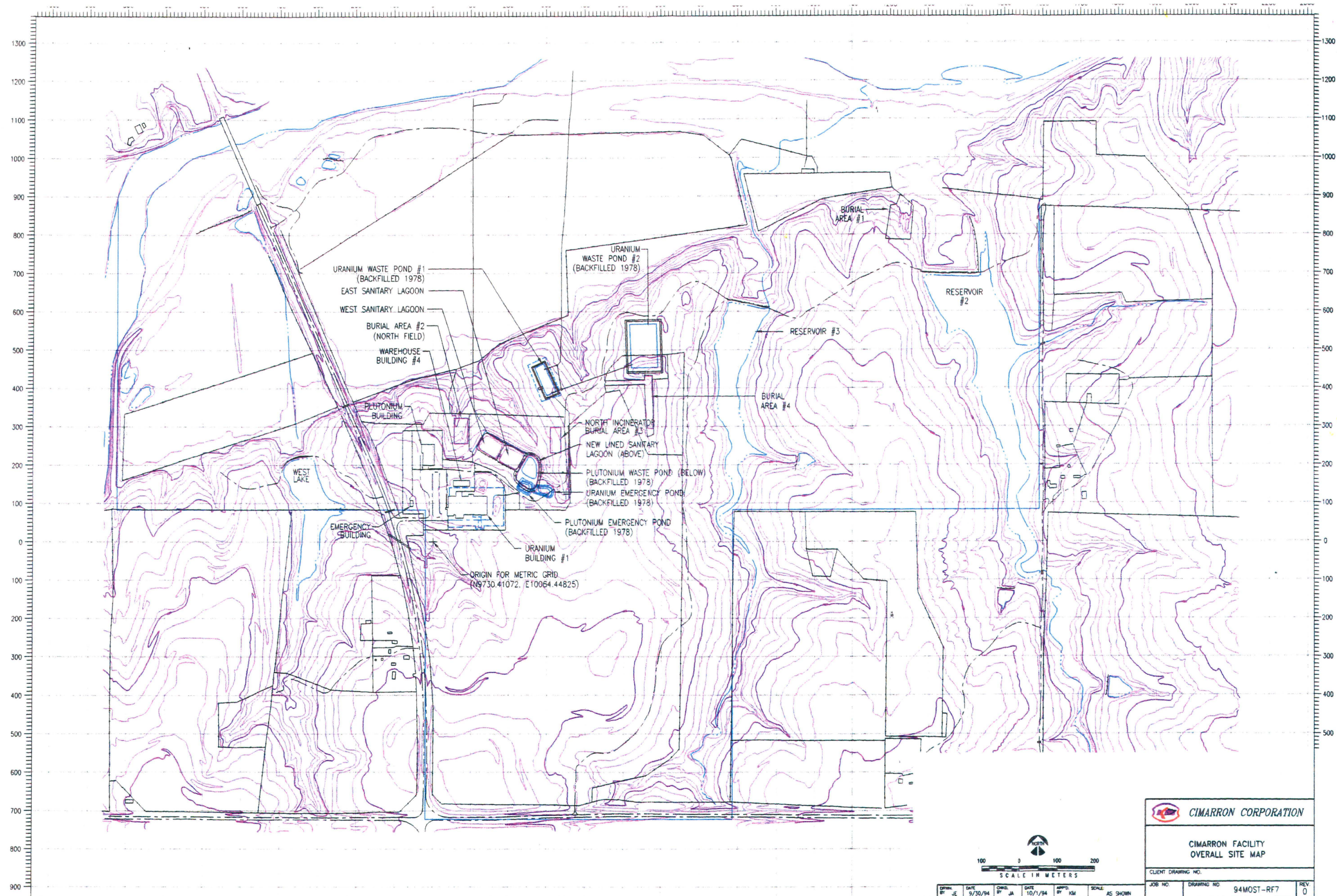




 **CIMARRON CORPORATION**

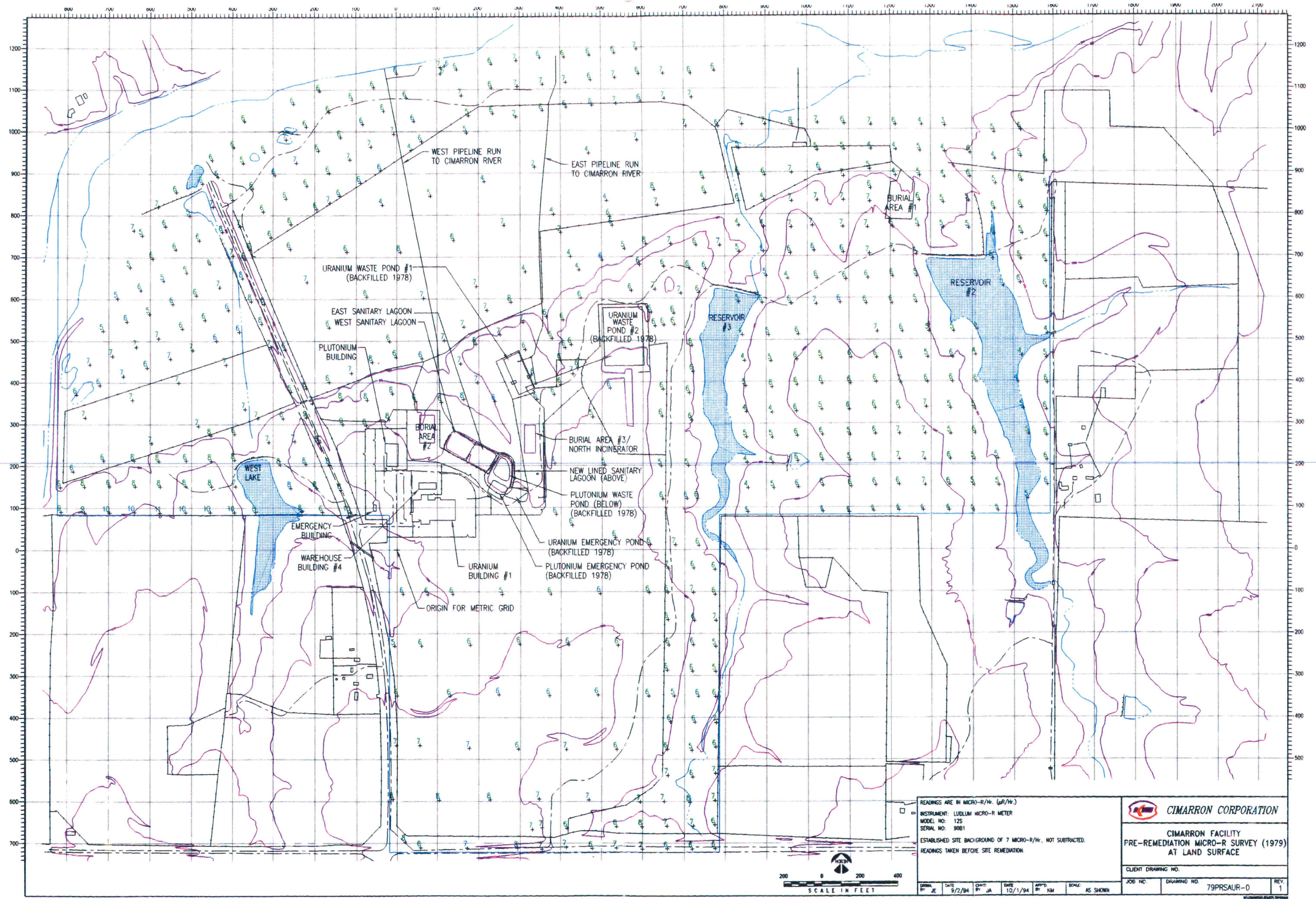
**CIMARRON FACILITY
OVERALL SITE MAP**

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/PAQUISTO



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



 **CIMARRON CORPORATION**

**CIMARRON FACILITY
PRE-REMEDIATION MICRO-R SURVEY (1979)
AT LAND SURFACE**

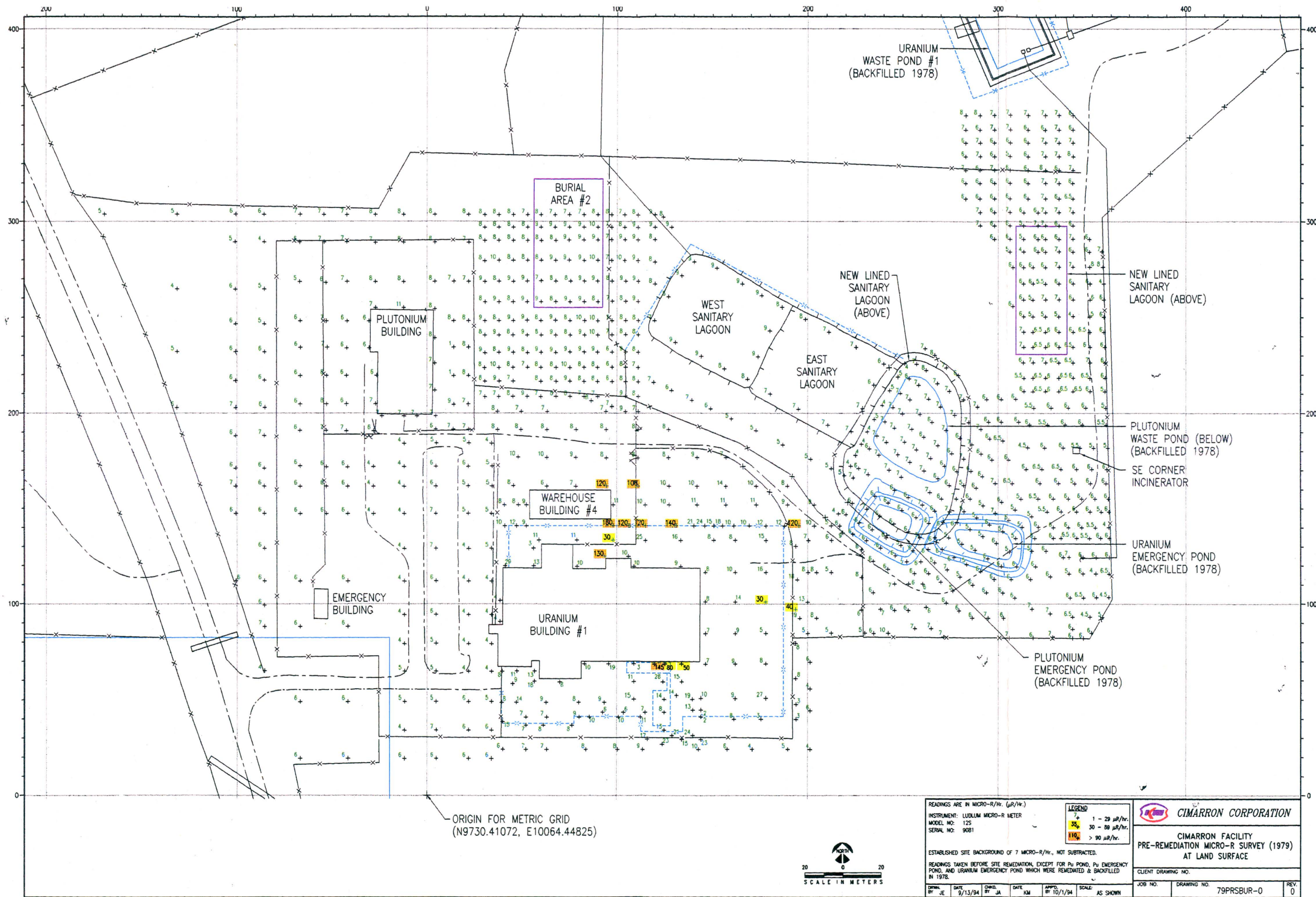
CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 79PRSAUR-0

REV. 1

DESIGN BY	DATE	CHECK BY	DATE	APPROVED BY	SCALE
JE	9/2/94	JA	10/1/94	KM	AS SHOWN



ORIGIN FOR METRIC GRID
(N9730.41072, E10064.44825)



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 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.

LEGEND
1 - 29 $\mu R/Hr.$
30 - 89 $\mu R/Hr.$
> 90 $\mu R/Hr.$

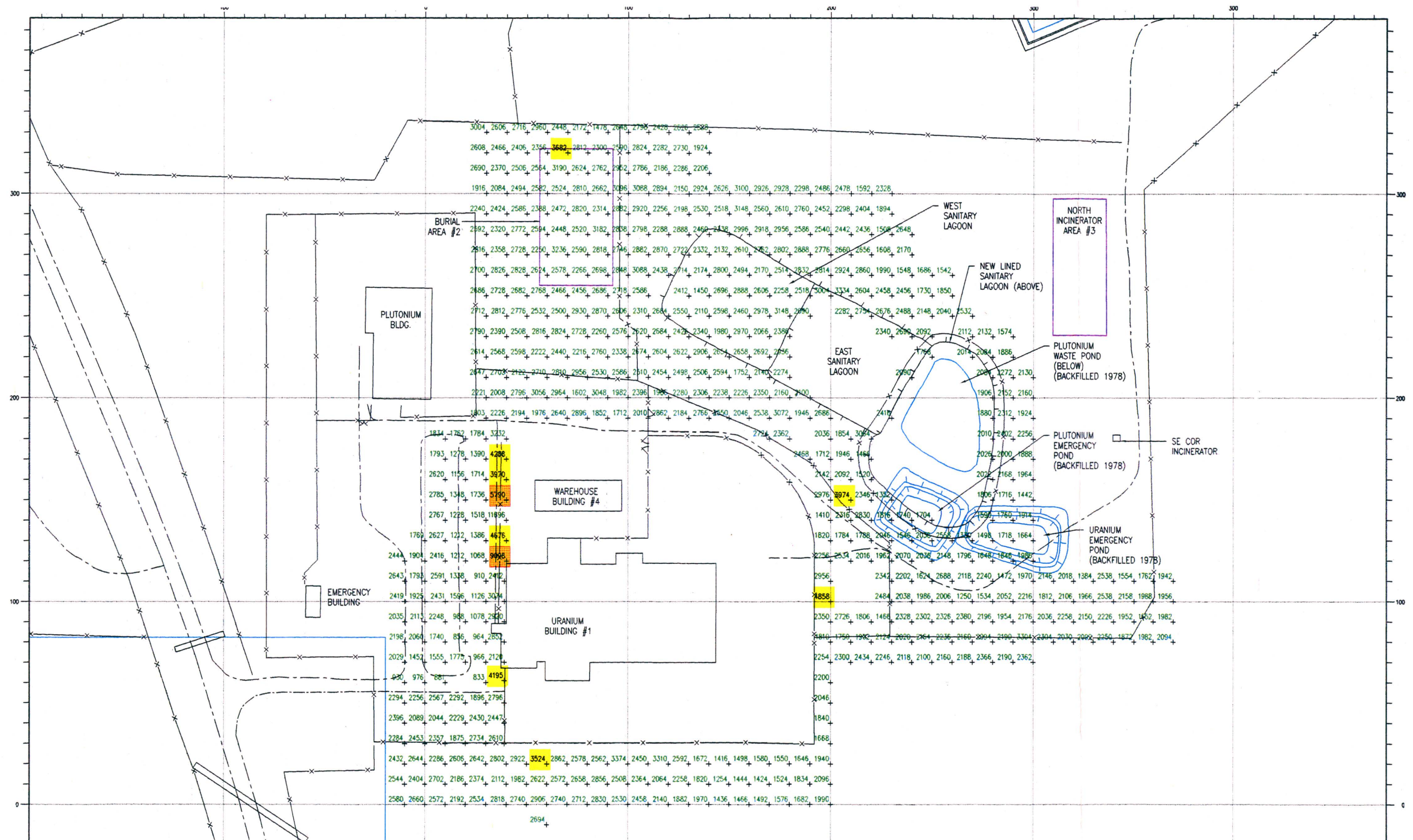
DRAWN BY: JE DATE: 9/13/94
CHECKED BY: JA DATE: NM
APPROVED BY: 10/1/94
SCALE: AS SHOWN

CIMARRON CORPORATION

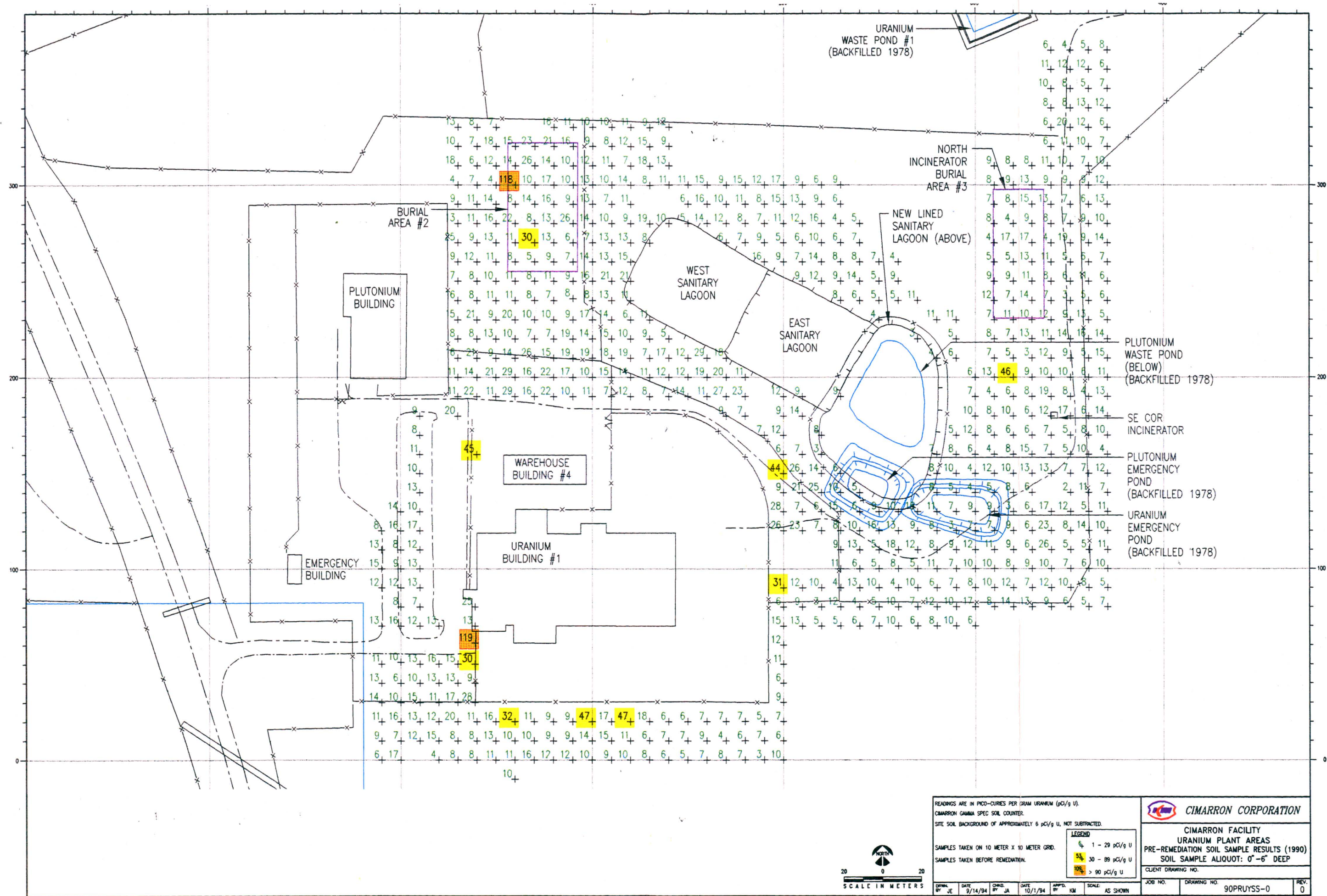
CIMARRON FACILITY
PRE-REMEDIATION MICRO-R SURVEY (1979)
AT LAND SURFACE

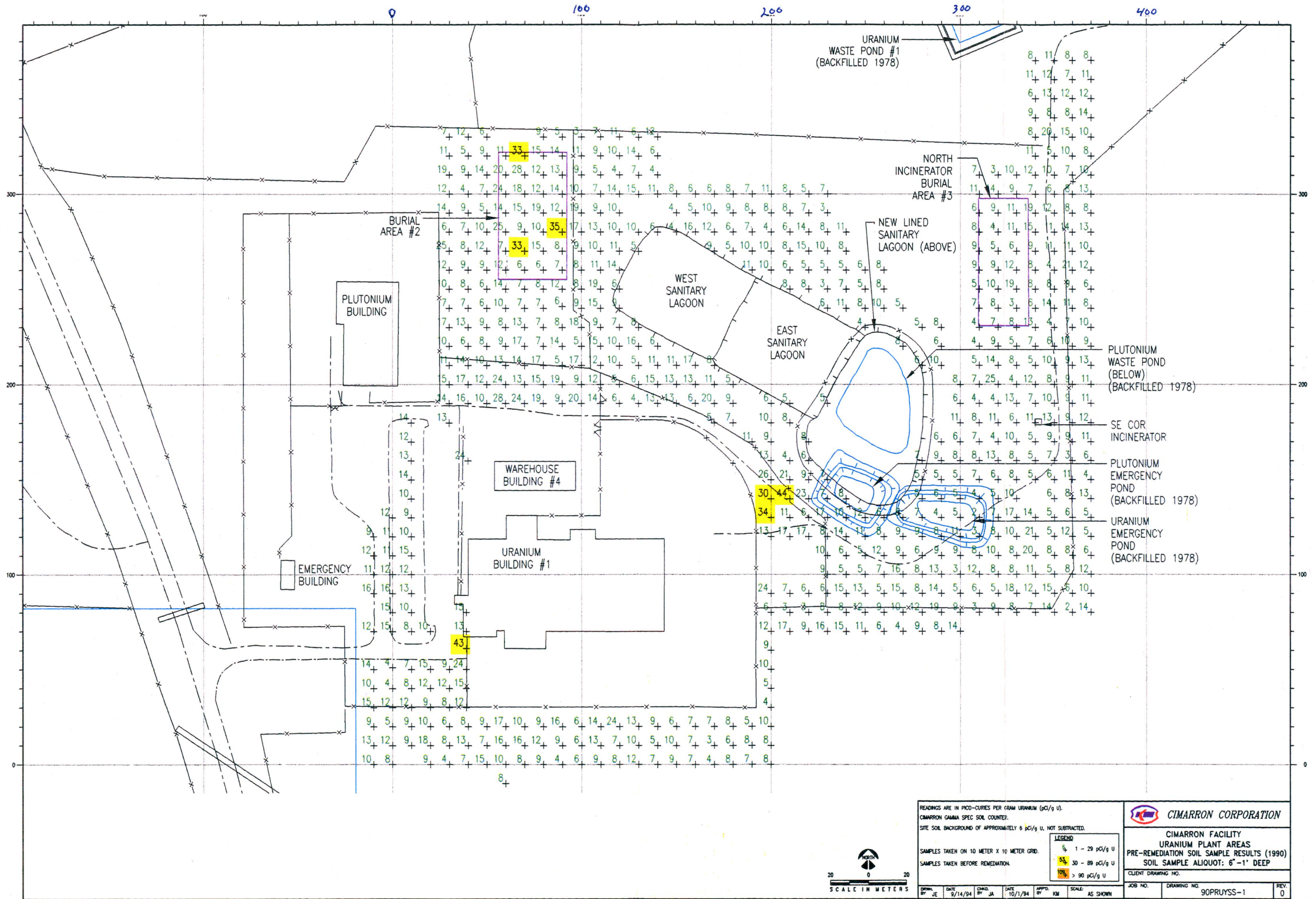
CLIENT DRAWING NO.

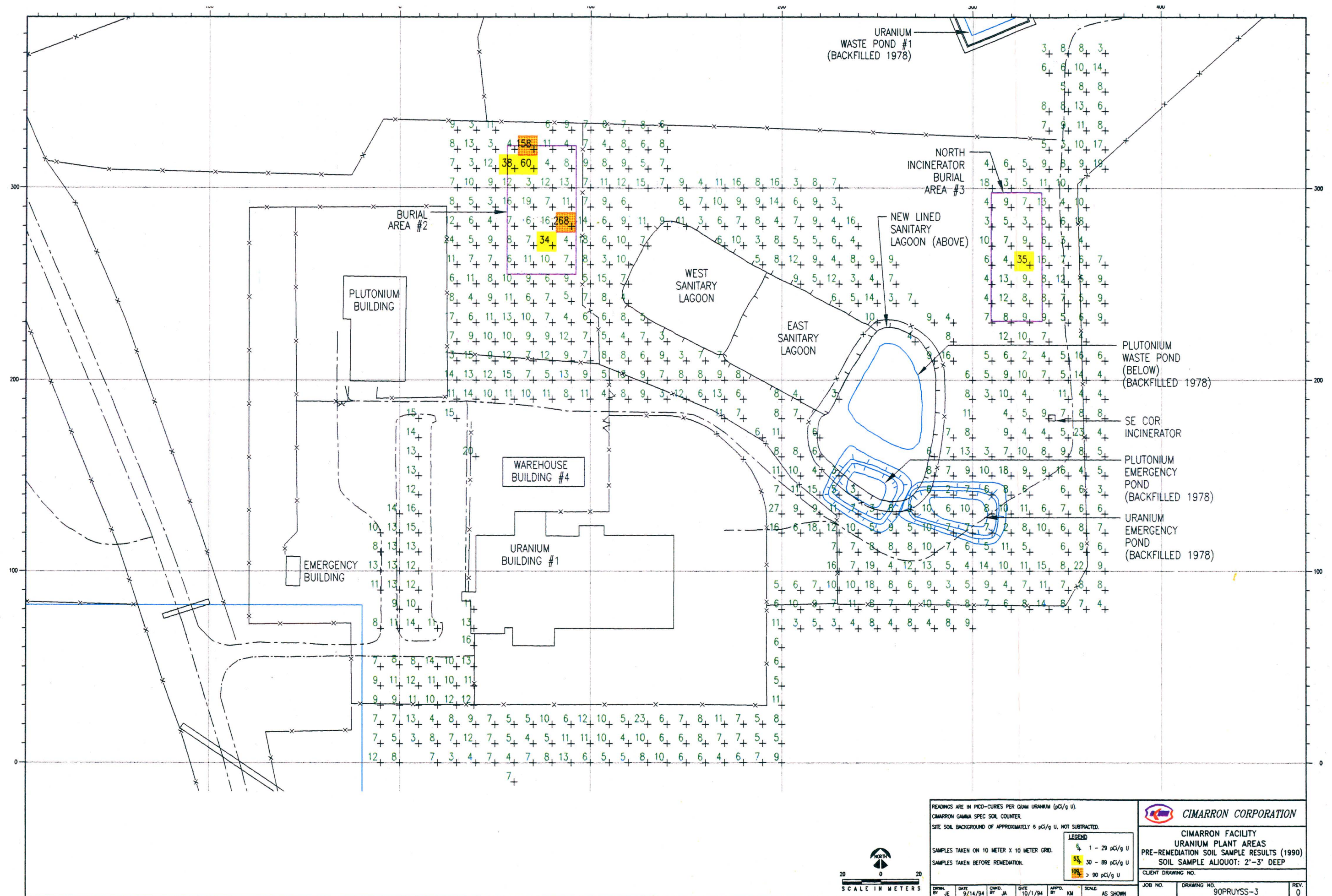
JOB NO. DRAWING NO. 79PRSBUR-0 REV. 0

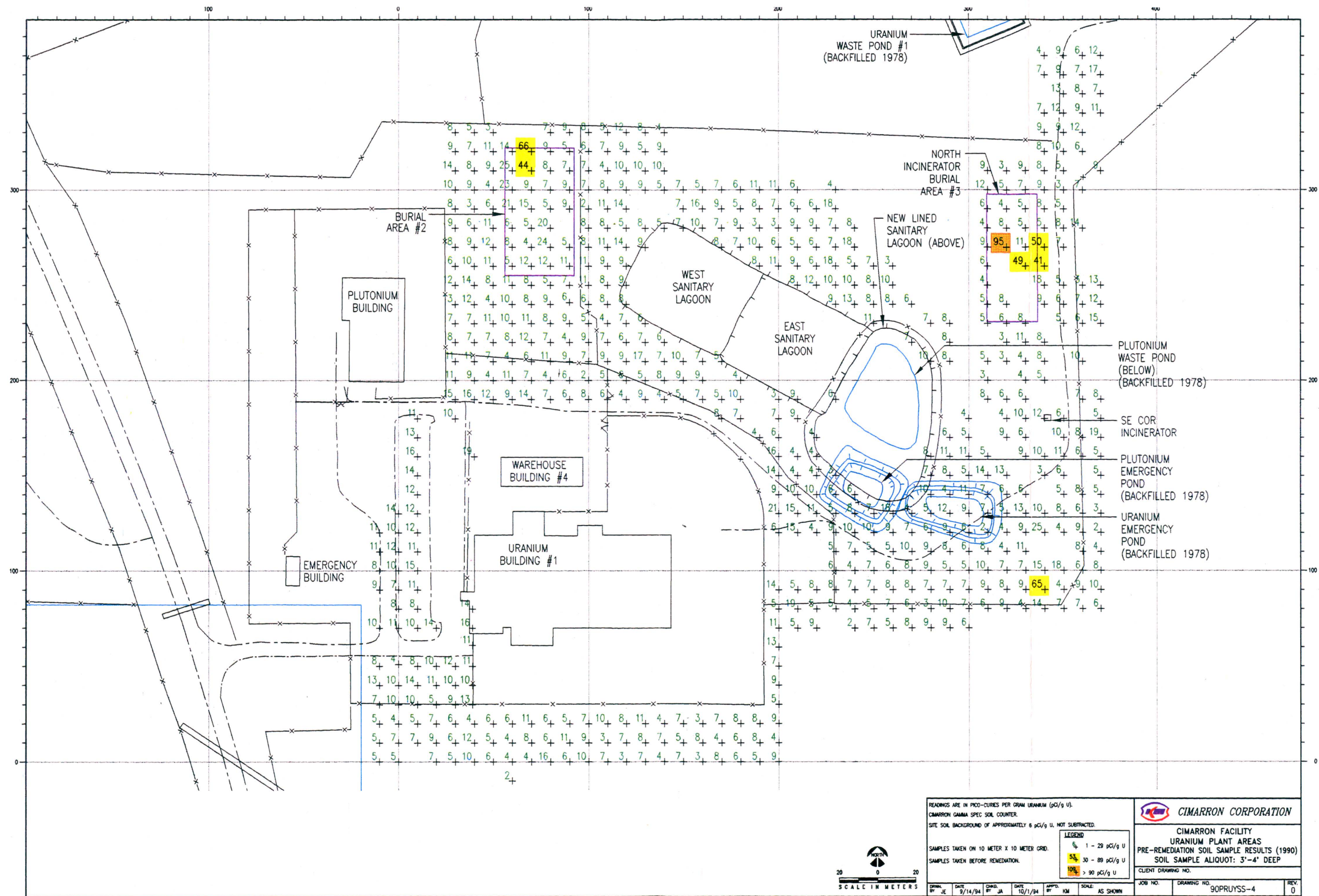


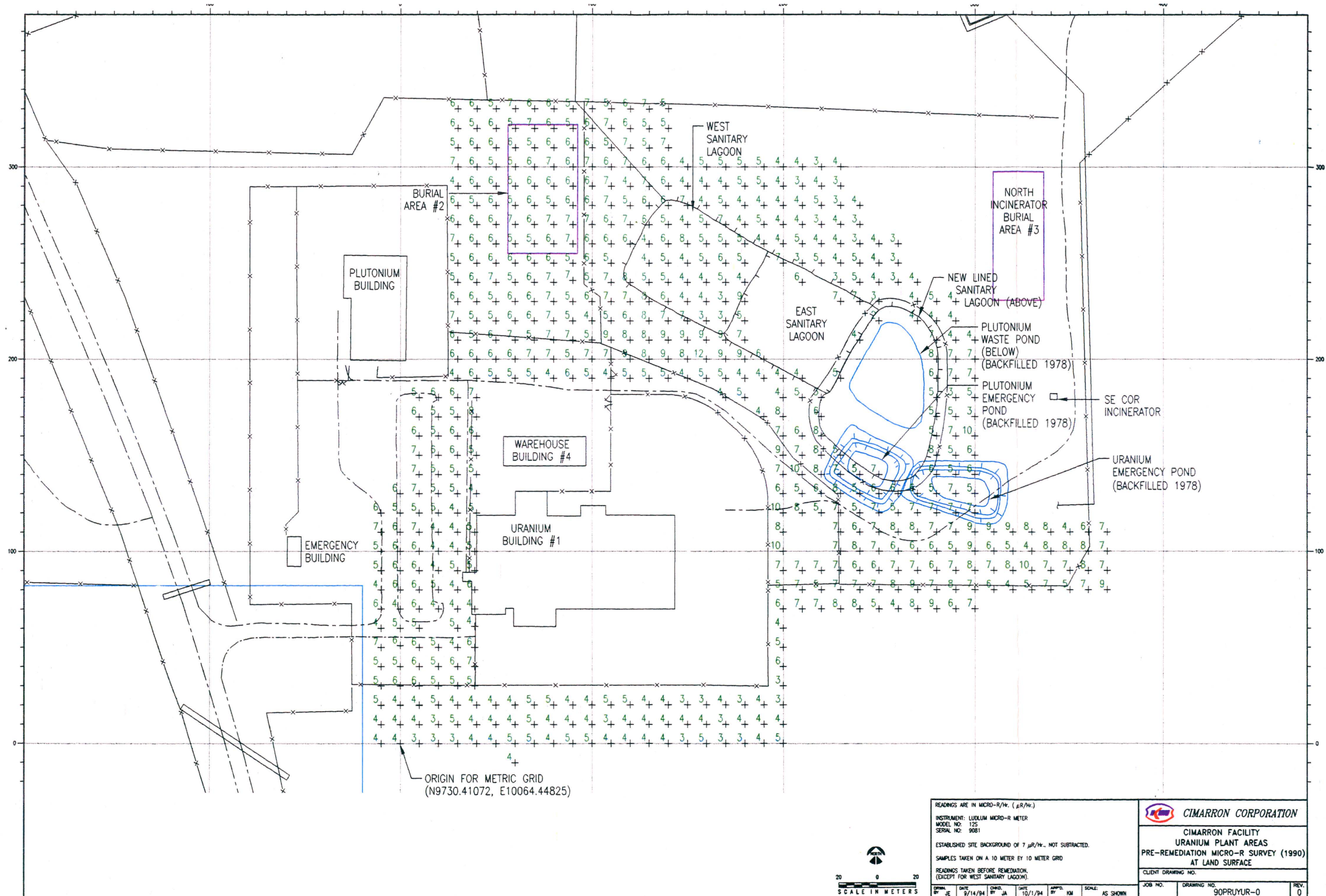
INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" x 1/2" NaI DETECTOR.		 CIMARRON CORPORATION	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		CIMARRON FACILITY URANIUM PLANT AREAS PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT DRAWING NO.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

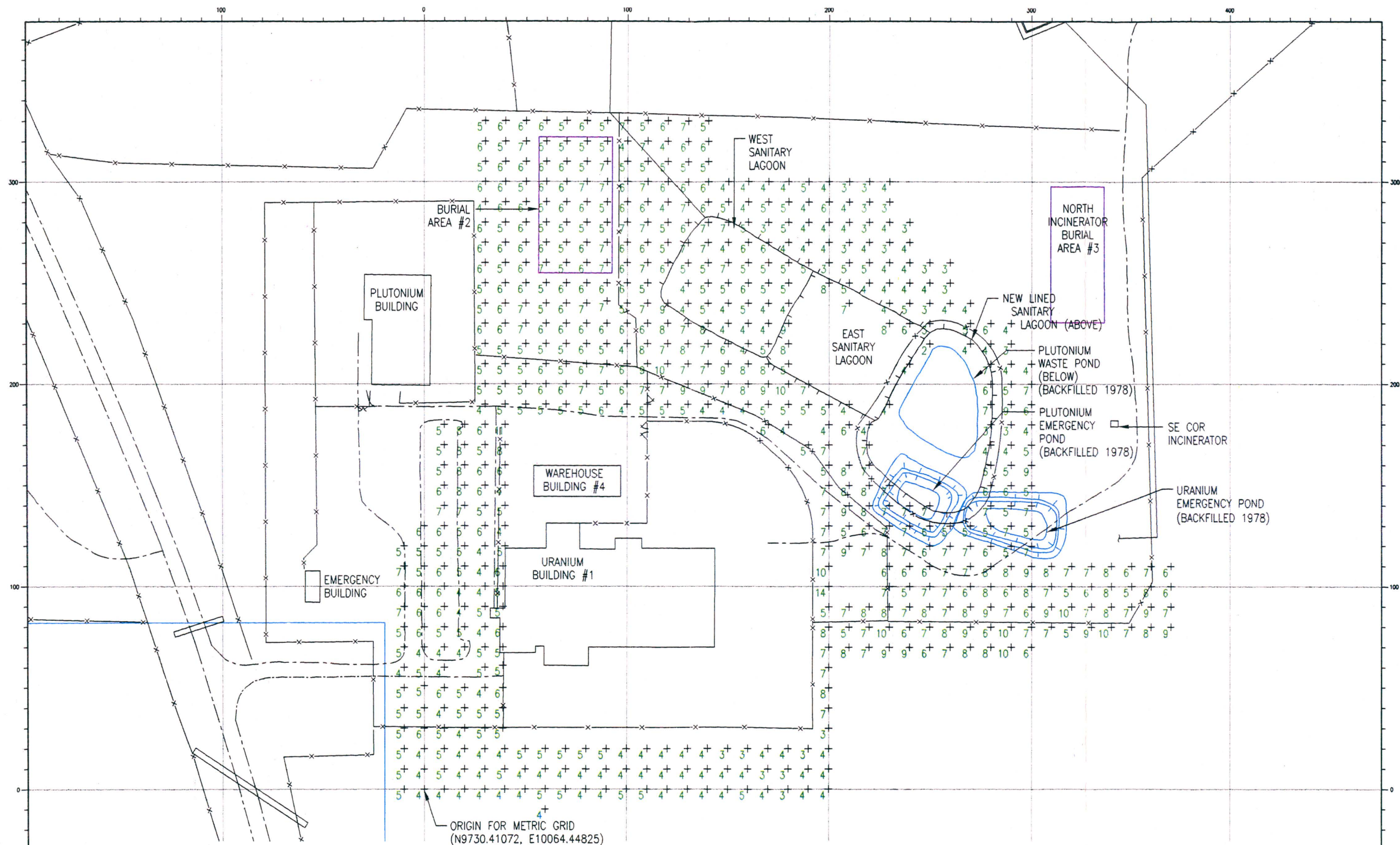












READINGS ARE IN MICRO-R/H. ($\mu R/H$)

INSTRUMENT: LUDLUM MICRO-R METER

MODEL NO: 125

SERIAL NO: 9081

ESTABLISHED SITE BACKGROUND OF $7 \mu R/H$. 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

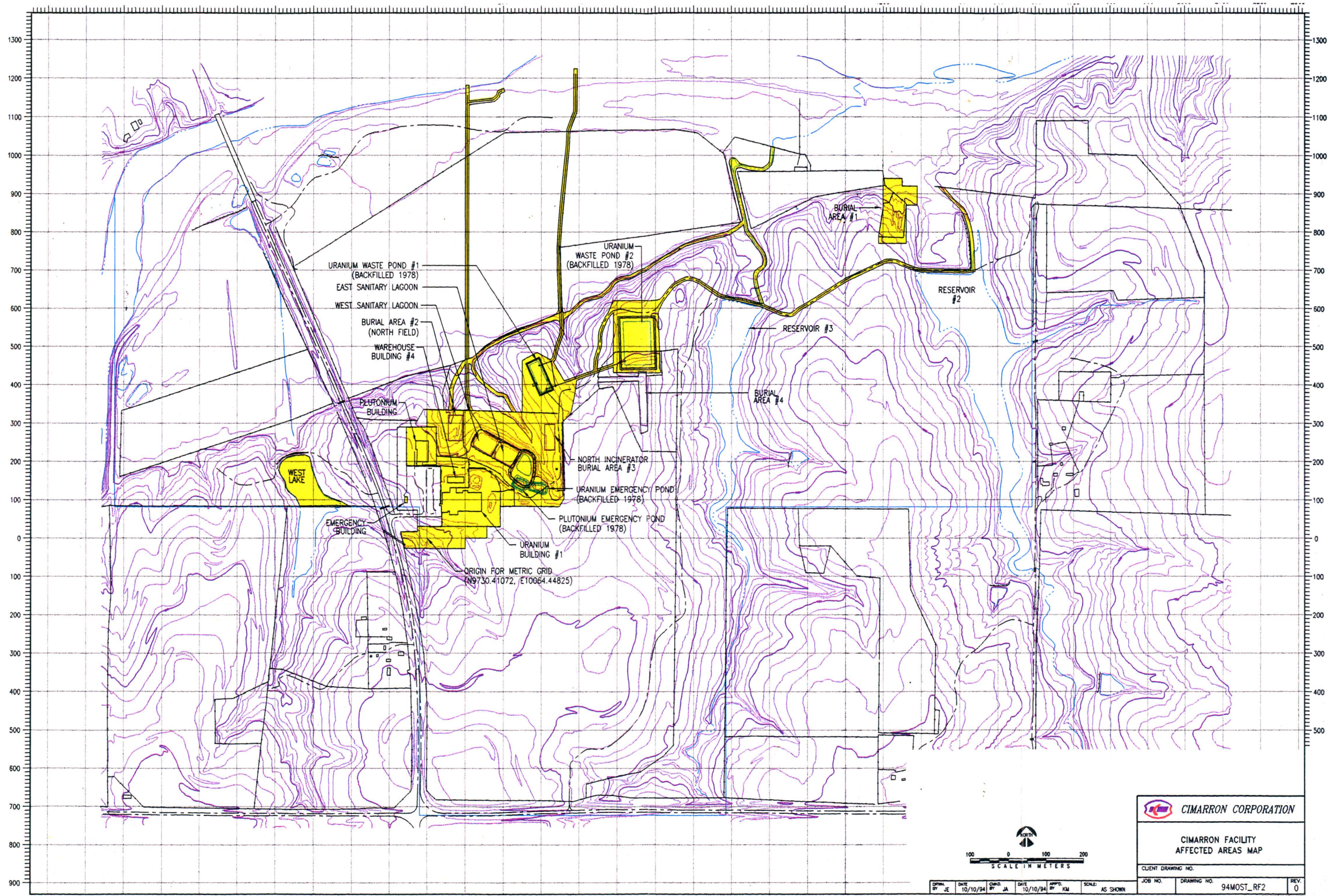
BY: JA

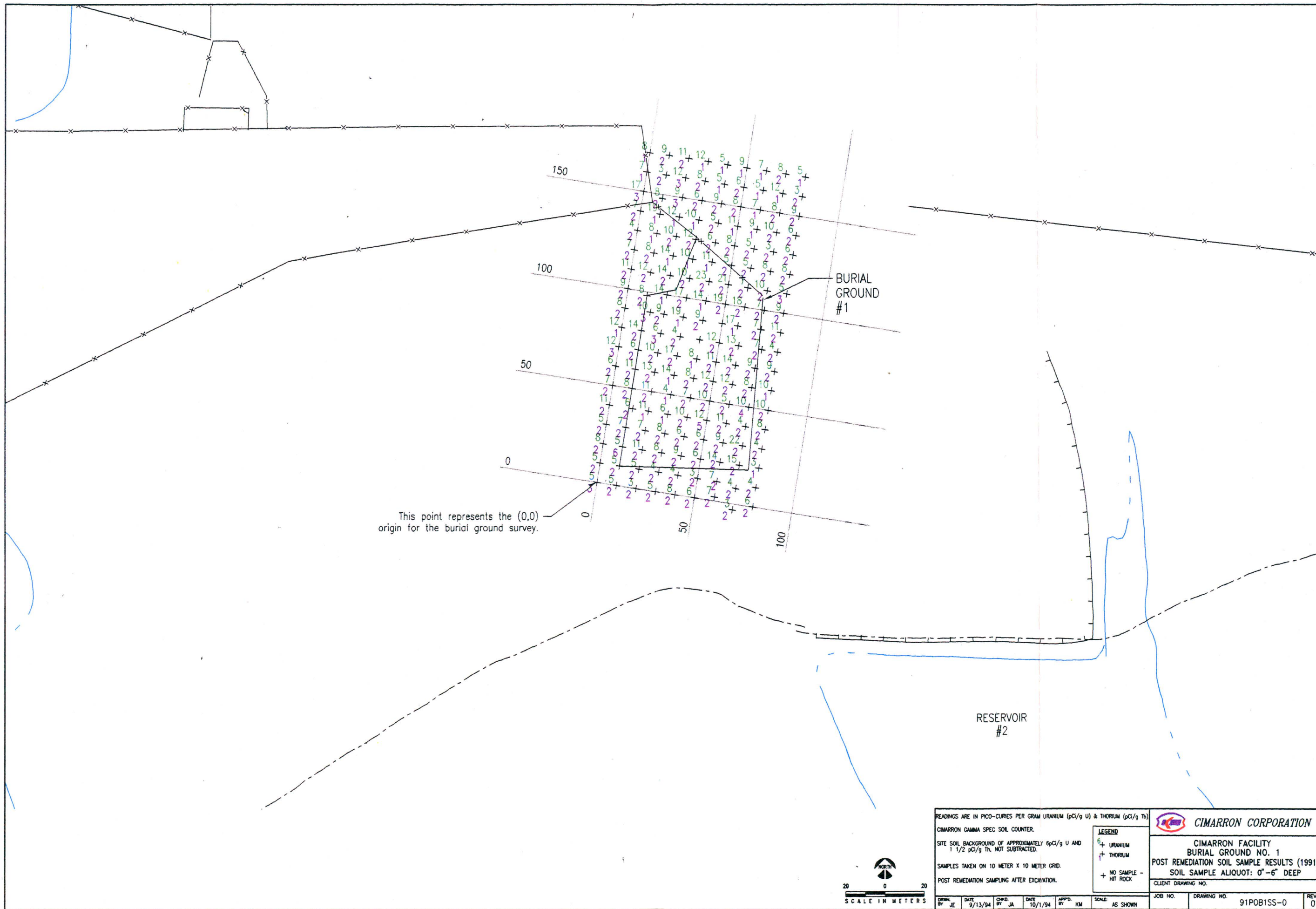
DATE: 10/1/94

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.	DRAWING NO. 90PRUYUR-1
REV.	0





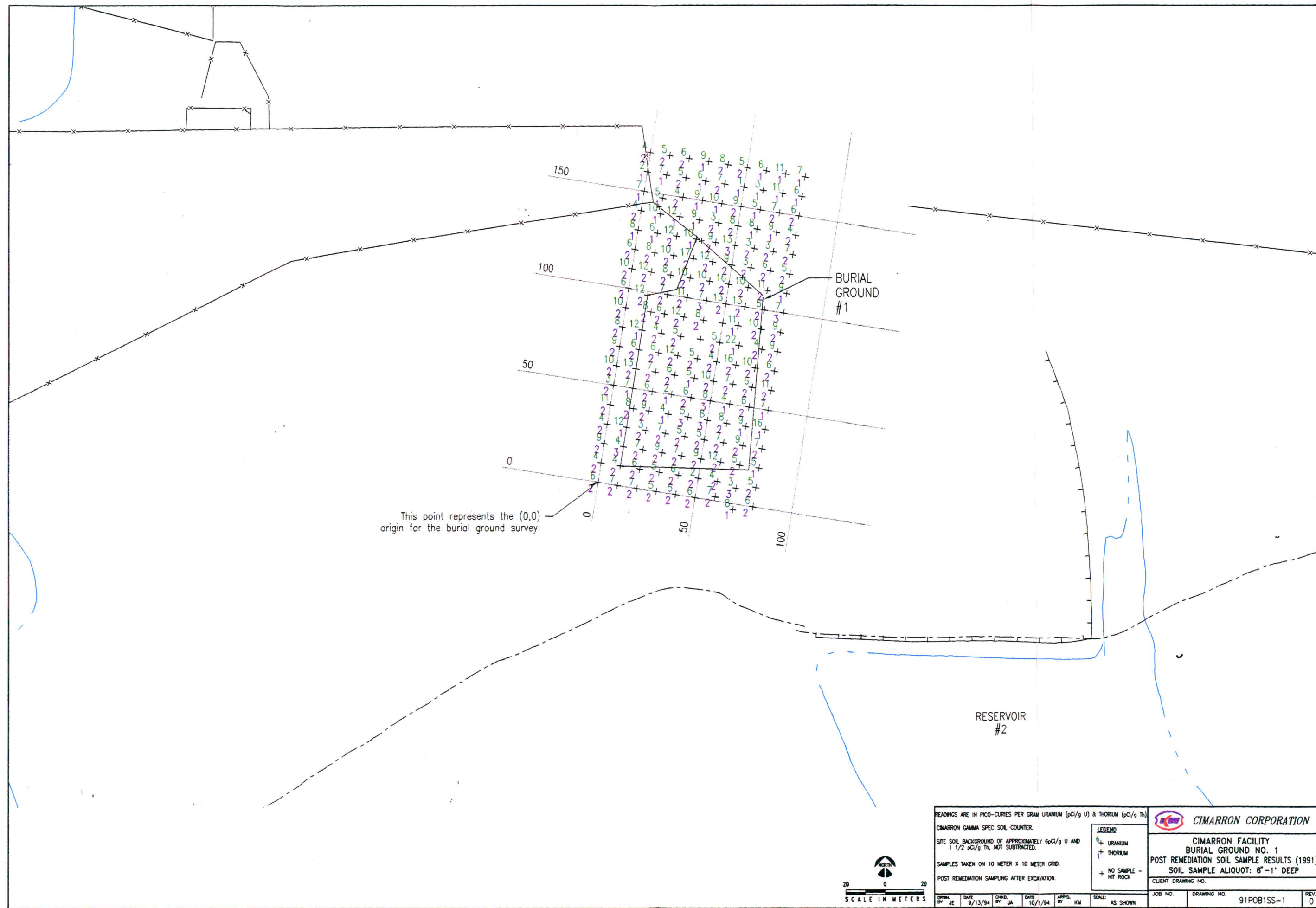
This point represents the (0,0)
origin for the burial ground survey.

