY**

WASTE PONDS NO. 1 & NO. 2  
INVESTIGATIVE SOIL SAMPLE RESULTS (199

SOIL SAMPLE ALIQUOT: 3'-4' DEEP

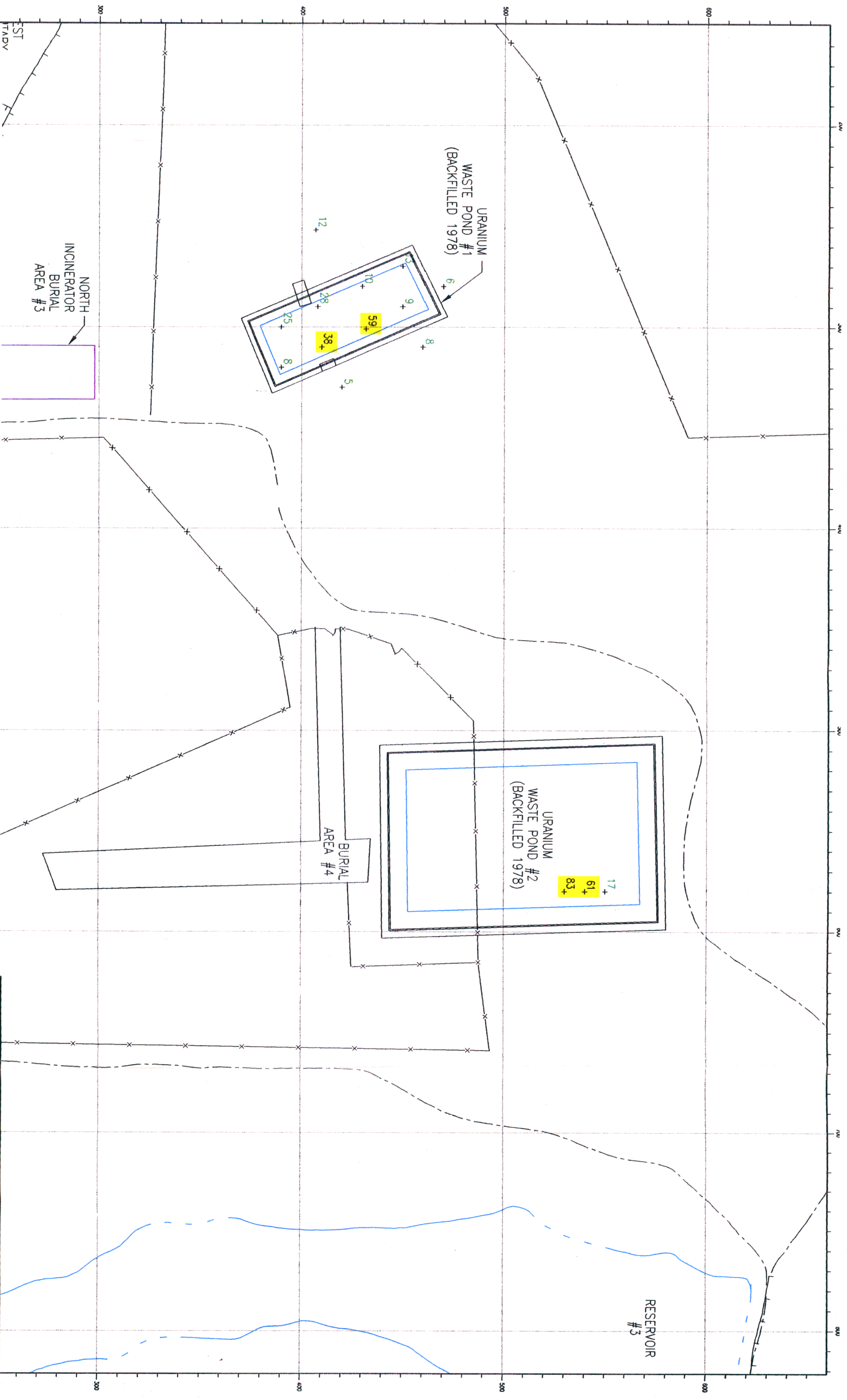
JOB NO.	DRAWING NO.	REV.
	93MPPS-R4	0





<p>REMARKS ARE IN POUNDS PER GROSS DRAINAGE (g/d/g) U/L</p> <p>CIMARRON GAMMA SPEC SOIL CONCENTR.</p> <p>SITE SOIL BACKGROUND OF APPROXIMATELY 6 pc/d/g U/L NOT SUBTRACTED.</p> <p>ADDITIONAL SAMPLING PERFORMED BY KERRS-WAGGE HYDROLOGIST TO OBTAIN DEEPER SAMPLES.</p> <p>WASTE PONDS BACKFILLED IN 1978.</p>									
PC/IN	DATE	CHNO	DATE	PC/IN	PC/IN	SCALE	<div style="border: 1px solid black; padding: 5px;"> <p>LEAD</p> <p>+ -1.23 pc/d/g</p> <p>94+ 30-38 pc/d/g</p> <p>112+ &gt; 80 pc/d/g</p> <p>HI ROCK OR SEEDL - NO + SAMPLE</p> </div>		
PC/IN	9/28/94	PC/IN	10/1/94	PC/IN	PC/IN	SCALE	<div style="border: 1px solid black; padding: 5px;"> <p>LEAD</p> <p>+ -1.23 pc/d/g</p> <p>94+ 30-38 pc/d/g</p> <p>112+ &gt; 80 pc/d/g</p> <p>HI ROCK OR SEEDL - NO + SAMPLE</p> </div>		
<p>CIMARRON CORPORATION</p> <p>CIMARRON FACILITY</p> <p>WASTE PONDS NO. 1 &amp; NO. 2</p> <p>INVESTIGATIVE SOIL SAMPLE RESULTS (1993)</p> <p>SOIL SAMPLE ALLOUT: 4'-5' DEEP</p> <p>CLIENT DRAWING NO.</p>									
JOB NO.	DRAWING NO.	REV.							
93WMPSS-R5	0								





REMARKS ARE IN PPO-COUNTS PER GRAM URANIUM (PC/G U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 PC/G U.

NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-WAGGE

HYDROLOGIST TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

**LEGEND**

7+ 1-29 PC/G

30-89 PC/G

172+ 90 PC/G

HIT ROCK OR

NO SAMPLE

**CIMARRON CORPORATION**

WASTE POND NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

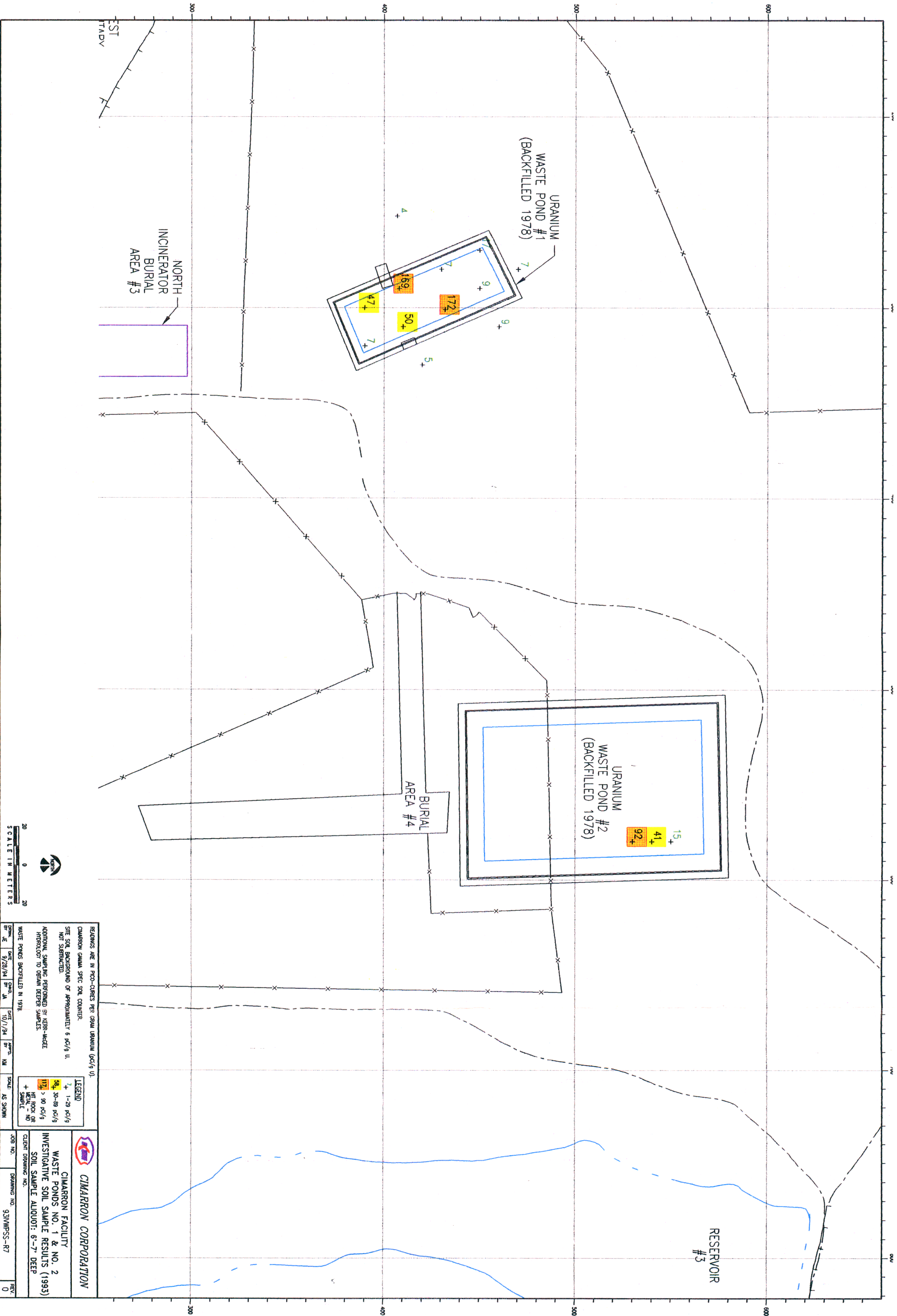
SOIL SAMPLE ALLOQUOT: 5'-6" DEEP

CLIENT DRAWING NO.

