

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

READINGS TAKEN ON A 10 METER X 10 METER GRID.

SURVEY PERFORMED BEFORE REMEDIATION.

DATE: 9/14/94
BY: JE

LEGEND
2290 < 3500 CPM
4261 3500 - 5000 CPM
6300 > 5000 CPM

CIMARRON CORPORATION

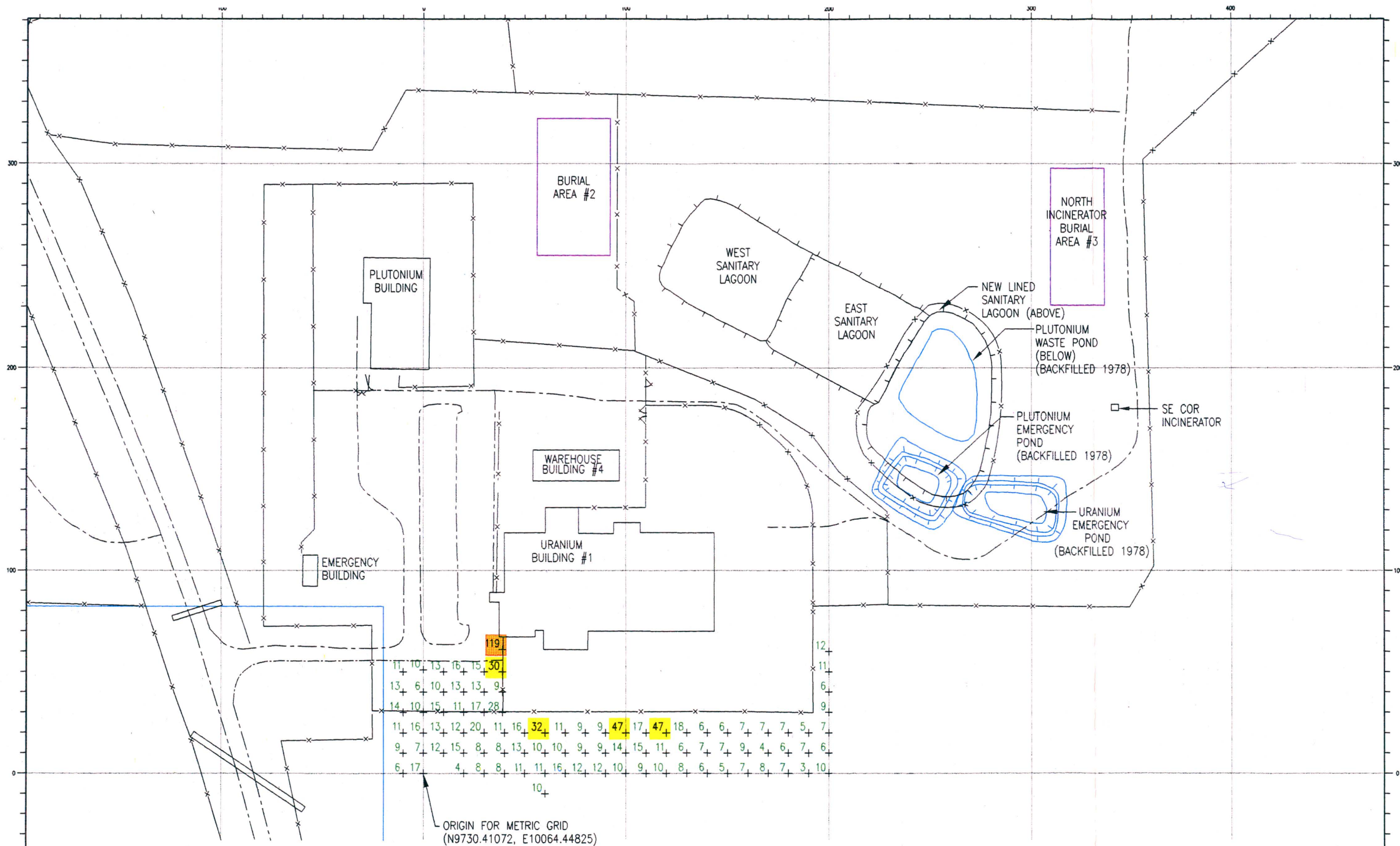
CIMARRON FACILITY
SOUTH OF URANIUM YARD
PRE-REMEDIATION GAMMA SURVEY (1990)
READINGS IN CPM (3" DET.)

CLIENT DRAWING NO.