BURIAL
GROUND
#1

RESERVOIR
#2



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



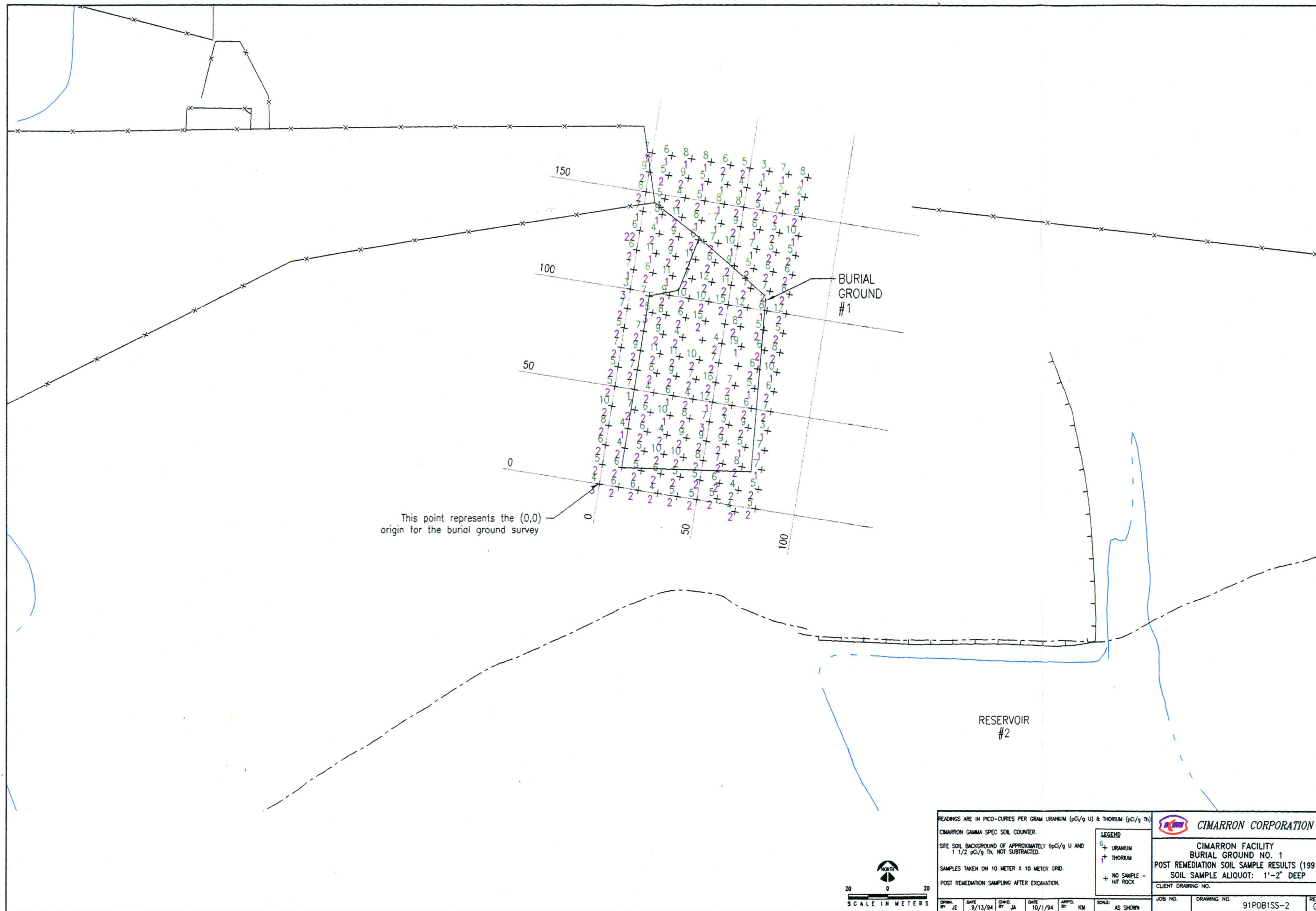
This point represents the (0,0) origin for the burial ground survey.

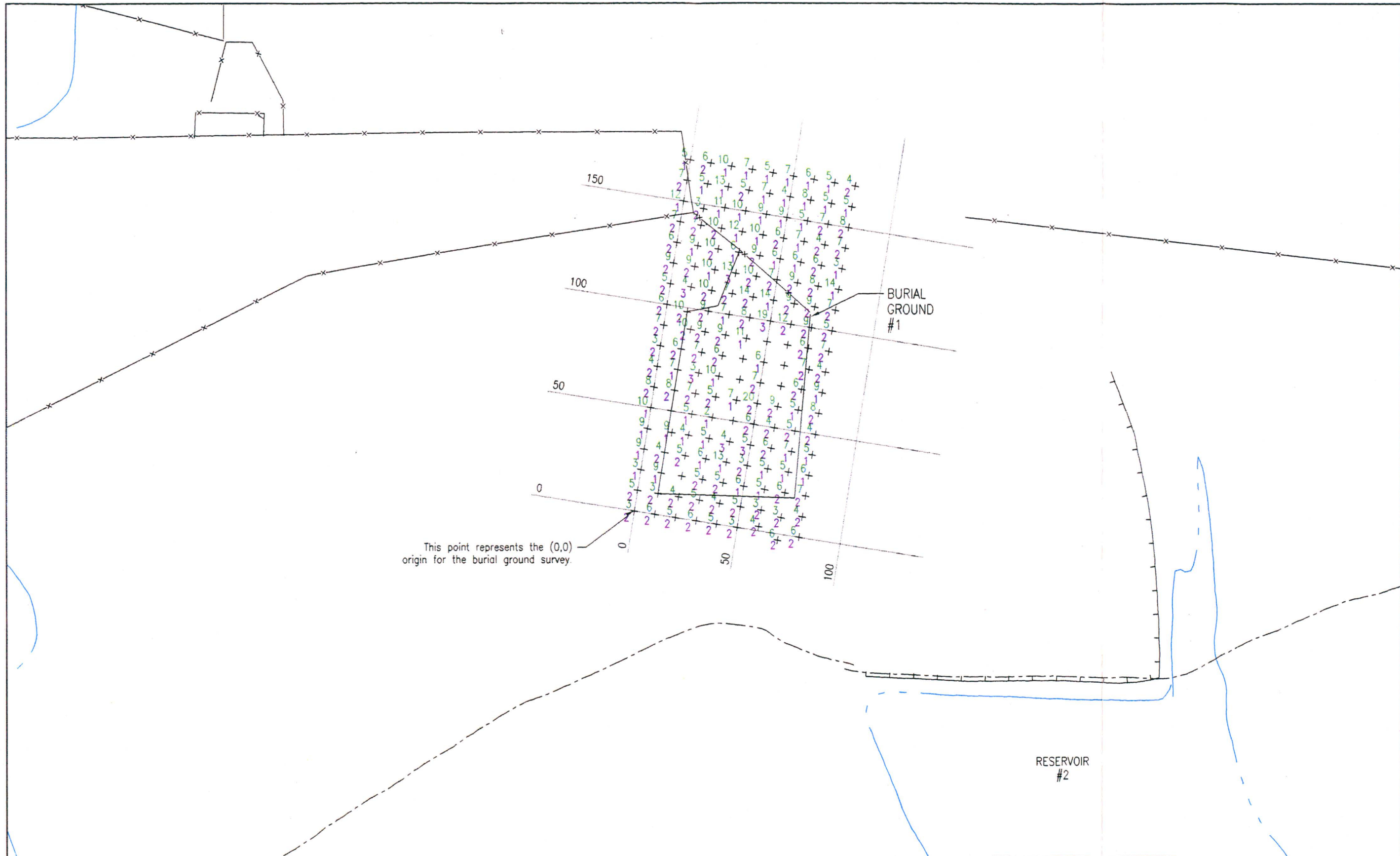
BURIAL GROUND #1

RESERVOIR #2

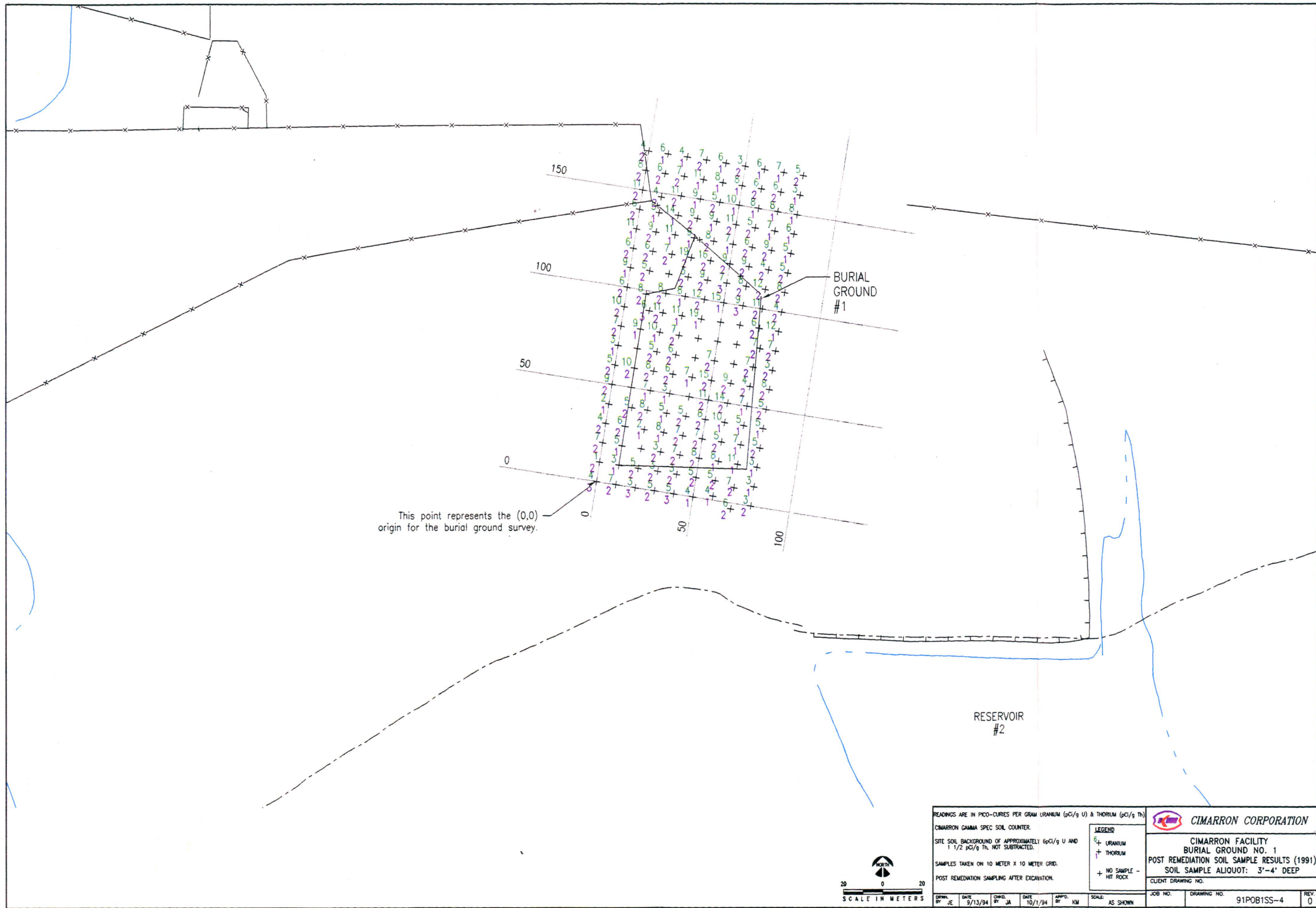


READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)				 CIMARRON CORPORATION	
CIMARRON GAMMA SPEC SOIL COUNTER.					
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2 pCi/g Th, NOT SUBTRACTED.					
SAMPLES TAKEN ON 10 METER X 10 METER GRID.					
POST REMEDIATION SAMPLING AFTER EXCAVATION.					
LEGEND					
+ URANIUM					
+ THORIUM					
+ NO SAMPLE - HIT ROCK					
DATE	9/13/94	DATE	10/1/94	APPROVED BY	KM
SCALE	AS SHOWN				
JOB NO.	DRAWING NO.		91POB1SS-1		REV. 0





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.						CIMARRON CORPORATION CIMARRON FACILITY BURIAL GROUND NO. 1 POST REMEDIATION SOIL SAMPLE RESULTS (1991) SOIL SAMPLE ALIQUOT: 2'-3' DEEP CLIENT DRAWING NO.	
LEGEND 6+ URANIUM + THORIUM + NO SAMPLE - HIT ROCK						JOB NO. DRAWING NO. 91POB1SS-3 REV. 0	
DESIGNED BY: JE DATE: 9/13/94 CHECKED BY: JA DATE: 10/1/94 APPROVED BY: KM SCALE: AS SHOWN	20 0 20 SCALE IN METERS						



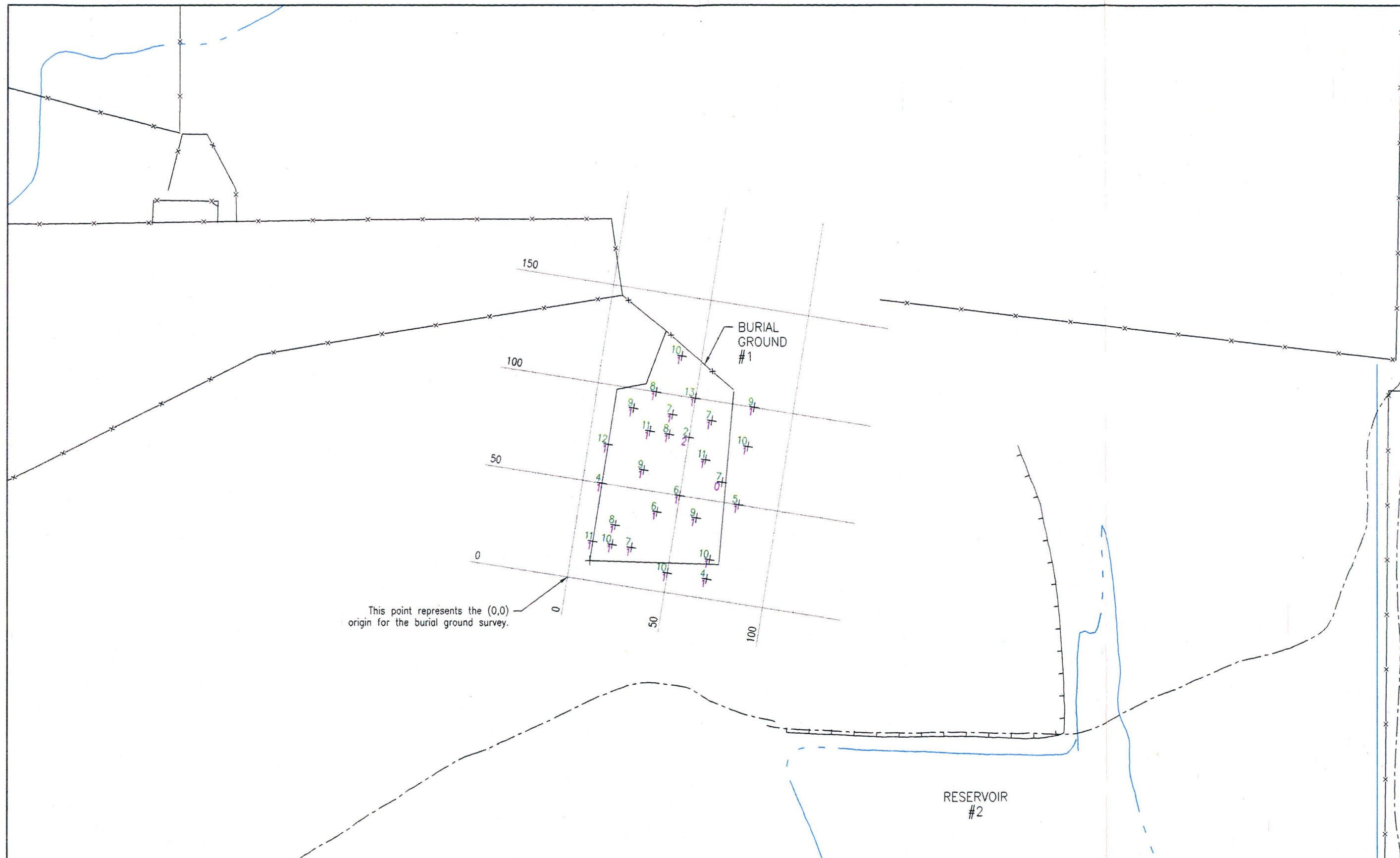
This point represents the (0,0)
origin for the burial ground survey.



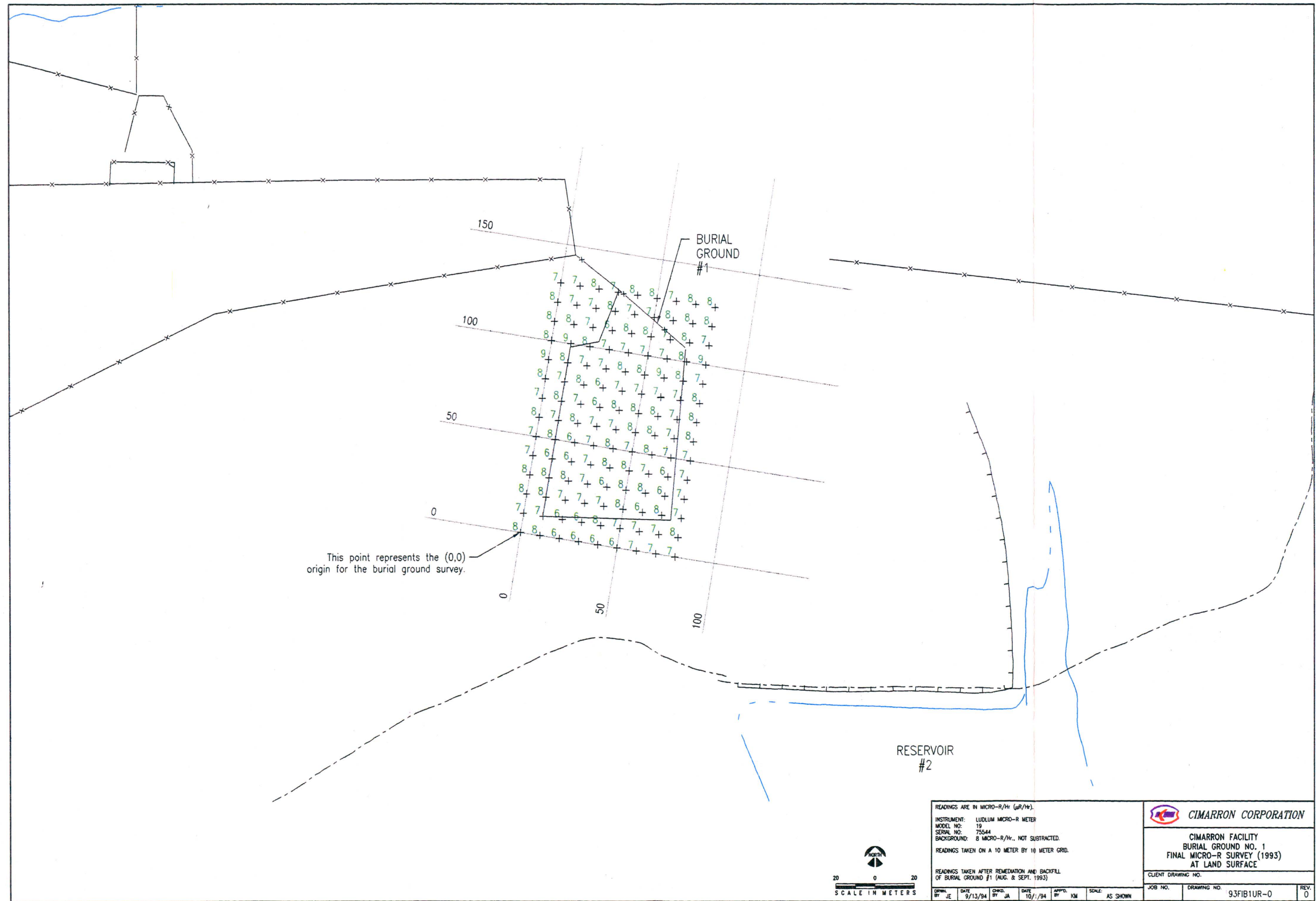
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U) & THORIUM (pCi/g Th)					
CIMARRON GAMMA SPEC SOIL COUNTER.				LEGEND	
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2 pCi/g Th. NOT SUBTRACTED.				6+ URANIUM	
SAMPLES TAKEN ON 10 METER X 10 METER GRID.				+ THORIUM	
POST REMEDIATION SAMPLING 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	JOB NO.	DRAWING NO.
9/13/94	JE	10/1/94	JA		91POB1SS-4
SCALE: AS SHOWN				REV.	0



INSTRUMENT: LUDLUM 2220 S/N 48395 LEAD-SHIELDED 3" X 1/2" NaI DETECTOR.		CIMARRON CORPORATION	
LEGEND 3300+ < 3500 CPM 4530+ 3500 - 4999 CPM 5830+ > 5000 CPM		CIMARRON FACILITY BURIAL GROUND NO. 1 POST REMEDIATION GAMMA SURVEY (1991) READINGS IN CPM (3" DET.)	
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	APPR. BY
SCALE: AS SHOWN			



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

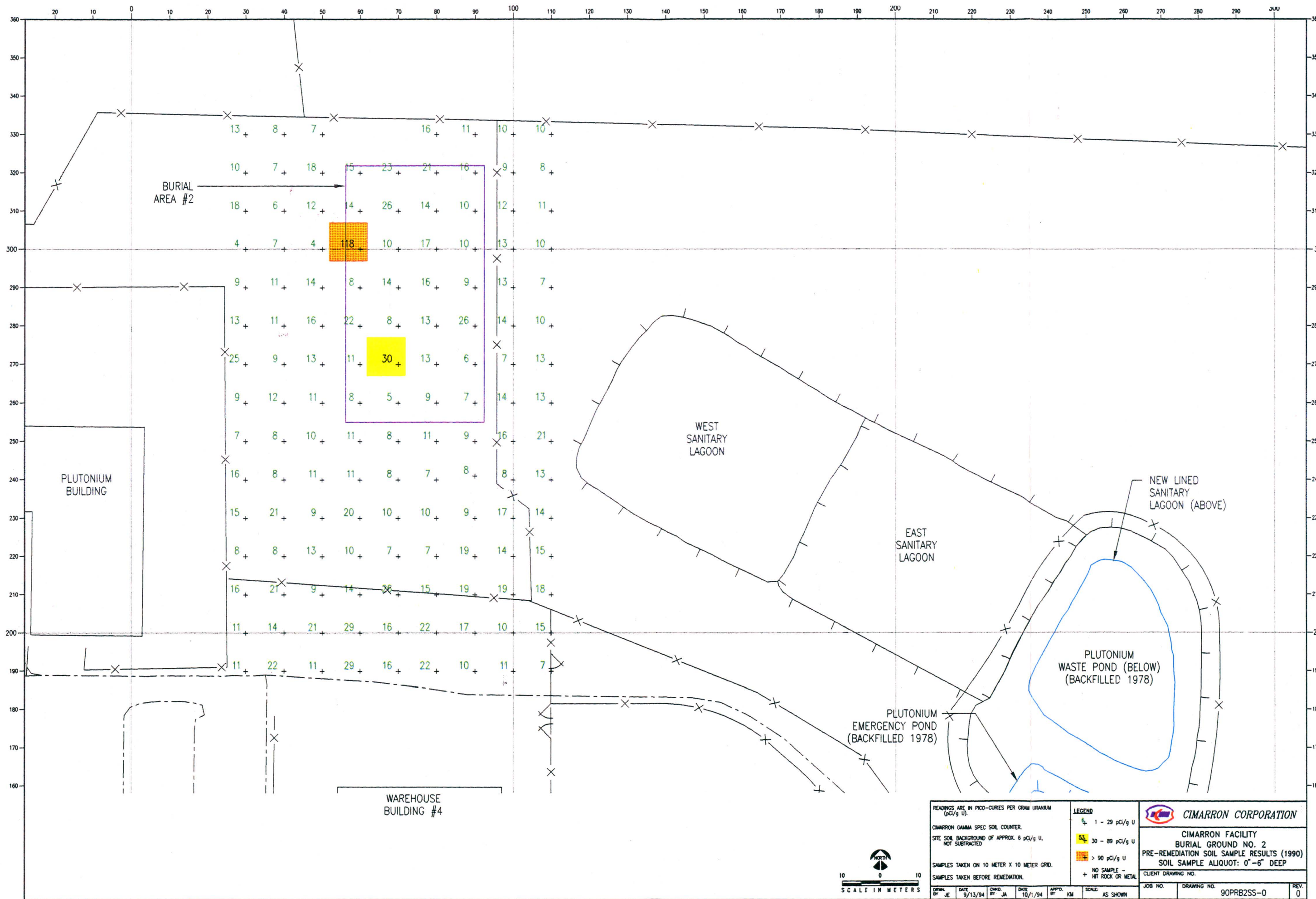


READINGS ARE IN MICRO-R/Hr. ($\mu R/Hr$).							
INSTRUMENT: LUOLUM MICRO-R METER						CIMARRON CORPORATION	
MODEL NO: 19						CIMARRON FACILITY	
SERIAL NO: 75544						BURIAL GROUND NO. 1	
BACKGROUND: 8 MICRO-R/Hr., NOT SUBTRACTED.						FINAL MICRO-R SURVEY (1993)	
READINGS TAKEN ON A 10 METER BY 10 METER GRID.						AT LAND SURFACE	
READINGS TAKEN AFTER REMEDIATION AND BACKFILL OF BURIAL GROUND #1 (AUG. & SEPT. 1993)						CLIENT DRAWING NO.	
DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	SCALE	JOB NO.	DRAWING NO.
JE	9/13/94	JA	10/1/94	KM	AS SHOWN		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)				CIMARRON FACILITY BURIAL GROUND NO. 1 FINAL MICRO-R SURVEY (1993) AT ONE METER ABOVE SURFACE	
CLIENT DRAWING NO.				JOB NO.	
DRAFTER: JE DATE: 9/13/94 CHECKED: JA DATE: 10/1/94 APP'D: KM SCALE: AS SHOWN				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

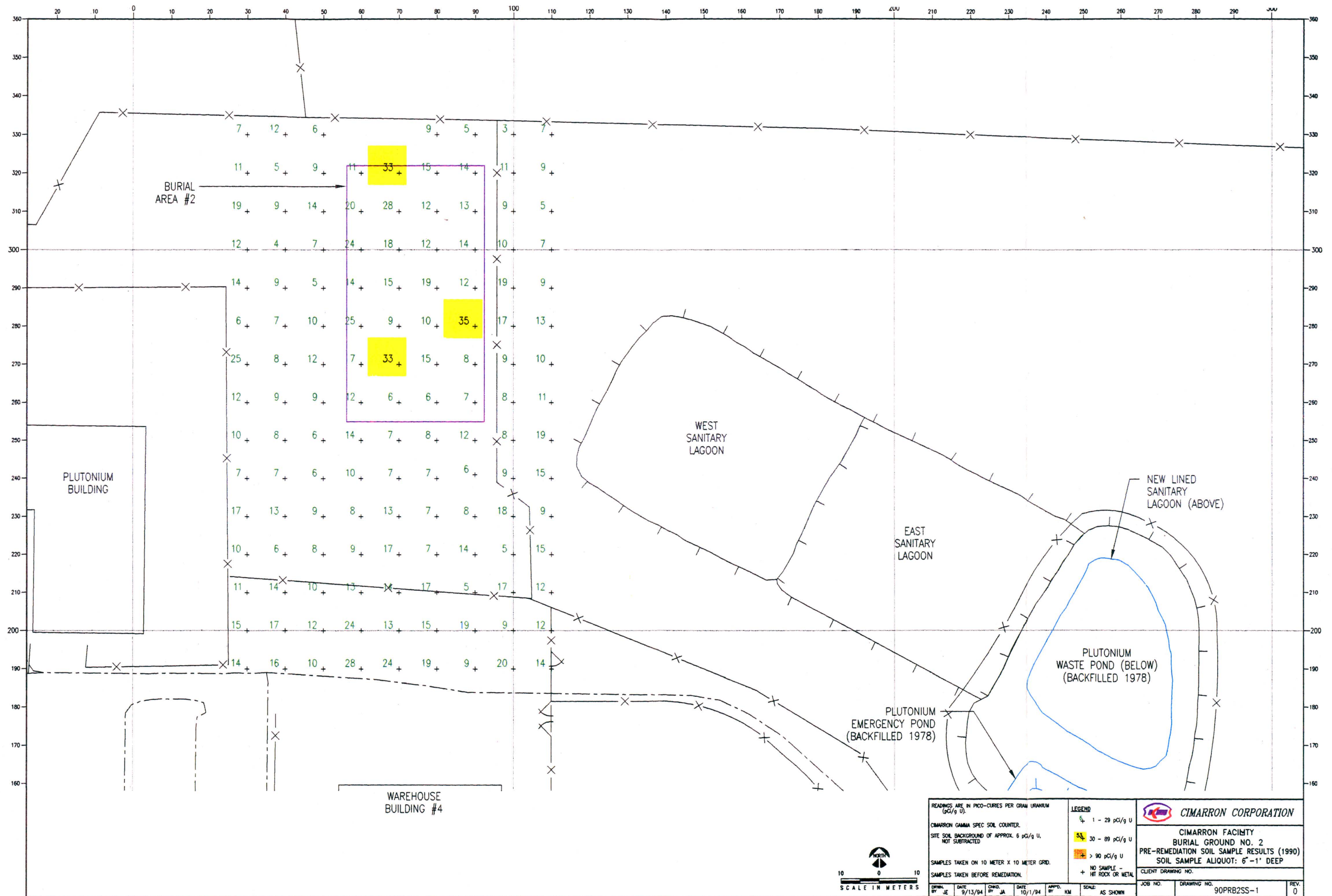
CIMARRON CORPORATION

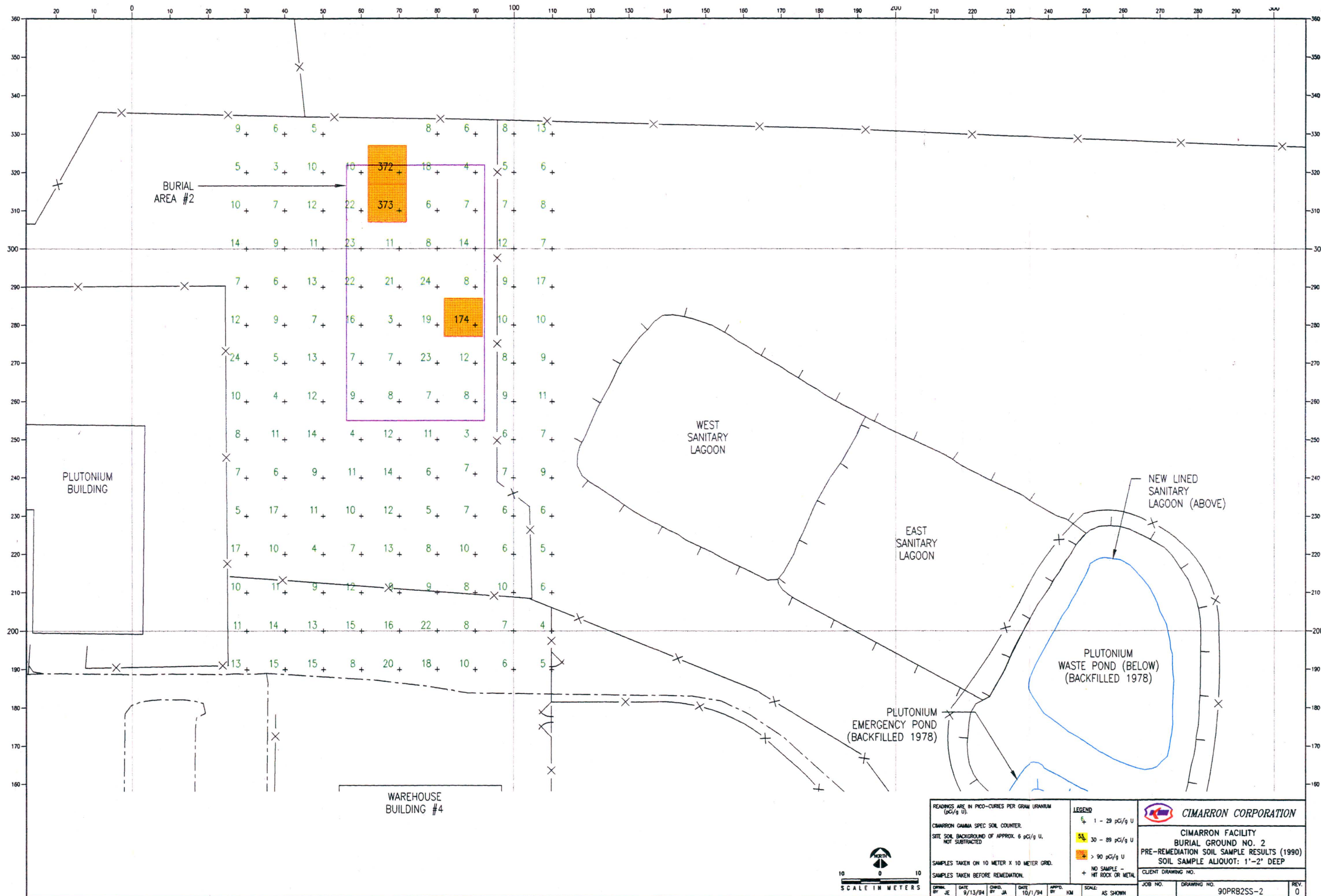
CIMARRON FACILITY
BURIAL GROUND NO. 2
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
SOIL SAMPLE ALIQUOT: 0"-6" DEEP

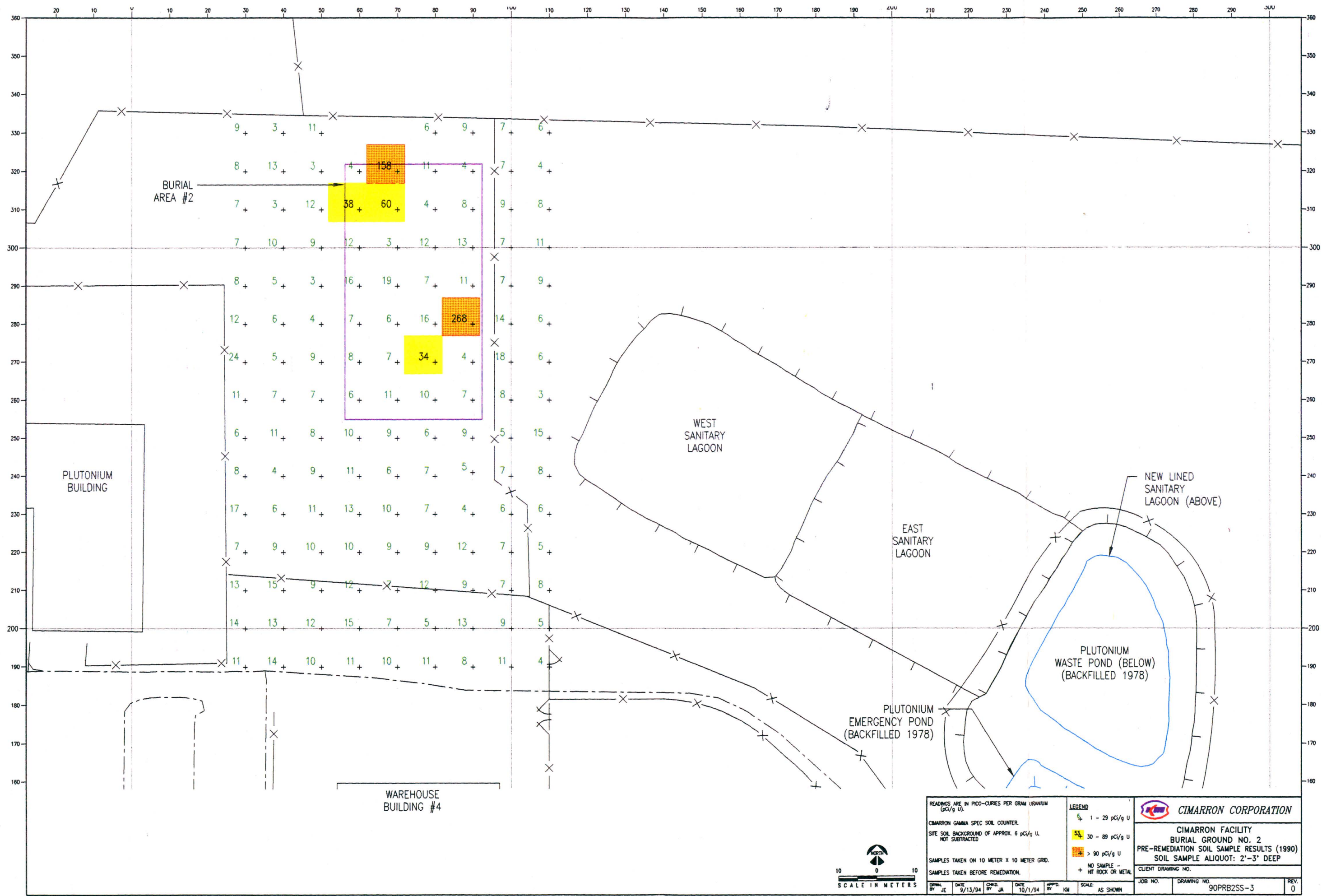
CLIENT DRAWING NO.

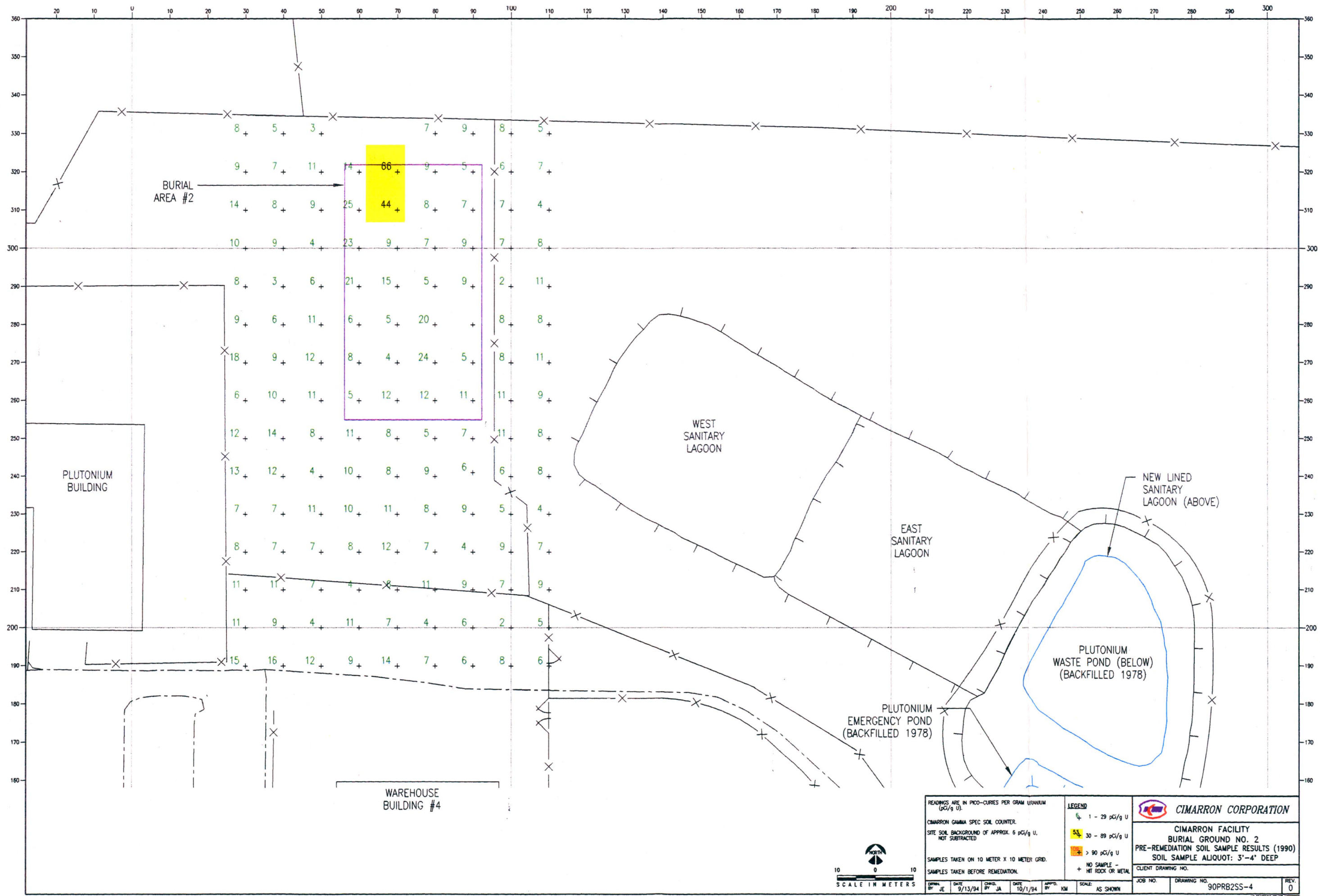
JOB NO.	DRAWING NO.	REV.
	90PRB2SS-0	0

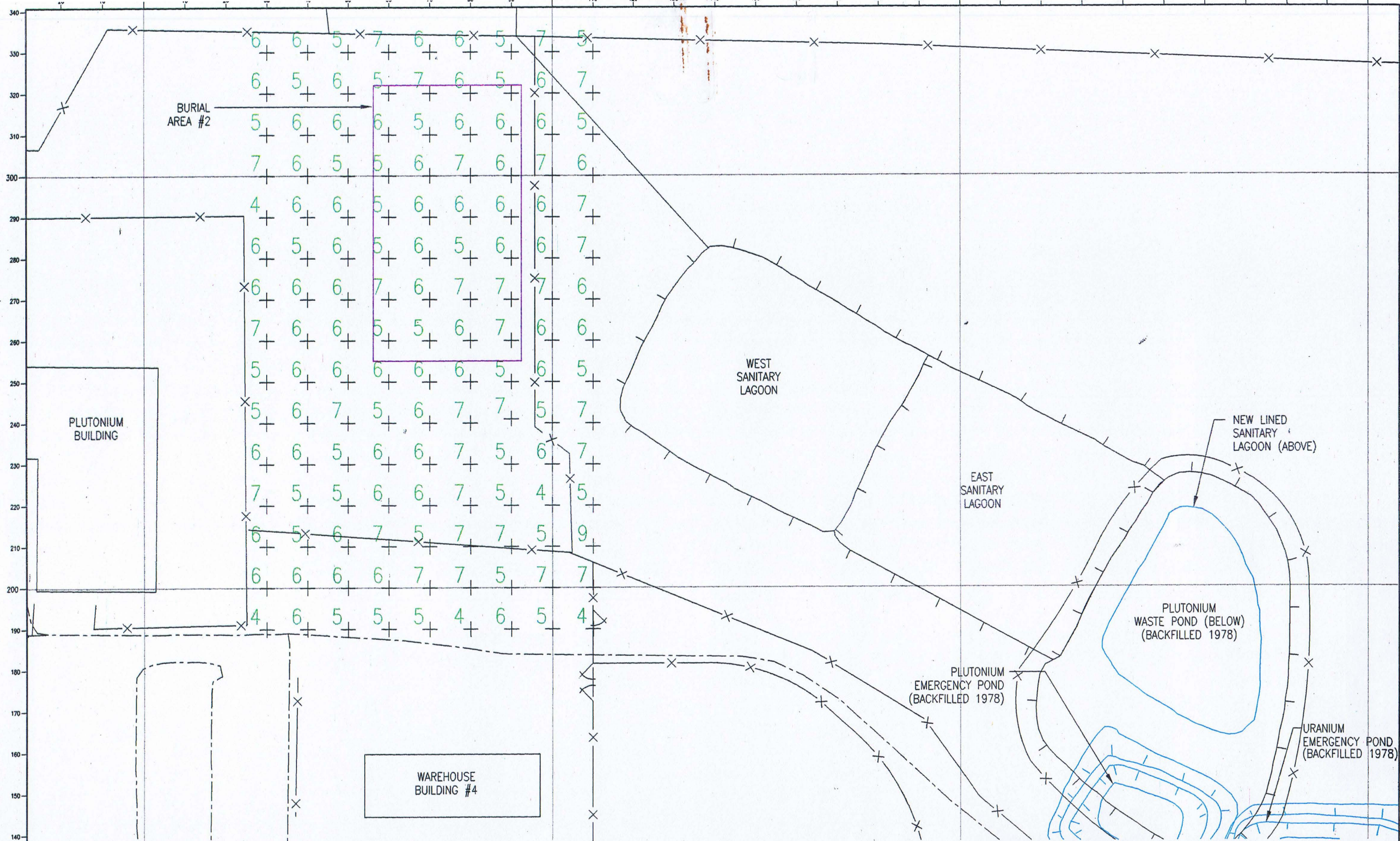




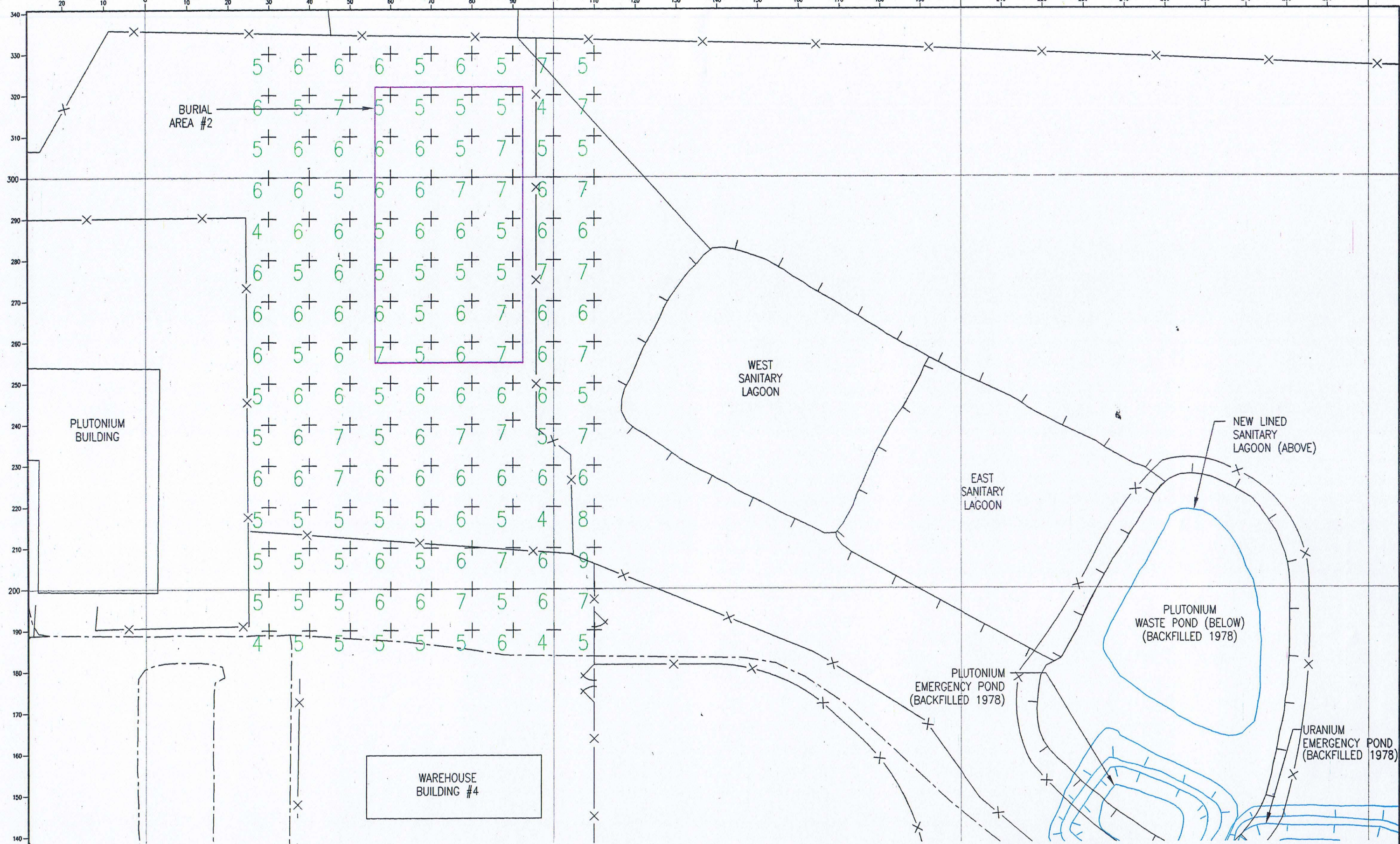




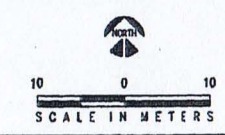


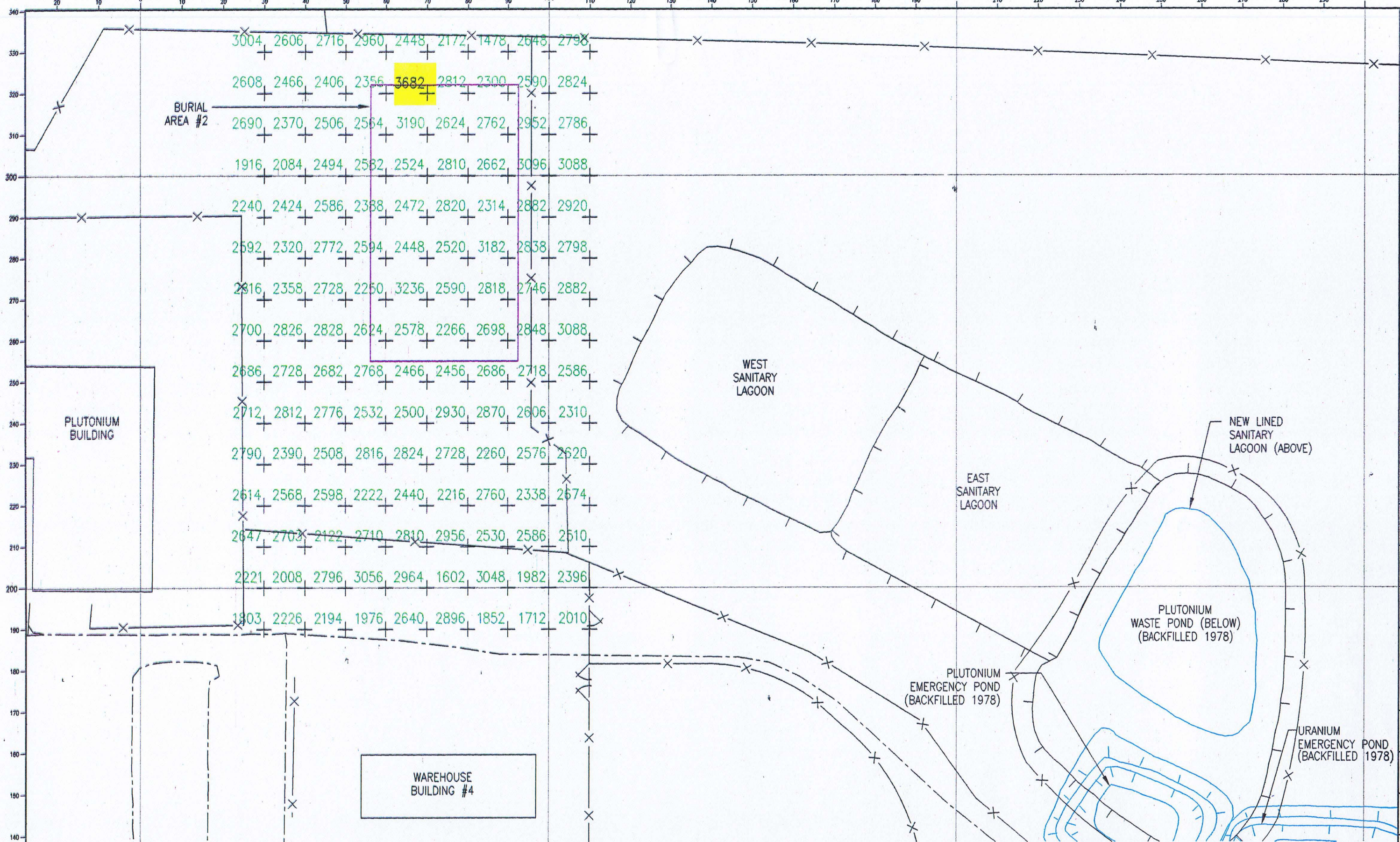


READINGS ARE IN MICRO-R/Hr. ($\mu R/Hr.$) INSTRUMENT: LUDLUM MICRO-R METER MODEL NO: 125 SERIAL NO: 9081 ESTABLISHED SITE BACKGROUND OF 7 $\mu R/Hr.$ NOT SUBTRACTED. SAMPLES TAKEN ON A 10 METER BY 10 METER GRID READINGS TAKEN BEFORE REMEDIATION.				CIMARRON CORPORATION CIMARRON FACILITY BURIAL GROUND NO. 2 PRE-REMEDIATION MICRO-R SURVEY (1990) AT LAND SURFACE CLIENT DRAWING NO.	
JOB NO. 90PRB2UR-0	DRAWING NO. 90PRB2UR-0	REV. A			