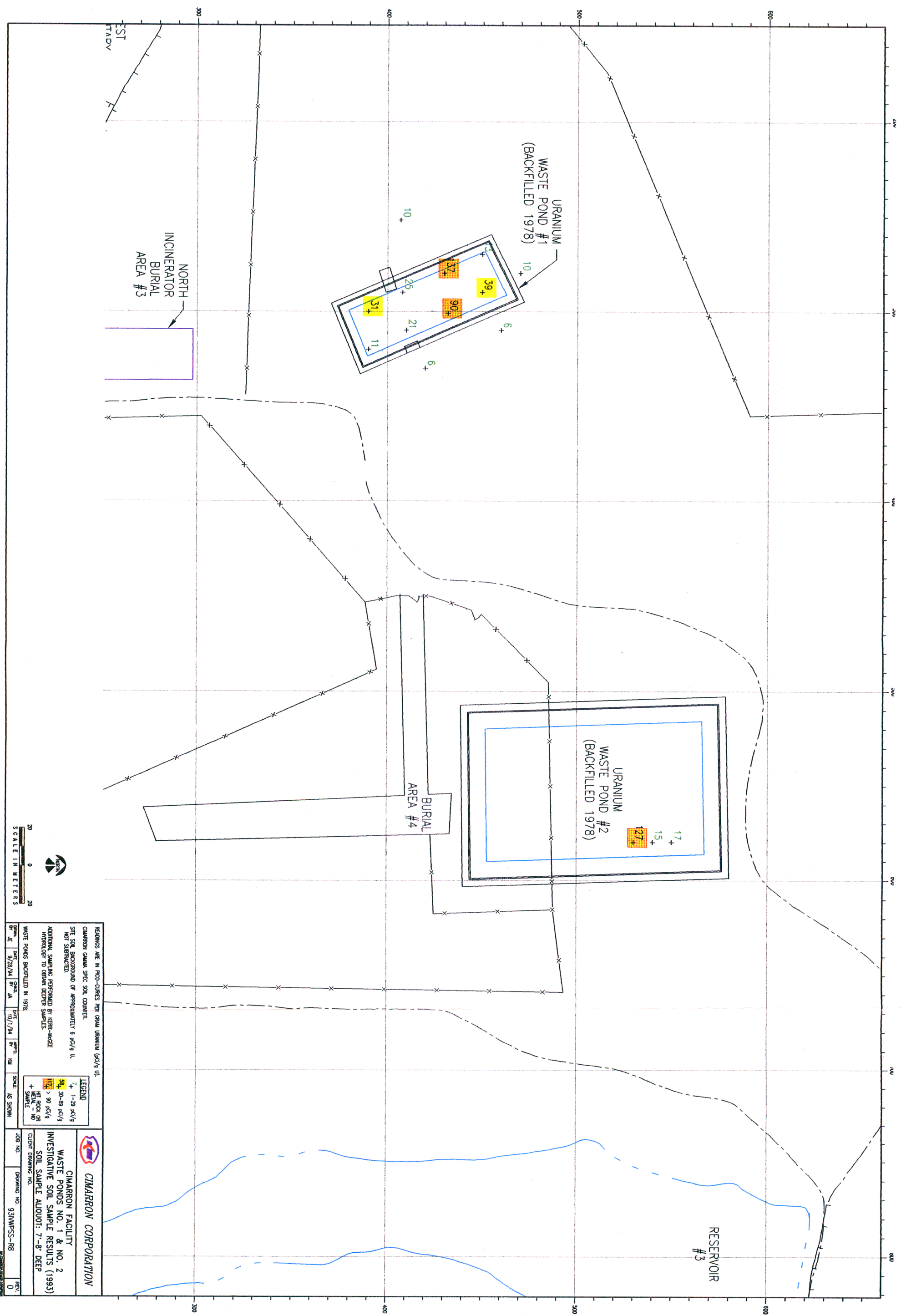
DRAWING NO. 93WPPSS-R6

DATE: 8/28/94 BY: JAL DATE: 10/1/94 BY: JAL SCALE: AS SHOWN JOB NO. 93WPPSS-R6









CIMARRON CORPORATION

**CIMARRON FACILITY**

WASTE PONDS NO. 1 & NO. 2  
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALIQUOT: 7'-8' DEEP

ENT DRAIING NO.

JOB NO.	DRAWING NO.
	93MPPS-R8

READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).  
CHARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.  
NOT SUBTRACTED.

NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-MCGEE  
HYDROLOGY TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978