JOB NO. DRAWING NO. 90PRSUD-0

REV. 0

SCALE IN METERS
0 20



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

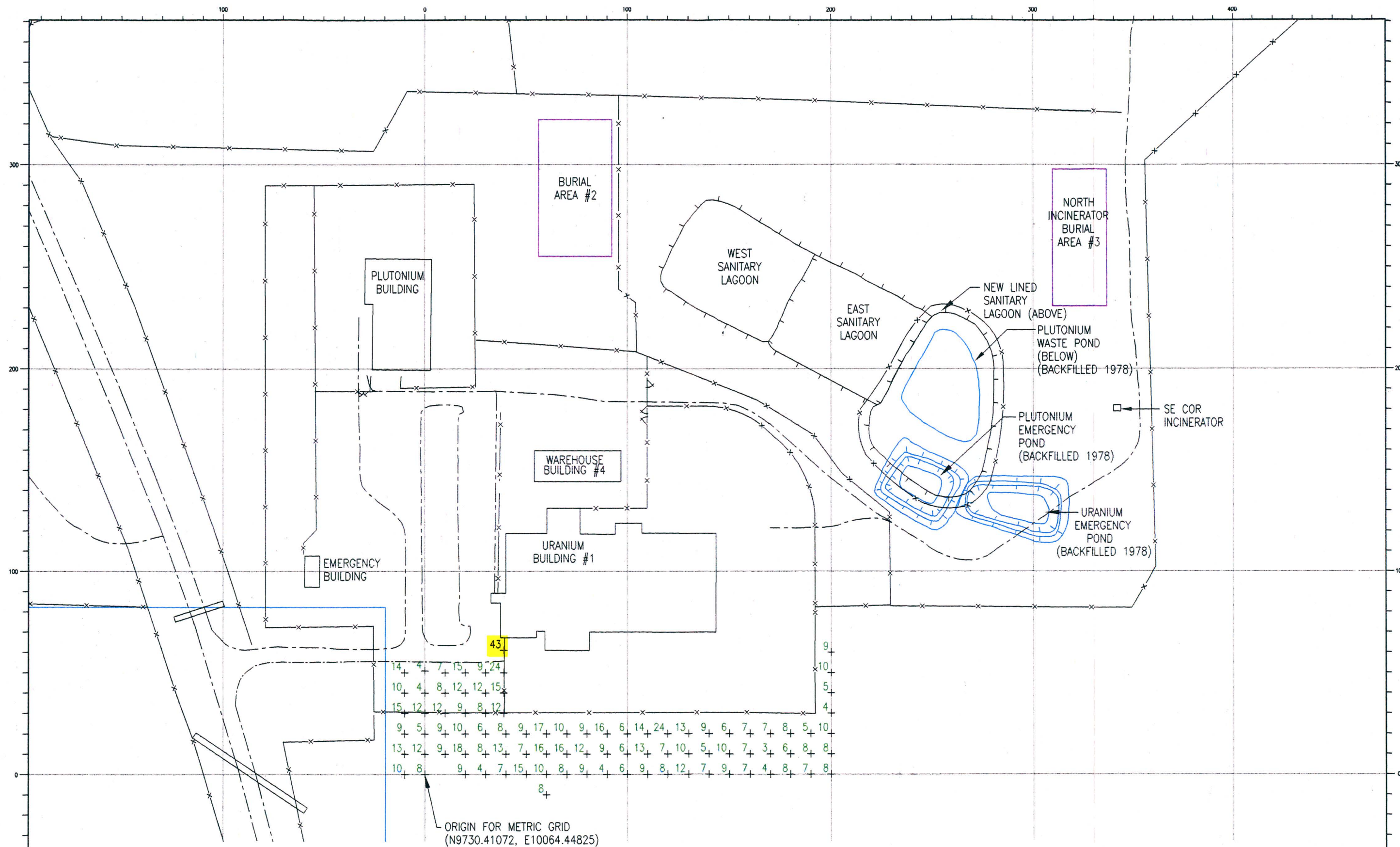
- 1 - 29 pCi/g U
- 30 - 89 pCi/g U
- > 90 pCi/g U

CIMARRON CORPORATION
 CIMARRON FACILITY
 SOUTH OF URANIUM YARD
 PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
 SOIL SAMPLE ALIQUOT: 0" - 6" DEEP

CLIENT DRAWING NO. 90PRSUS-0

DATE 9/14/94
 DATE 10/1/94
 SCALE AS SHOWN

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



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (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

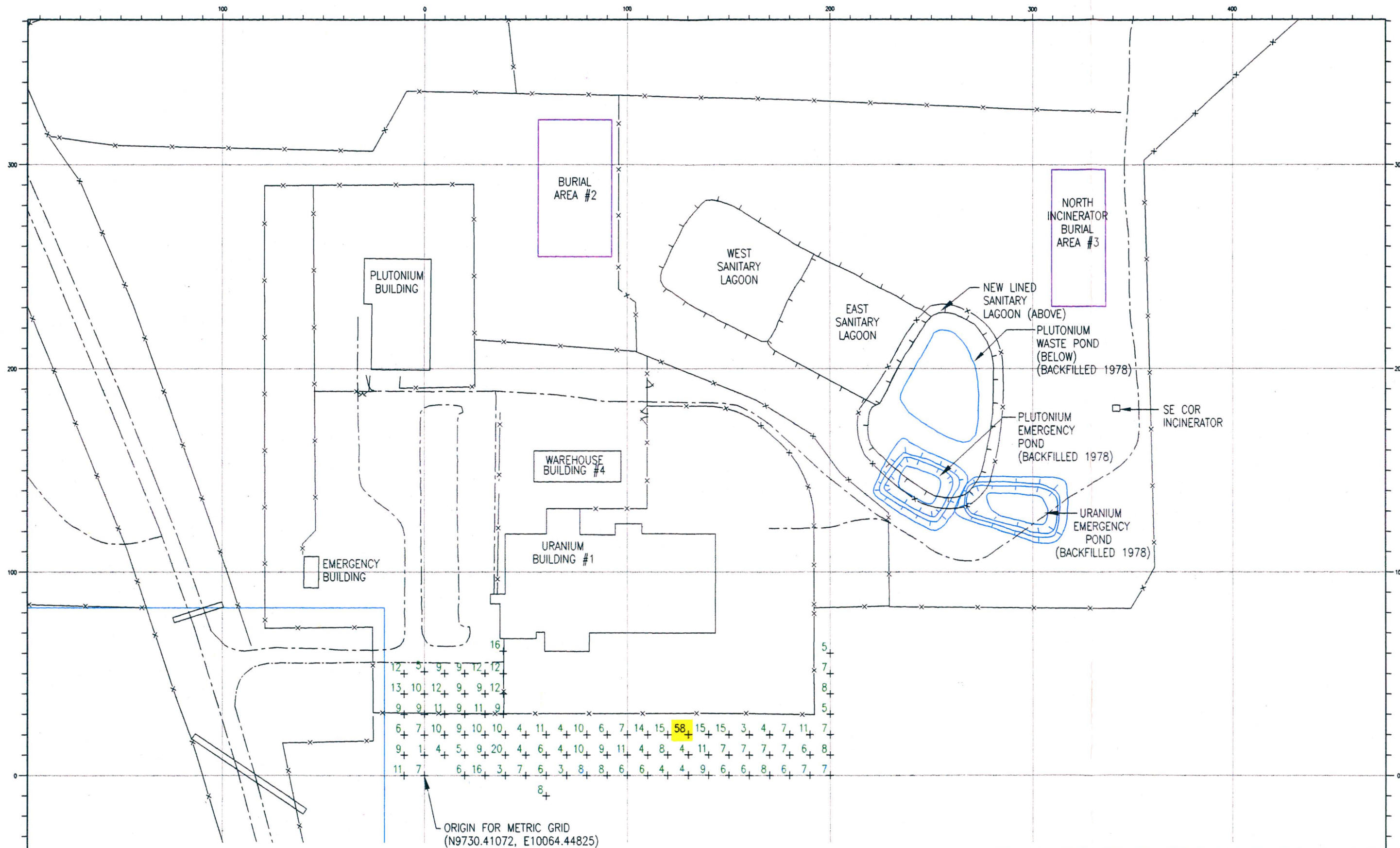
1 - 29 pCi/g U
30 - 89 pCi/g U
> 90 pCi/g U