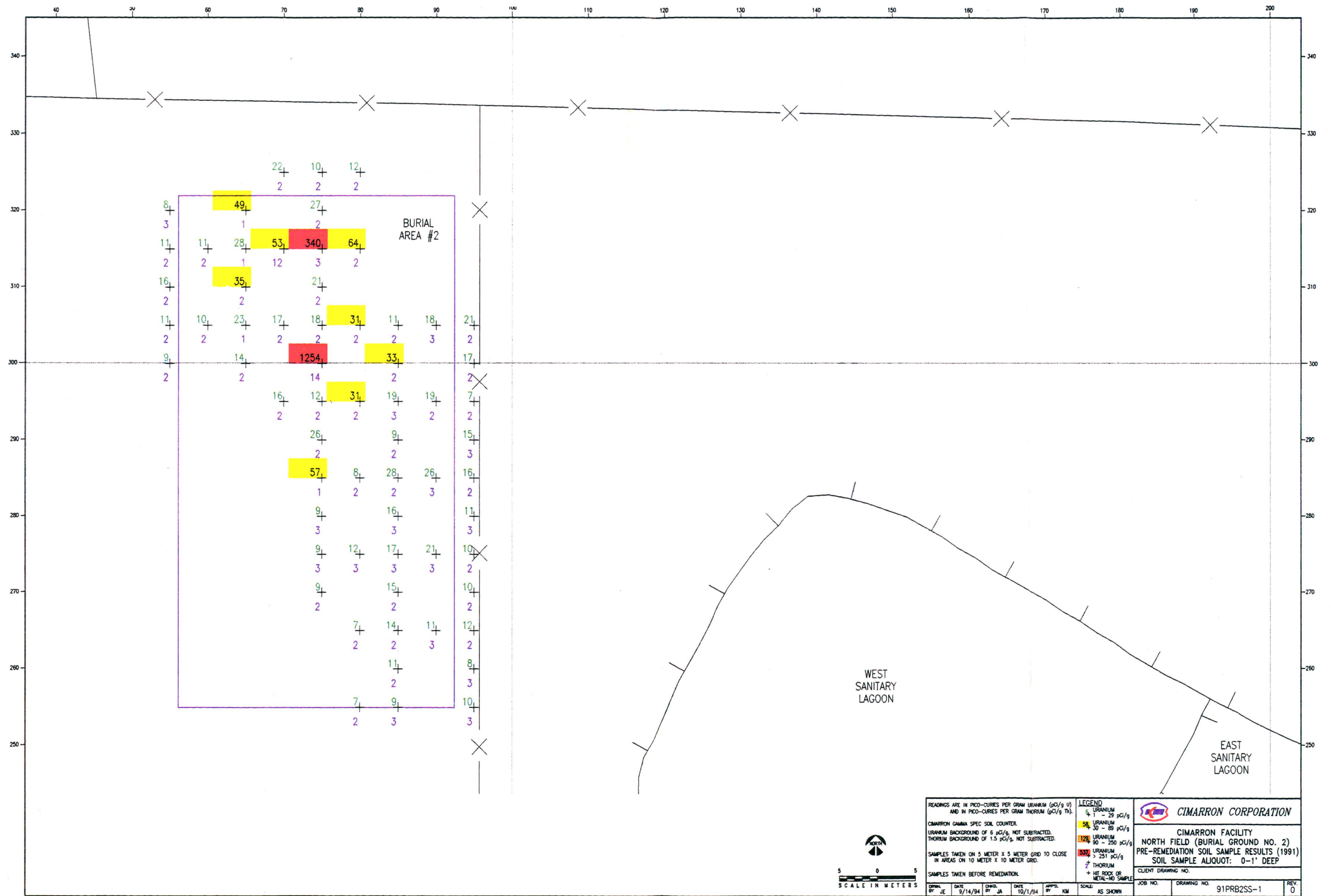


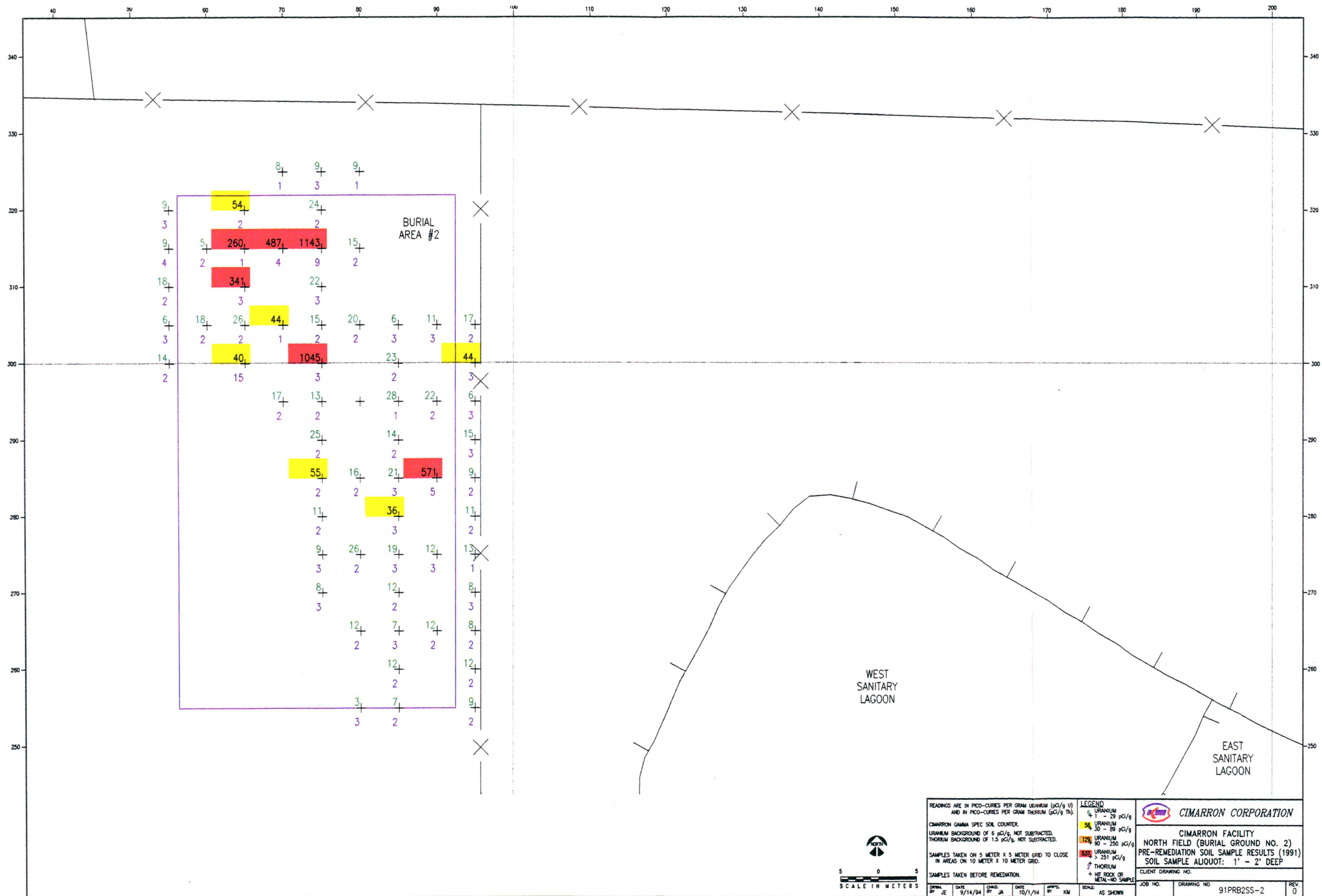
READINGS ARE IN MICRO-R/Hr. ($\mu\text{R/hr}$)				 CIMARRON CORPORATION			
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY			
MODEL NO: 125				BURIAL GROUND NO. 2			
SERIAL NO: 9081				PRE-REMEDIATION MICRO-R SURVEY (1990)			
ESTABLISHED SITE BACKGROUND OF 7 $\mu\text{R/hr}$. NOT SUBTRACTED.				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	

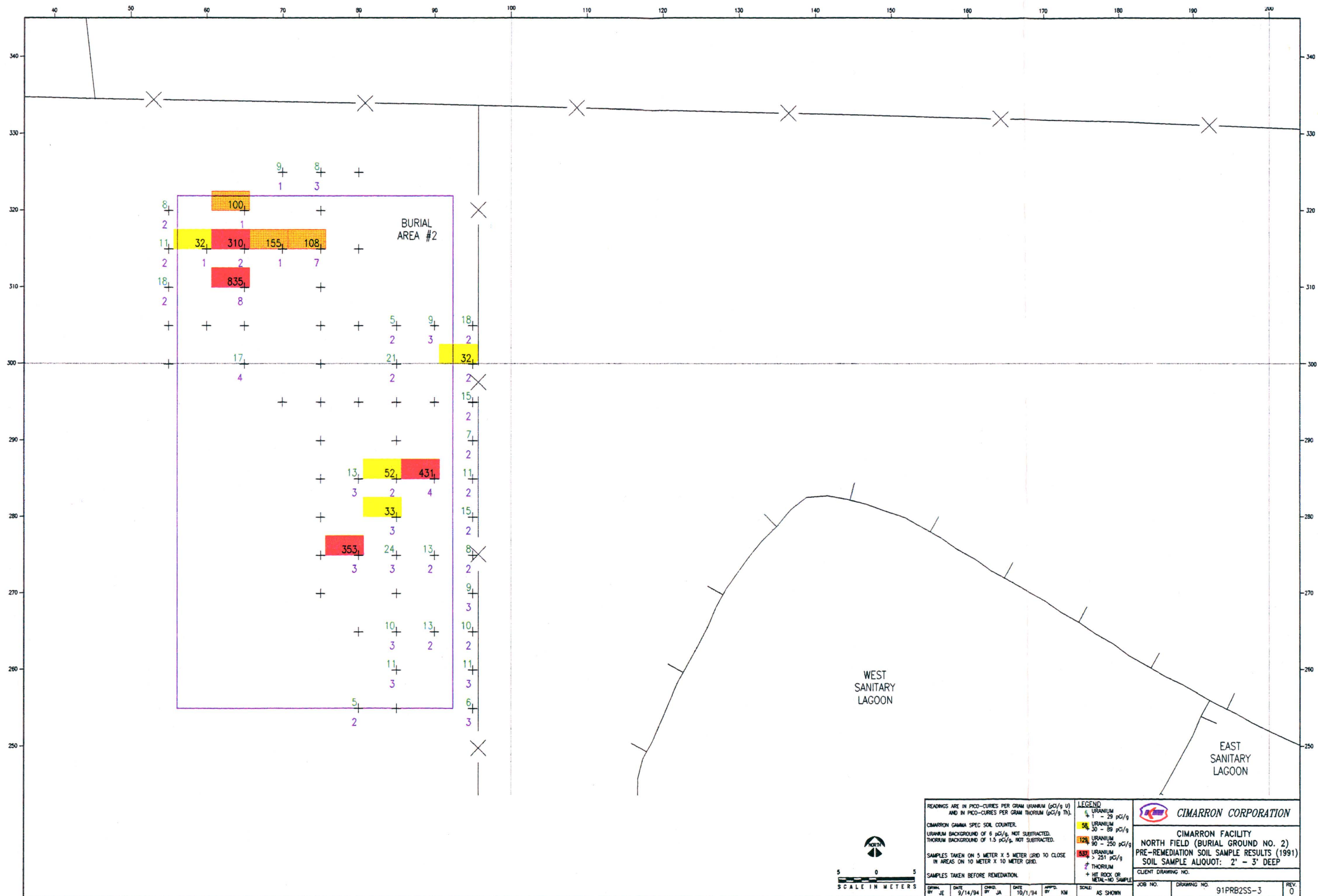


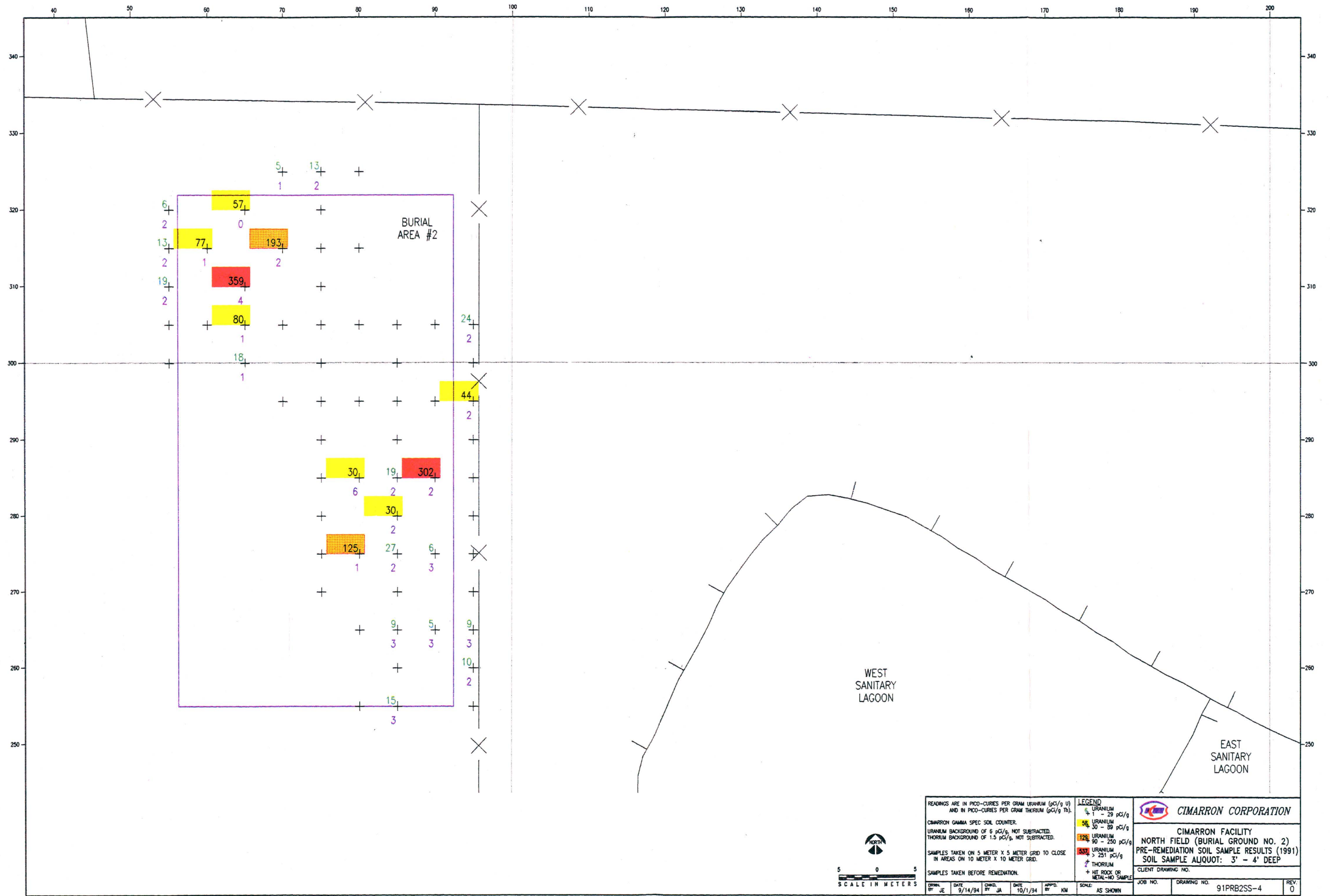


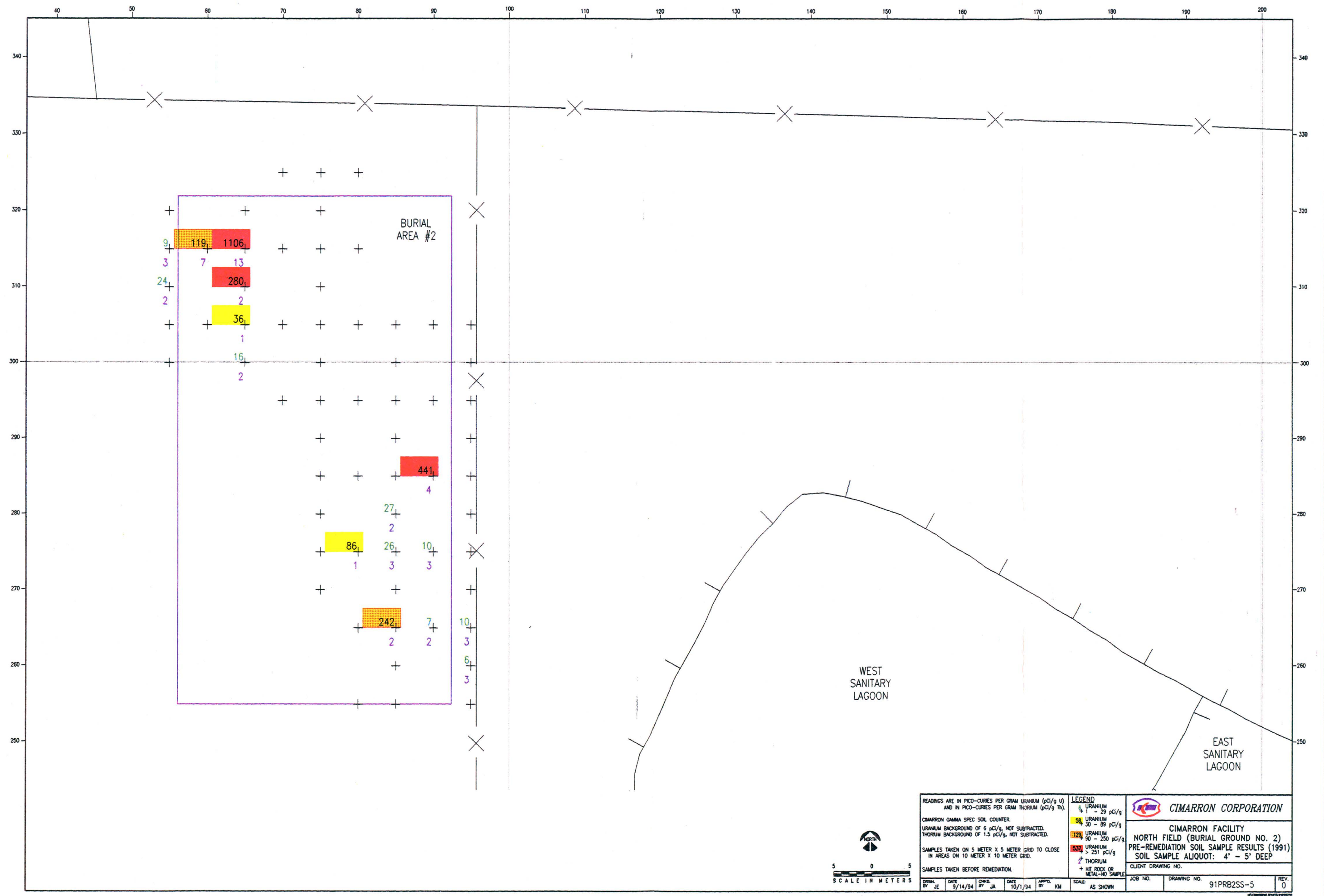
INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" x 1 1/2" NaI DETECTOR.		 CIMARRON CORPORATION	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		CIMARRON FACILITY BURIAL GROUND NO. 2 PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT DRAWING NO.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

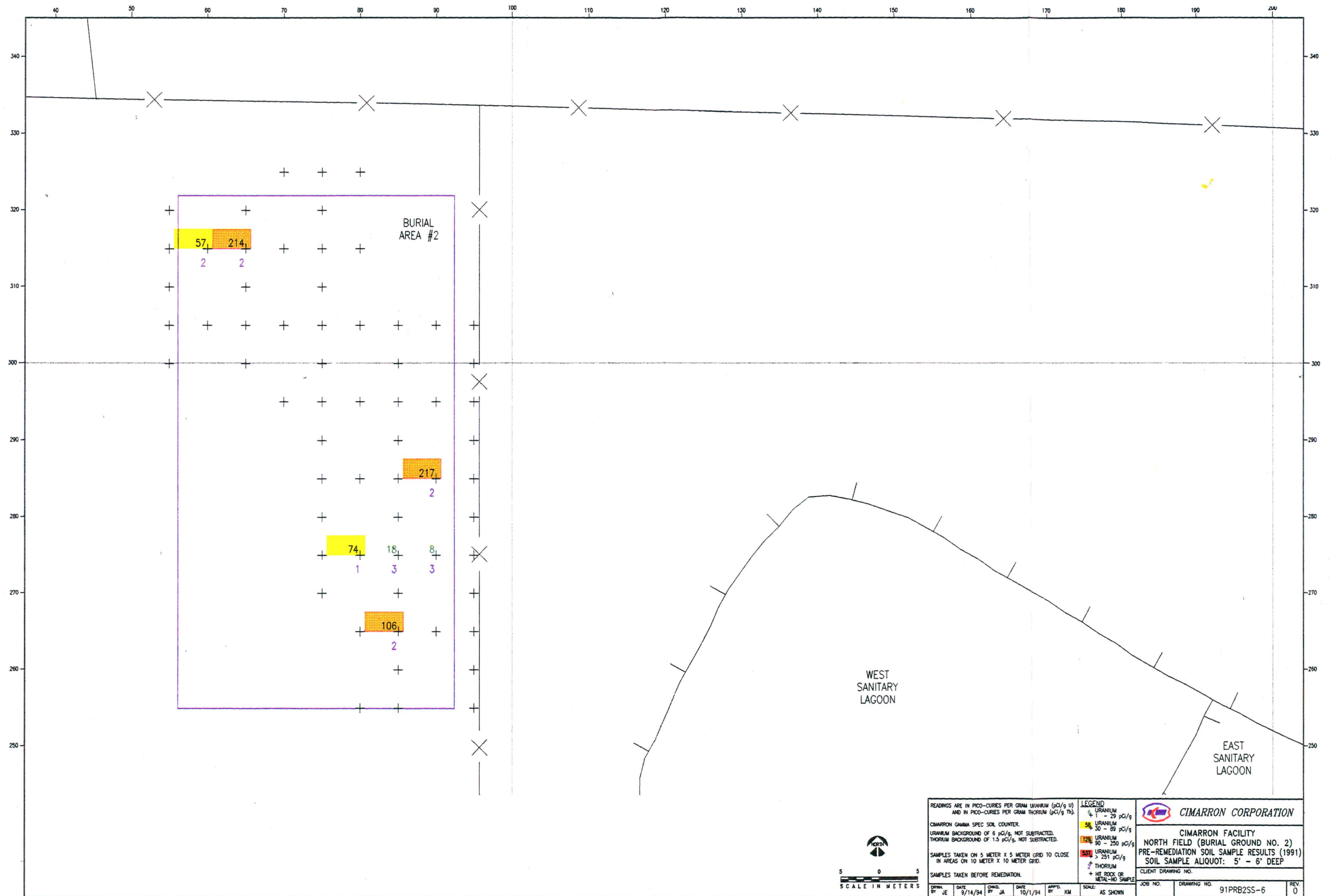


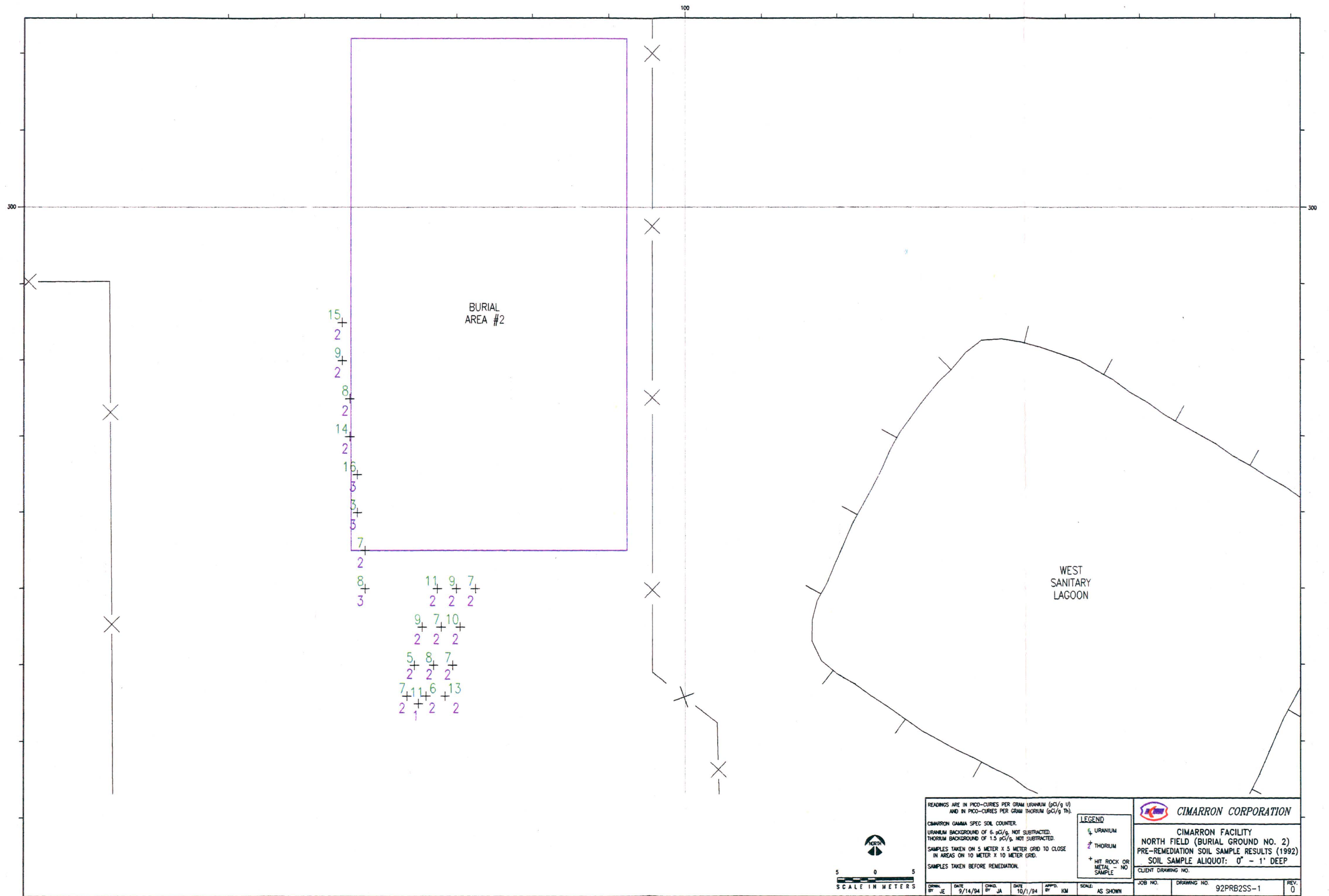












300

100

300

BURIAL
AREA #2

WEST
SANITARY
LAGOON

9
3
11
3
11
2
10
2
11
5
3
3
9
2
12
2
9 11 12
2 2 2
10 8 9
2 2 2
10 7 11
2 2 2
8 9 11 15
3 2 2 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.
SAMPLES TAKEN ON 5 METER X 5 METER GRID TO CLOSE
IN AREAS ON 10 METER X 10 METER GRID.
SAMPLES TAKEN BEFORE REMEDIATION.

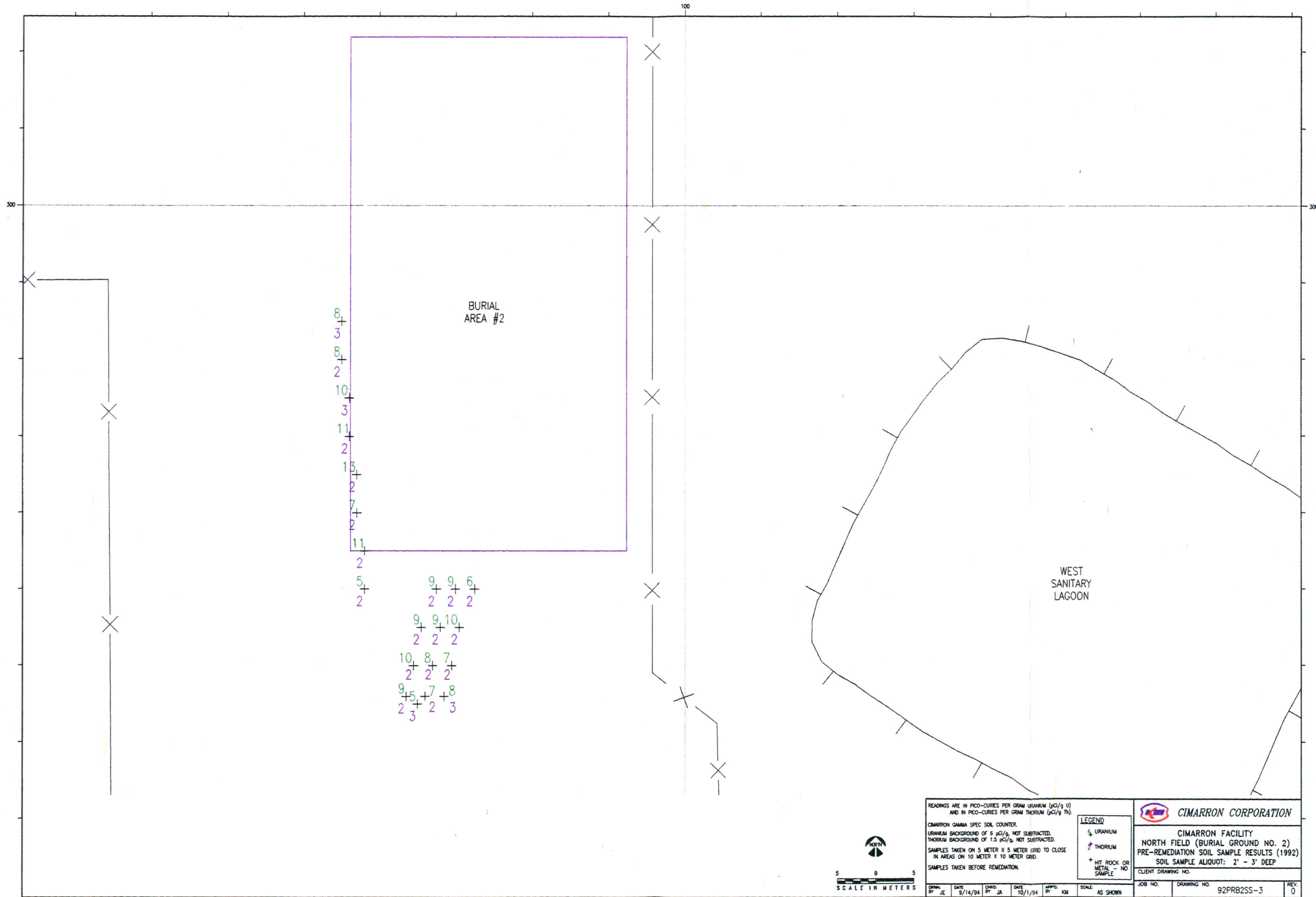
LEGEND
U URANIUM
Th THORIUM
+ HIT ROCK OR
METAL - NO
SAMPLE



CIMARRON CORPORATION

CIMARRON FACILITY
NORTH FIELD (BURIAL GROUND NO. 2)
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)
SOIL SAMPLE ALIQUOT: 1' - 2" DEEP
CLIENT DRAWING NO.

DRWN. BY	JE	DATE	9/14/94	CHKD. BY	JA	DATE	10/1/94	APPRD. BY	KM	SCALE	AS SHOWN	JOB NO.	DRAWING NO.	92PRB2SS-2	REV.	0
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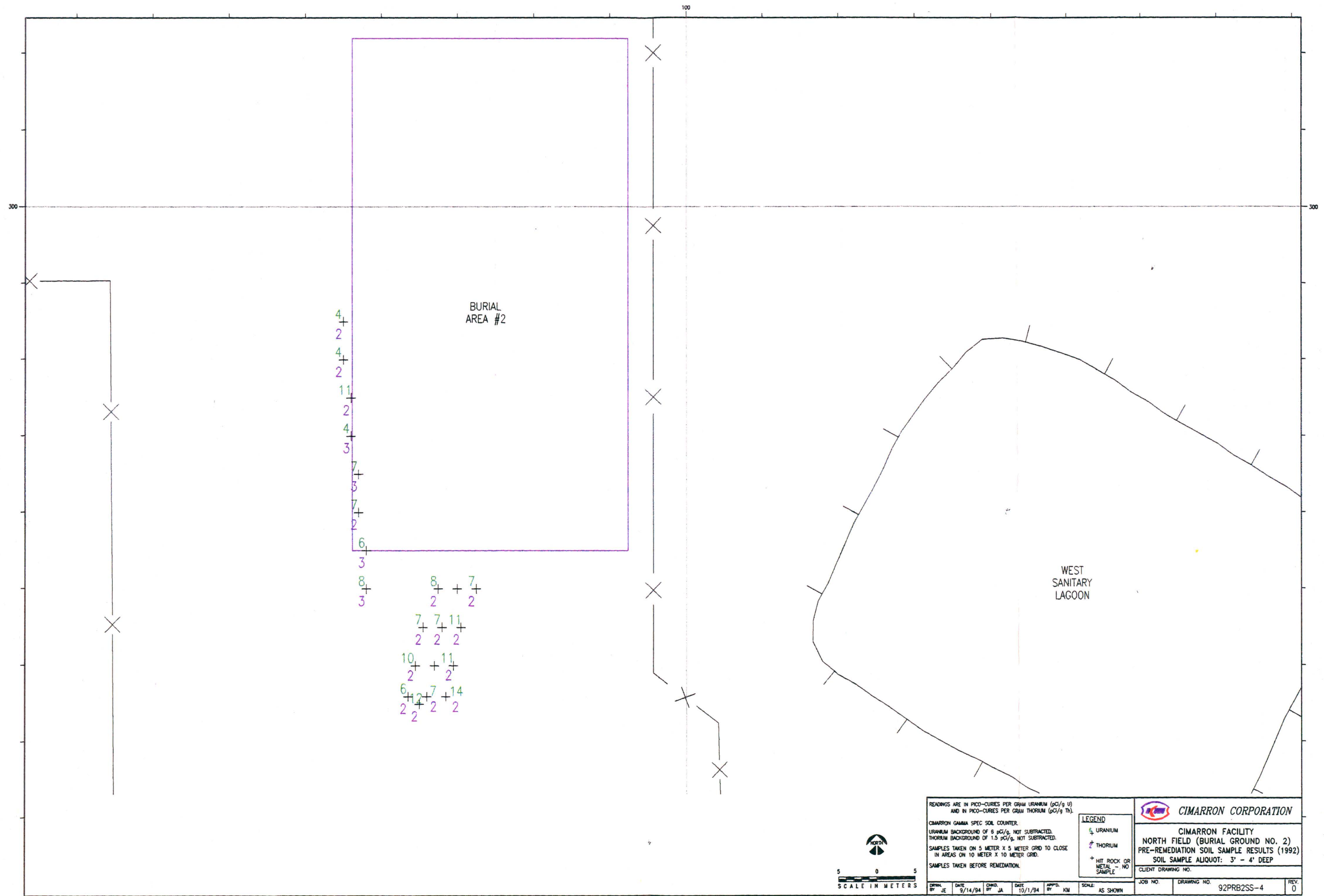
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U)
AND IN PICO-CURIES PER GRAM THORIUM (pCi/g Th).

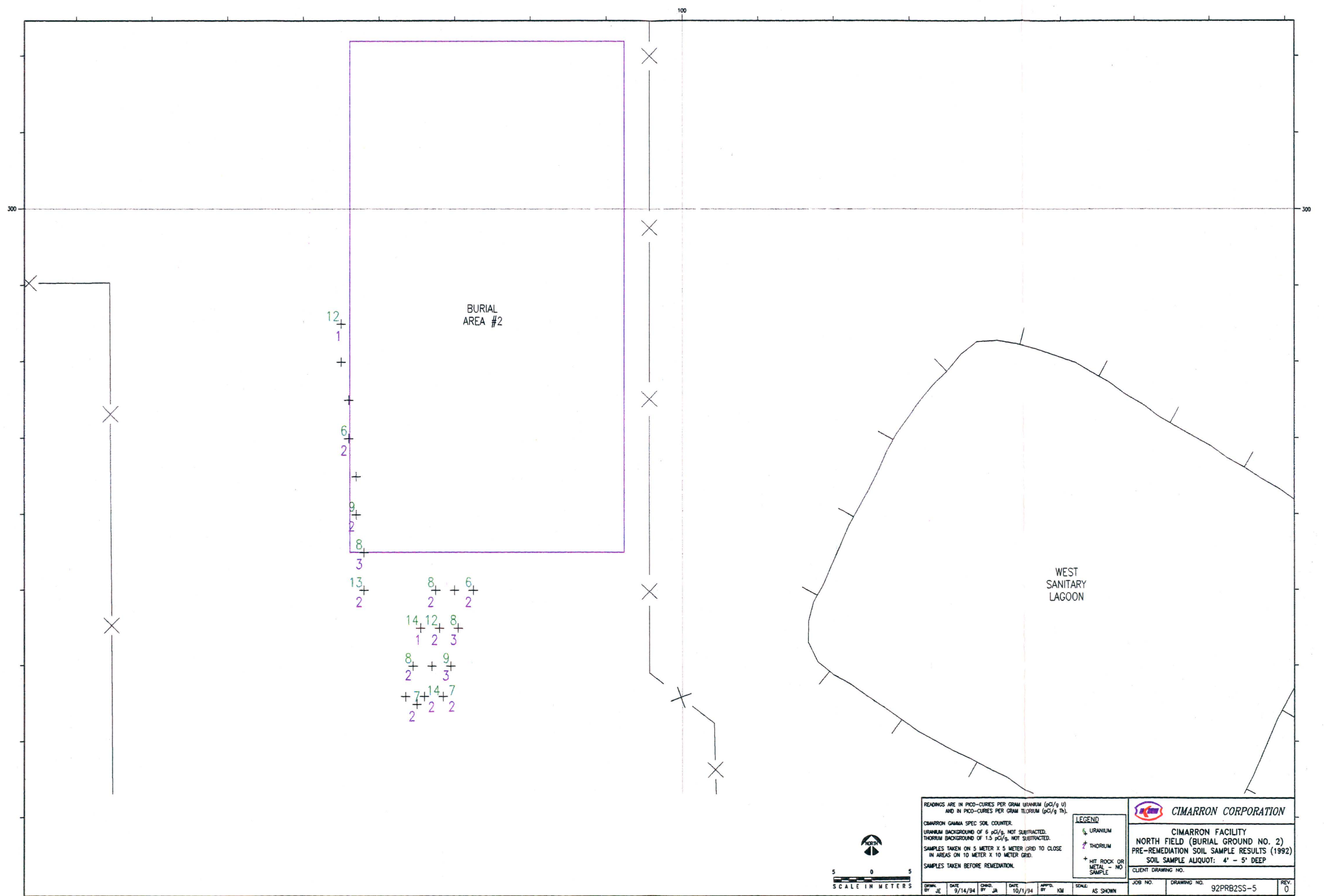
CIMARRON GAMMA SPEC SOIL COUNTER.
URANIUM BACKGROUND OF 6 pCi/g. NOT SUBTRACTED.
THORIUM BACKGROUND OF 1.5 pCi/g. NOT SUBTRACTED.
SAMPLES TAKEN ON 5 METER X 5 METER GRID TO CLOSE
IN AREAS ON 10 METER X 10 METER GRID.
SAMPLES TAKEN BEFORE REMEDIATION.