DATE	9/28/94	DATE	10/1/94	SCALE:	AS SHOWN
DRAWN BY	JE	CHECKED BY	JA	APPROVED BY	KM

**LEGEND**

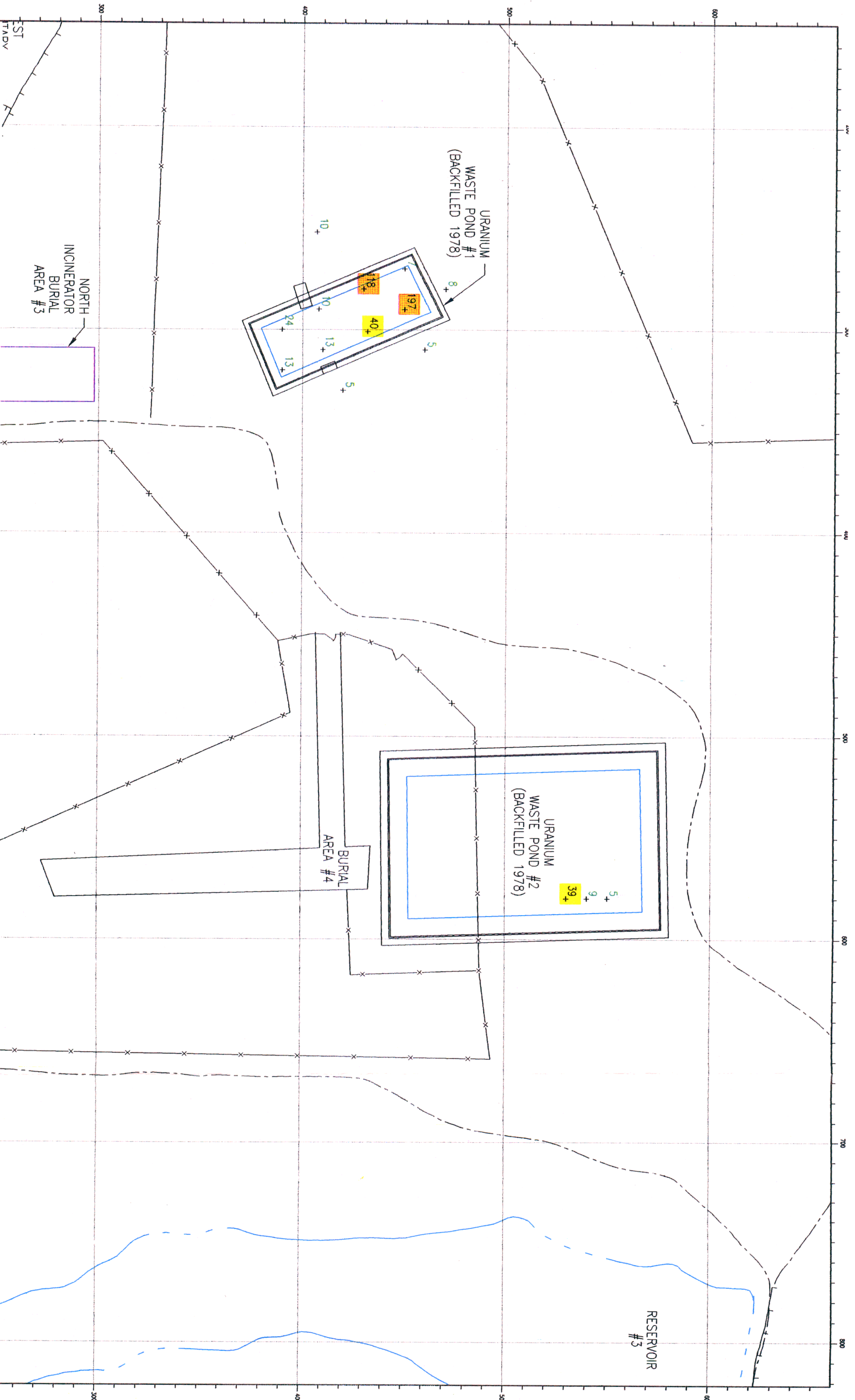
1-29 pci/g

58+ 30-89 pCi/g  
117+ > 90 pCi/g

HIT ROCK OR  
METAL - NO  
+  
SAMPLE

**SCALE:**  
**AS SHOWN**





REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (Cp/g U).

CHARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.

NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-MACIE HYDROLOGIST TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

**LEGEND**

3+ 1-29 pCi/g

59+ 30-89 pCi/g

117+ > 90 pCi/g

HIT ROCK OR METAL - NO SAMPLE

**CIMARRON CORPORATION**

WASTE PONDS NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOUOT: 8'-9" DEEP

CLIENT DRAWING NO.

JOB NO.