CIMARRON CORPORATION

CIMARRON FACILITY
 SOUTH OF URANIUM YARD
 PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
 SOIL SAMPLE ALIQUOT: 6"-1' DEEP

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.
	90PRSUS-1	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.

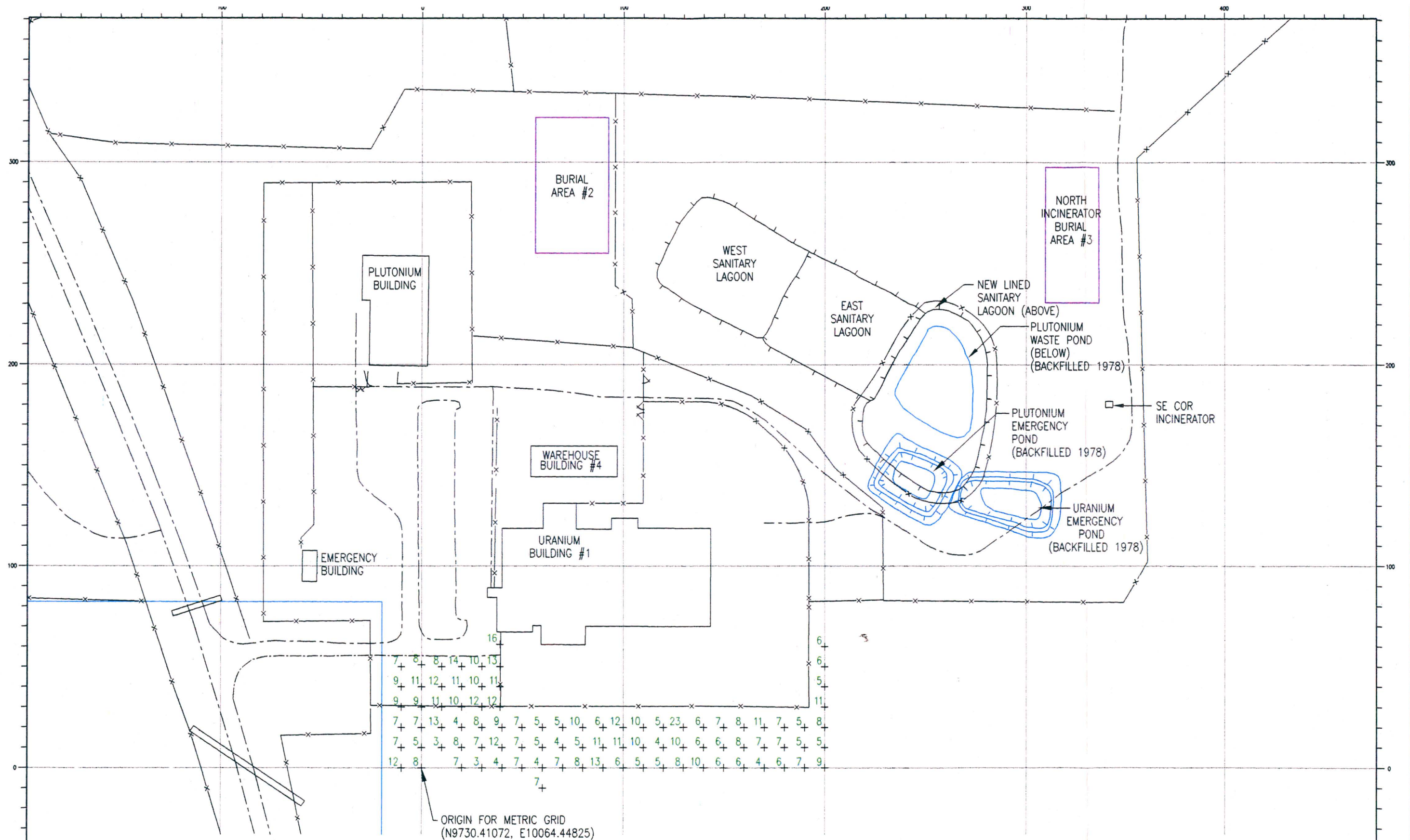
SAMPLES TAKEN ON 10 METER X 10 METER GRID.
SAMPLES TAKEN BEFORE REMEDIATION.

LEGEND
4 1 - 29 pCi/g U
55 30 - 89 pCi/g U
105 > 90 pCi/g U

CIMARRON CORPORATION
CIMARRON FACILITY
SOUTH OF URANIUM YARD
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
SOIL SAMPLE ALIQUOT: 1'-2" DEEP
CLIENT DRAWING NO.

JOB NO. 90PRSUSS-2
DRAWING NO. 90PRSUSS-2
REV. 0

DATE 9/14/94
DATE 10/1/94
SCALE AS SHOWN



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).
 CIMARRON GAMMA SPEC SOIL COUNTER.
 SITE SOIL BACKGROUND OF APPROXIMATELY 5 pCi/g U, NOT SUBTRACTED.