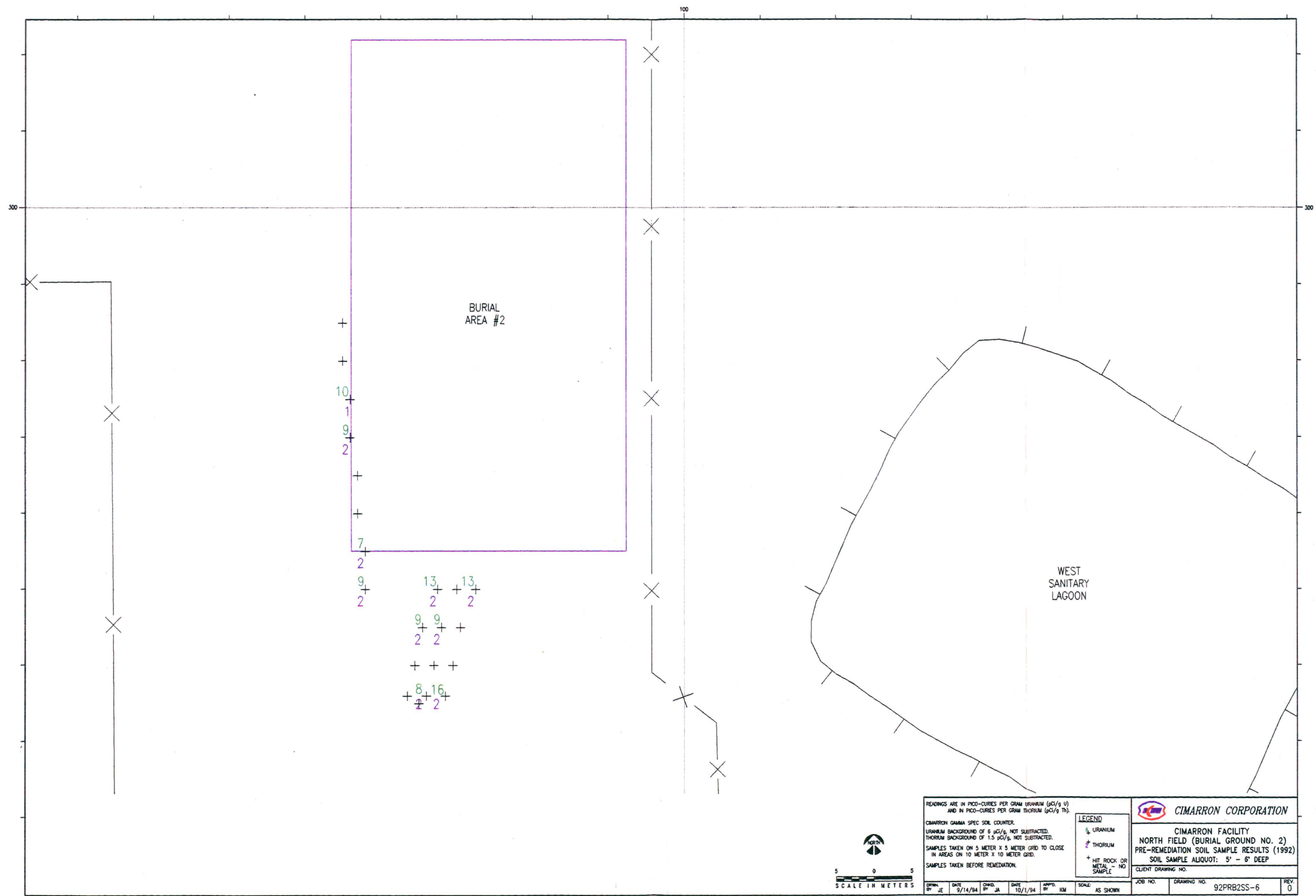
LEGEND
+ URANIUM
+ THORIUM
+ HIT ROCK OR METAL - NO SAMPLE

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

DATE	9/14/94	CHD.	BY	JA	DATE	10/1/94	APPD.	BY	KM	SCALE	AS SHOWN
DRWN.	BY	JE									
JOB NO.									DRAWING NO.	92PRB2SS-3	
REV.									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.

DATE 10/11/94
CHKD. BY JA
DATE 10/11/94
APPD. BY KM

SCALE AS SHOWN

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. 94POB2SS-0 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

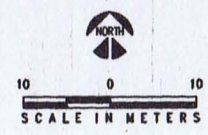
- 1 - 29 µR/Hr.
- 30 - 89 µR/Hr.
- 90 - 249 µR/Hr.

CIMARRON CORPORATION

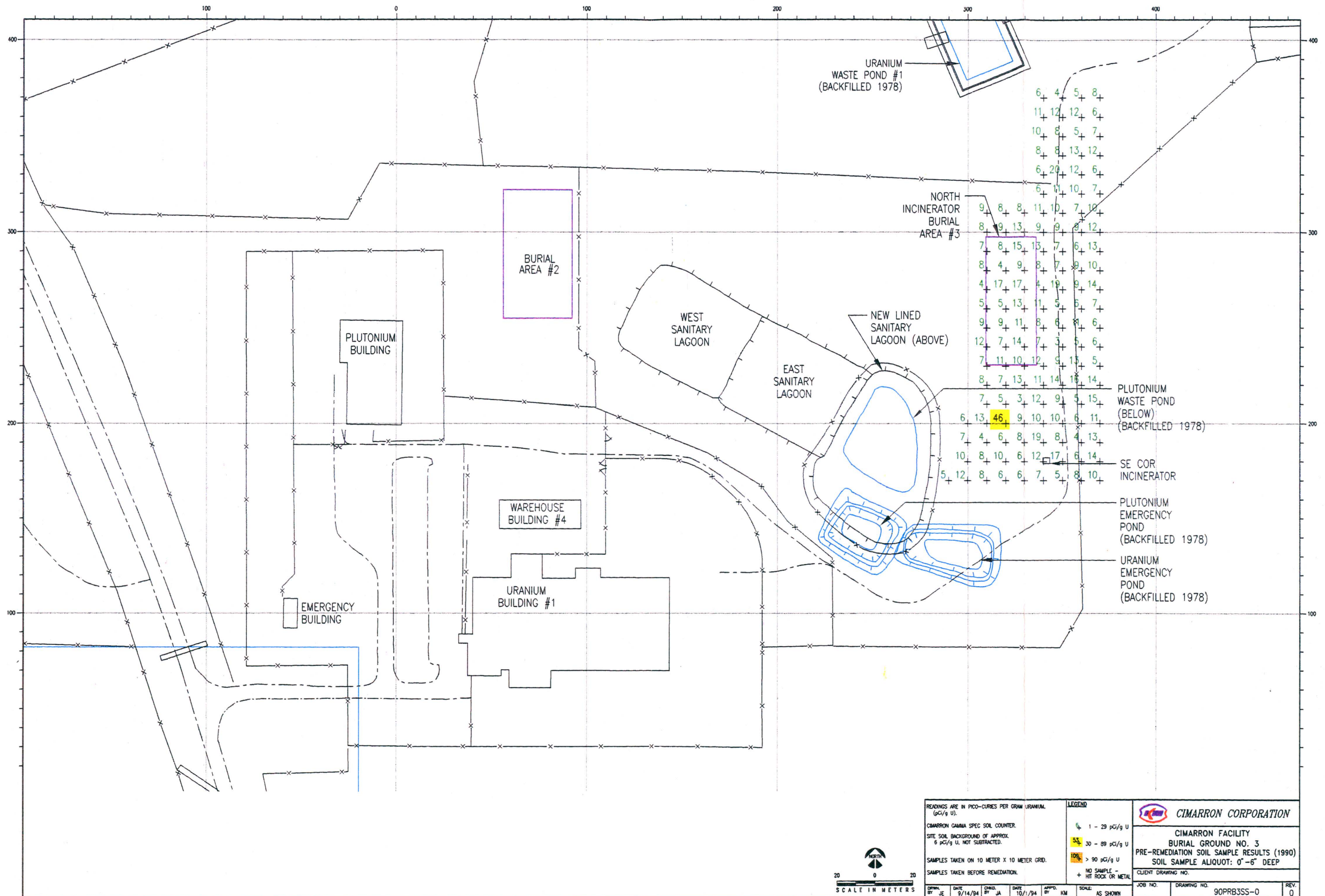
CIMARRON FACILITY
BURIAL GROUND NO. 2
POST-REMEDIATION MICRO-R SURVEY (1994)
AT ONE METER ABOVE SURFACE

CLIENT DRAWING NO.

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



INSTRUMENT: LUDLUM 2220 S/N 48395. LEAD-SHIELDED 3" X 1/2" NaI DETECTOR.				 CIMARRON CORPORATION	
BACKGROUND AVG. OF 3375.					
READINGS TAKEN ON A 5 METER X 5 METER GRID.				CIMARRON FACILITY BURIAL GROUND NO. 2 POST-REMEDIATION GAMMA SURVEY (1994) READINGS IN CPM (3" DET.)	
SAMPLES PERFORMED AFTER REMEDIATION.				CLIENT DRAWING NO.	
DRWN. BY	DATE	CHKD. BY	DATE	APPR. BY	SCALE
JE	10/11/94	JA	10/11/94	KM	AS SHOWN
JOB NO.				DRAWING NO. 94POB23D-0	
REV. ?					



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

SCALE: AS SHOWN

CIMARRON CORPORATION

CIMARRON FACILITY

BURIAL GROUND NO. 3

PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)

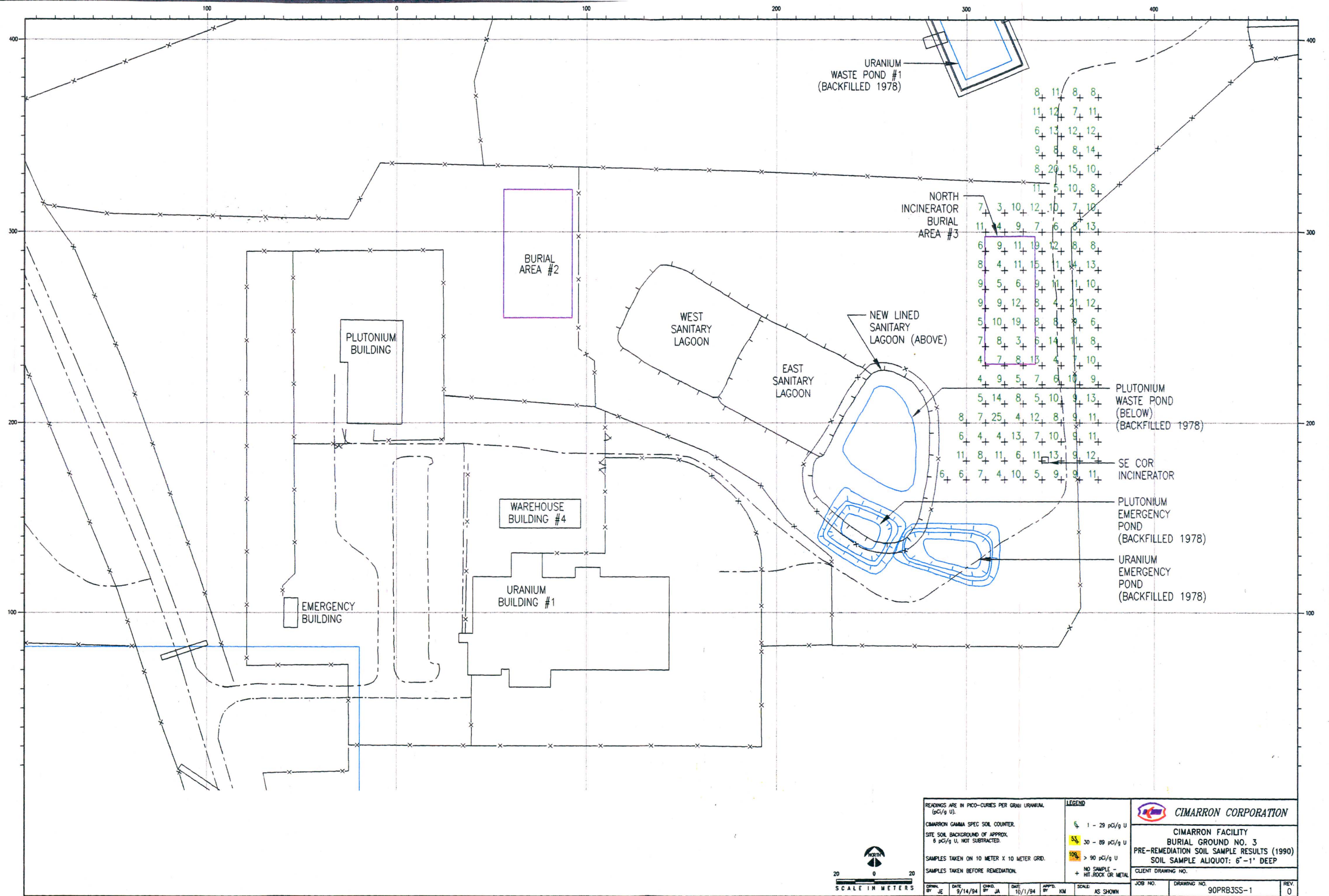
SOIL SAMPLE ALIQUOT: 0"-6" DEEP

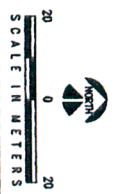
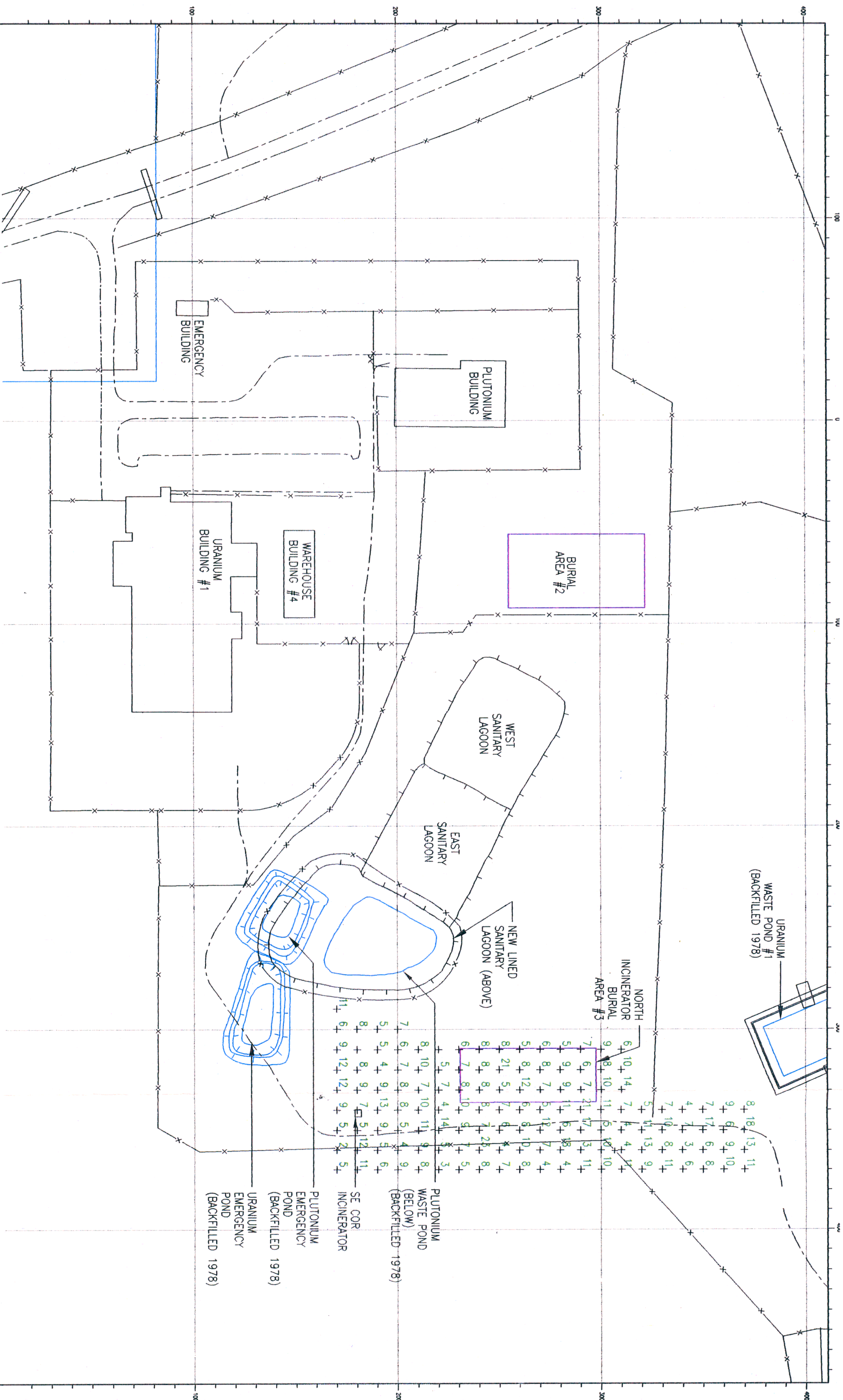
CLIENT DRAWING NO.

JOB NO.

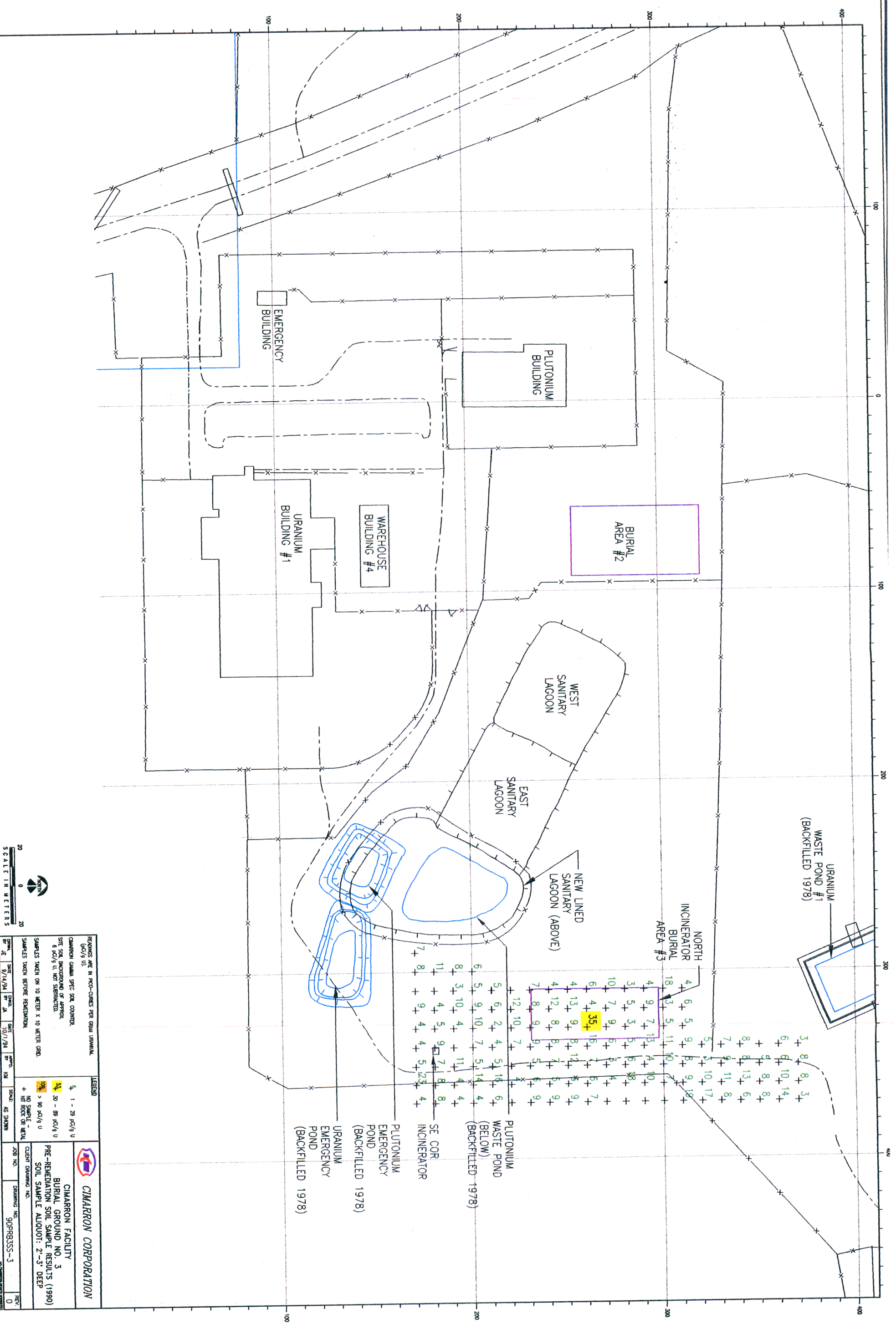
DRAWING NO. 90PRB3SS-0

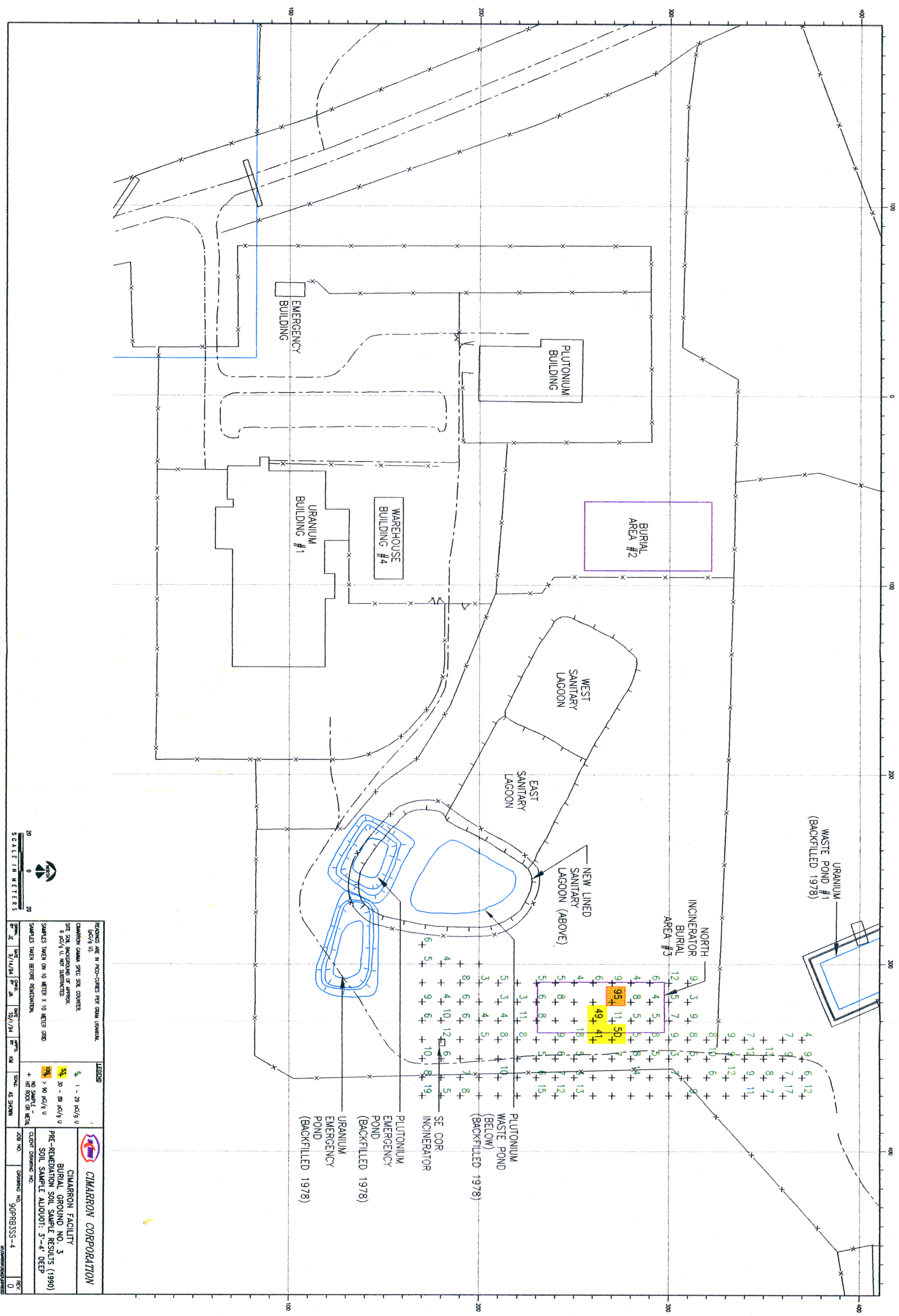
REV. 0

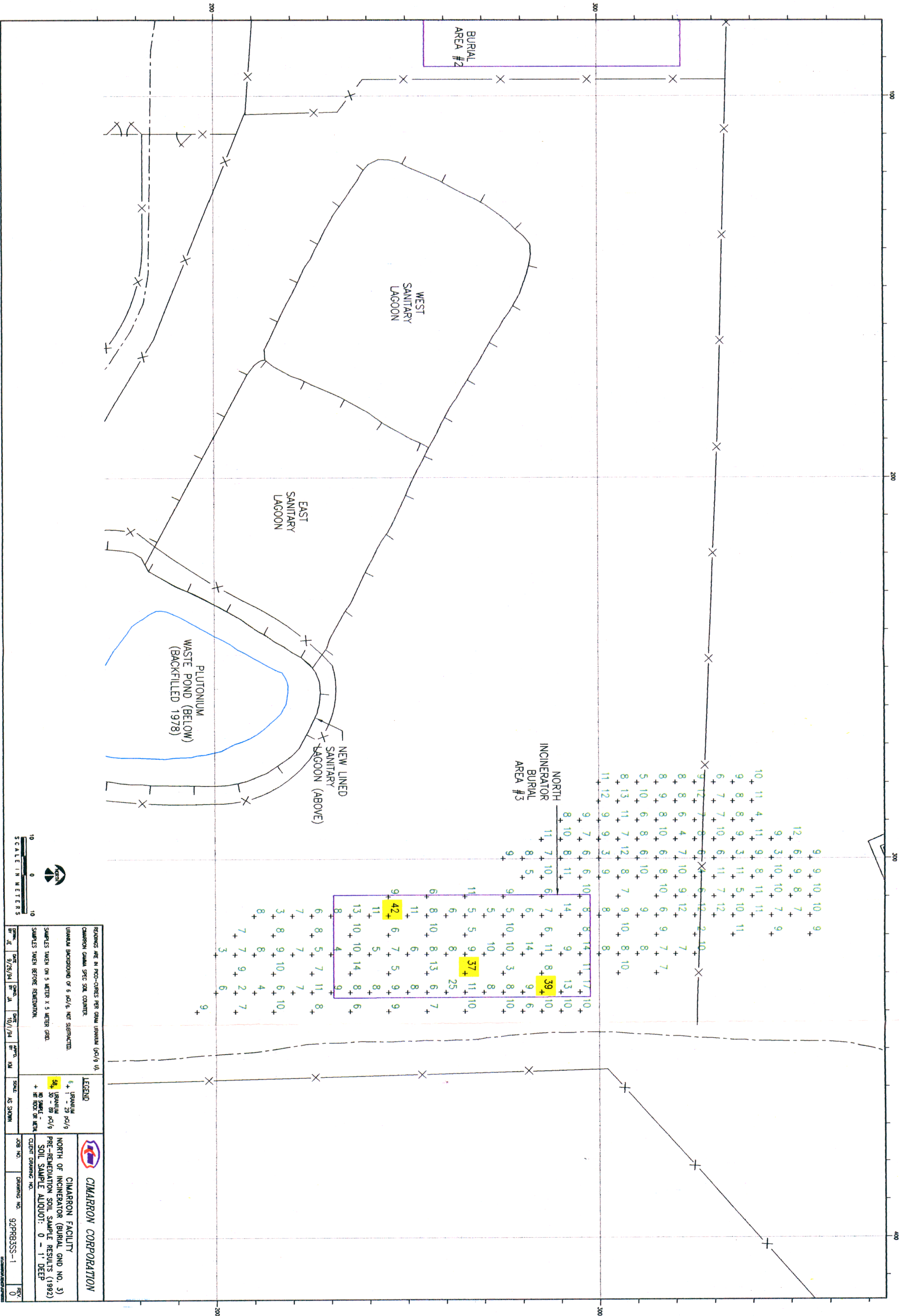


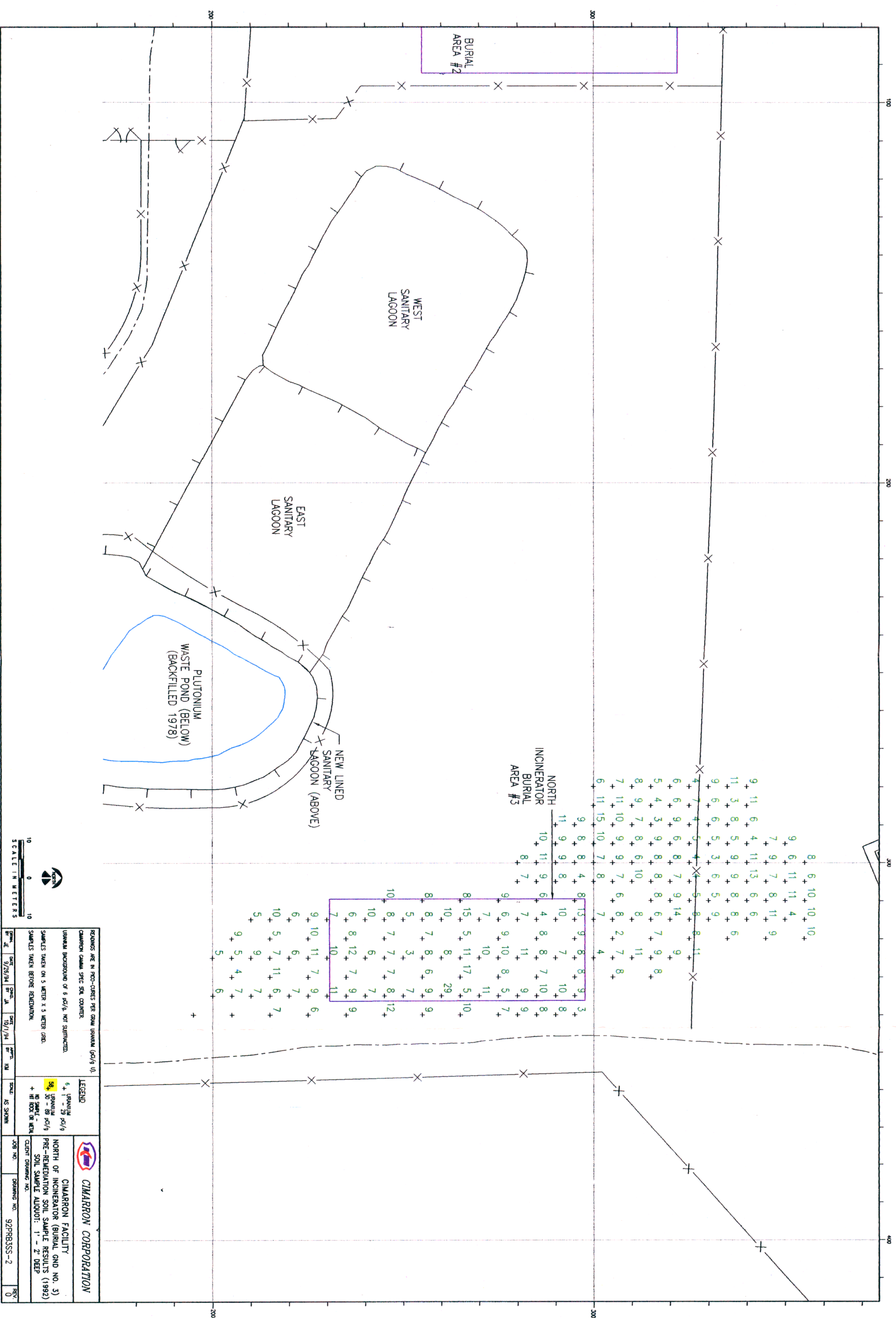


RECORDS ARE IN PPO-CUBES PER ORAL URANIUM (pCi/g U)				LEGEND			
CIMARRON GAMMA SPEC SOIL COUNTER				1 - 29 pCi/g U			
SITE SOIL BACKGROUND OF APPROX 6 pCi/g U, NOT SUBTRACTED				20 - 89 pCi/g U			
SAMPLES TAKEN ON 10 METER X 10 METER GRID				90+ pCi/g U			
SAMPLES TAKEN BEFORE REMEDIATION				NO SAMPLE - HIT ROCK OR METAL			
DATE	BY	SCALE	AS SHOWN	CIMARRON CORPORATION			
5/14/94	JA	10/1/94	100	BIMARRON FACILITY			
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)				BURIAL GROUND NO. 3			
SOIL SAMPLE ALLOUQT: 1'-2' DEEP				CLIENT DRAWING NO.			
JOB NO.				DRAWING NO.			
90PRB355-2				REV			
				0			









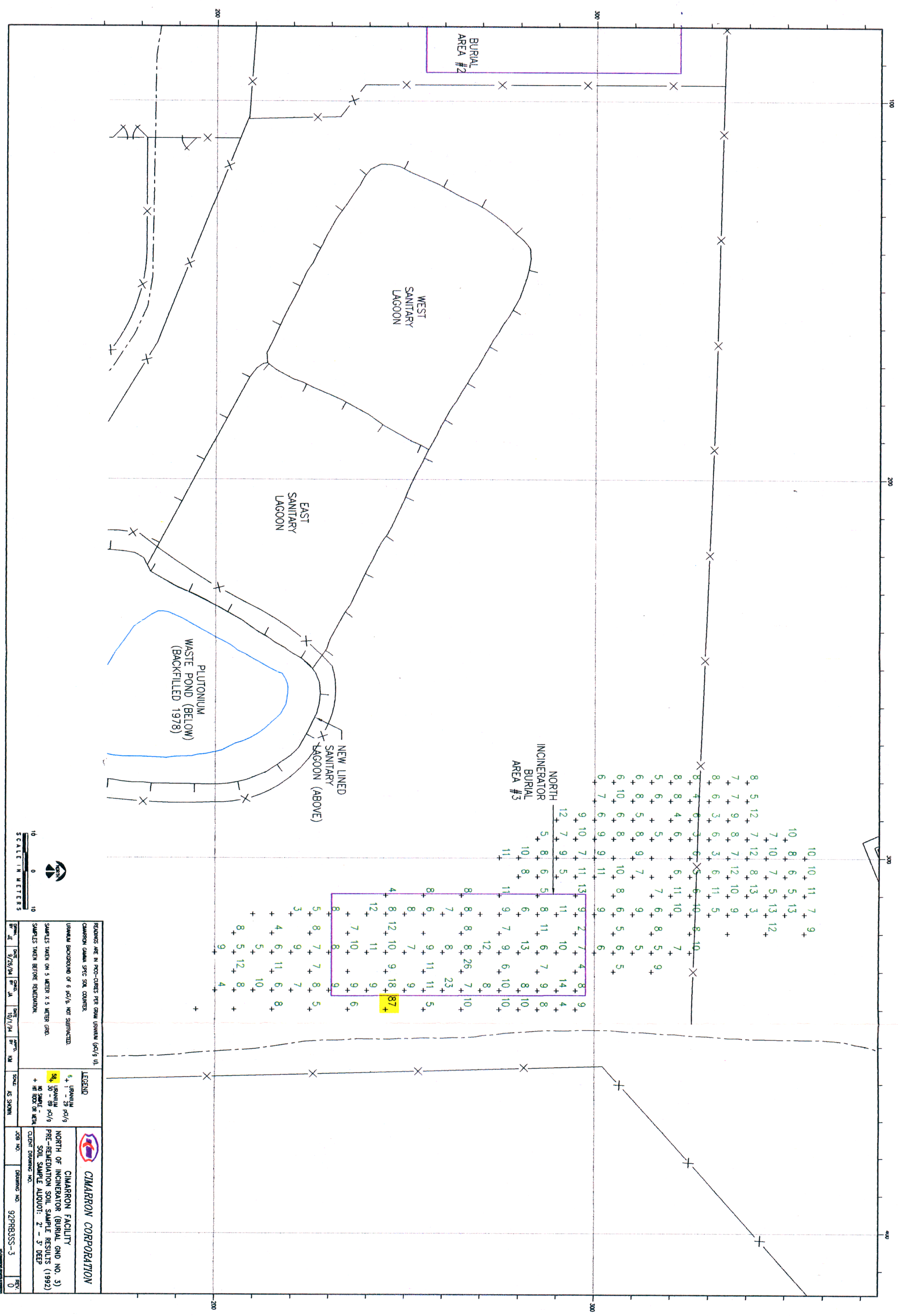
CIMARRON CORPORATION

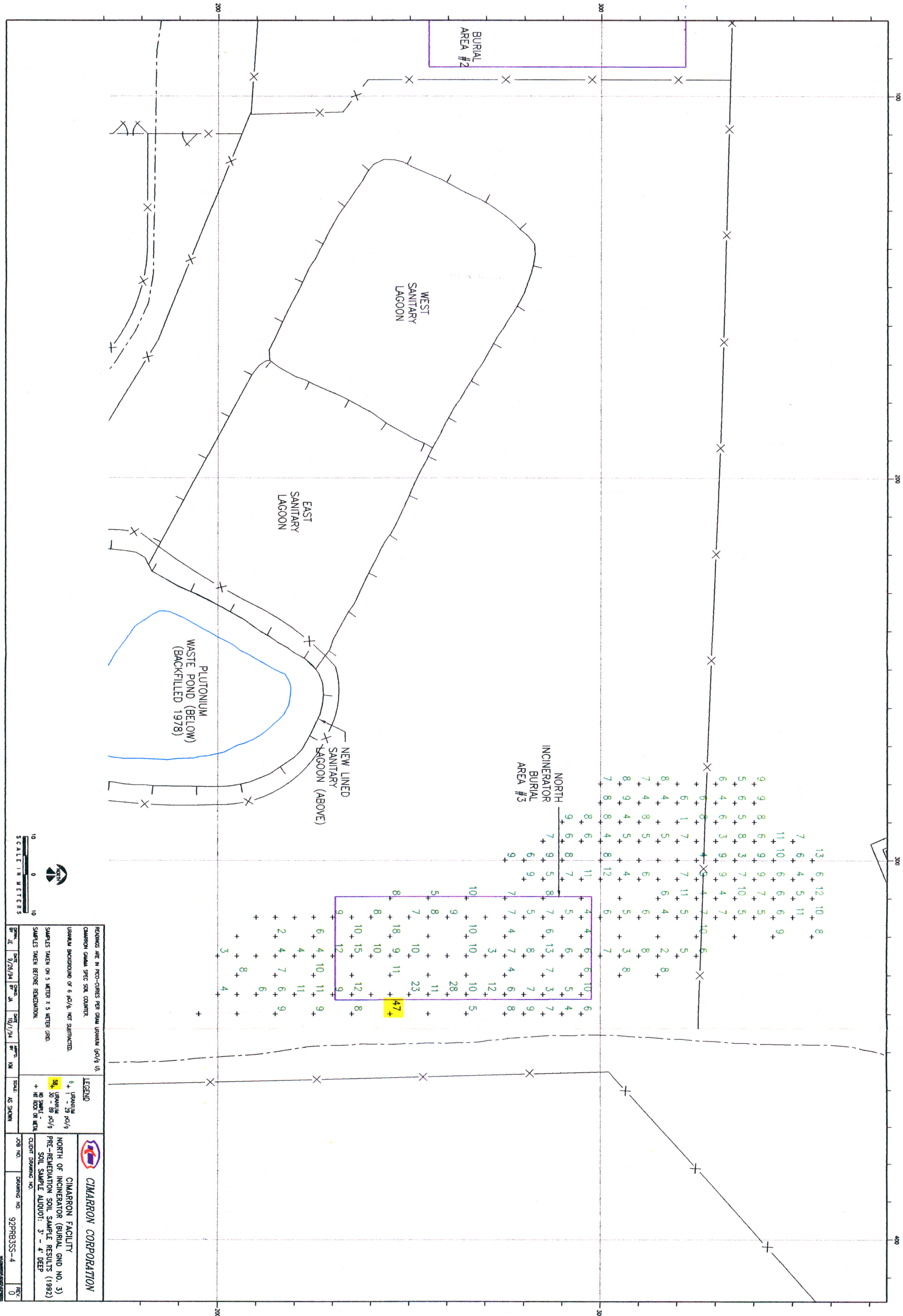
CIMARRON FACILITY

NORTH OF INCINERATOR (BORIAL GND NO. 3)
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)

SOIL SAMPLE ALBUQ: 1 - 2 DE

JOB NO.	DRAWING NO.	REV.
	92PRB3SS-2	0





RECORDS ARE IN PPO-COUNTS PER GRAM URANIUM (Gd/g) U.
CHARRON GAMMA SPEC SOIL COUNTER.

URANIUM BACKGROUND OF 6 pCi/g. NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

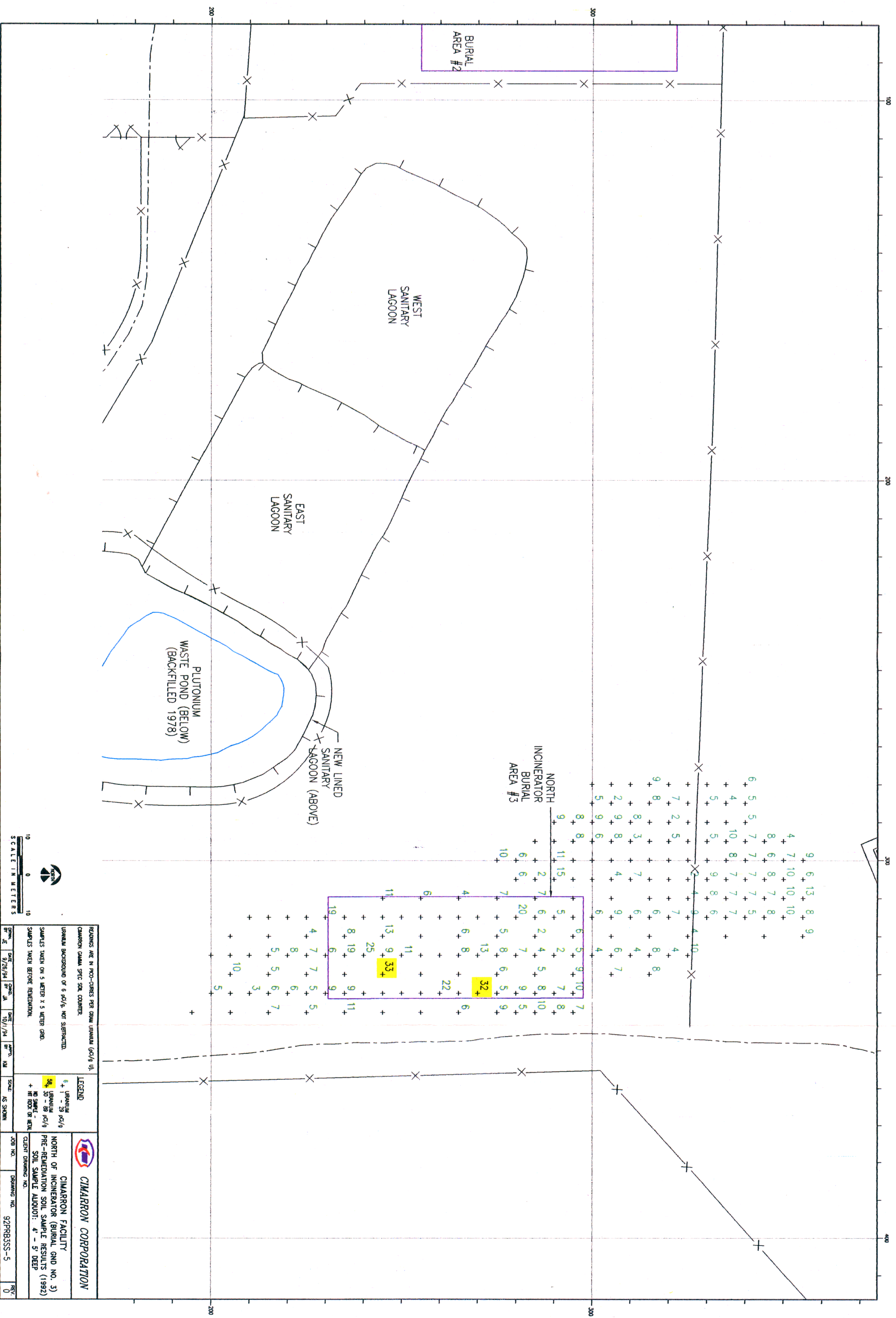
DATE 9/26/94 BY JA DATE 10/1/94 BY RM

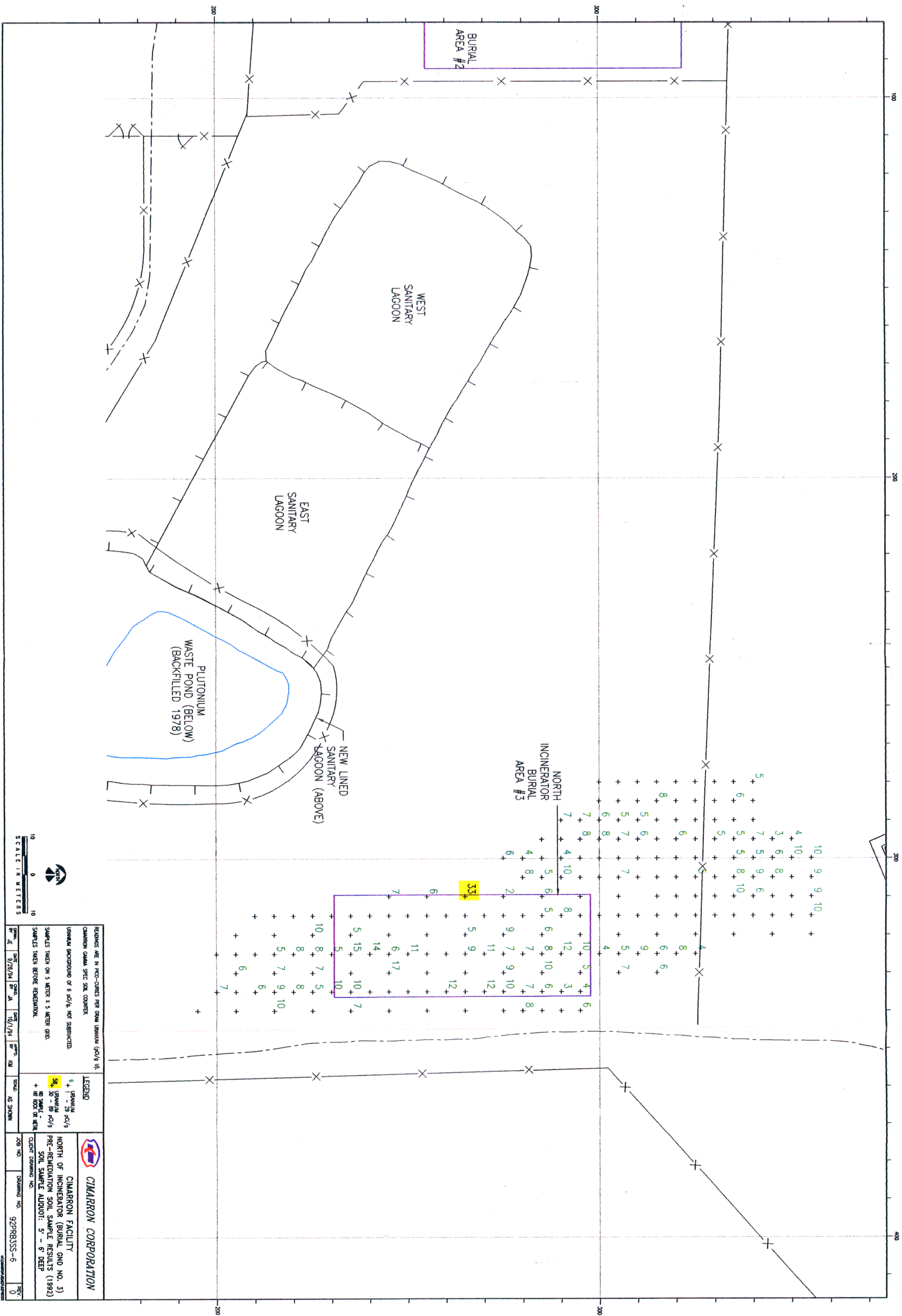
SCALE AS SHOWN

LEGEND
6+ URANIUM
25 pCi/g
50 - 99 pCi/g
NO SAMPLE -
+ IN ROCK OR BED

CIMARRON CORPORATION
NORTH OF INCINERATOR (BURIAL GND NO. 3)
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)
SOIL SAMPLE ALIQUOT: 3" - 4" DEEP
CLIENT DRAWING NO.

JOB NO. DRAWING NO. 92PRB3SS-4
REV. 0







SCALE IN METERS

10 0 10

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

CHARRON GAMMA SPEC SOIL COUNTER.

USUAL BACKGROUND OF 6 pCi/g. NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

SAMPLES TAKEN BEFORE REMEDIATION.