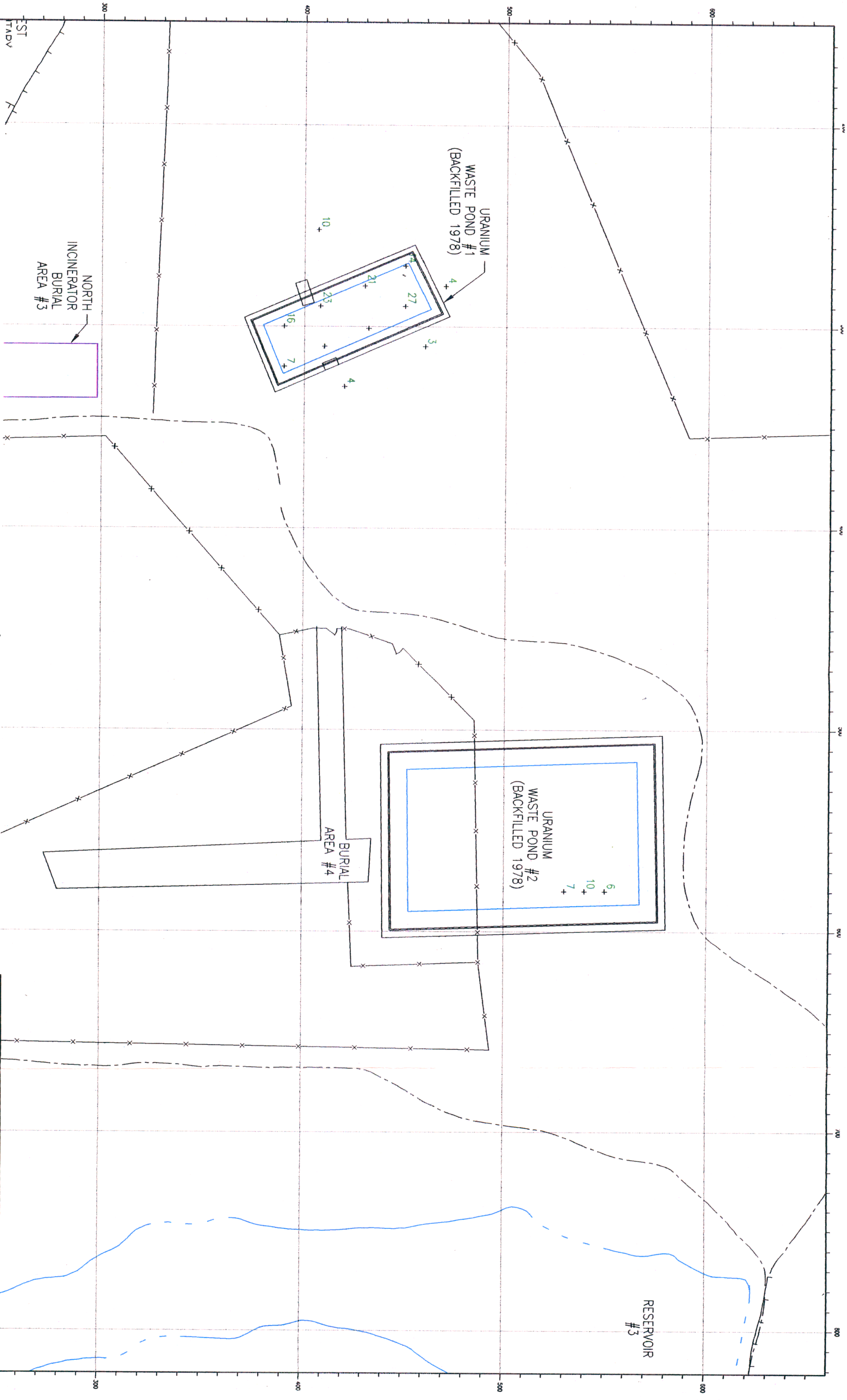
DRAWING NO. 93WPPSS-R9

REV. 0









REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).									
CIMARRON GAMMA SPEC SOIL COUNTER.									
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.									
NOT SUBTRACTED.									
ADDITIONAL SAMPLING PERFORMED BY KERR-MCCREY									
HYDROLOGIST TO OBTAIN DEEPER SAMPLES.									
WASTE PONDS BACKFILLED IN 1978.									
DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY
9/28/94	JA	10/1/94	JA						
SCALE: AS SHOWN									
JOB NO. DRAWING NO. 33MPPS-R11									
REV. 0									

**CIMARRON CORPORATION**

**WASTE POND NO. 1 & NO. 2**  
**INVESTIGATIVE SOIL SAMPLE RESULTS (1993)**  
**SOIL SAMPLE ALIQUOT: 10"-11" DEEP**

7+	1-29 pCi/g
50	30-89 pCi/g
100	> 90 pCi/g
+	HIT ROCK OR
+	SAMPLE