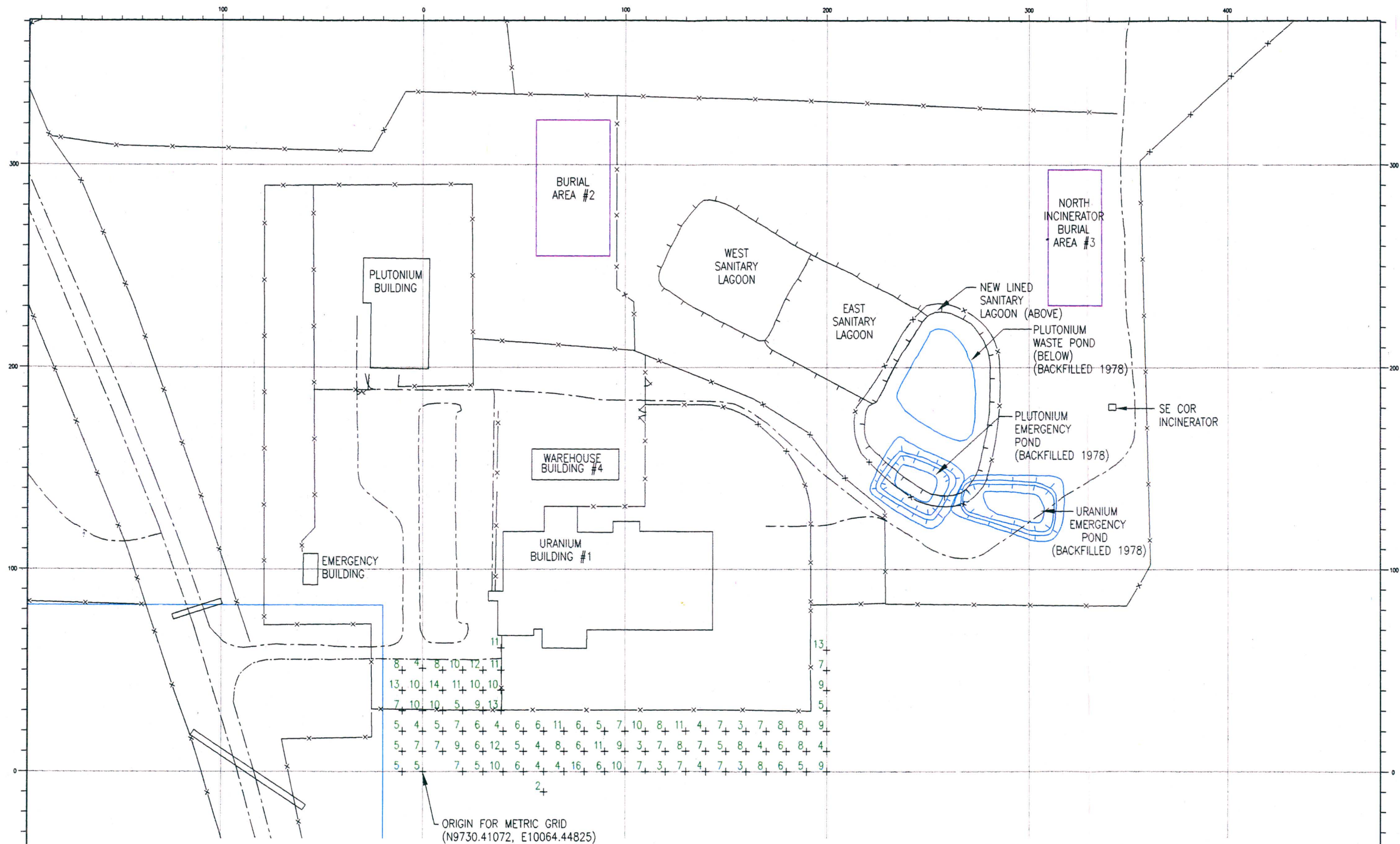
SAMPLES TAKEN ON 10 METER X 10 METER GRID.
 SAMPLES TAKEN BEFORE REMEDIATION.

LEGEND

5% 1 - 29 pCi/g U
 55% 30 - 89 pCi/g U
 10% > 90 pCi/g U

20 0 20
 SCALE IN METERS

CIMARRON CORPORATION SOUTH OF URANIUM YARD PRE-REMEDIATION SOIL SAMPLE RESULTS (1990) SOIL SAMPLE ALIQUOT: 2'-3' DEEP CLIENT DRAWING NO.	
JOB NO. 90PRSUSS-3	DRAWING NO. 90PRSUSS-3
DATE 9/14/94	DATE 10/1/94
SCALE AS SHOWN	REV. 0



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (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