LEGEND

5+ URANIUM
1 - 29 pCi/g

5g, 30 - 89 pCi/g

NO SAMPLE -
+ HIT ROCK OR BERM

CIMARRON CORPORATION

NORTH OF INCINERATOR (BURIAL GND NO. 3)

PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)

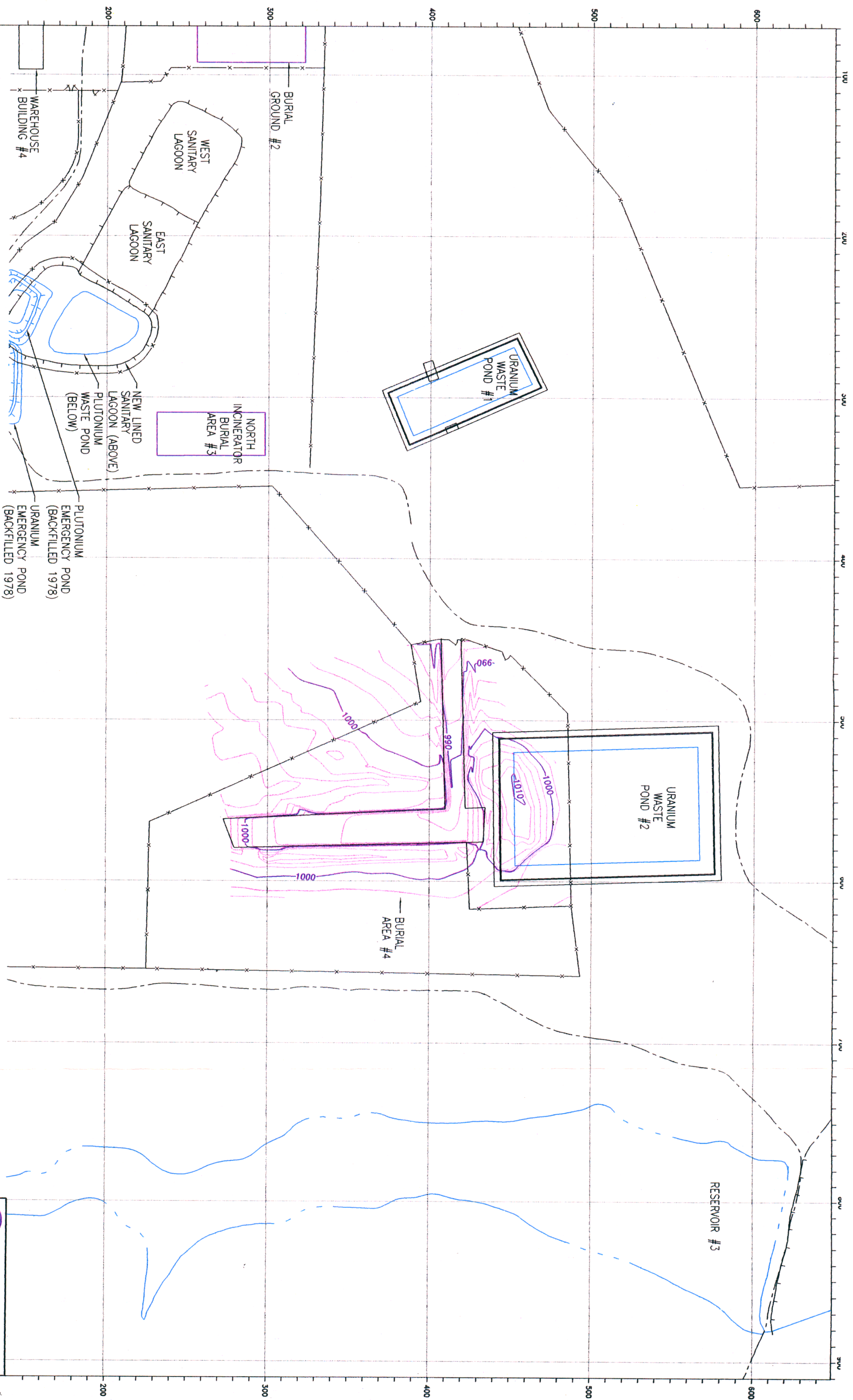
SOIL SAMPLE ALIQUOT: 5" - 6" DEEP

CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 92PRB355-6

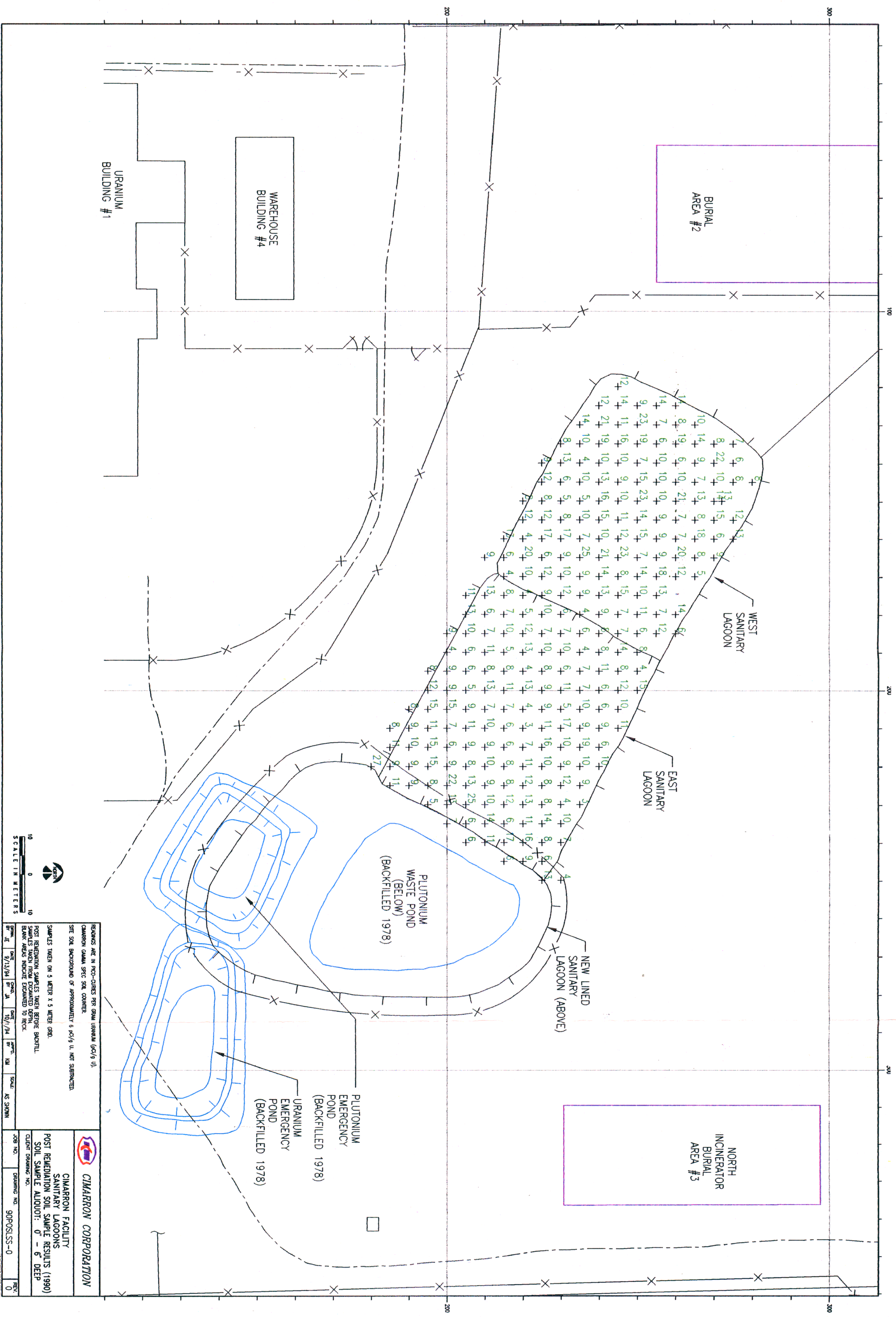
REV. 0

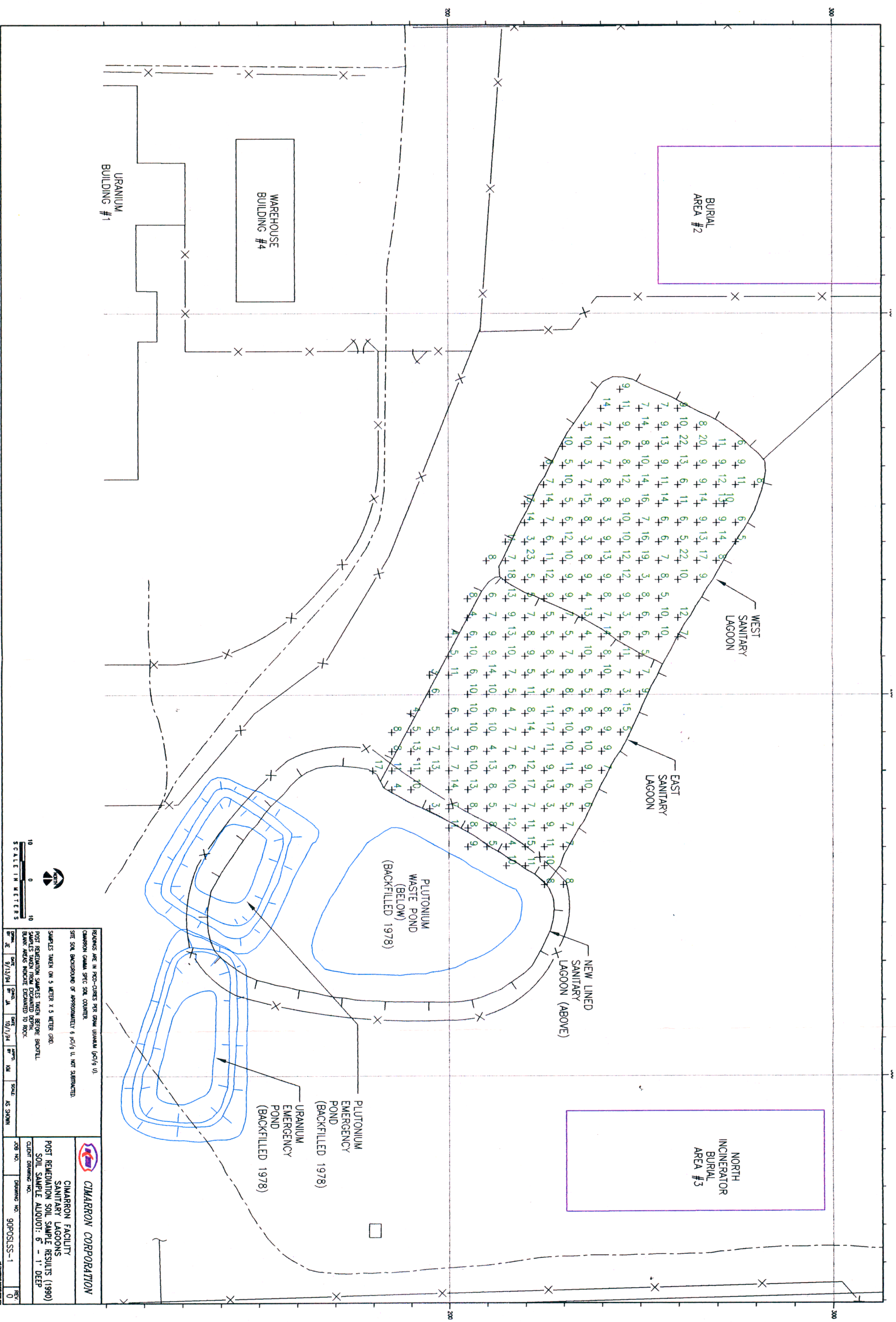


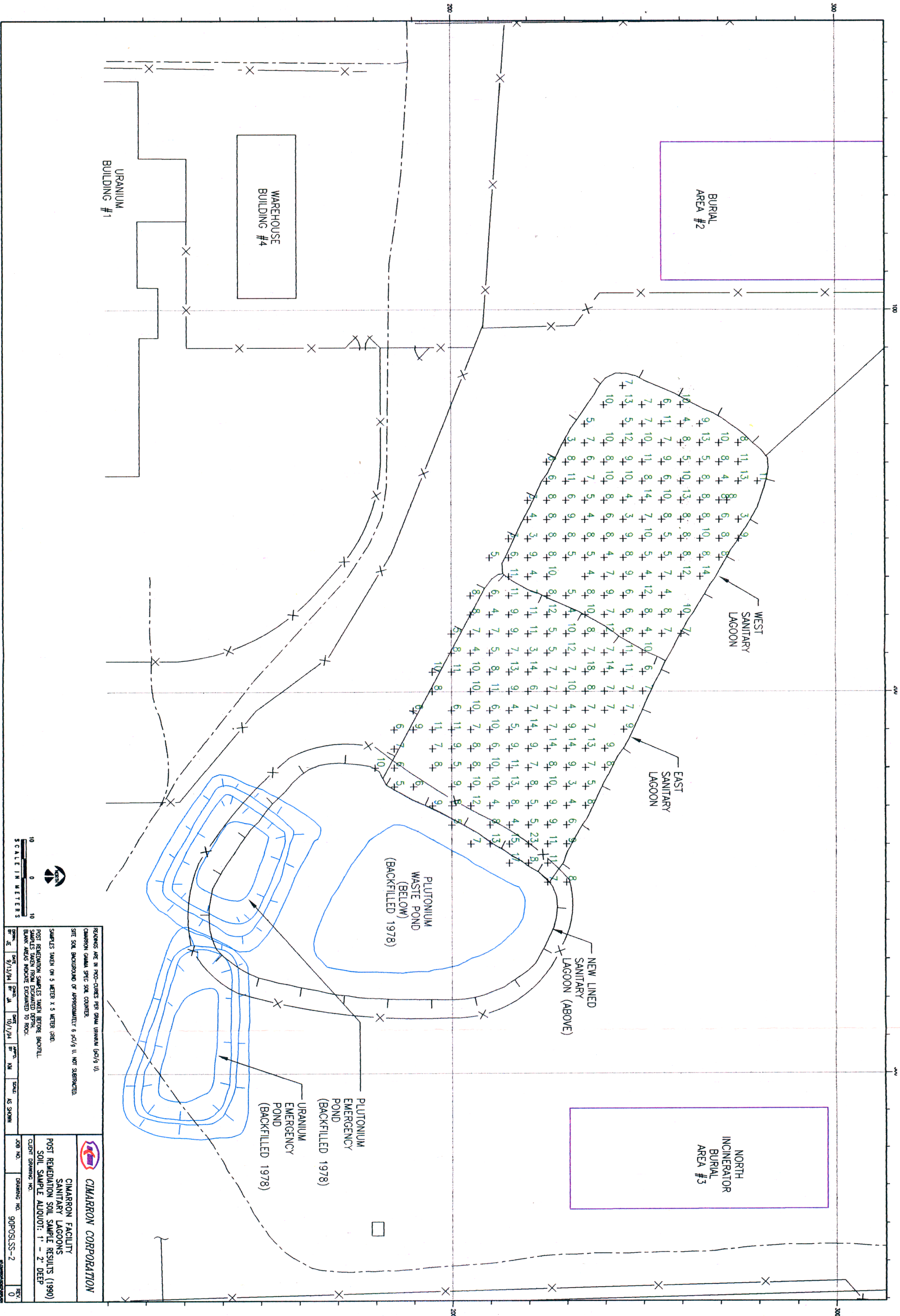
SCALE IN METERS
0 25 25

NOTE:
SURVEY BY R.E. HEINZ & ASSOCIATES (MAY 1994)
DATE 9/23/94 BY J.E. JMK
DATE 10/1/94 BY J.E. JMK
SCALE AS SHOWN

CIMARRON CORPORATION
CIMARRON FACILITY
SURVEY OF BURIAL GROUND #4 (1994)
CRESCENT, OKLAHOMA
JOB NO. DRAWING NO. 94MOB4-TP1
REV. 0







REVISIONS ARE IN PENCIL-QUOTES PER GRAM URANIUM (g/g U).
CARBON 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.

REV	DATE	BY	APP'D	SCALE	AS SHOWN
1	9/13/94	JA	10/1/94	10'	AS SHOWN

CIMARRON CORPORATION

CIMARRON FACILITY

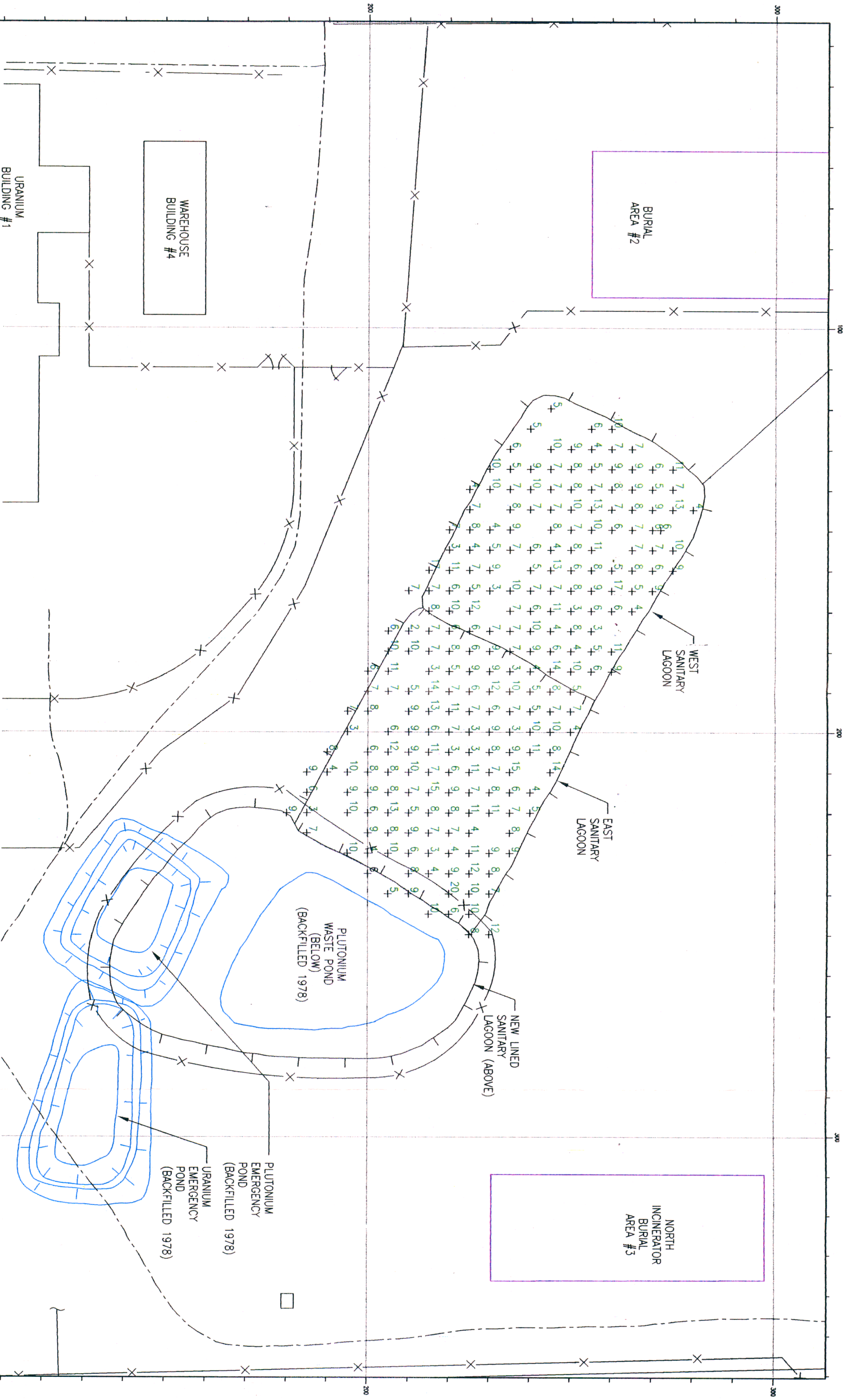
SANITARY LAGOONS

POST REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALIQUOT: 1' - 2' DEEP

CUSTOMER NO. 90POSTSS-2

DRAWING NO. 0



CIMARRON CORPORATION

CIMARRON FACILITY

SANITARY LAGOONS

POST REMEDIATION SOIL SAMPLE RESULTS (1990)

SOIL SAMPLE ALLOQUOT: 2' - 3' DEEP

CLIENT DRAWING NO. 90POSLS-3

DRAWING NO. 90POSLS-3

REV. 0

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.

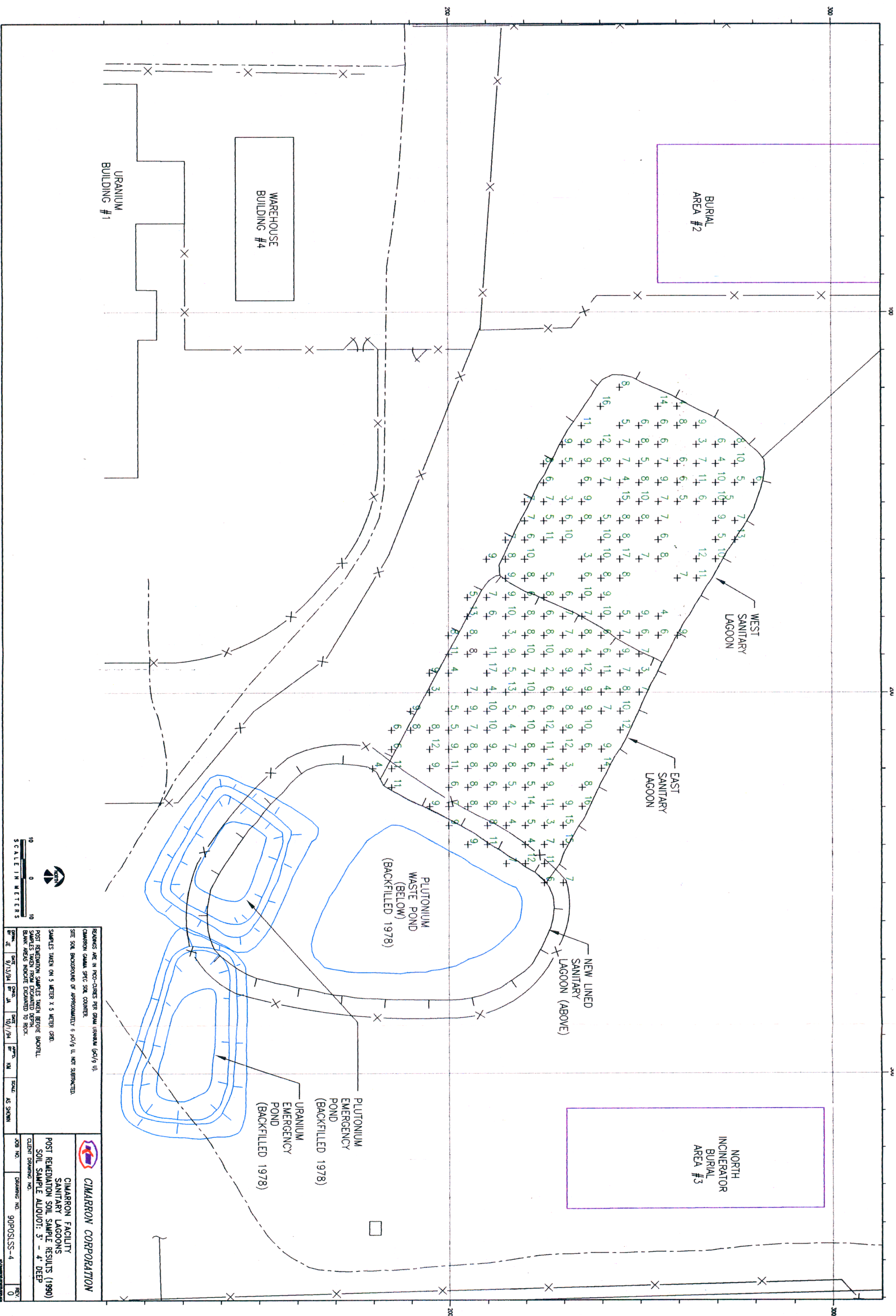
SAMPLES TAKEN ON 5 METER X 5 METER GRID.

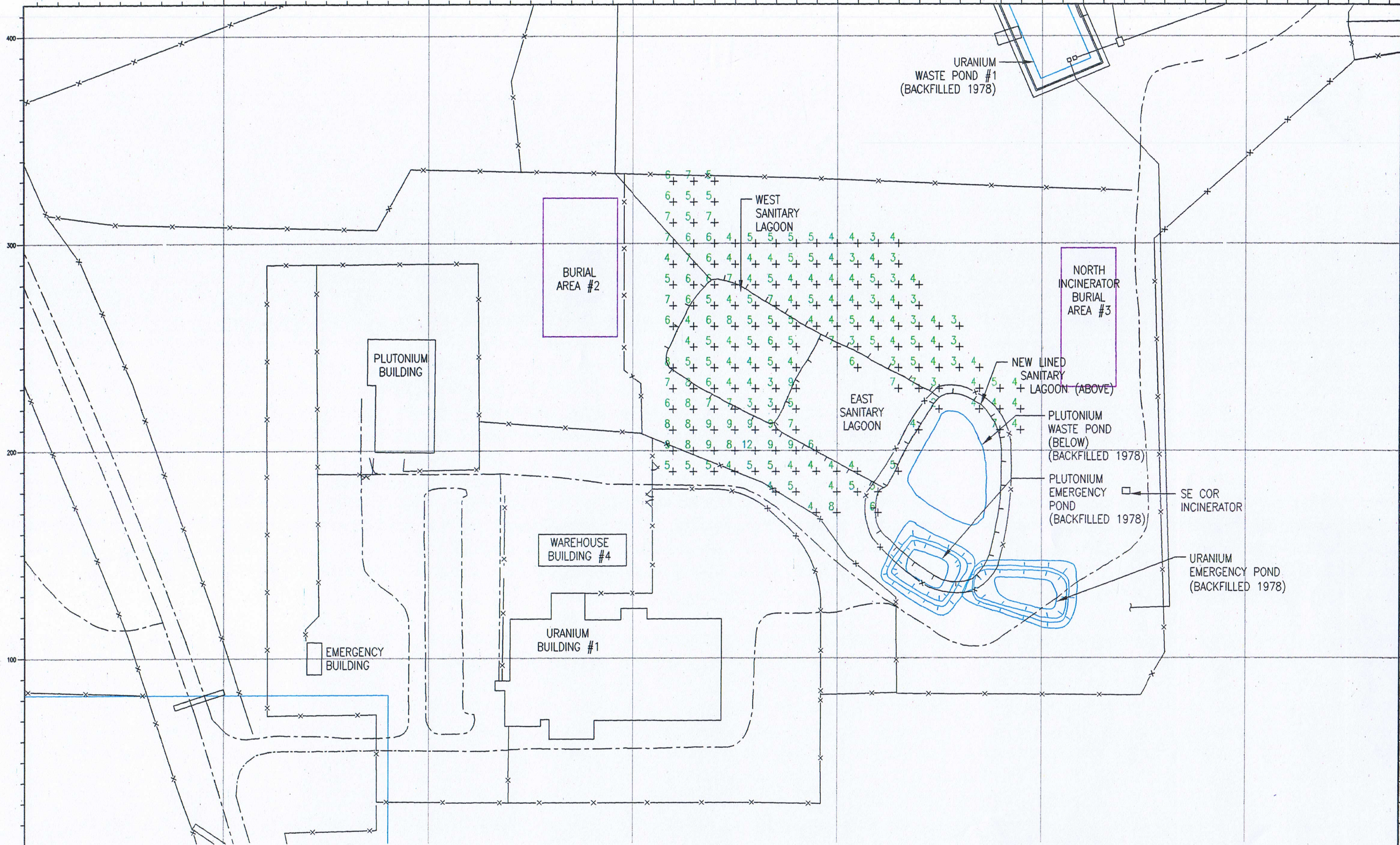
POST REMEDIATION SAMPLES TAKEN BEFORE BACKFILL.

SAMPLES TAKEN FROM EXCAVATED DEPTH.

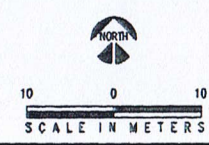
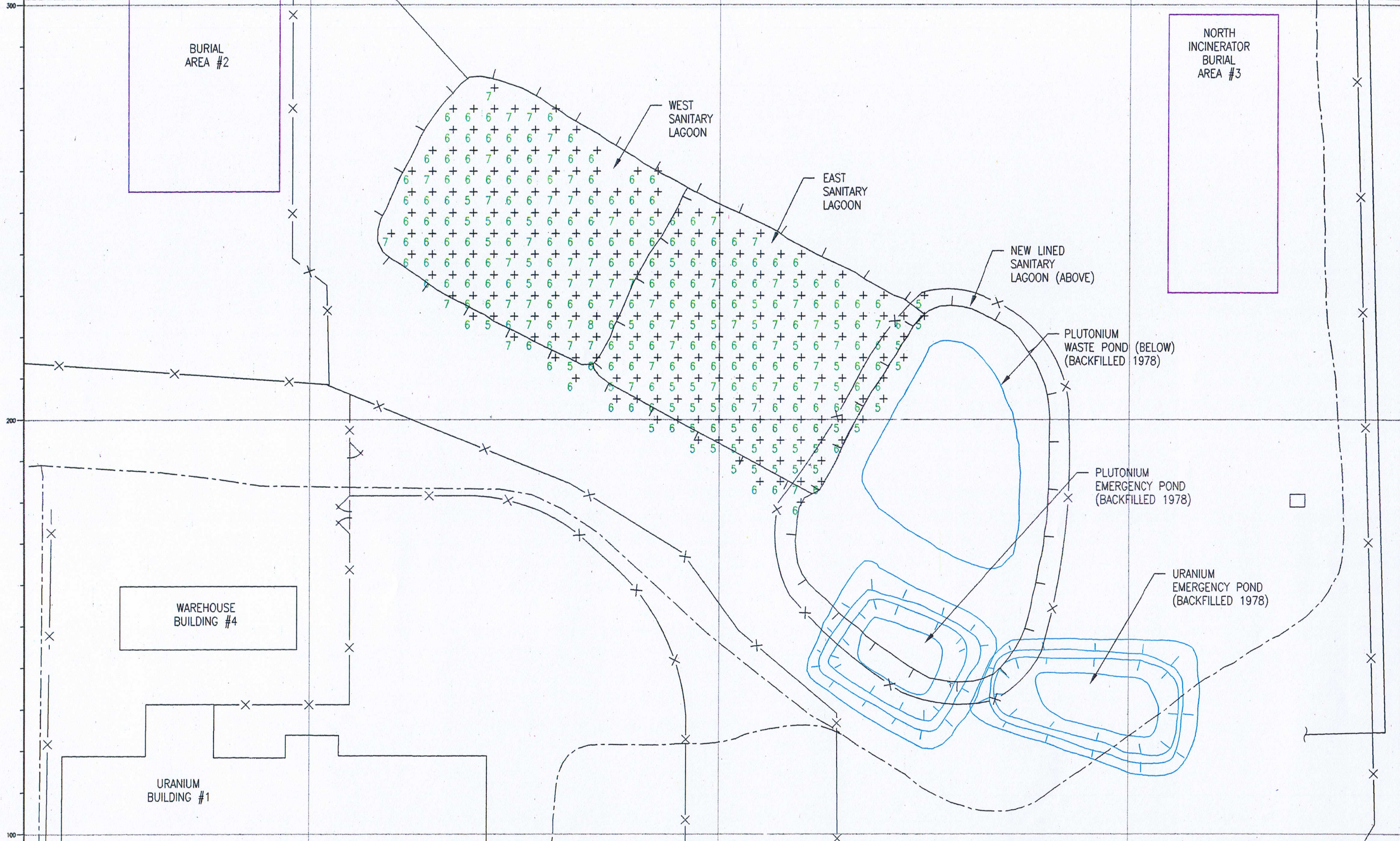
BLANK AREAS INDICATE EXCAVATED TO ROCK.

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

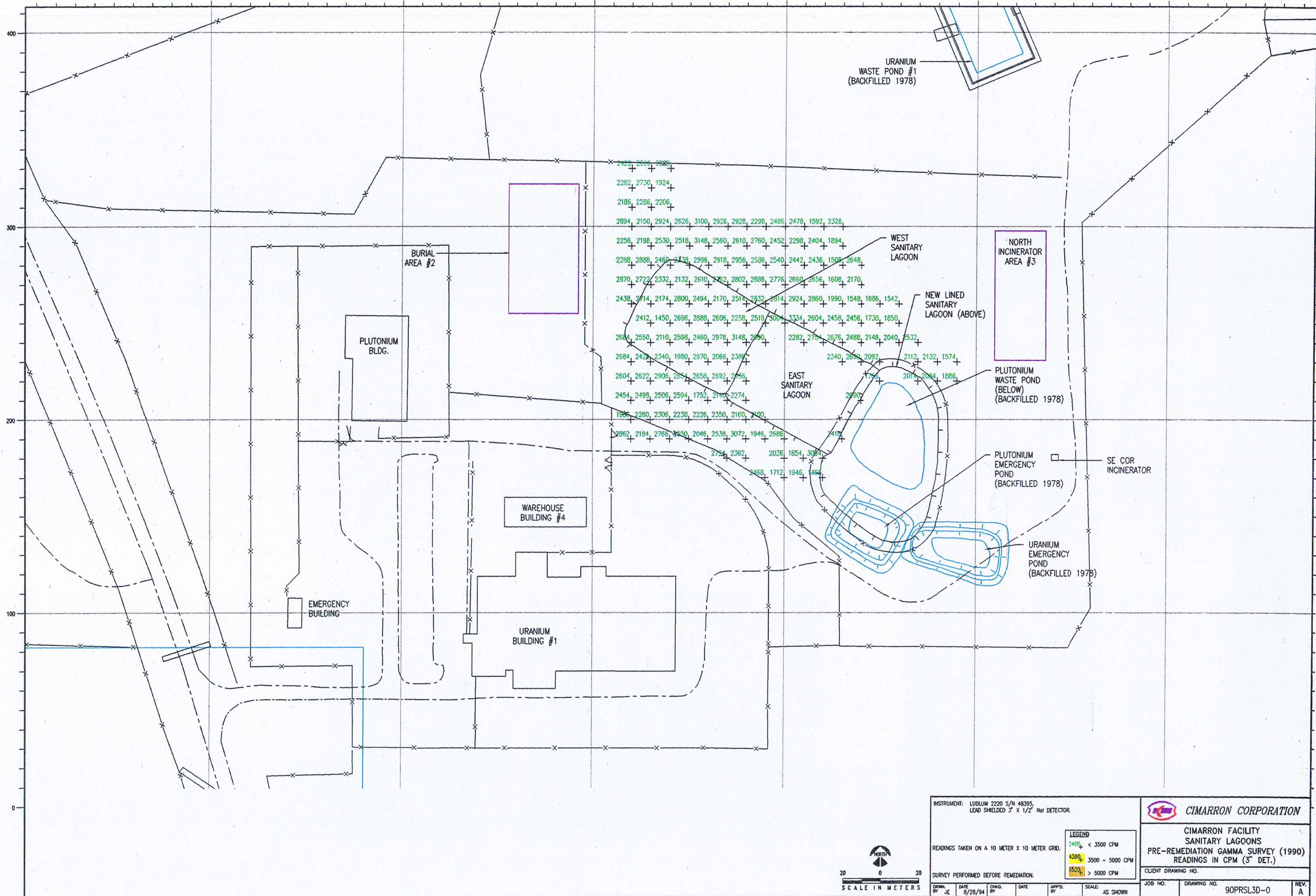




READINGS ARE IN MICRO-R/Hr. ($\mu R/Hr.$)				CIMARRON CORPORATION	
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY	
MODEL NO: 125				SANITARY LAGOONS	
SERIAL NO: 9081				PRE-REMEDATION MICRO-R SURVEY (1990)	
ESTABLISHED SITE BACKGROUND OF 7 $\mu R/Hr.$ NOT SUBTRACTED.				AT LAND SURFACE	
SAMPLES 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.	REV.
				90PRSLUR-0	A



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

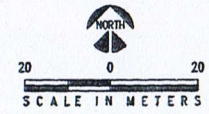


INSTRUMENT: LUDLUM 2220 S/N 48395,
LEAD SHIELDED 3" X 1/2" NaI DETECTOR.

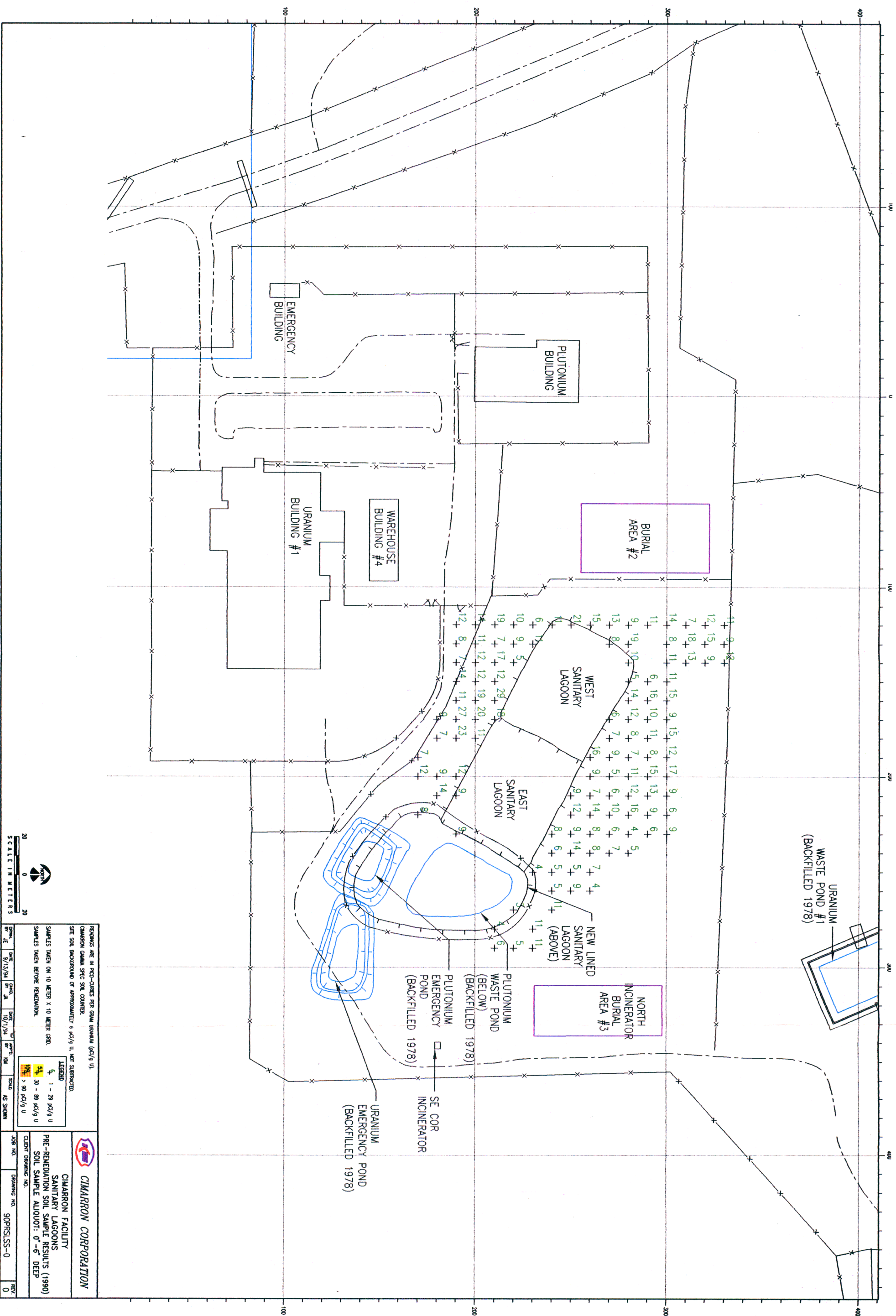
READINGS TAKEN ON A 10 METER X 10 METER GRID.

SURVEY PERFORMED BEFORE REMEDIATION.

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



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



CIMARRON CORPORATION

CIMARRON FACILITY

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

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.
00000000	00000000	0

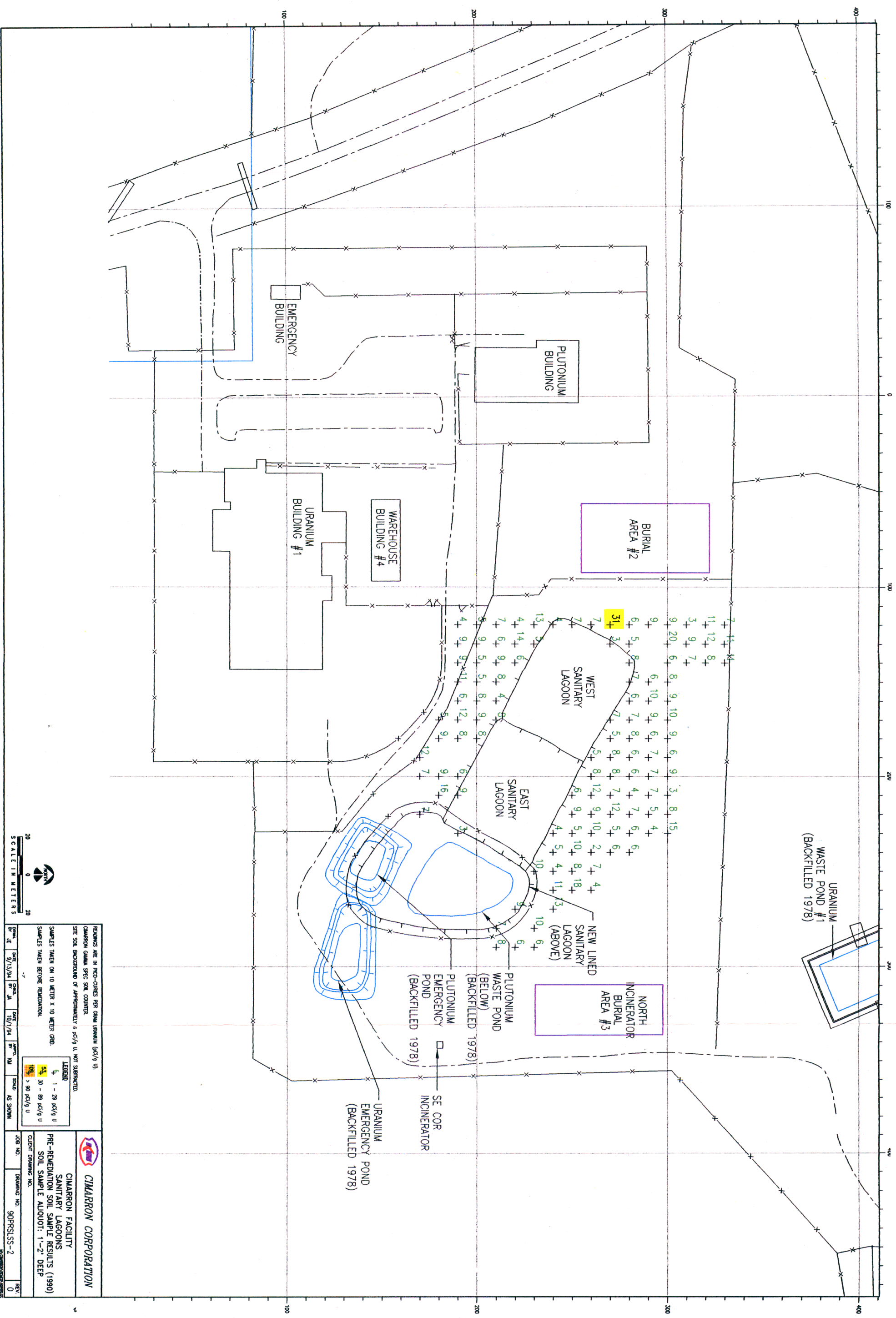
90PRSLSS-0	0
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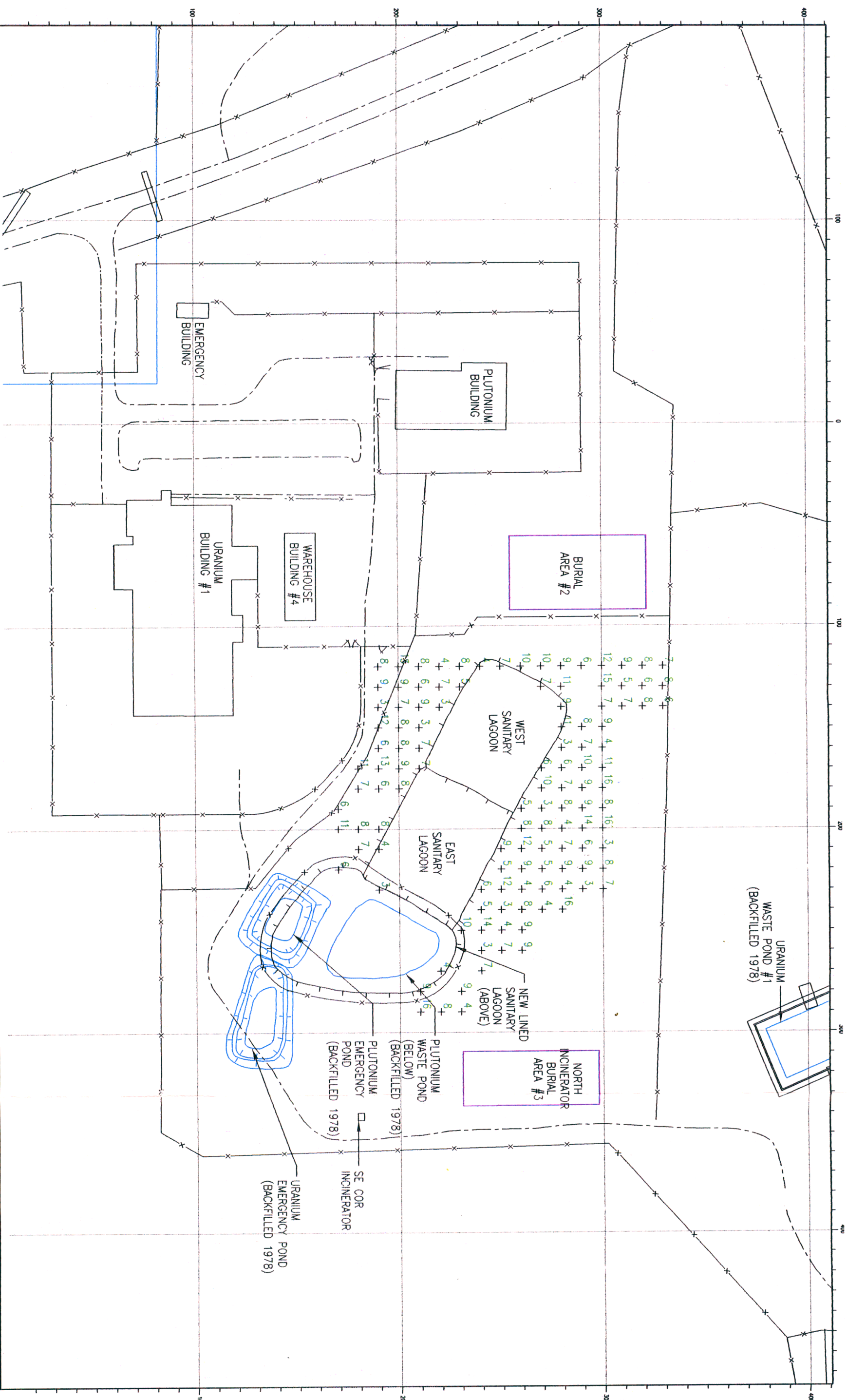
20 0 20
SCALE IN METERS

READINGS ARE IN PCO-COUNTS PER GRAM URANIUM (pci/g u).
CAMERON GAMMA SPEC SOIL COUNTER.
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pci/g u, NOT SUBTRACTED