5	1 - 29 pCi/g U
55	30 - 89 pCi/g U
105	> 90 pCi/g U

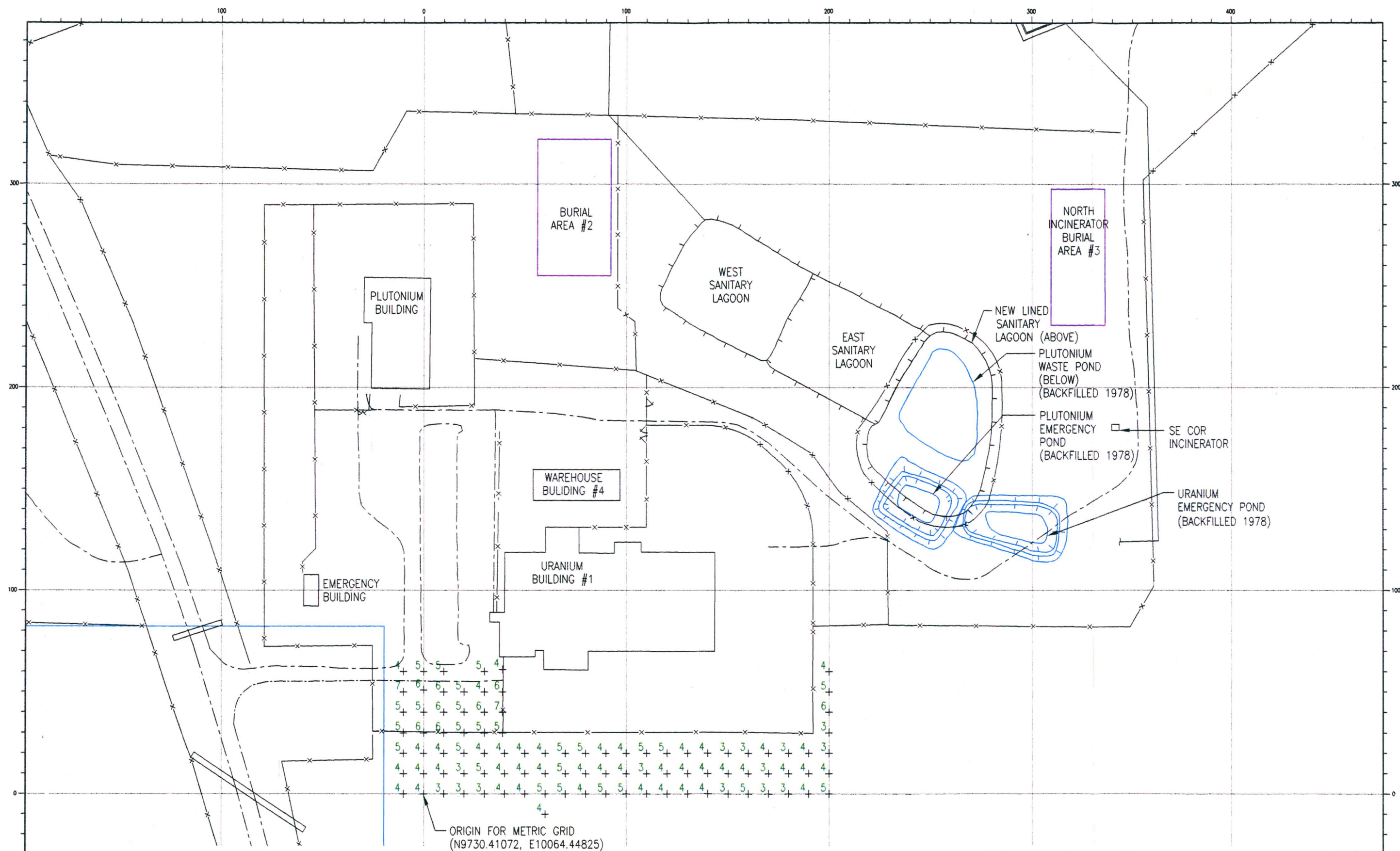
CIMARRON CORPORATION

CIMARRON FACILITY
 SOUTH OF URANIUM YARD
 PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)
 SOIL SAMPLE ALIQUOT: 3'-4' DEEP

CLIENT DRAWING NO. 90PRSUS-4

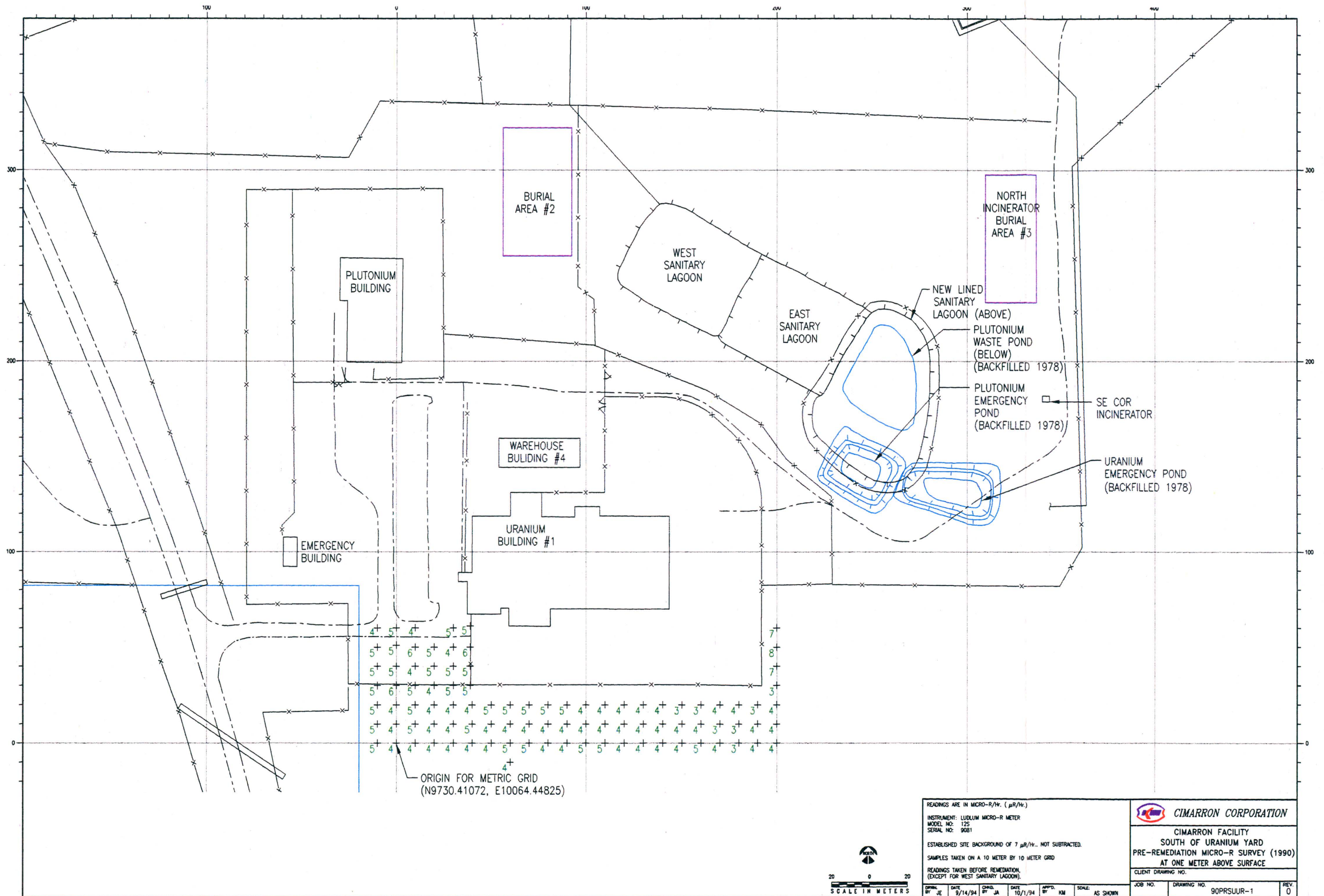
JOB NO. DRAWING NO. 90PRSUS-4 REV. 0

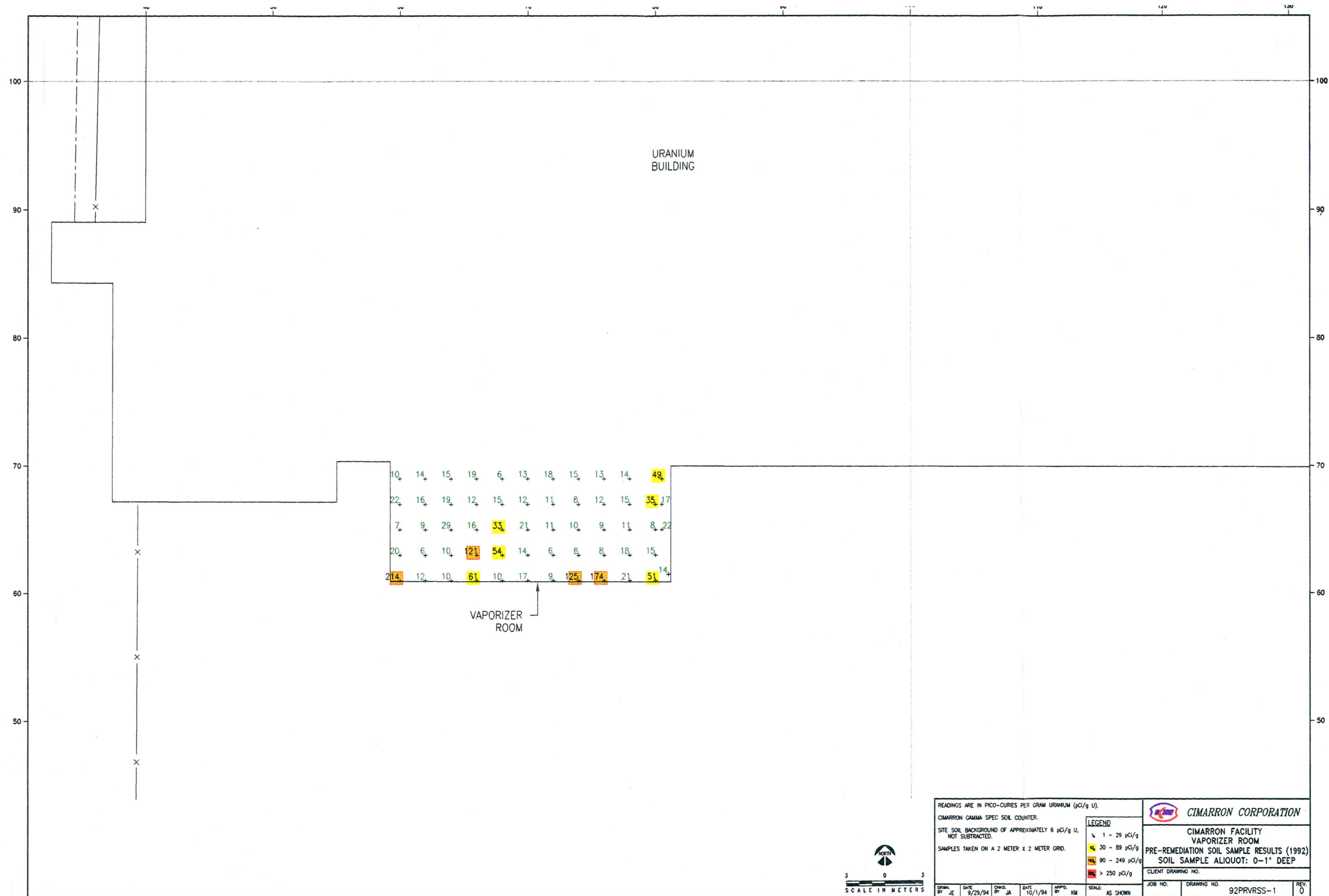
DATE 9/14/94 CHD. BY JA DATE 10/11/94 APP'D. BY KM SCALE: AS SHOWN



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).

CIMARRON CORPORATION
 CIMARRON FACILITY
 SOUTH OF URANIUM YARD
 PRE-REMEDIATION MICRO-R SURVEY (1990)
 AT LAND SURFACE
 CLIENT DRAWING NO.
 JOB NO. 90PRSUUR-0
 DRAWING NO. 90PRSUUR-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 A 2 METER X 2 METER GRID.

LEGEND

- 1 - 29 pCi/g
- 30 - 89 pCi/g
- 90 - 249 pCi/g
- > 250 pCi/g

CIMARRON CORPORATION

CIMARRON FACILITY
VAPORIZER ROOM
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)
SOIL SAMPLE ALIQUOT: 0-1' DEEP

CLIENT DRAWING NO.