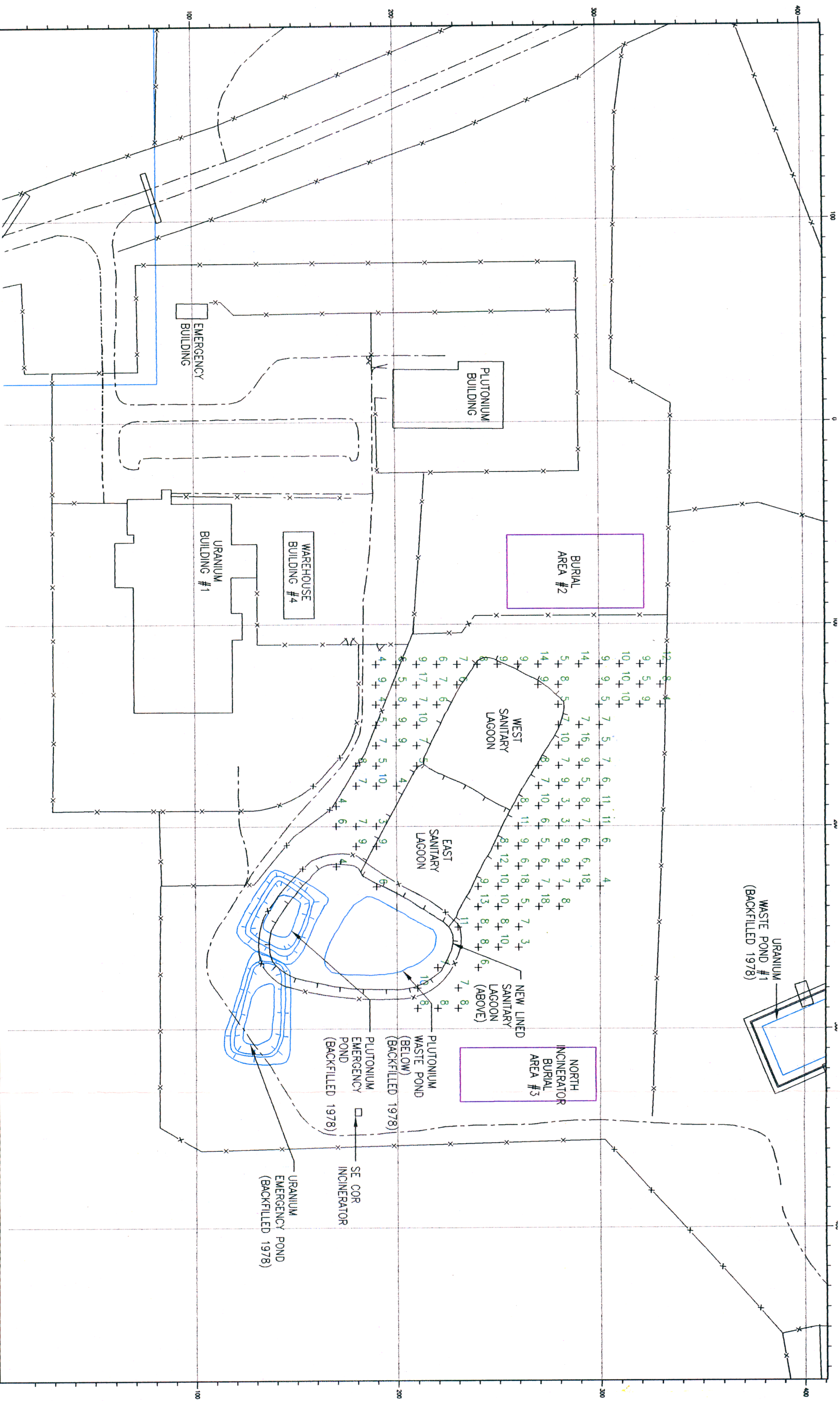
SAMPLES TAKEN ON 10 METER X 10 METER GRID

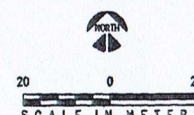
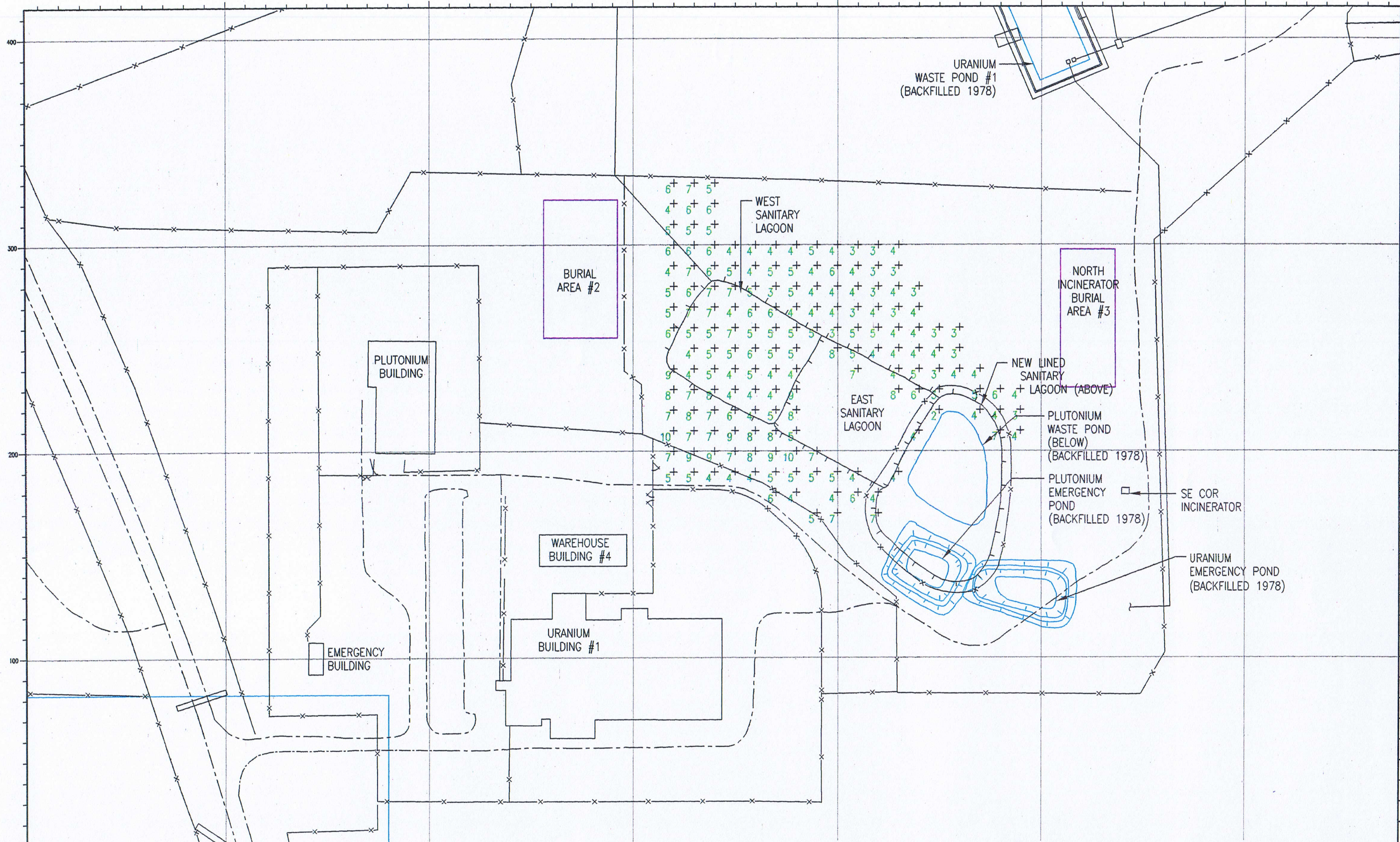
DATE 9/13/94	BY JA	DATE 10/1/94	BY KIM	SCALE: AS SHOWN
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REVISIONS ARE IN PENCIL-LINES PER ORIGIN (rad/g U).			
CIMARRON CANADA SPEC. SOIL. COUNTER.			
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pc/g U, NOT SUBTRACTED.			
SAMPLES TAKEN ON 10 METER X 10 METER GRID.			
SAMPLES TAKEN BEFORE REMEDIATION.			
LEGEND			
S ₁ 1 - 29 pc/g U			
S ₂ 30 - 89 pc/g U			
S ₃ > 90 pc/g U			
SCALE AS SHOWN			
CIMARRON CORPORATION			
SANITARY LAGOONS			
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)			
SOIL SAMPLE ALIQUOT: 2"-3" DEEP			
CLIENT DRAWING NO.			
DRAWING NO.			
90PRLSS-3			
REV.			
0			

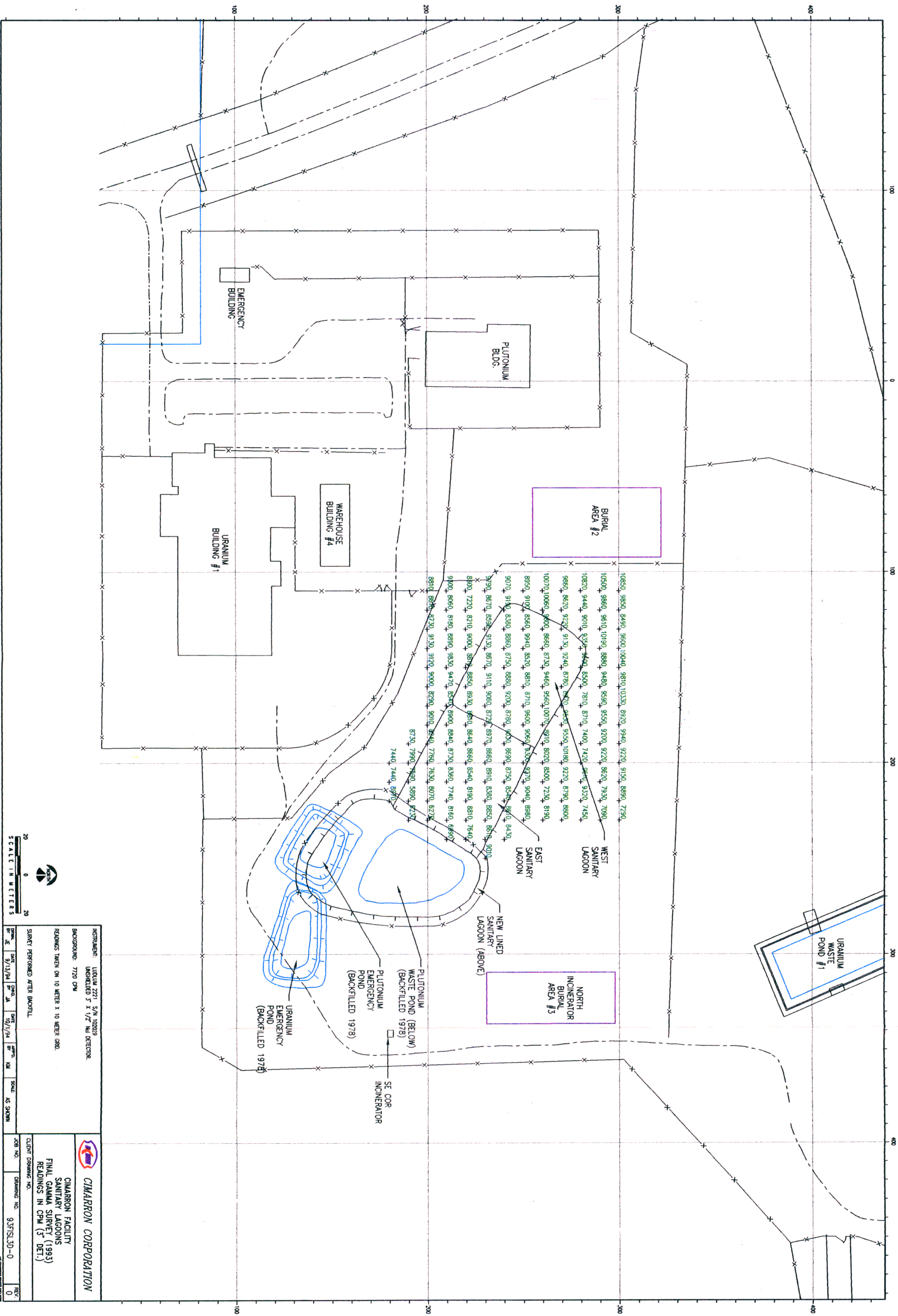




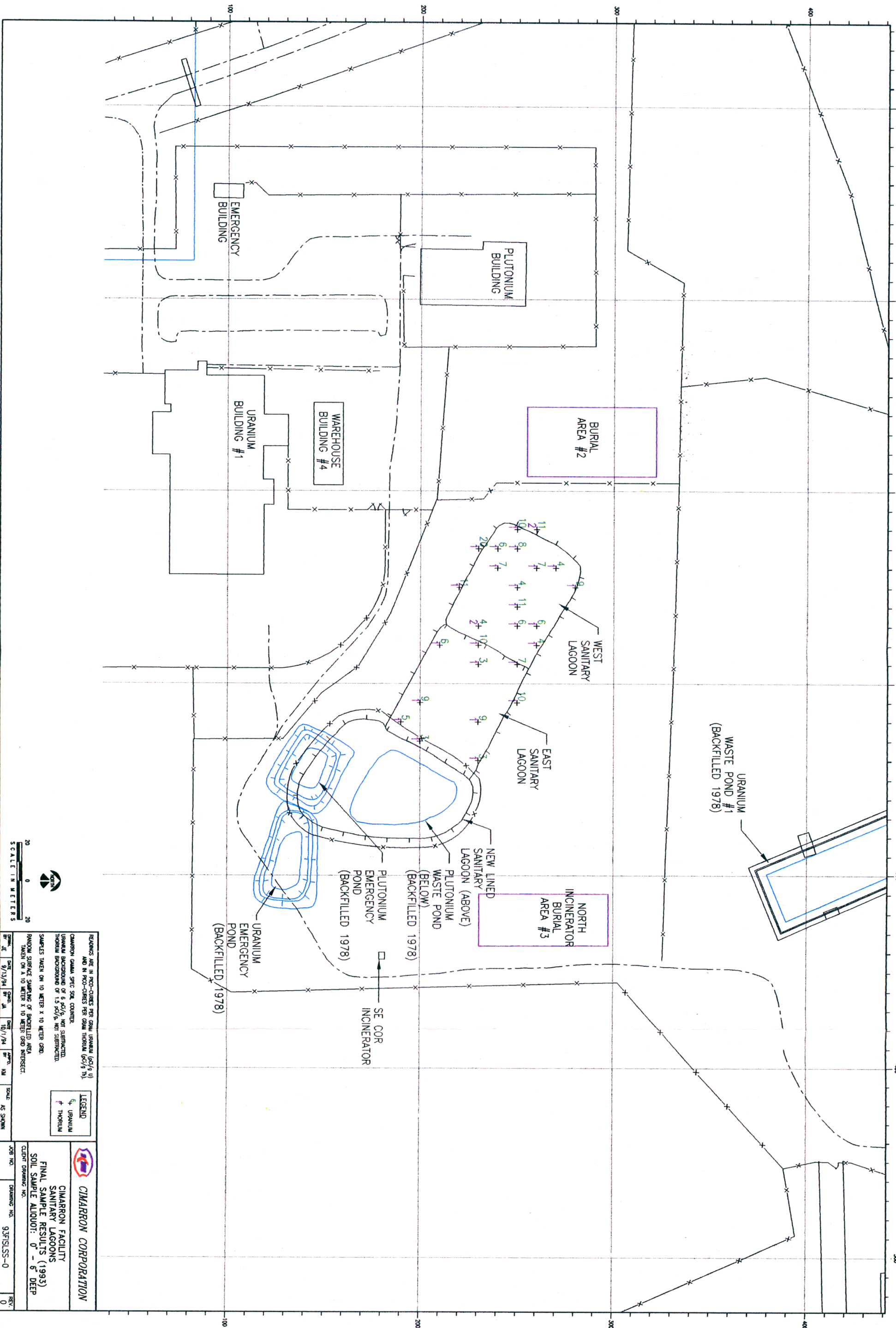
READINGS ARE IN MICRO-R/Hr. (μ R/Hr.)
 INSTRUMENT: LUDLUM MICRO-R METER
 MODEL NO: 125
 SERIAL NO: 9081
 ESTABLISHED SITE BACKGROUND OF 7 μ R/Hr., NOT SUBTRACTED.
 SAMPLES TAKEN ON A 10 METER BY 10 METER GRID
 READINGS TAKEN BEFORE REMEDIATION.

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: LUDOLM 2221 S/N 100209		DATE: 9/13/94		DATE: 10/1/94		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	
BACKGROUND: 7720 CPM		SUNET PERFORMED AFTER BACKGROUND		SUNET PERFORMED AFTER BACKGROUND		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	
READINGS TAKEN ON 10 METER X 10 METER GRID.		SUNET PERFORMED AFTER BACKGROUND		SUNET PERFORMED AFTER BACKGROUND		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	
CIMARRON FACILITY		CIMARRON CORPORATION		CIMARRON CORPORATION		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	
SANITARY LAGOONS		FINAL GAMMA SURVEY (1993)		FINAL GAMMA SURVEY (1993)		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	
READINGS IN CPM (5' DET.)		READINGS IN CPM (5' DET.)		READINGS IN CPM (5' DET.)		SCALE: AS SHOWN		JOB NO.		DRAWING NO.		REV.	



REMARKS ARE IN PRO-COUNTS PER GRAM URANIUM (pCi/g U)
AND IN PRO-COUNTS PER GRAM THORIUM (pCi/g Th).

CIMARRON GAMMA SPEC. SOIL COUNTER.

URANIUM BACKGROUND OF 5 pCi/g, NOT SUBTRACTED.

THORIUM BACKGROUND OF 15 pCi/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 - URANIUM

● T - THORIUM

CIMARRON CORPORATION

CIMARRON FACILITY

SANITARY LAGOONS

FINAL SAMPLE RESULTS (1993)

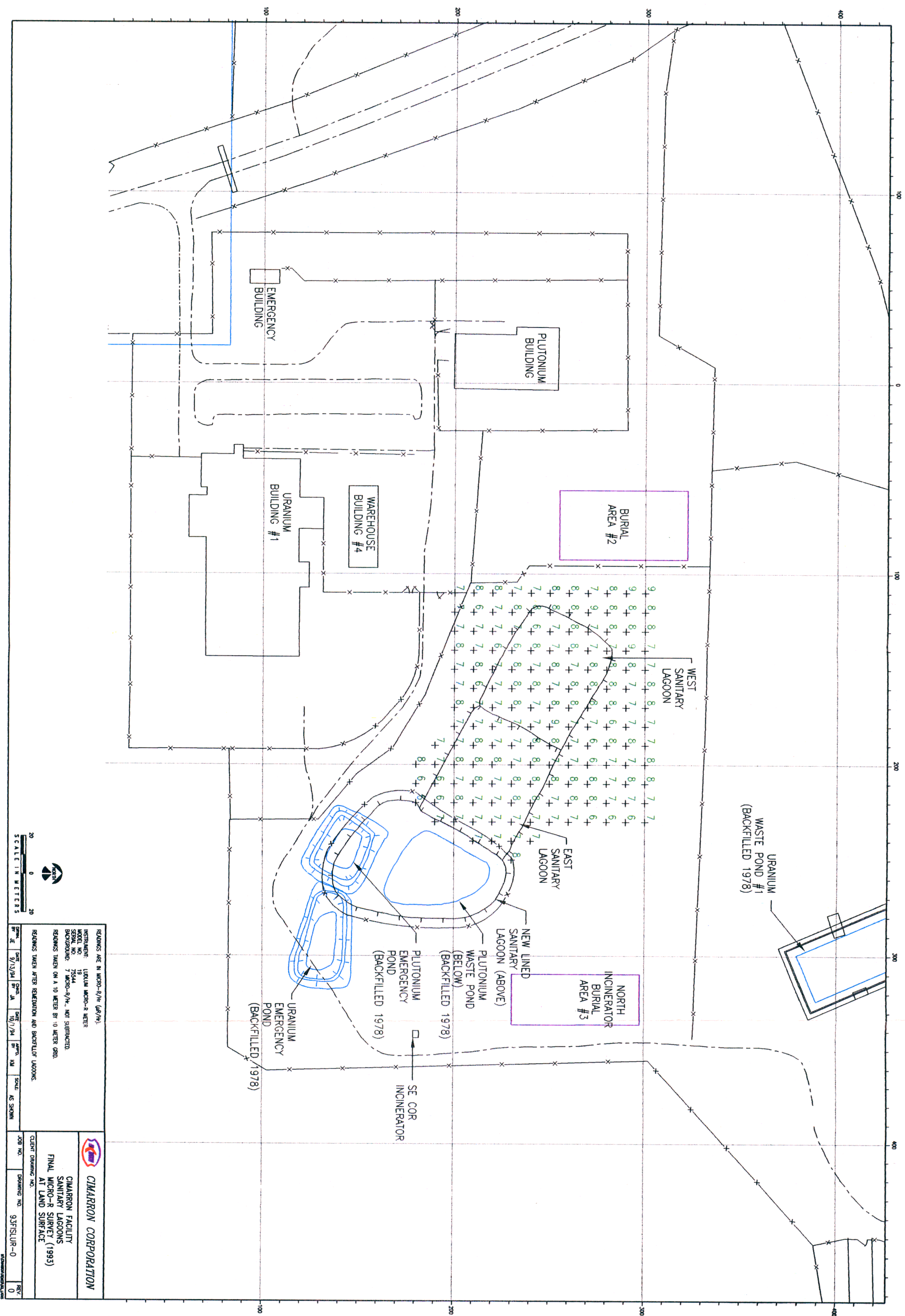
SOIL SAMPLE ALIQUOT: 0" - 6" DEEP

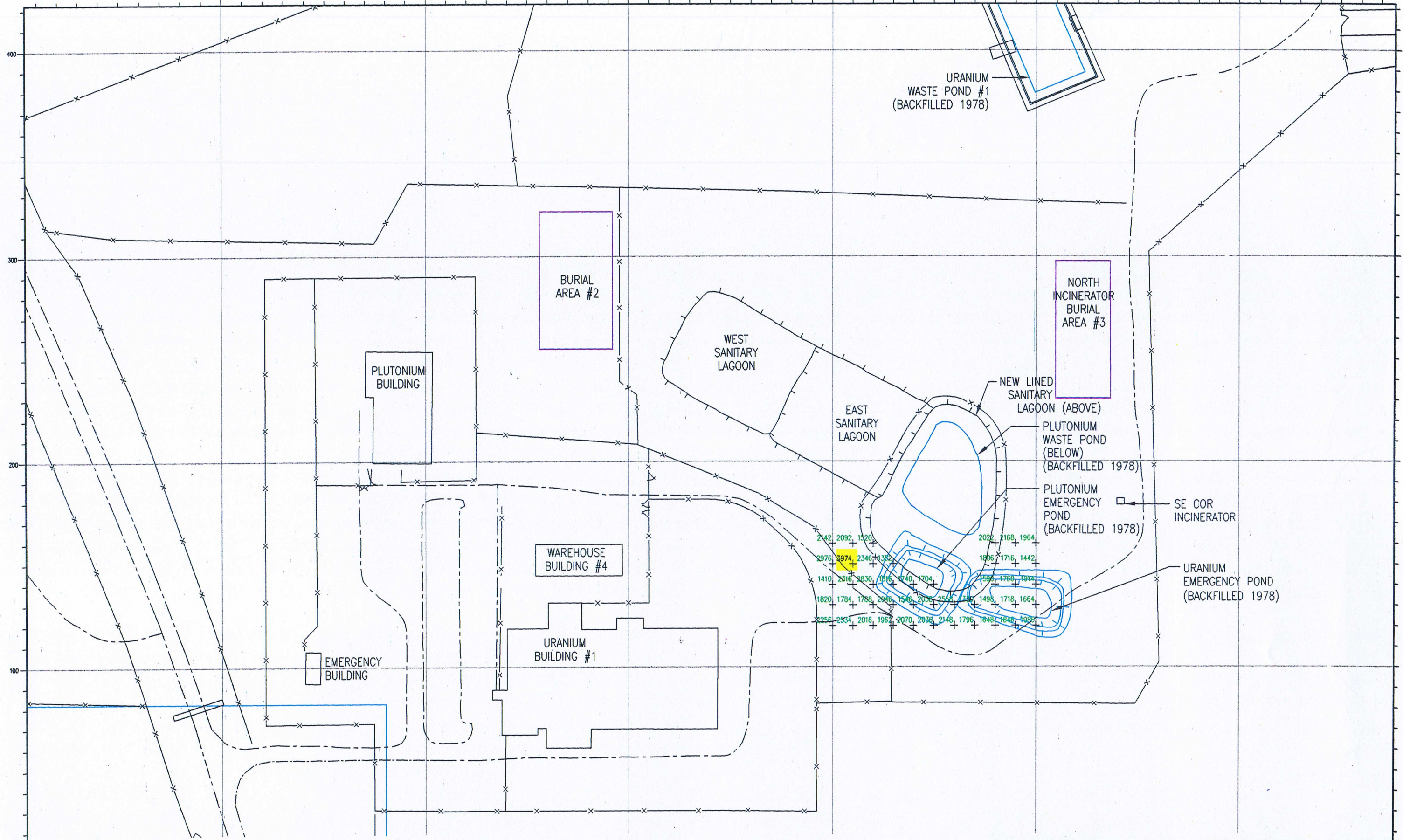
CLIENT DRAWING NO.

DRAWING NO. 93FSLSS-0

REV. 0

DATE	7/13/94	DATE	10/7/94	SCALE	AS SHOWN
PREP.	JE	APP.	JA		



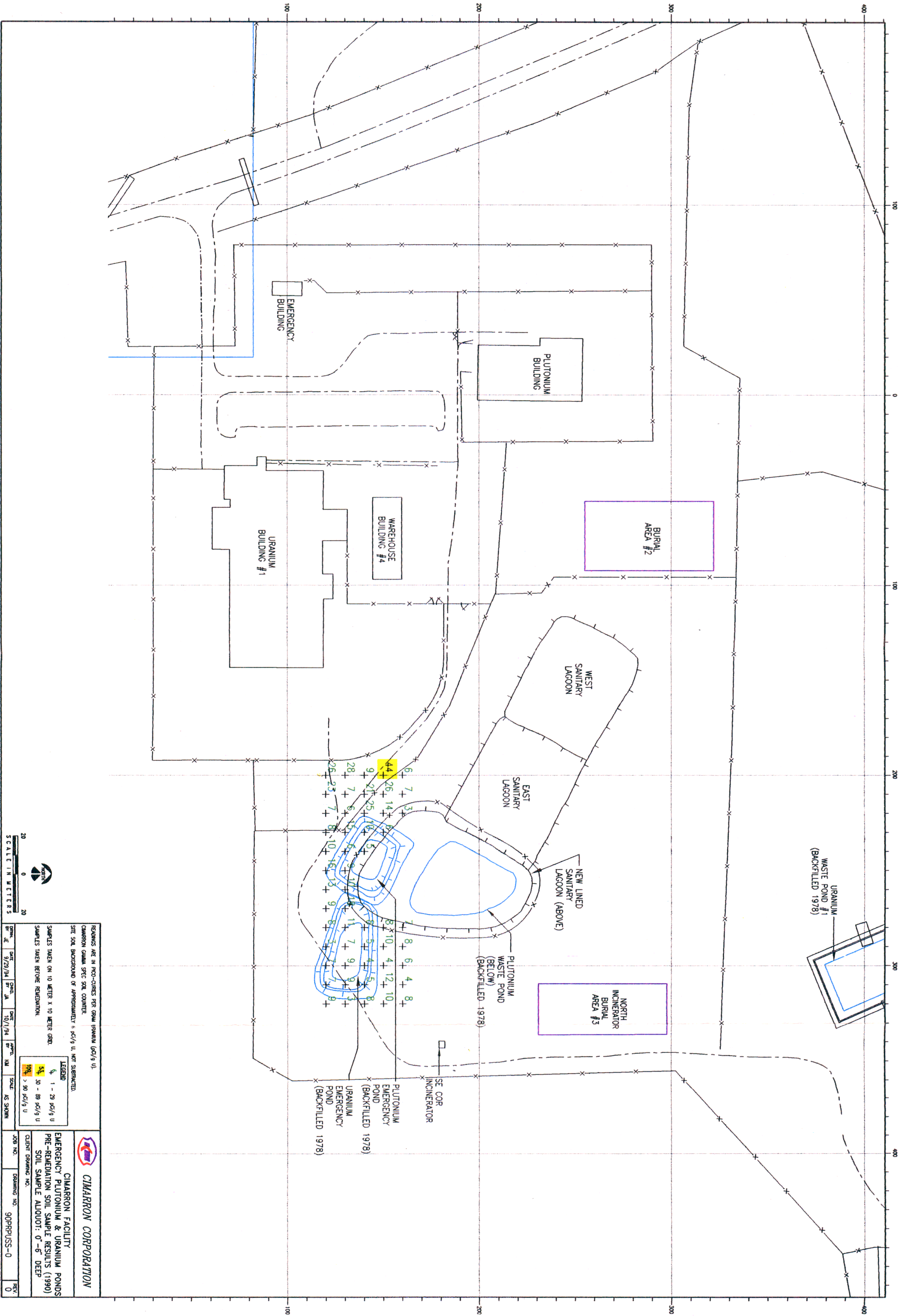


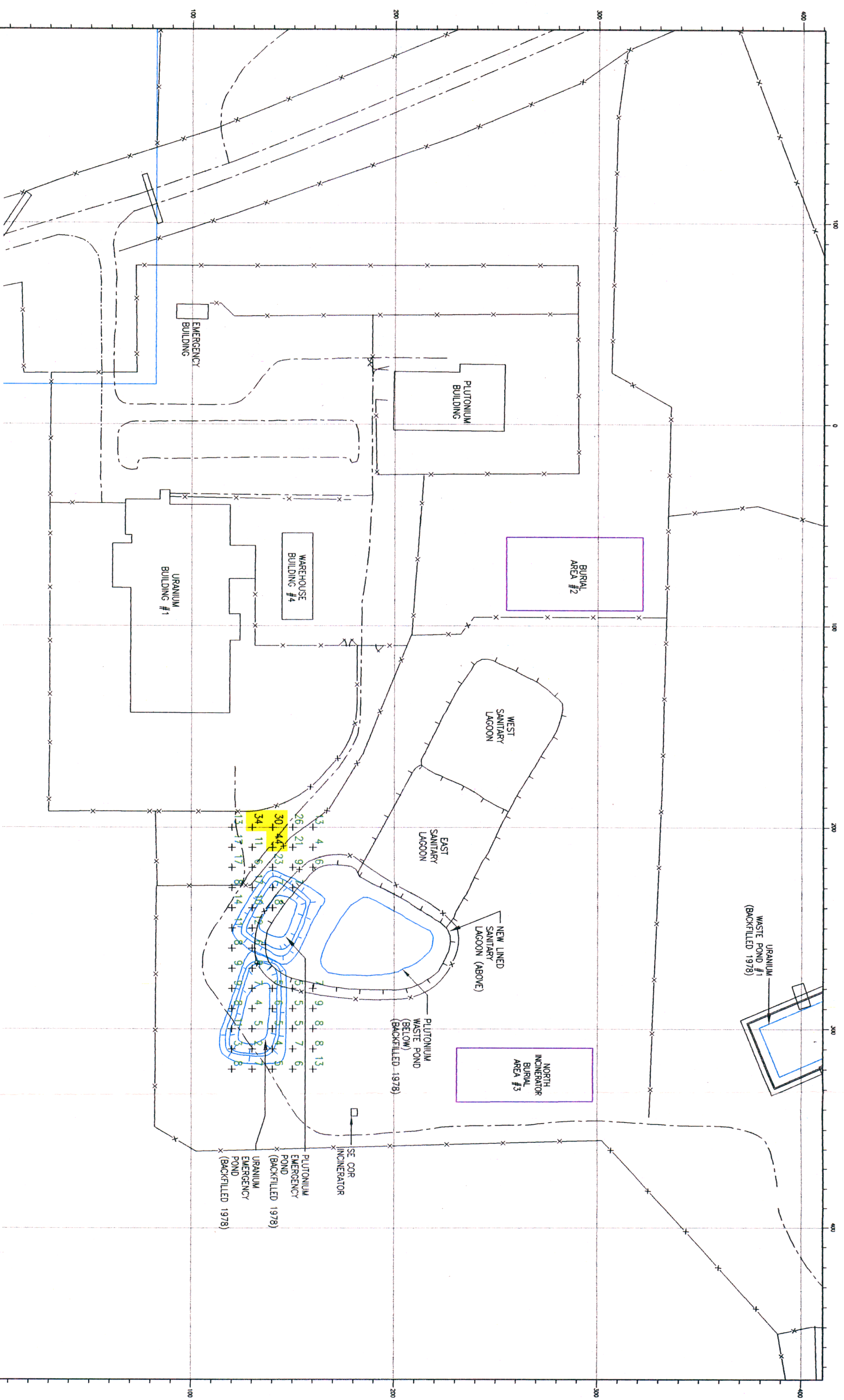
INSTRUMENT: LUDLUM 2220 S/N 48395, LEAD SHIELDED 3" X 1/2" NaI DETECTOR.		CIMARRON CORPORATION	
READINGS TAKEN ON A 10 METER X 10 METER GRID.		CIMARRON FACILITY EMERGENCY PLUTONIUM & URANIUM PONDS PRE-REMEDIATION GAMMA SURVEY (1990) READINGS IN CPM (3" DET.)	
SURVEY PERFORMED BEFORE REMEDIATION.		CLIENT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

LEGEND
• < 3500 CPM
• 3500 - 5000 CPM
• > 5000 CPM

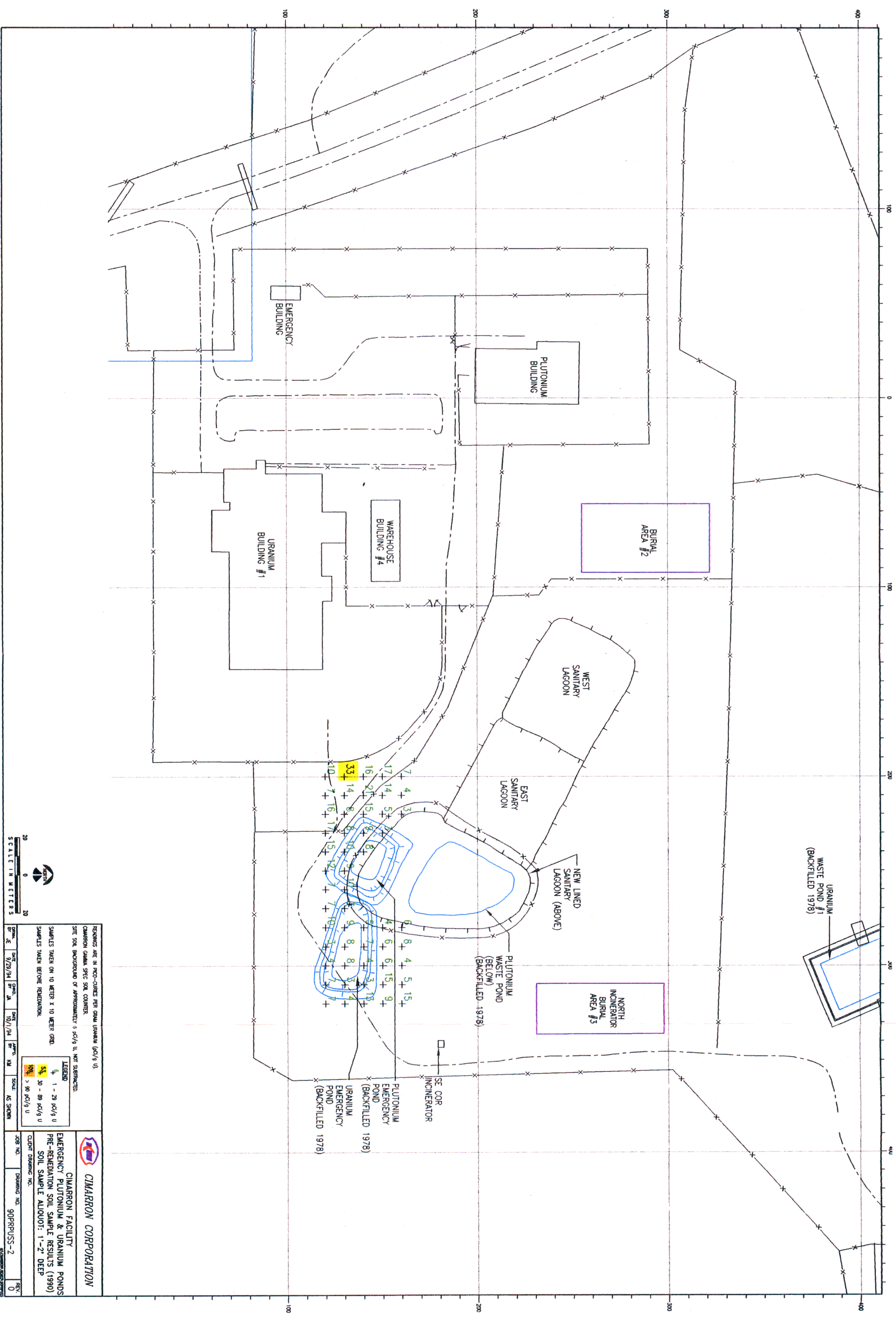
SCALE: AS SHOWN

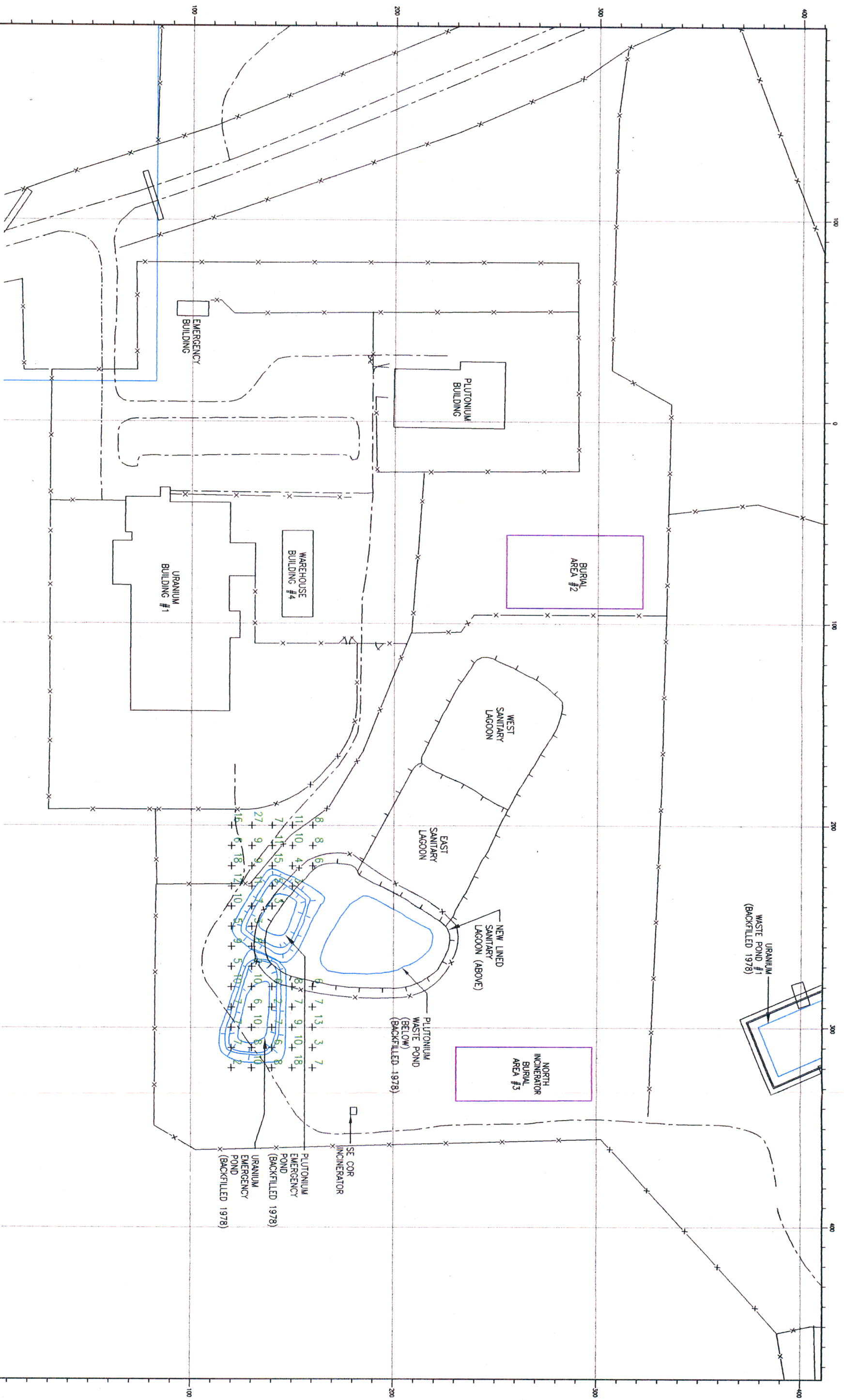
20 0 20
SCALE IN METERS





REVISIONS ARE IN PRO-CLINES PER GRAM URANIUM (pg/g U).									
CIMARRON CANADA SPEC. SOIL COUNTER.									
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pg/g U. NOT SUBTRACTED.									
SAMPLES TAKEN ON 10 METER X 10 METER GRID.									
SAMPLES TAKEN BEFORE REMEDIATION.									
LEGEND 1 - 29 pg/g U 30 - 89 pg/g U > 90 pg/g U									
DATE	9/29/94	BY	JA	DATE	10/7/94	BY	KM	SCALE	AS SHOWN
CLIENT DRAWING NO.									
EMERGENCY PLUTONIUM & URANIUM PONDS PRE-REMEDIATION SOIL SAMPLE RESULTS (1990) SOIL SAMPLE ALLOUOT: 6'-1' DEEP									
CIMARRON CORPORATION									
CIMARRON FACILITY									
JOB NO.									
DRAWING NO.									
90RPUSS-1									
REV.									
0									





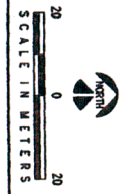
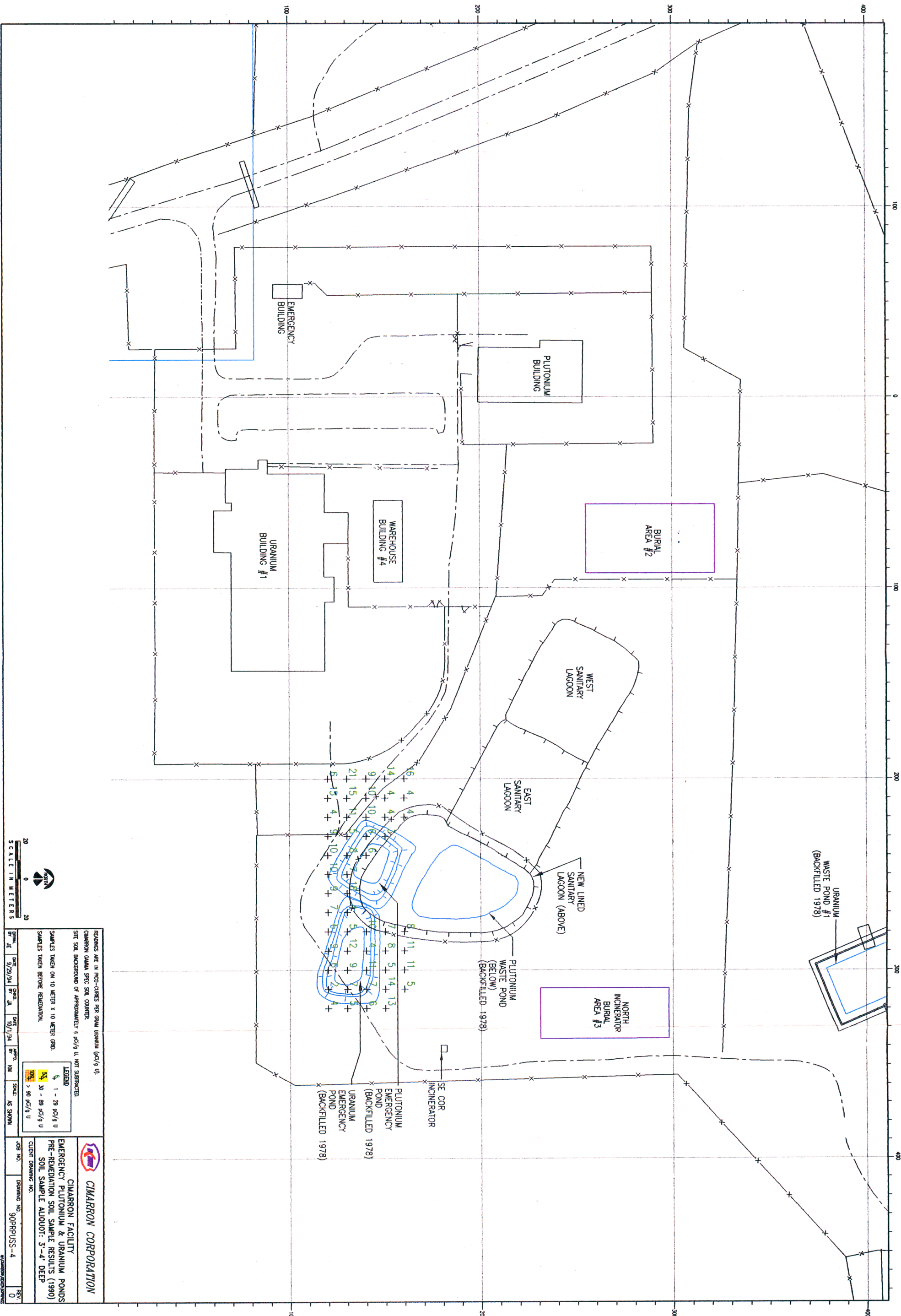
REMARKS ARE IN PRO-COUNTS PER GRAM URANIUM (pg/g U).
CIMARRON GAMMA SPEC SOIL COUNTER
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pg/g U, NOT SUBTRACTED.

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

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

DATE	9/29/94	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	SCALE	AS SHOWN	SCALE	AS SHOWN	SCALE	AS SHOWN	SCALE	AS SHOWN
JOB NO.	90PRUSS-3	JOB NO.	90PRUSS-3	JOB NO.	90PRUSS-3	JOB NO.	90PRUSS-3	JOB NO.	90PRUSS-3
REV.	0	REV.	0	REV.	0	REV.	0	REV.	0

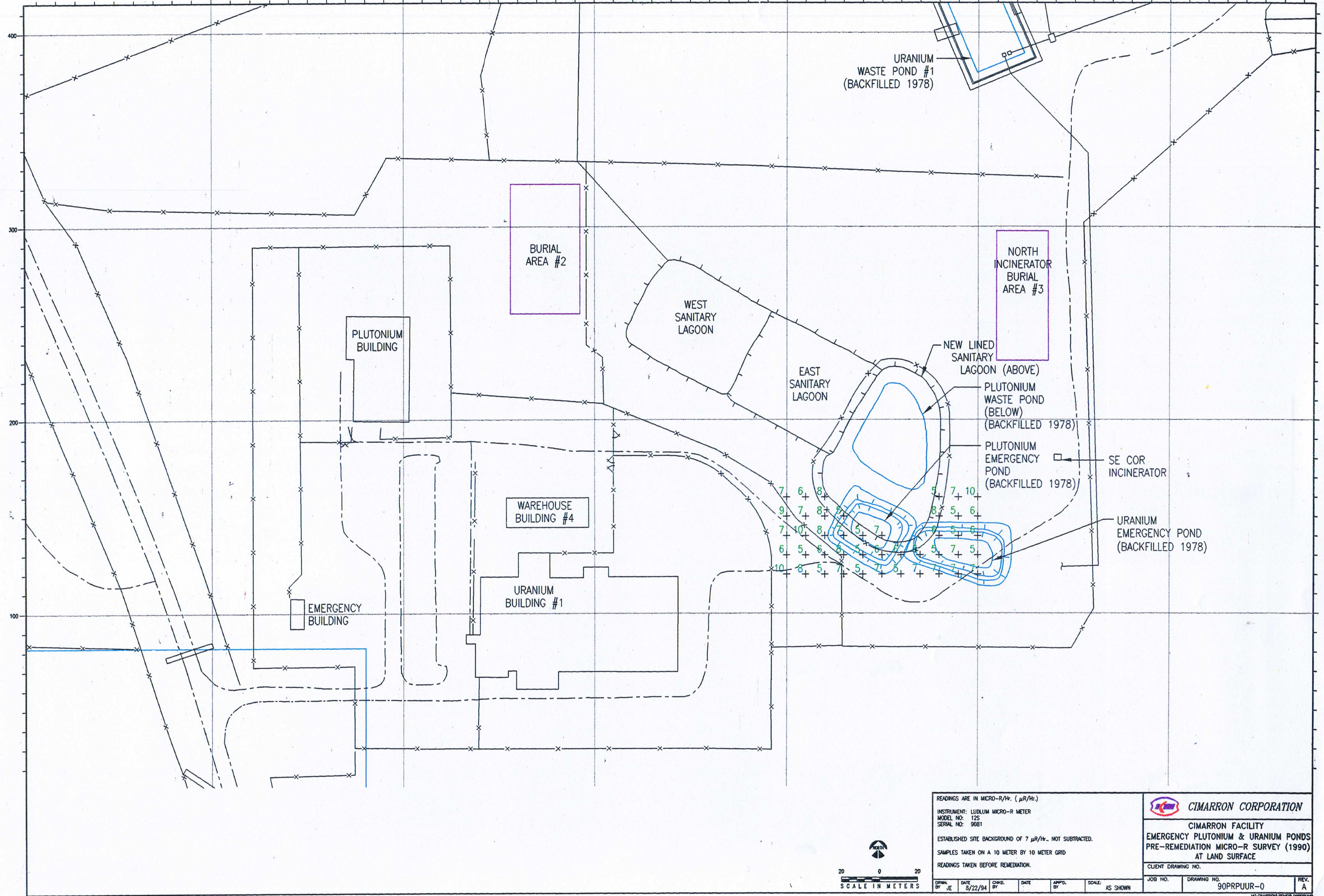
CIMARRON CORPORATION
EMERGENCY PLUTONIUM & URANIUM PONDS
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
SOIL SAMPLE ALIQUOT: 2"-3" DEEP
CLIENT DRAWING NO.



REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U). CAMARON 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 - 99 pCi/g U	
DATE: 9/29/94 BY: J.E.	DATE: 10/1/94 BY: J.A.	DATE: 10/1/94 BY: J.A.	DATE: 10/1/94 BY: J.A.
CLIENT DRAWING NO. 90PRRIS-4		CLIENT DRAWING NO. 90PRRIS-4	

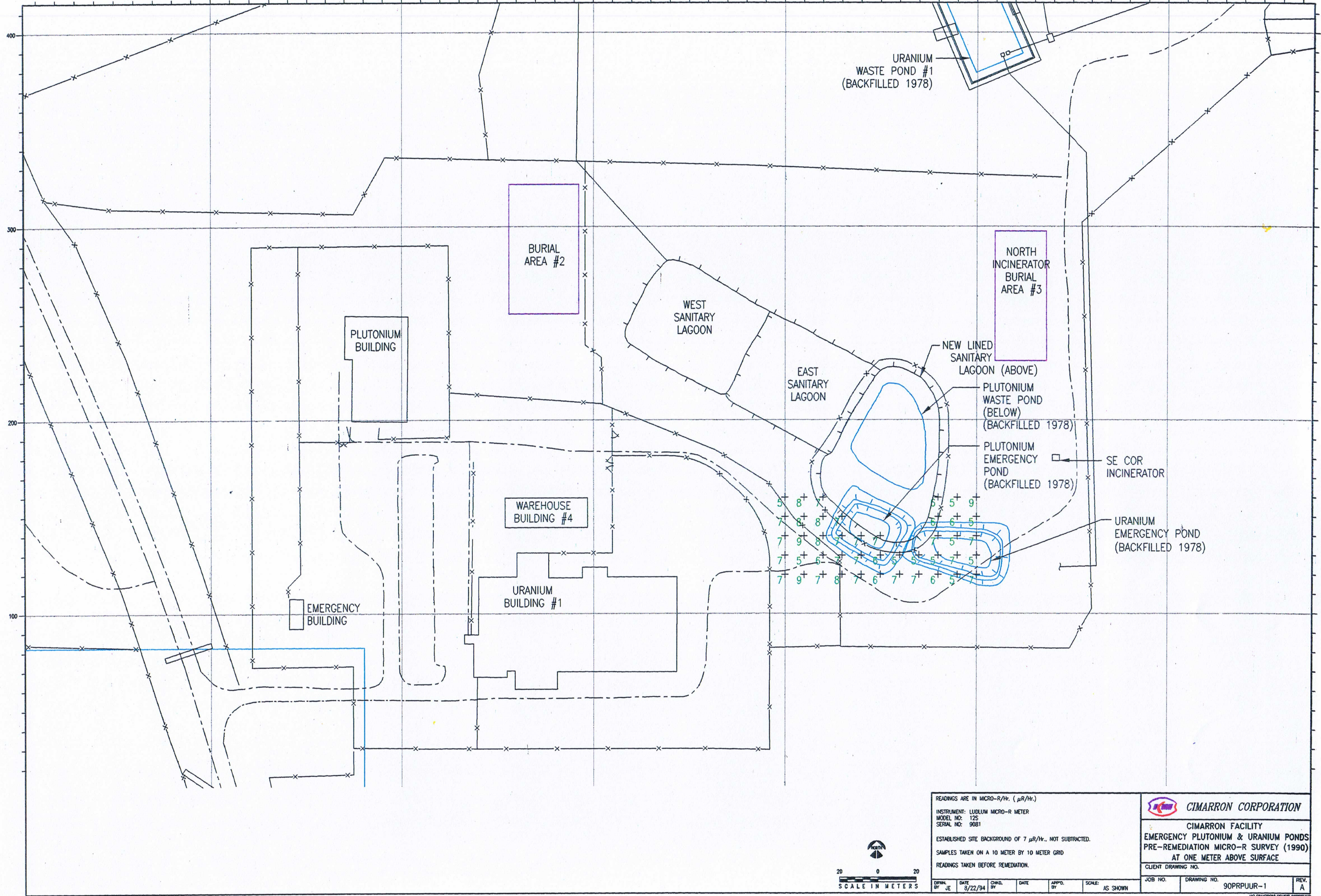
CIMARRON CORPORATION

EMERGENCY PLUTONIUM & URANIUM PONDS
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
SOIL SAMPLE ALLOUOT: 3'-4' DEEP

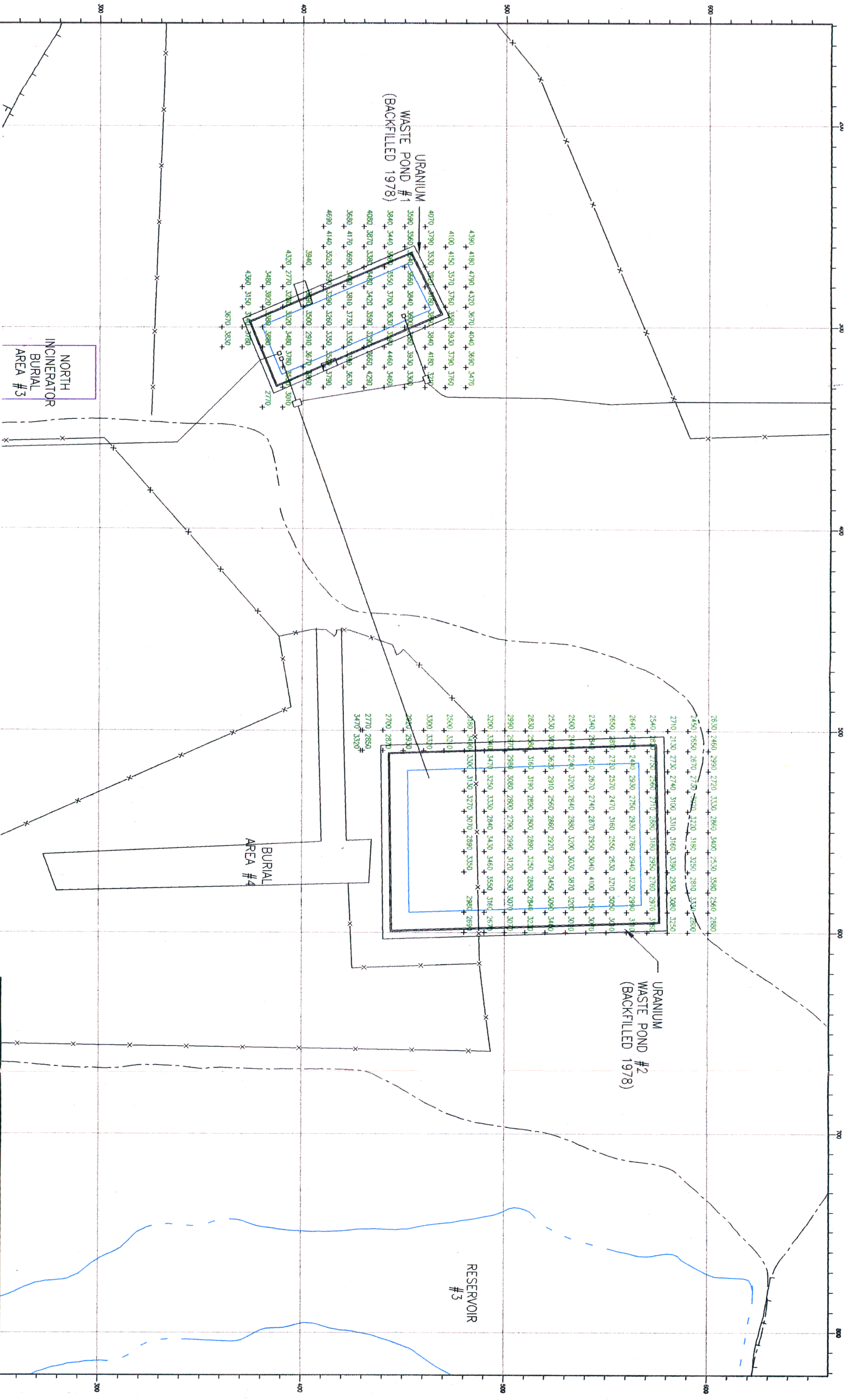


READINGS ARE IN MICRO-R/Hr. ($\mu\text{R}/\text{hr}$)				CIMARRON CORPORATION	
INSTRUMENT: LUDLUM MICRO-R METER				CIMARRON FACILITY	
MODEL NO: 125				EMERGENCY PLUTONIUM & URANIUM PONDS	
SERIAL NO: 9081				PRE-REMEDIATION MICRO-R SURVEY (1990)	
ESTABLISHED SITE BACKGROUND OF 7 $\mu\text{R}/\text{hr}$.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

12\CIMARRON\REMEDIATION\90PRPUUR



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



WASTE POND NO. 1				WASTE POND NO. 2			
INSTRUMENT: LUDOLM 2220 S/N 48395				INSTRUMENT: LUDOLM 2220 S/N 38529			
LEAD SHIELDED 5' X 1 1/2'				LEAD SHIELDED 5' X 1 1/2'			
NaI DETECTOR				NaI DETECTOR			
BACKGROUND: 3280 CPM				BACKGROUND: 2830 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	BY	DATE	BY	DATE	BY	DATE	BY
9/28/94	SA	10/1/94	SA				
SCALE: AS SHOWN				SCALE: AS SHOWN			

CIMARRON CORPORATION

WASTE PONDS #1 AND #2

INVESTIGATIVE GAMMA SURVEY (1993)

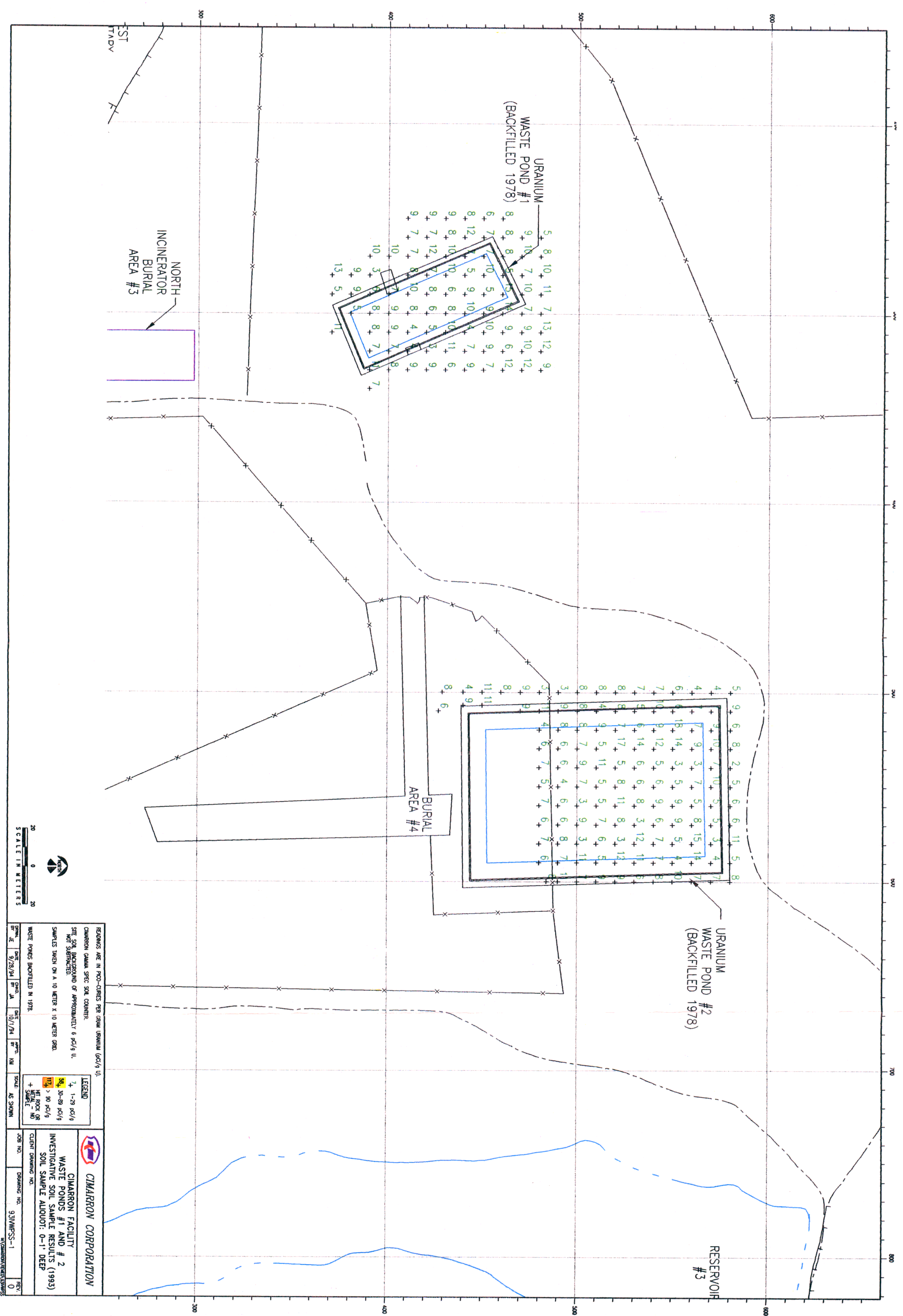
READINGS IN CPM (5' DET.)

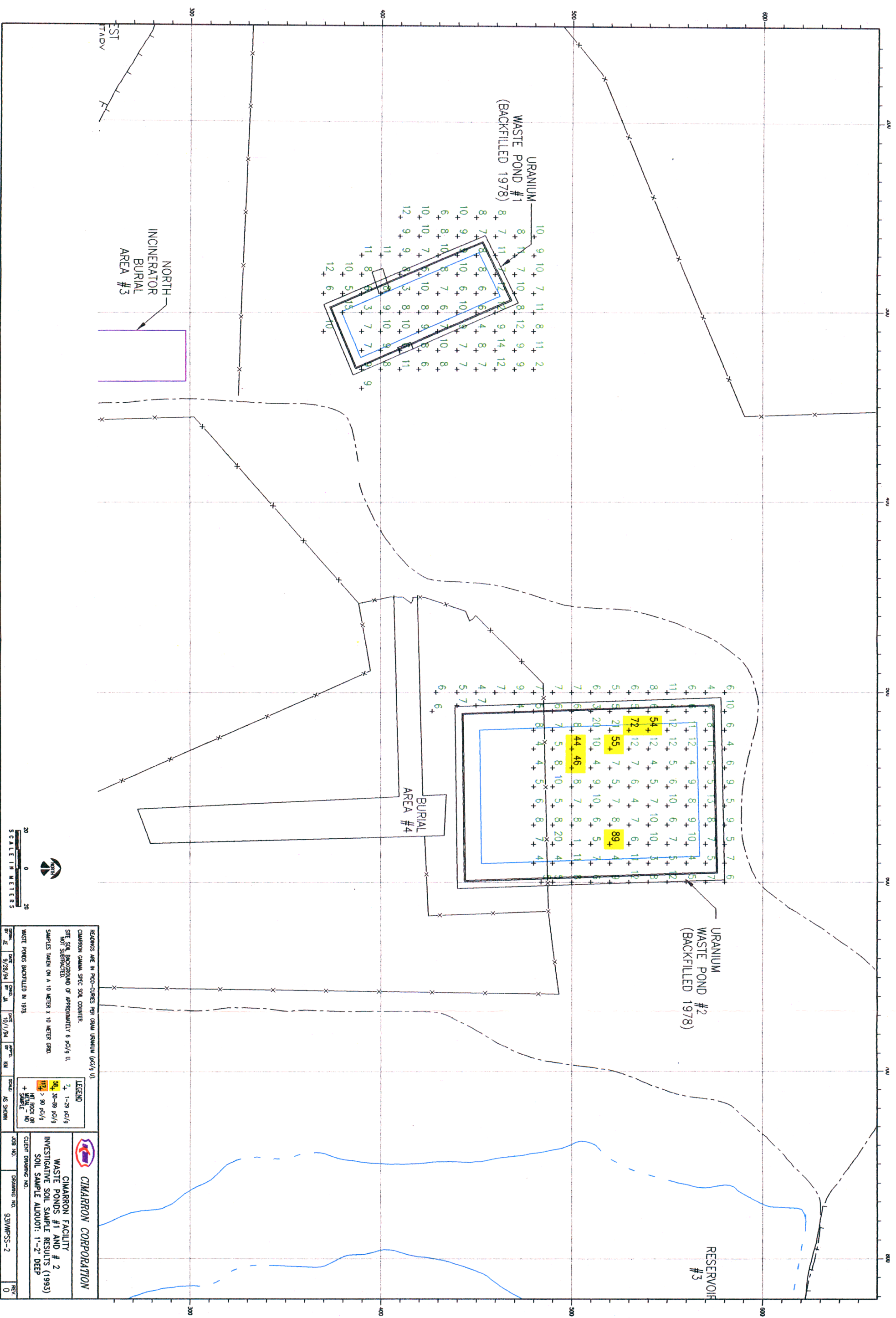
CLIENT DRAWING NO.

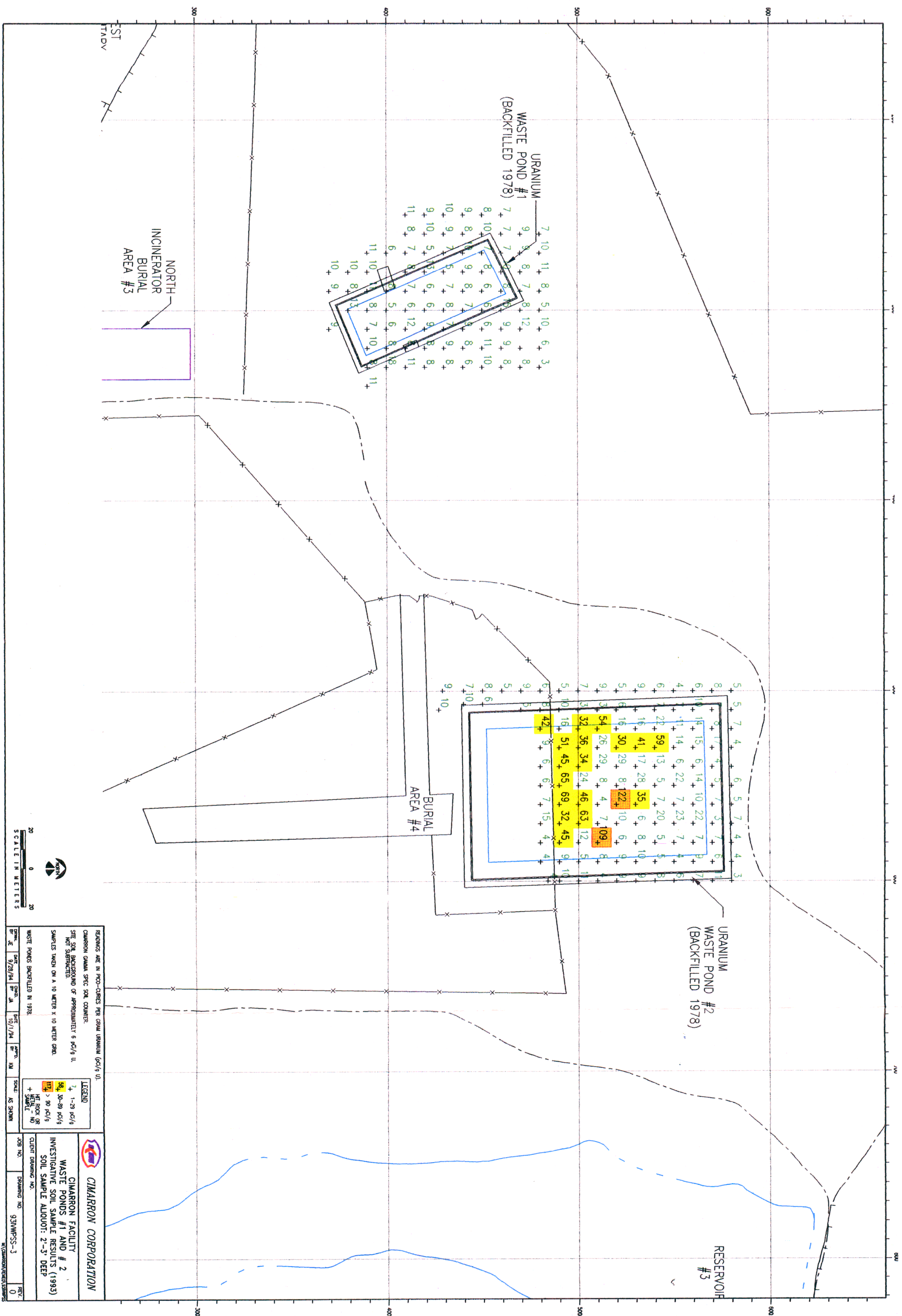
JOB NO.

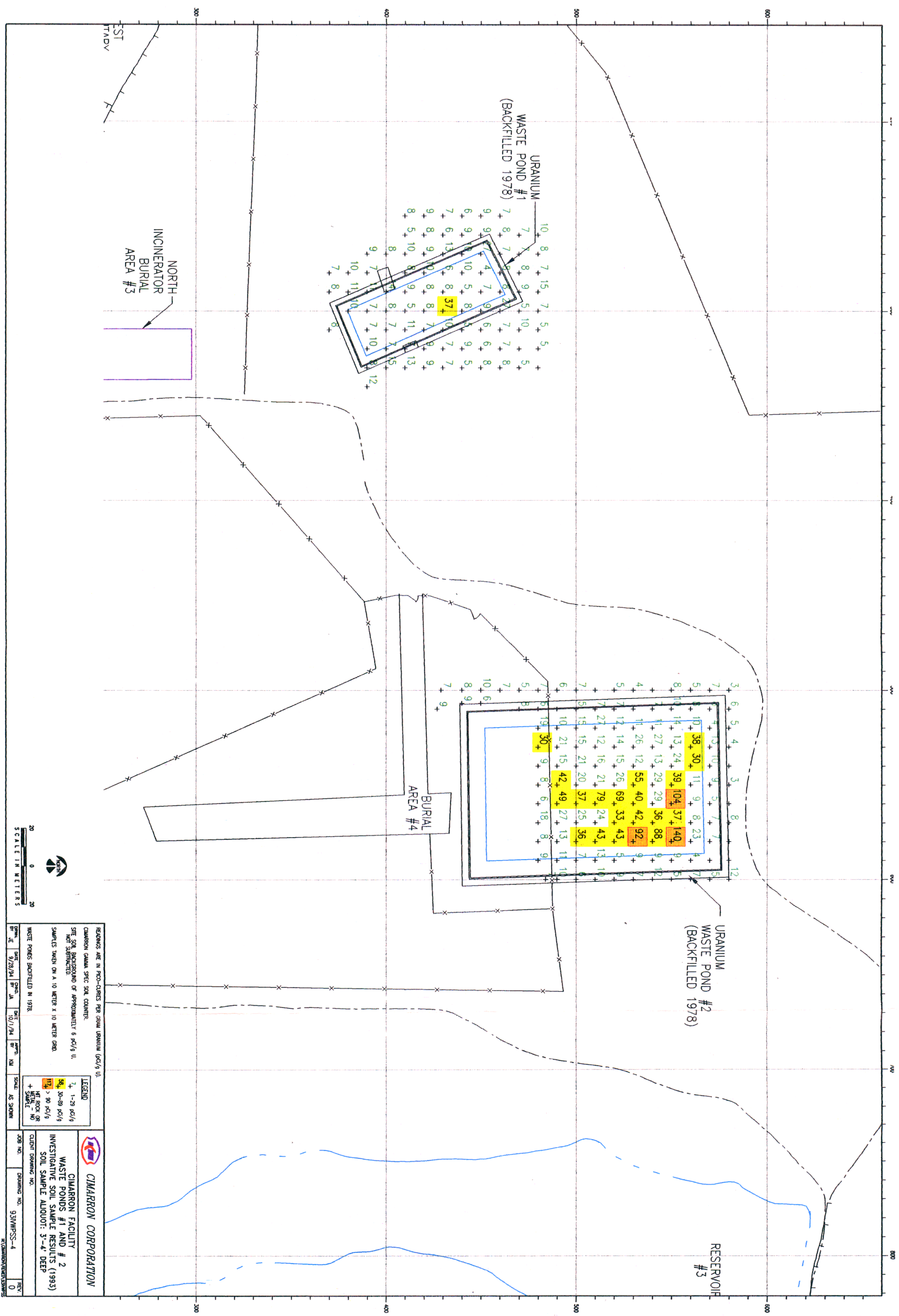
DRAWING NO. 93WMP2D-0

REV. 0

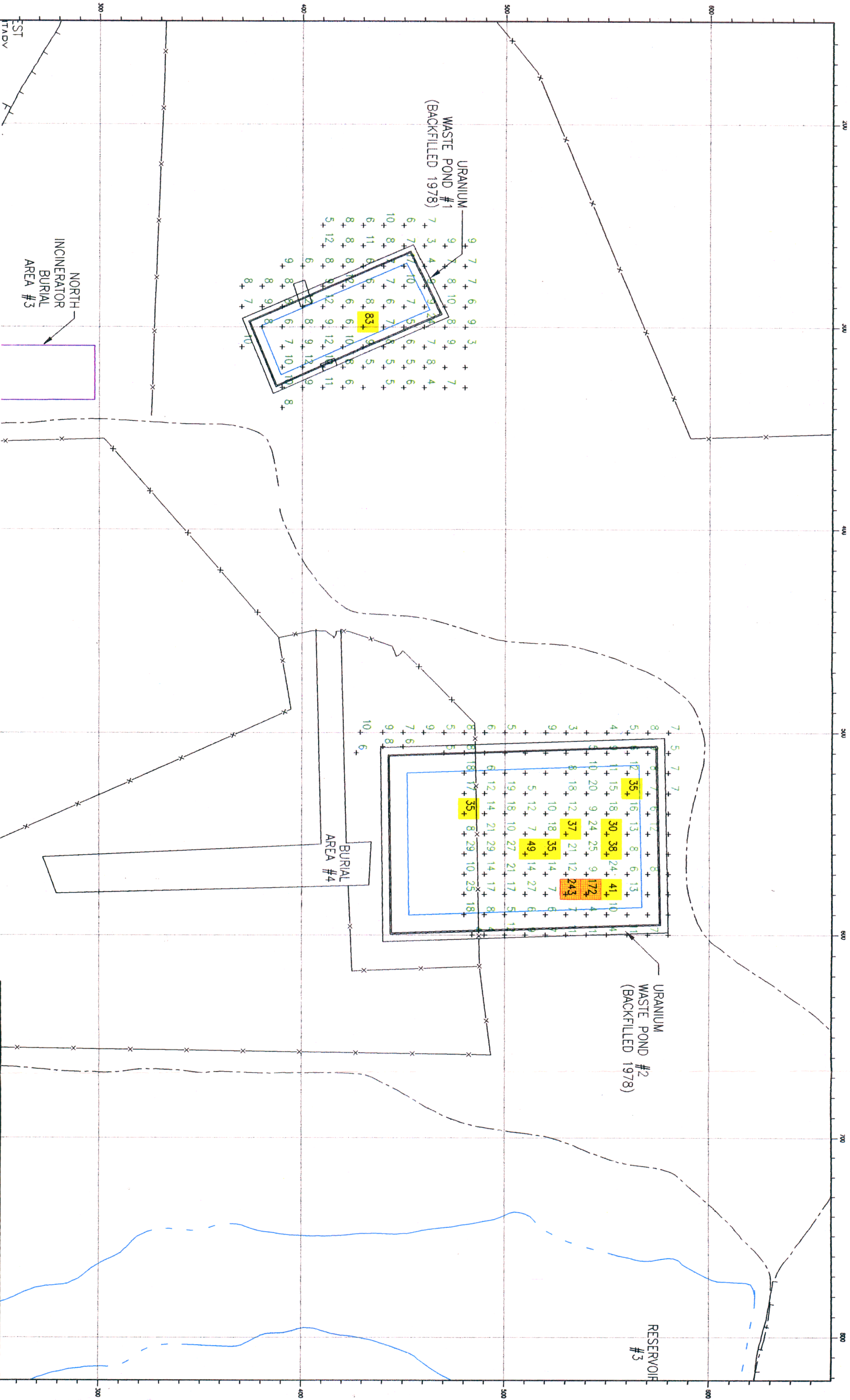








H:\COMMISSION\PEWELD\9.5.06\F-5



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

50+ 30-89 pCi/g

100+ > 90 pCi/g

HT ROCK OR

WATER - NO

+ SAMPLE

CIMARRON CORPORATION

WASTE PONDS #1 AND #2

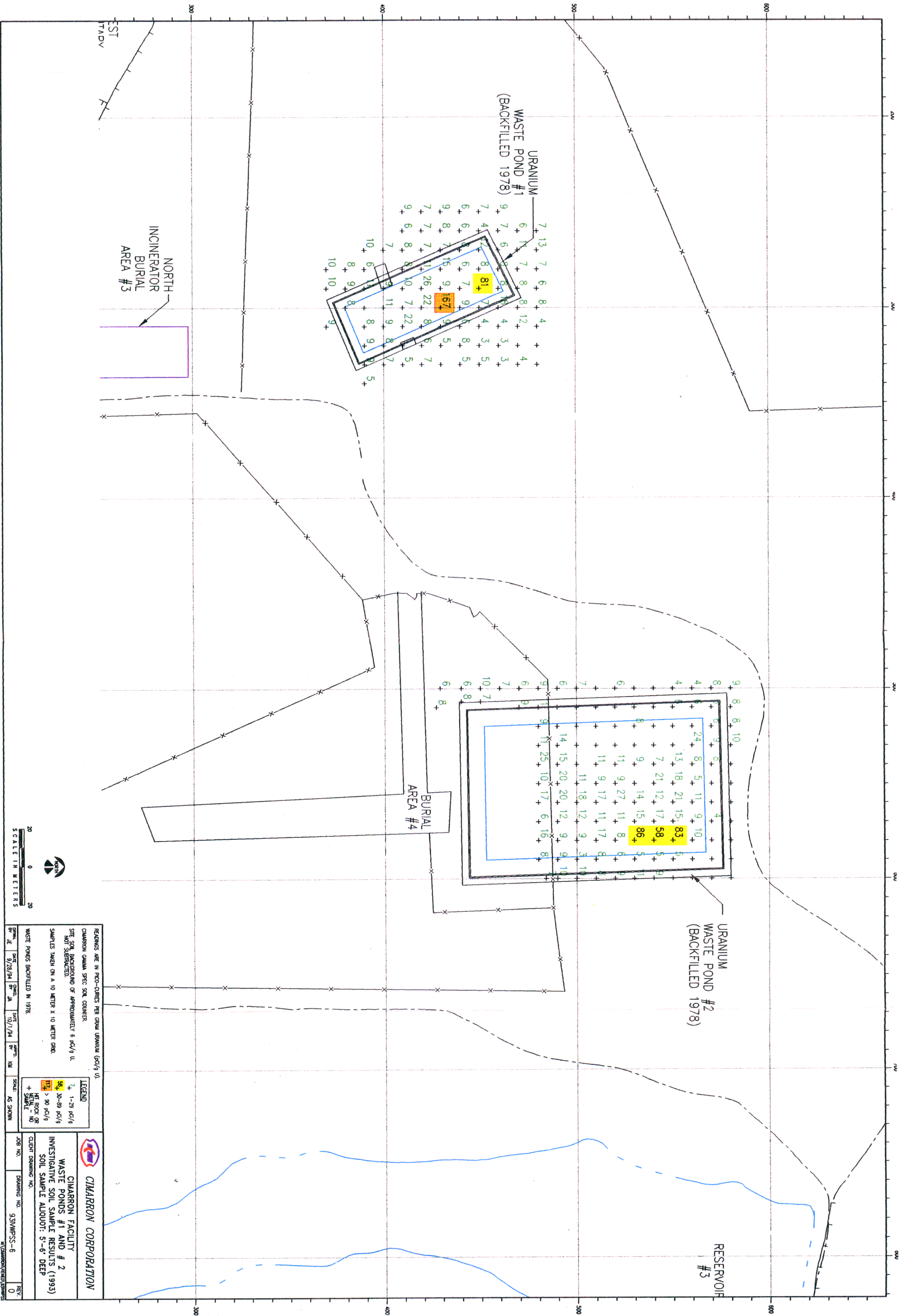
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

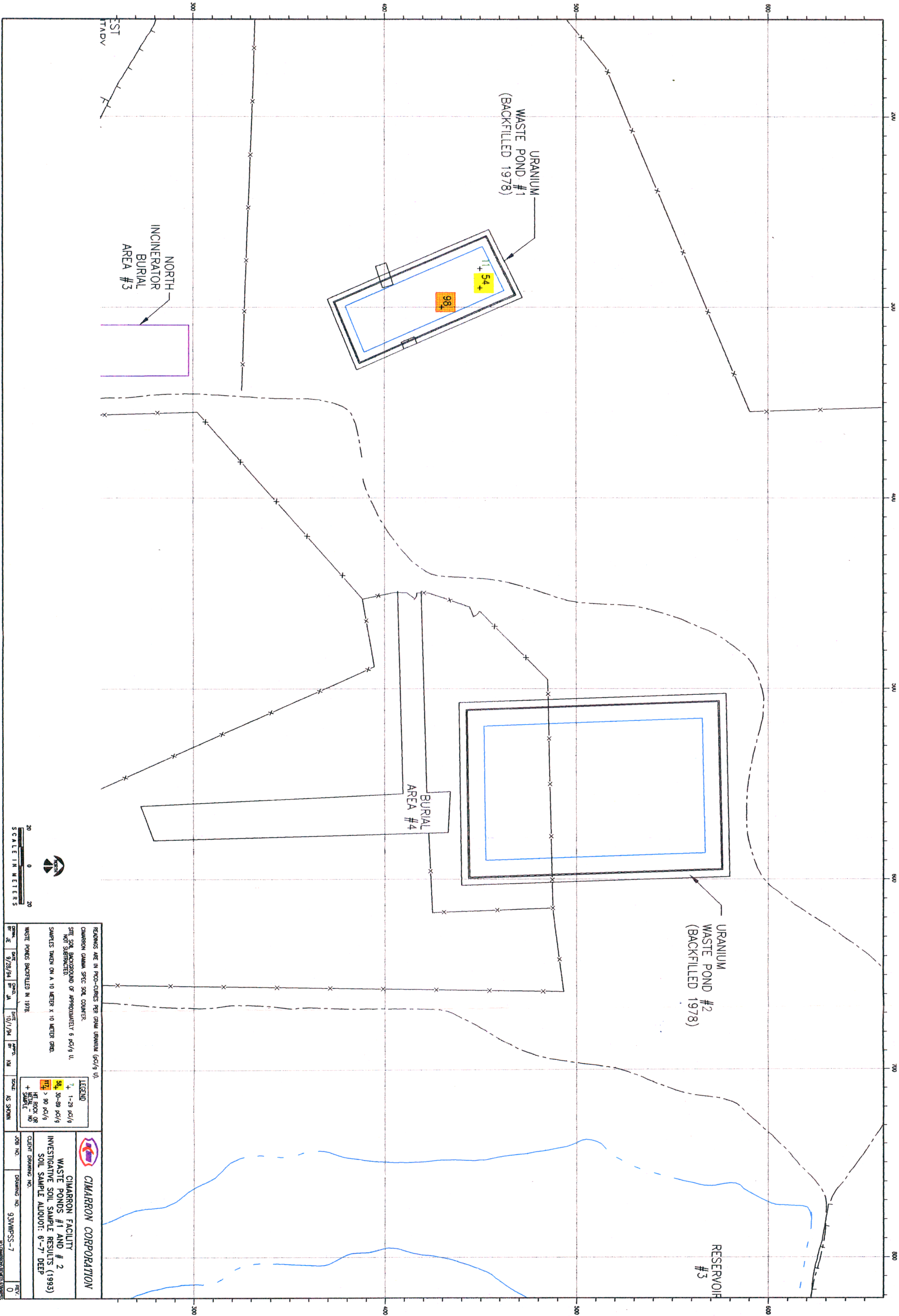
SOIL SAMPLE ALLOUT: 4'-5' DEEP

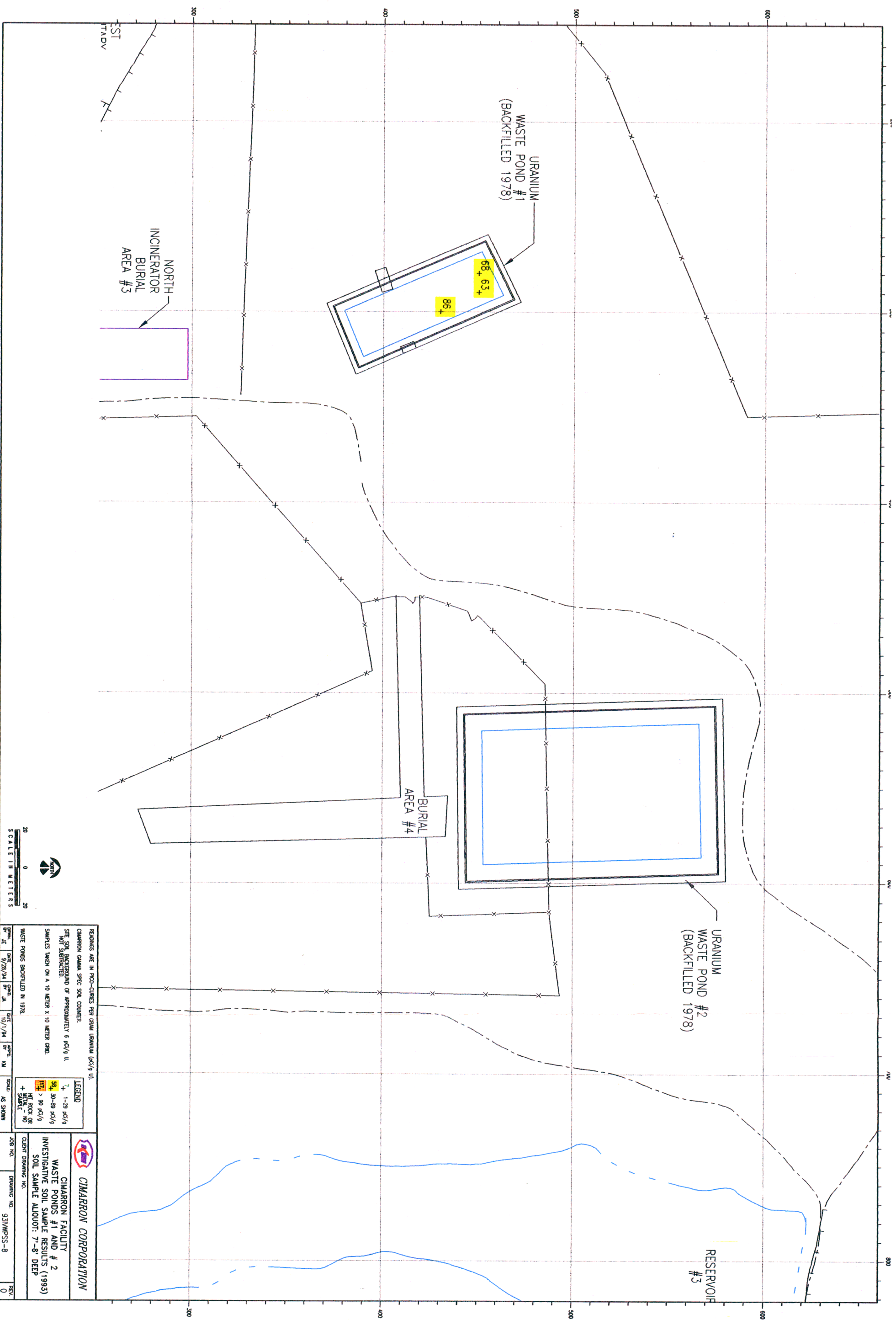
CLIENT DRAWING NO.

DRAWING NO. 93IMPSS-5

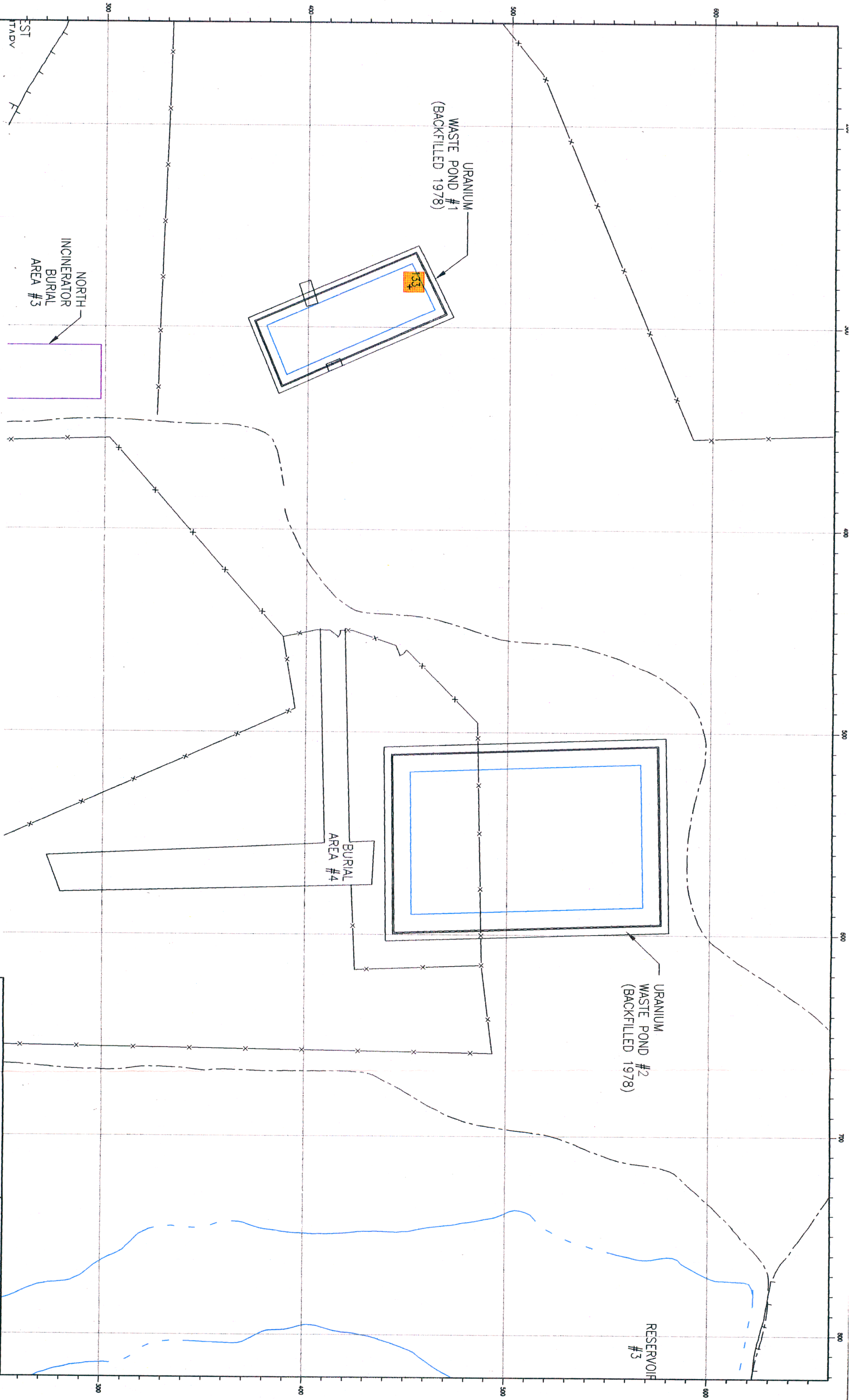
REV. 0







\\COLUMBIA\PE\PE\9.5\WP



REMARKS 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.

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)

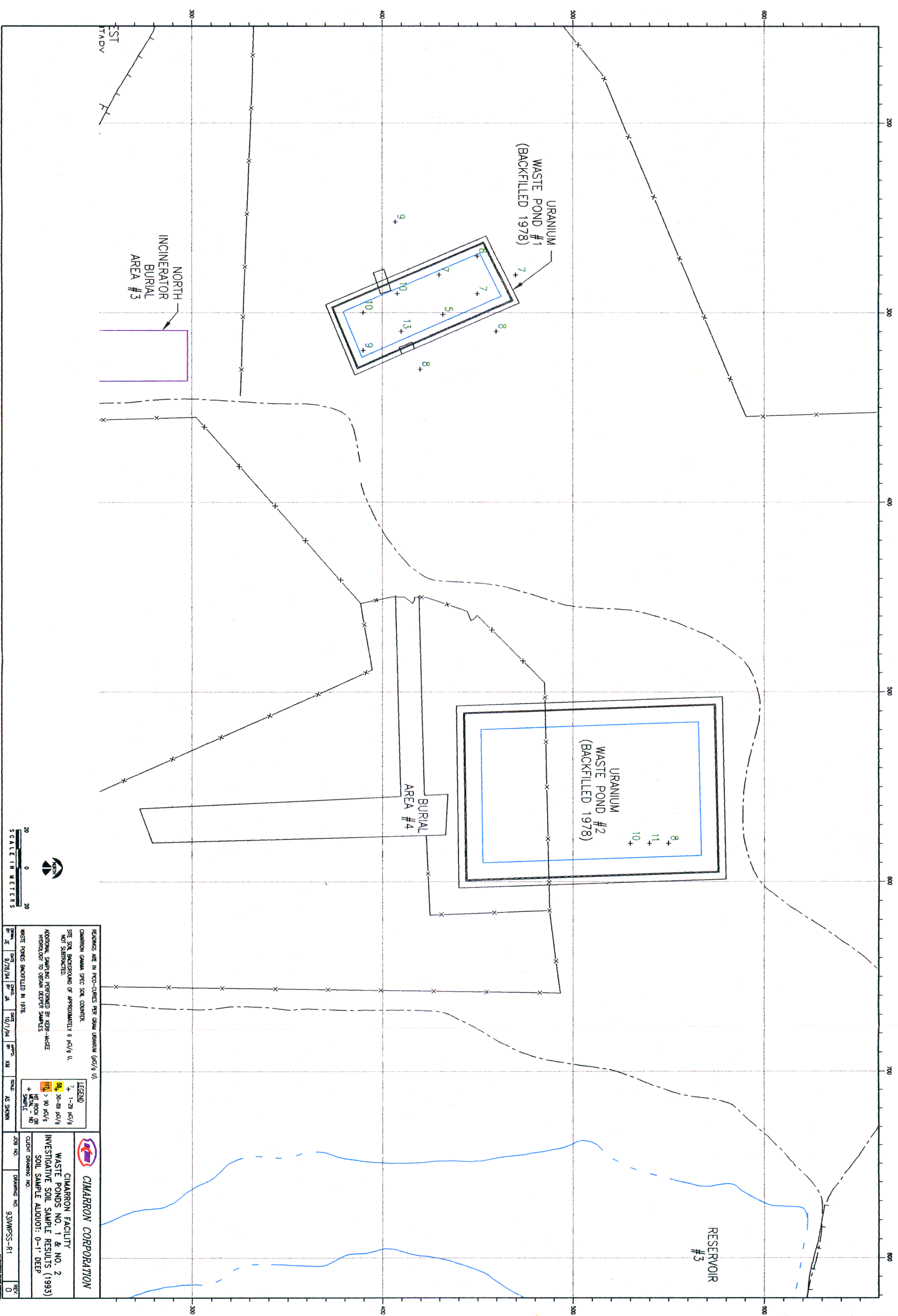
SOIL SAMPLE ALIQUOT: 8"-9" DEEP

CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 93WMPSS-9

REV. 0



CIMARRON CORPORATION

CIMARRON FACILITY

WASTE PONDS NO. 1 & NO. 2

SOIL SAMPLE ALIQUOT: 0-1' DEEP

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.
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951WIP55-K1



CIMARRON CORPORATION

CIMARRON FACILITY

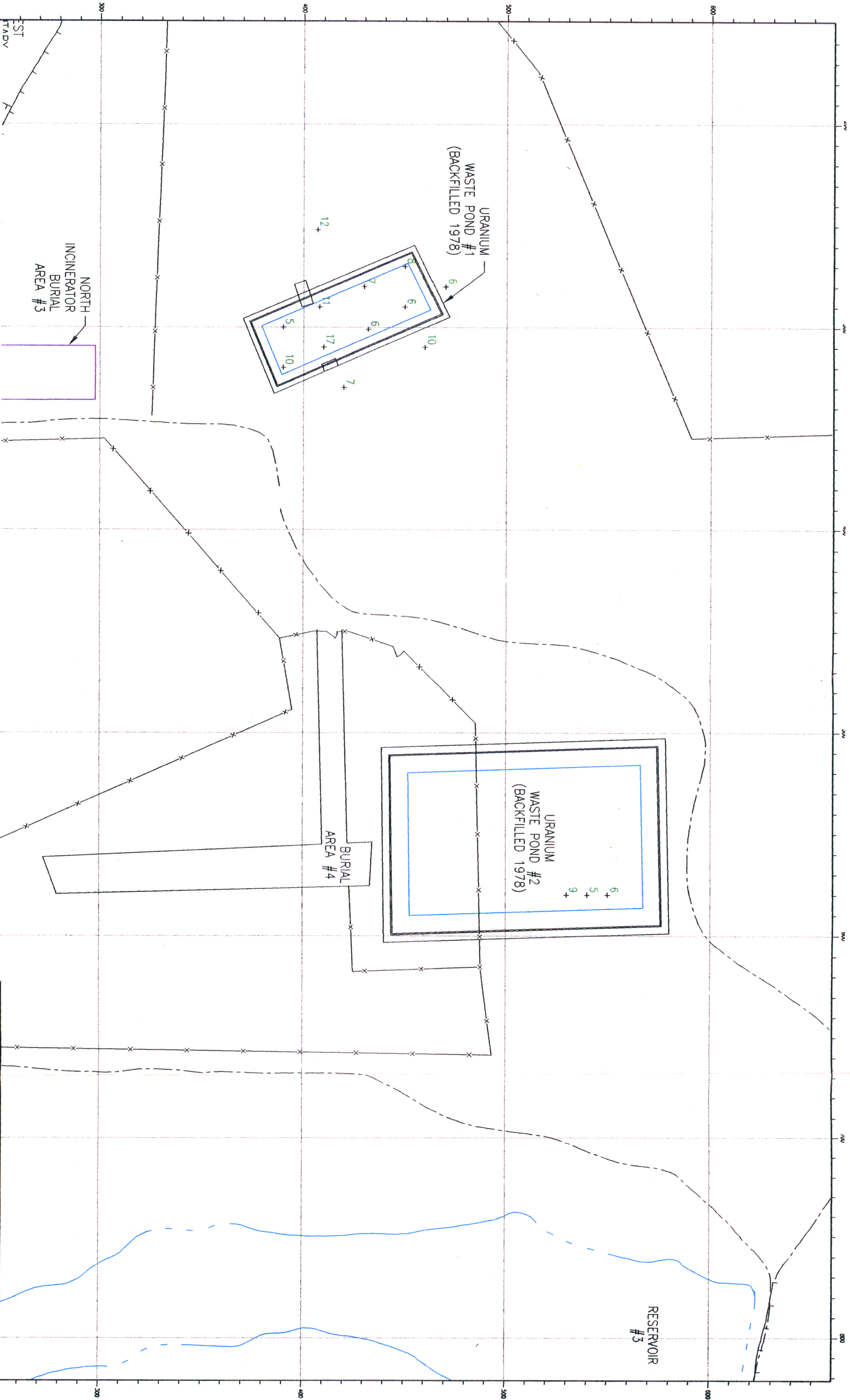
WASTE PONDS NO. 1 & NO. 2

SOIL SAMPLE ALIQUOT: 0-1' DEEP

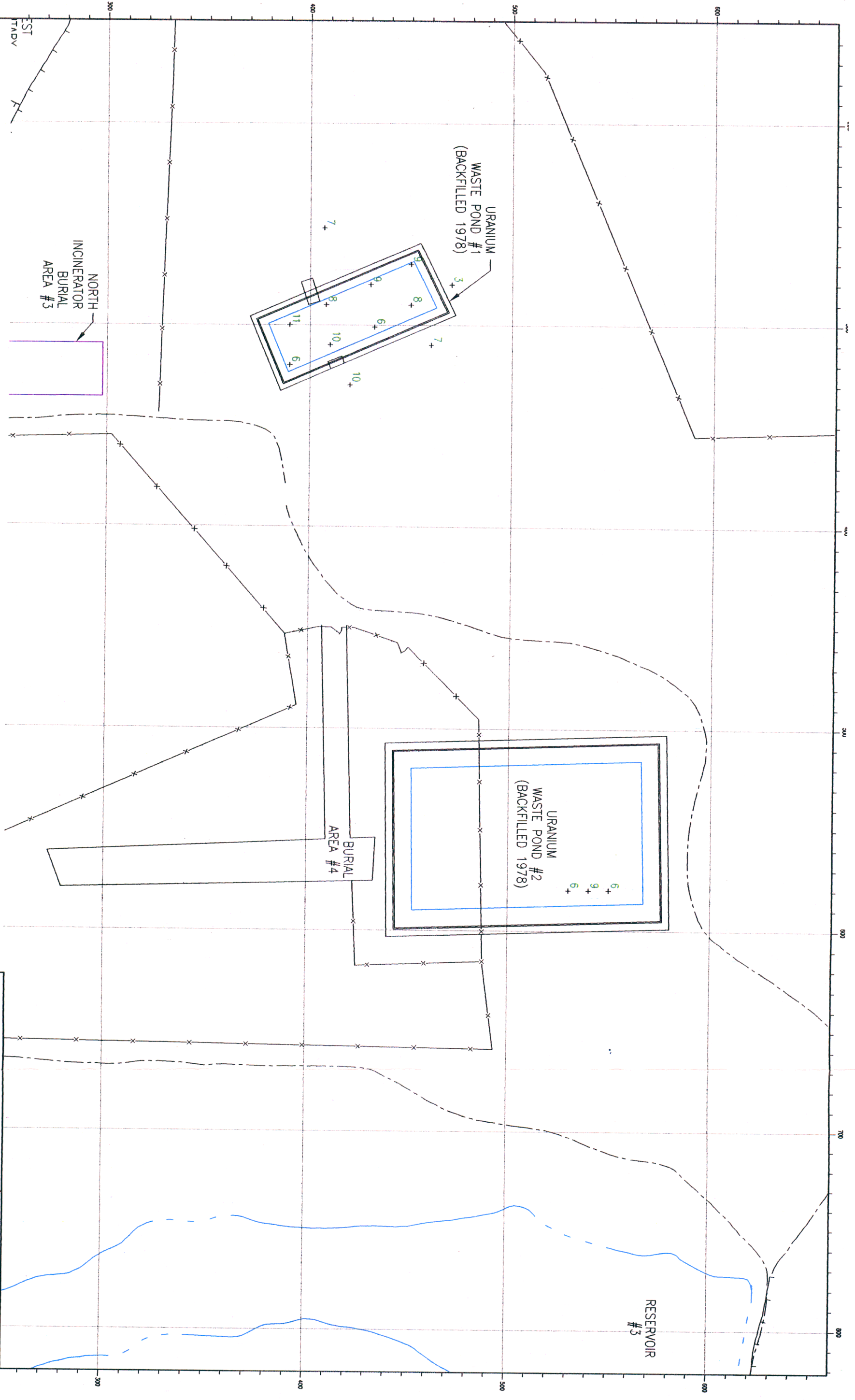
CLIENT DRAWING NO.

JOB NO.	DRAWING NO.
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951WIP55-K1



REMARKS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).											
CUMARON GAMMA SPEC SOIL COUNTER.											
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U.											
NOT SUBTRACTED.											
ADDITIONAL SAMPLING PERFORMED BY KERR-MCGEE											
HYDROLOGIST TO OBTAIN DEEPER SAMPLES.											
WASTE PONDS BACKFILLED IN 1978.											
DATE: 8/23/94 BY: JA											
DATE: 10/1/94 BY: WA											
SCALE: AS SHOWN											
LEGEND											
7+ 1-29 pCi/g											
8+ 30-59 pCi/g											
12+ > 90 pCi/g											
HIT ROCK OR											
+ SAMPLE											
CUMARON CORPORATION											
WASTE PONDS NO. 1 & NO. 2											
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)											
SOIL SAMPLE ALIQUOT: 1"-2" DEEP											
CLIENT DRAWING NO.											
DRAWING NO. 93WPPSS-R2											
JOB NO.											
PSC.											



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

CIMARRON CANADA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pg/g U.

NOT SUBTRACTED.

ADDITIONAL SAMPLING PERFORMED BY KERR-MCCOY

HYDROLOGIST TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

LEGEND

+

1-29 pg/g

+

30-89 pg/g

+

> 90 pg/g

+

HT ROCK OR

+

WELL - NO

+

SAMPLE

CIMARRON CORPORATION

WASTE PONDS NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOUOT: 2-3" DEEP

CLIENT DRAWING NO.

DRAWING NO.

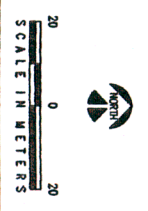
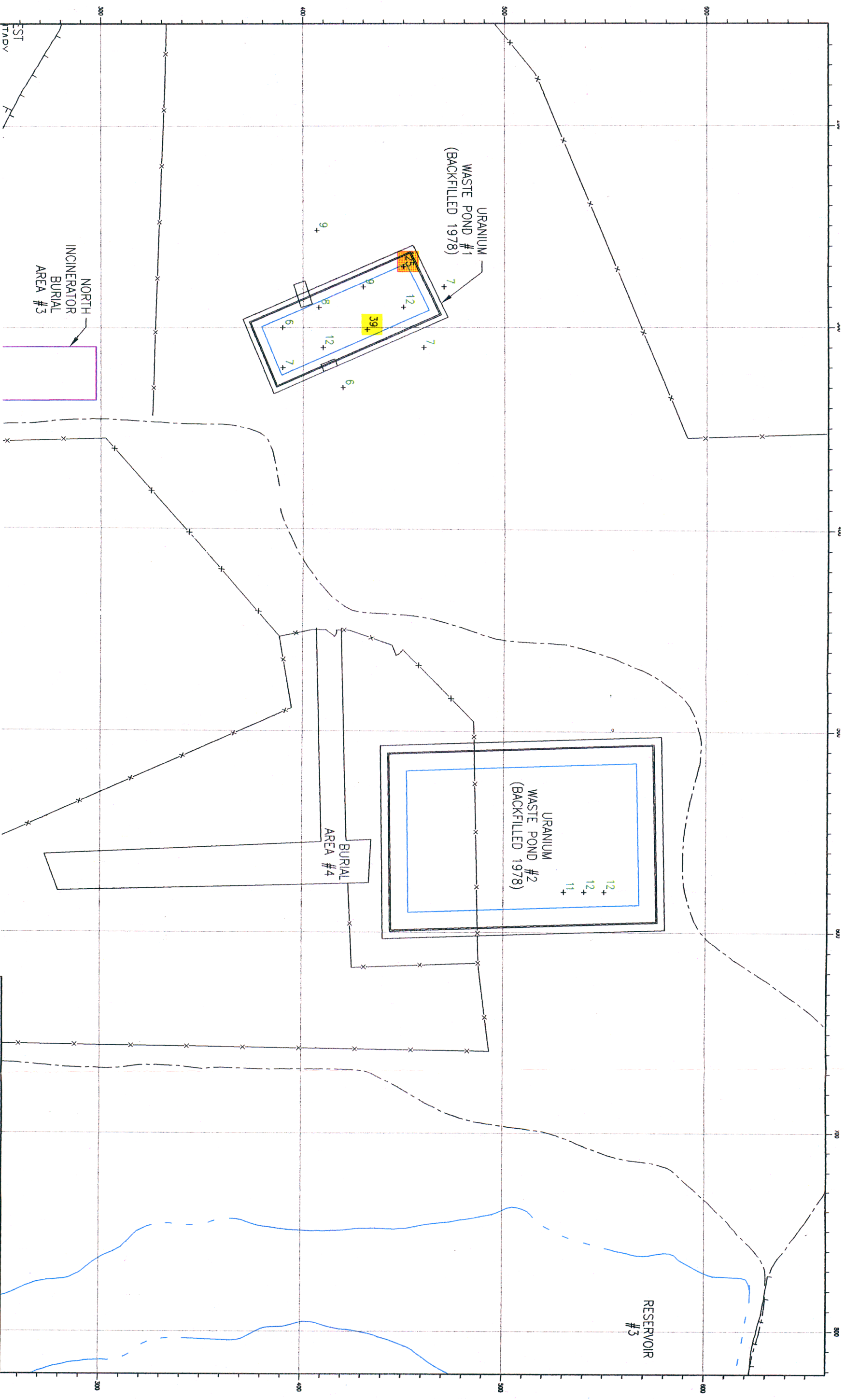
93WPPS-R3

JOB NO.

REV.

0

03/20/2025



REVISIONS ARE IN PRO-CLONES PER GRAM URANIUM (G/G U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 PC/G U.

NOT SUBTRACTED.

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

WASTE PONDS BACKFILLED IN 1978.

LEGEND

7+ 1-29 PC/G

39+ 30-89 PC/G

11+ > 90 PC/G

WELL ROCK OR + SAMPLE

CIMARRON CORPORATION

WASTE POND NO. 1 & NO. 2

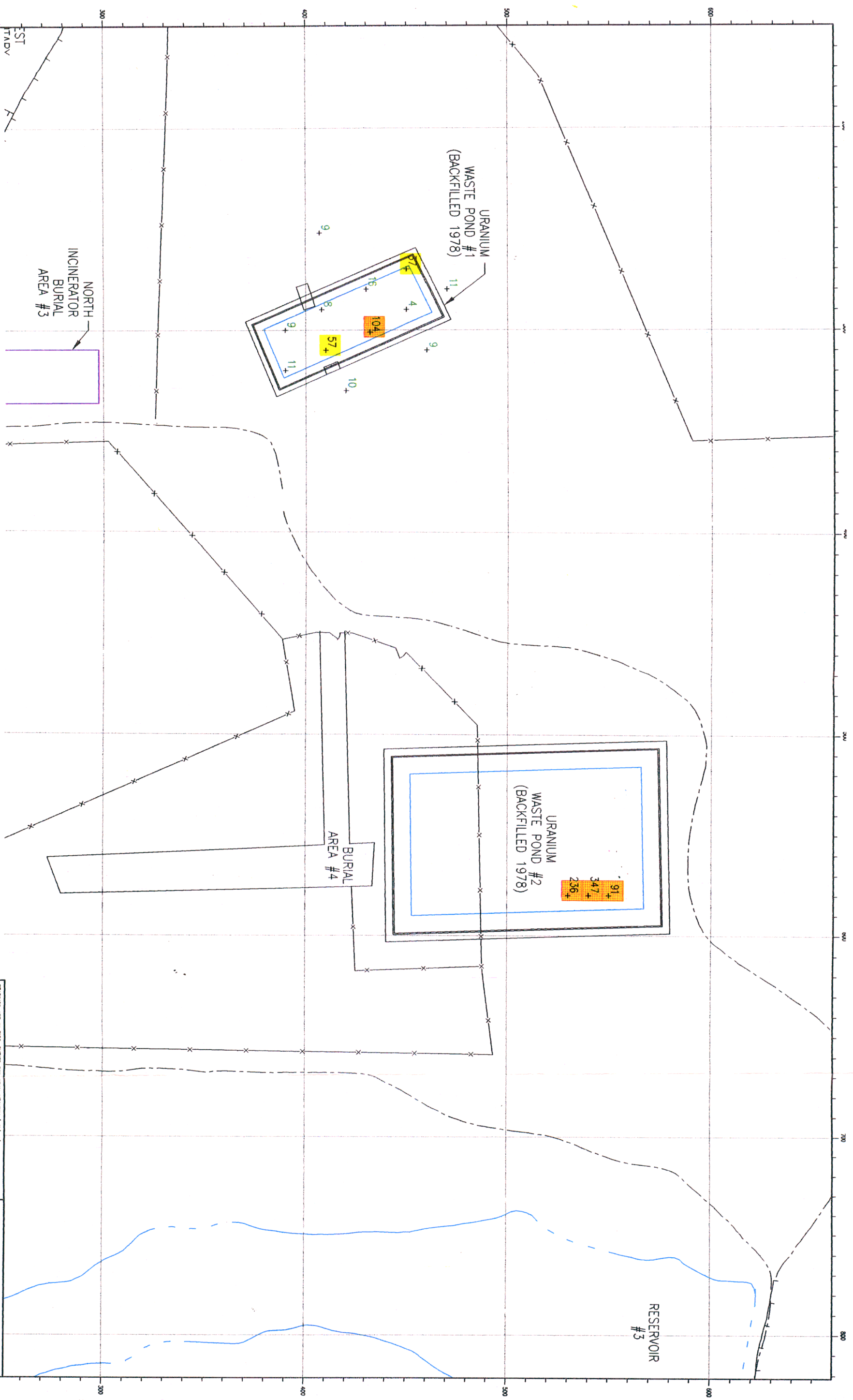
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOUOT: 3'-4' DEEP

CLIENT DRAWING NO.

DRAWING NO. 93MPPS-R4

REV. 0



REMARKS ARE IN PRO-CURIES 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-MAGEE HYDROLOGIST TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

LEGEND

7+ 1-29 pc/g

86+ 30-89 pc/g

117+ > 90 pc/g

HIT ROCK OR HOLE IN SAMPLE

CIMARRON CORPORATION

CIMARRON FACILITY

WASTE PONDS NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOQUOT: 4"-5" DEEP

CLIENT DRAWING NO.

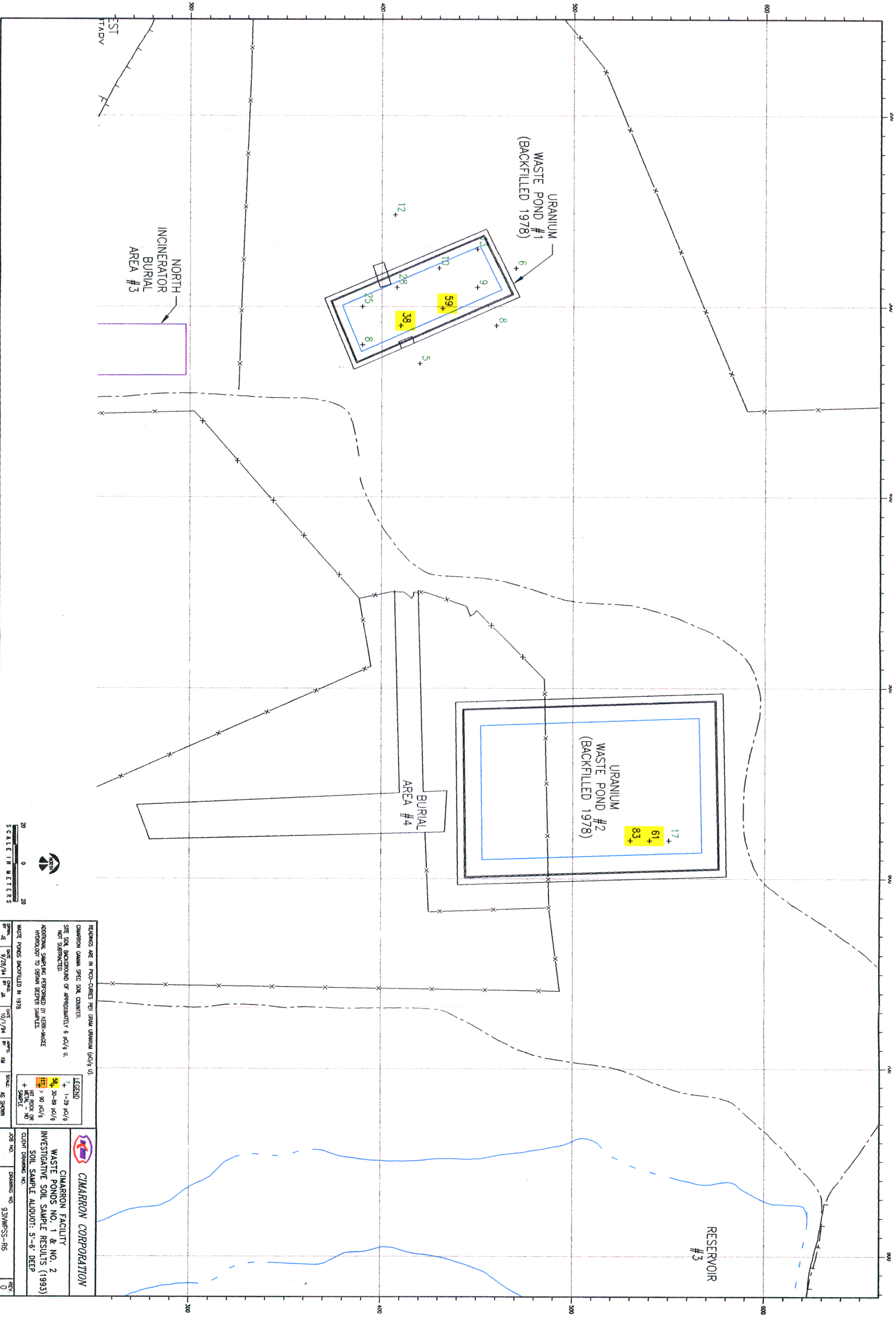
JOB NO.

DRAWING NO.

33WMPSS-R5

REV.

0



REMARKS ARE IN PRO-CURIES PER GRAM URANIUM (pc/g U).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 pc/g U.

ADDITIONAL SAMPLING PERFORMED BY KERR-WAGGE

HYDROLOGY TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978

CIMARRON CORPORATION

WASTE POND NO. 1 & NO. 2

INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALLOQUOT: 5'-6" DEEP

CLIENT DRAWING NO.

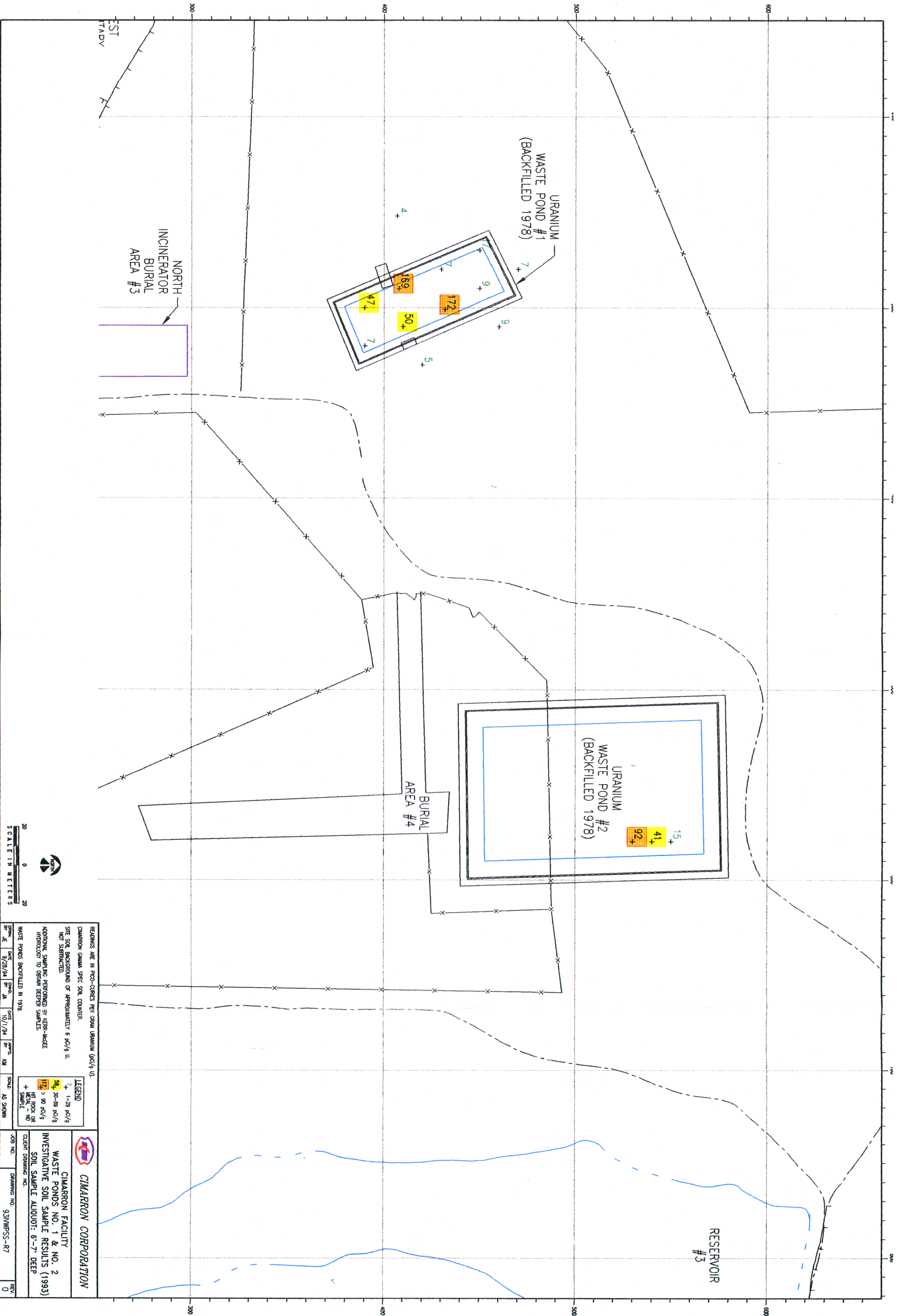
DRAWING NO. 93WPPSS-R6

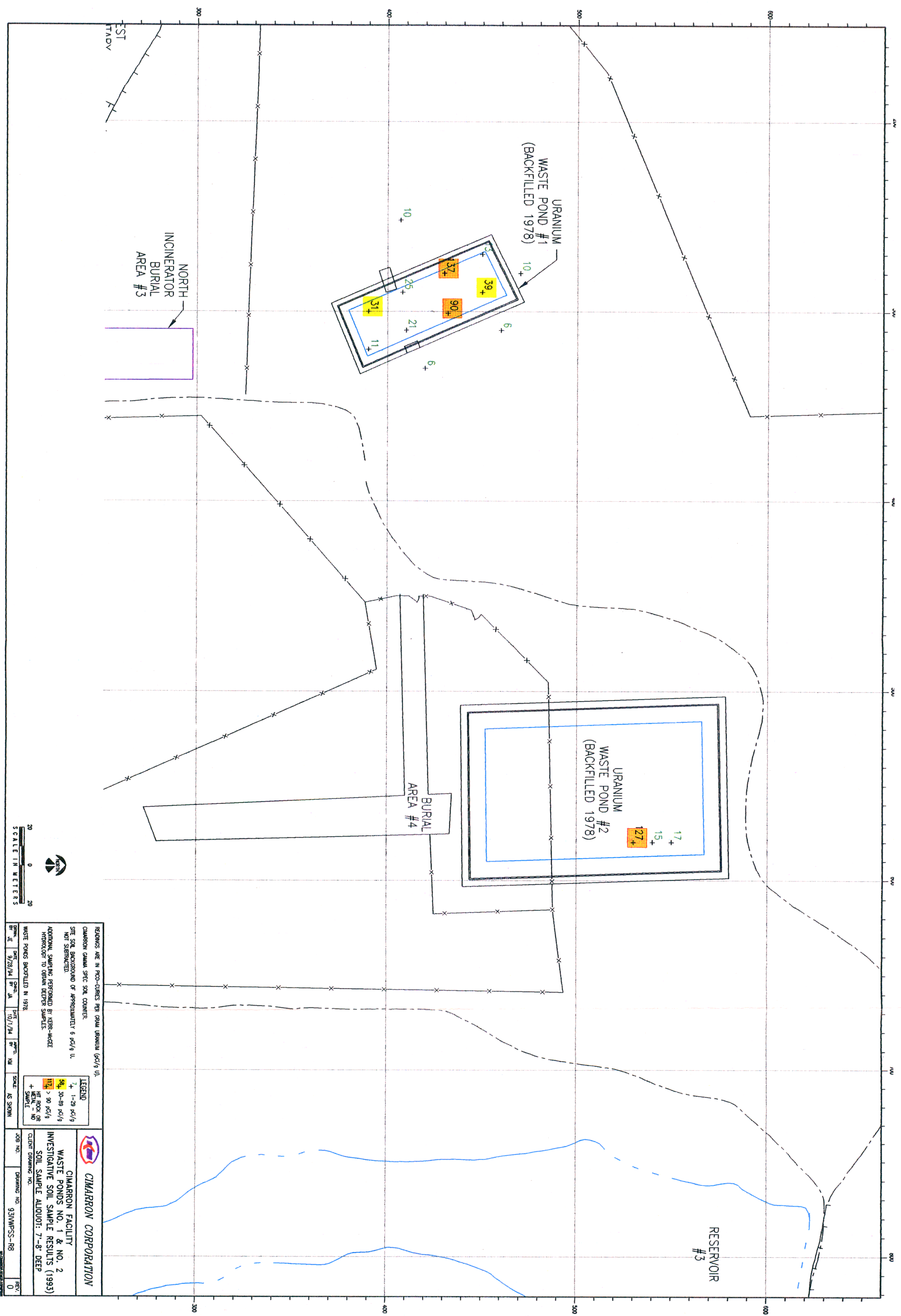
DATE

BY

SCALE

AS SHOWN





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.
	931WPSS-R8

READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pci/g U).
CHAMBERON 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	CHRG. JA	DATE 10/1/94	APPD. KJL	SCALE: AS SHOWN
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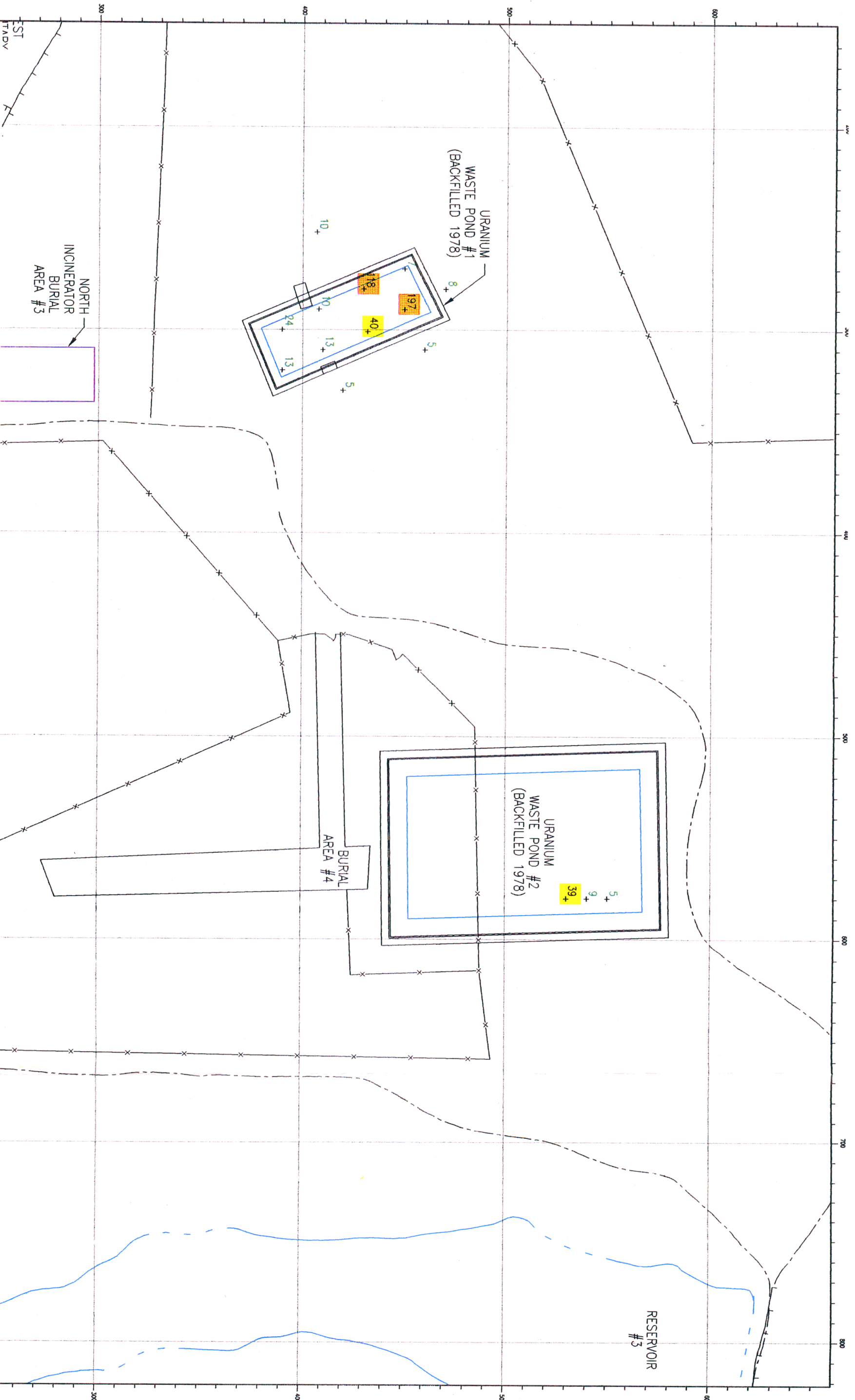
LEGEND

1-29 pci/g + 7

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-MACKEE HYDROLOGIST TO OBTAIN DEEPER SAMPLES.

WASTE PONDS BACKFILLED IN 1978.

LEGEND

7+ 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)

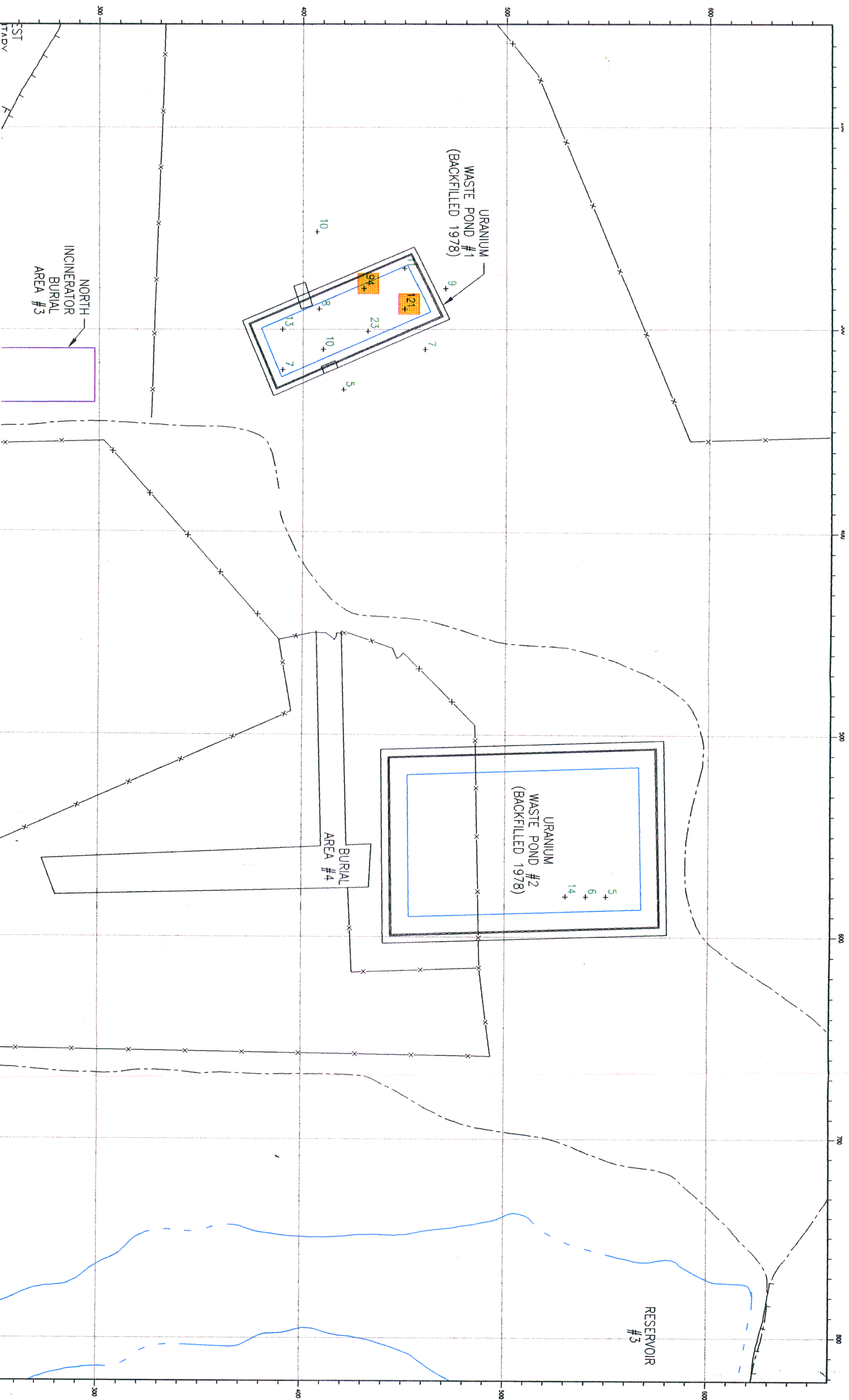
SOIL SAMPLE ALIQUOT: 8"-9" DEEP

CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 93WPPSS-R9

REV. 0



RECORDS ARE IN PICO-COUNTS PER GRAM URANIUM (GCP/G U)

CIMARRON GAMMA SPEC SOIL COUNTER

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

ADDITIONAL SAMPLING PERFORMED BY KERR-HOGE
HYDROLOGIST TO OBTAIN DEEPER SAMPLES

WASTE PONDS BACKFILLED IN 1978

DATE 9/28/94 BY JA

DATE 10/1/94 BY NM

SCALE AS SHOWN

LEGEND

7+ 1-29 ppi/g

59+ 30-89 ppi/g

117+ > 90 ppi/g

HIT ROCK OR
METAL - NO
+ SAMPLE

CIMARRON CORPORATION

WASTE PONDS NO. 1 & NO. 2

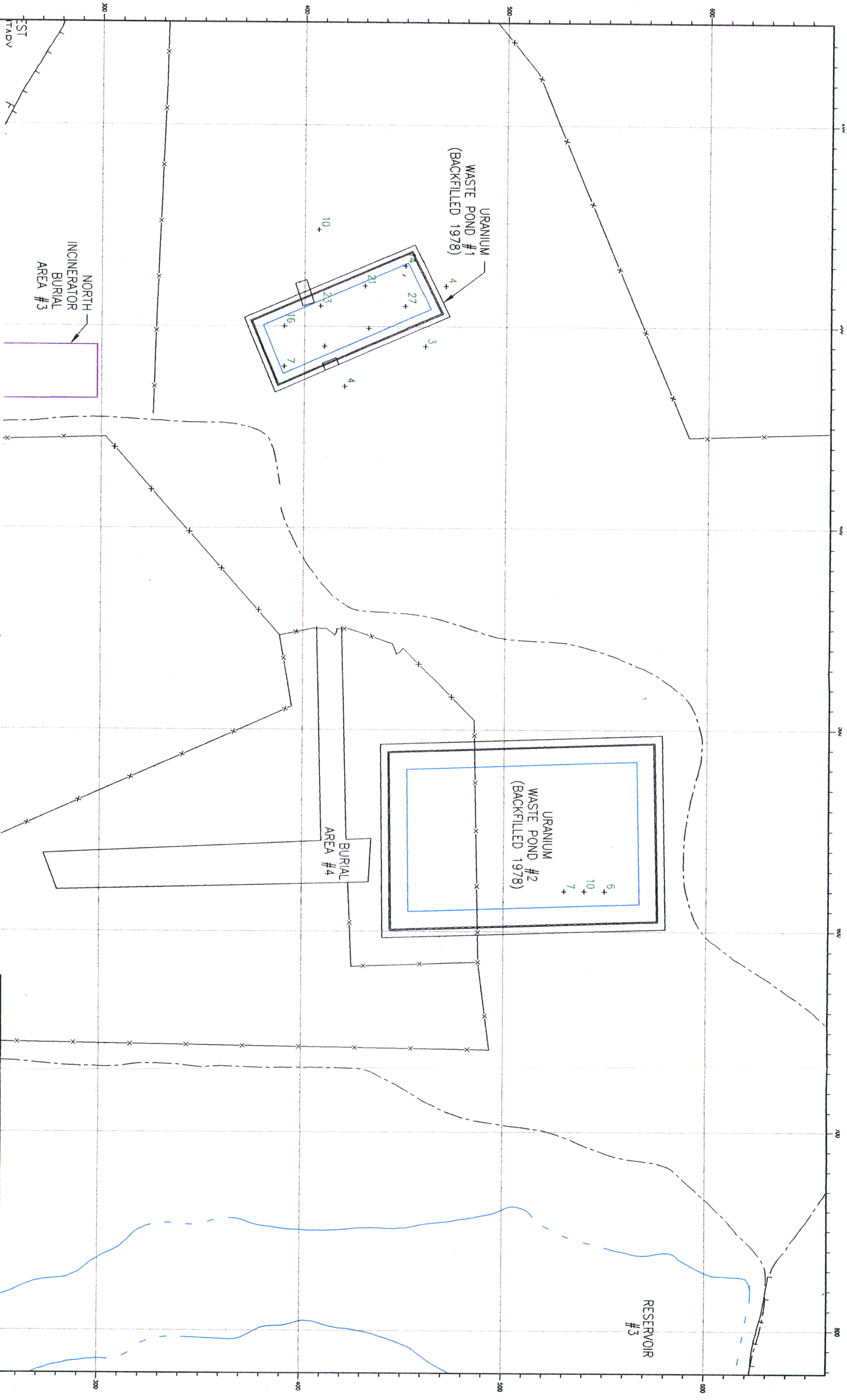
INVESTIGATIVE SOIL SAMPLE RESULTS (1993)

SOIL SAMPLE ALIQUOT: 9"-10" DEEP

CLIENT DRAWING NO.

DRAWING NO. 93WMPSS-R10

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

CLIENT DRAWING NO.

LEGEND

7+ 1-29 pCi/g

50-89 pCi/g

100-299 pCi/g

300-599 pCi/g

600-899 pCi/g

900-1199 pCi/g

1200-1499 pCi/g

1500-1799 pCi/g

1800-2099 pCi/g

2100-2399 pCi/g

2400-2699 pCi/g

2700-2999 pCi/g

3000-3299 pCi/g

3300-3599 pCi/g

3600-3899 pCi/g

3900-4199 pCi/g

4200-4499 pCi/g

4500-4799 pCi/g

4800-5099 pCi/g

5100-5399 pCi/g

5400-5699 pCi/g

5700-5999 pCi/g

6000-6299 pCi/g

6300-6599 pCi/g

6600-6899 pCi/g

6900-7199 pCi/g

7200-7499 pCi/g

7500-7799 pCi/g

7800-8099 pCi/g

8100-8399 pCi/g

8400-8699 pCi/g

8700-8999 pCi/g

9000-9299 pCi/g

9300-9599 pCi/g

9600-9899 pCi/g

9900-10199 pCi/g

10200-10499 pCi/g

10500-10799 pCi/g

10800-11099 pCi/g

11100-11399 pCi/g

11400-11699 pCi/g

11700-11999 pCi/g

12000-12299 pCi/g

12300-12599 pCi/g

12600-12899 pCi/g

12900-13199 pCi/g

13200-13499 pCi/g

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13800-14099 pCi/g

14100-14399 pCi/g

14400-14699 pCi/g

14700-14999 pCi/g

15000-15299 pCi/g

15300-15599 pCi/g

15600-15899 pCi/g

15900-16199 pCi/g

16200-16499 pCi/g

16500-16799 pCi/g

16800-17099 pCi/g

17100-17399 pCi/g

17400-17699 pCi/g

17700-17999 pCi/g

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18600-18899 pCi/g

18900-19199 pCi/g

19200-19499 pCi/g

19500-19799 pCi/g

19800-20099 pCi/g

20100-20399 pCi/g

20400-20699 pCi/g

20700-20999 pCi/g

21000-21299 pCi/g

21300-21599 pCi/g

21600-21899 pCi/g

21900-22199 pCi/g

22200-22499 pCi/g

22500-22799 pCi/g

22800-23099 pCi/g

23100-23399 pCi/g

23400-23699 pCi/g

23700-23999 pCi/g

24000-24299 pCi/g

24300-24599 pCi/g

24600-24899 pCi/g

24900-25199 pCi/g

25200-25499 pCi/g

25500-25799 pCi/g

25800-26099 pCi/g

26100-26399 pCi/g

26400-26699 pCi/g

26700-26999 pCi/g

27000-27299 pCi/g

27300-27599 pCi/g

27600-27899 pCi/g

27900-28199 pCi/g

28200-28499 pCi/g

28500-28799 pCi/g

28800-29099 pCi/g

29100-29399 pCi/g

29400-29699 pCi/g

29700-29999 pCi/g

30000-30299 pCi/g

30300-30599 pCi/g

30600-30899 pCi/g

30900-31199 pCi/g

31200-31499 pCi/g

31500-31799 pCi/g

31800-32099 pCi/g

32100-32399 pCi/g

32400-32699 pCi/g

32700-32999 pCi/g

33000-33299 pCi/g

33300-33599 pCi/g

33600-33899 pCi/g

33900-34199 pCi/g

34200-34499 pCi/g

34500-34799 pCi/g

34800-35099 pCi/g

35100-35399 pCi/g

35400-35699 pCi/g

35700-35999 pCi/g

36000-36299 pCi/g

36300-36599 pCi/g

36600-36899 pCi/g

36900-37199 pCi/g

37200-37499 pCi/g

37500-37799 pCi/g

37800-38099 pCi/g

38100-38399 pCi/g

38400-38699 pCi/g

38700-38999 pCi/g

39000-39299 pCi/g

39300-39599 pCi/g

39600-39899 pCi/g

39900-40199 pCi/g

40200-40499 pCi/g

40500-40799 pCi/g

40800-41099 pCi/g

41100-41399 pCi/g

41400-41699 pCi/g

41700-41999 pCi/g

42000-42299 pCi/g

42300-42599 pCi/g

42600-42899 pCi/g

42900-43199 pCi/g

43200-43499 pCi/g

43500-43799 pCi/g

43800-44099 pCi/g

44100-44399 pCi/g

44400-44699 pCi/g

44700-44999 pCi/g

45000-45299 pCi/g

45300-45599 pCi/g

45600-45899 pCi/g

45900-46199 pCi/g

46200-46499 pCi/g

46500-46799 pCi/g

46800-47099 pCi/g

47100-47399 pCi/g

47400-47699 pCi/g

47700-47999 pCi/g

48000-48299 pCi/g

48300-48599 pCi/g

48600-48899 pCi/g

48900-49199 pCi/g

49200-49499 pCi/g

49500-49799 pCi/g

49800-50099 pCi/g

50100-50399 pCi/g

50400-50699 pCi/g

50700-50999 pCi/g

51000-51299 pCi/g

51300-51599 pCi/g

51600-51899 pCi/g

51900-52199 pCi/g

52200-52499 pCi/g

52500-52799 pCi/g

52800-53099 pCi/g

53100-53399 pCi/g

53400-53699 pCi/g

53700-53999 pCi/g

54000-54299 pCi/g

54300-54599 pCi/g

54600-54899 pCi/g

54900-55199 pCi/g

55200-55499 pCi/g

55500-55799 pCi/g

55800-56099 pCi/g

56100-56399 pCi/g

56400-56699 pCi/g

56700-56999 pCi/g

57000-57299 pCi/g

57300-57599 pCi/g

57600-57899 pCi/g

57900-58199 pCi/g

58200-58499 pCi/g

58500-58799 pCi/g

58800-59099 pCi/g

59100-59399 pCi/g

59400-59699 pCi/g

59700-59999 pCi/g

60000-60299 pCi/g

60300-60599 pCi/g

60600-60899 pCi/g

60900-61199 pCi/g

61200-61499 pCi/g

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