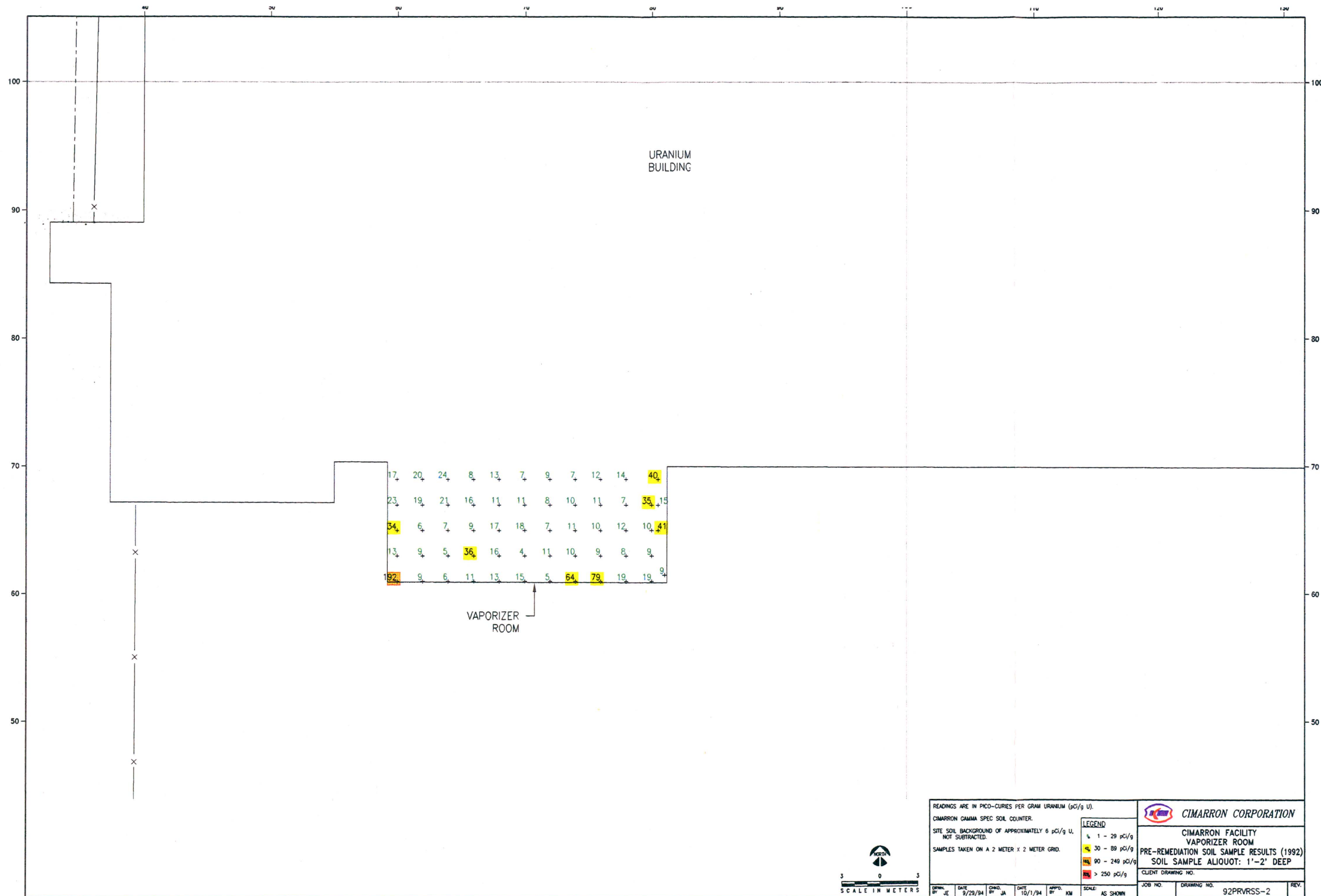
JOB NO.	DRAWING NO.	REV.
	92PRVRSS-1	0

DATE: 9/29/94
BY: JE

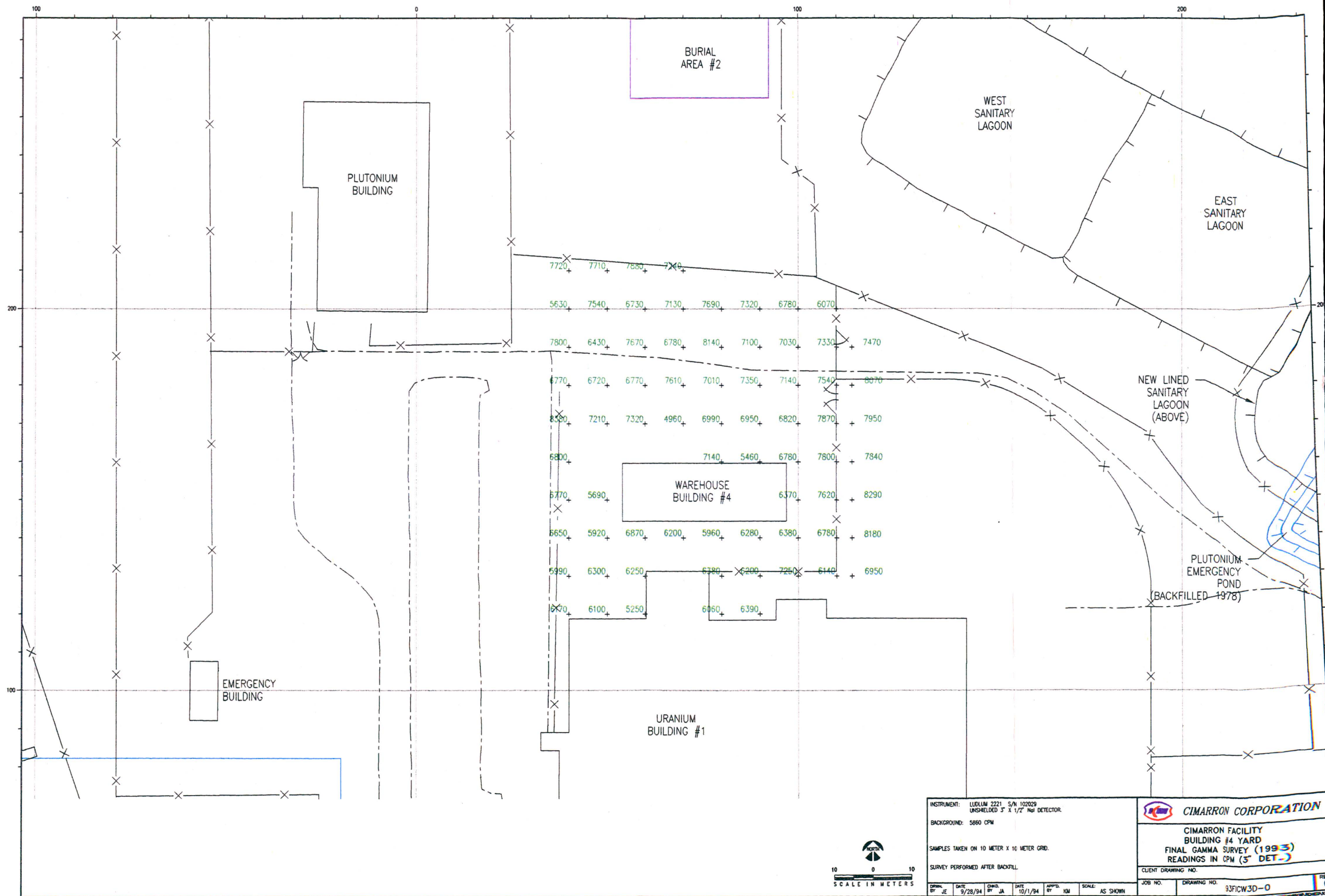
DATE: 10/1/94
BY: KM

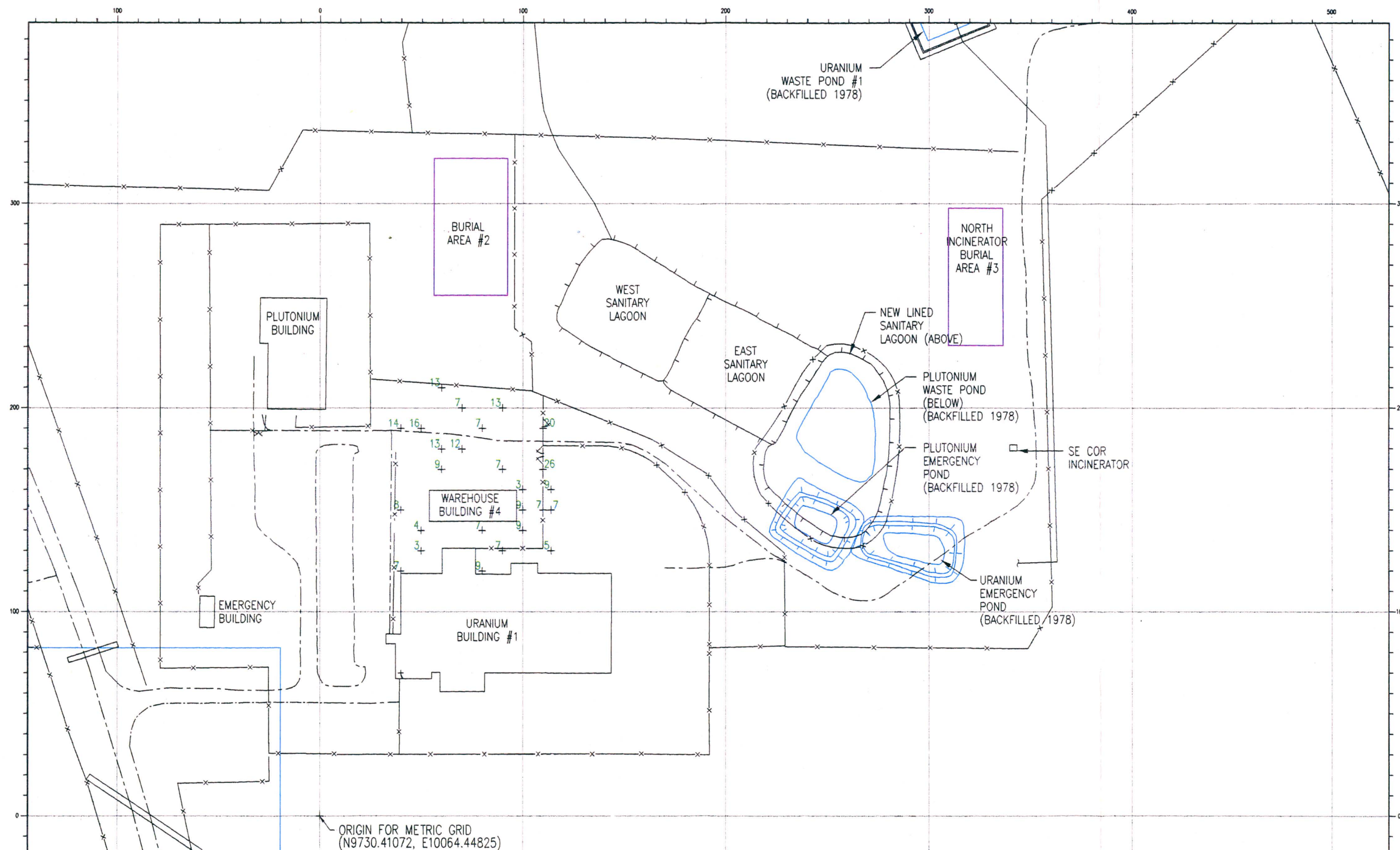
SCALE: AS SHOWN





READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).				CIMARRON CORPORATION	
CIMARRON GAMMA SPEC SOIL COUNTER.				LEGEND	
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U. NOT SUBTRACTED.				1 - 29 pCi/g	
SAMPLES TAKEN ON A 2 METER X 2 METER GRID.				30 - 89 pCi/g	
				90 - 249 pCi/g	
				> 250 pCi/g	
				SCALE: AS SHOWN	
CLIENT DRAWING NO.				JOB NO.	
DRAWING NO.				REV.	
92PRVRSS-2					

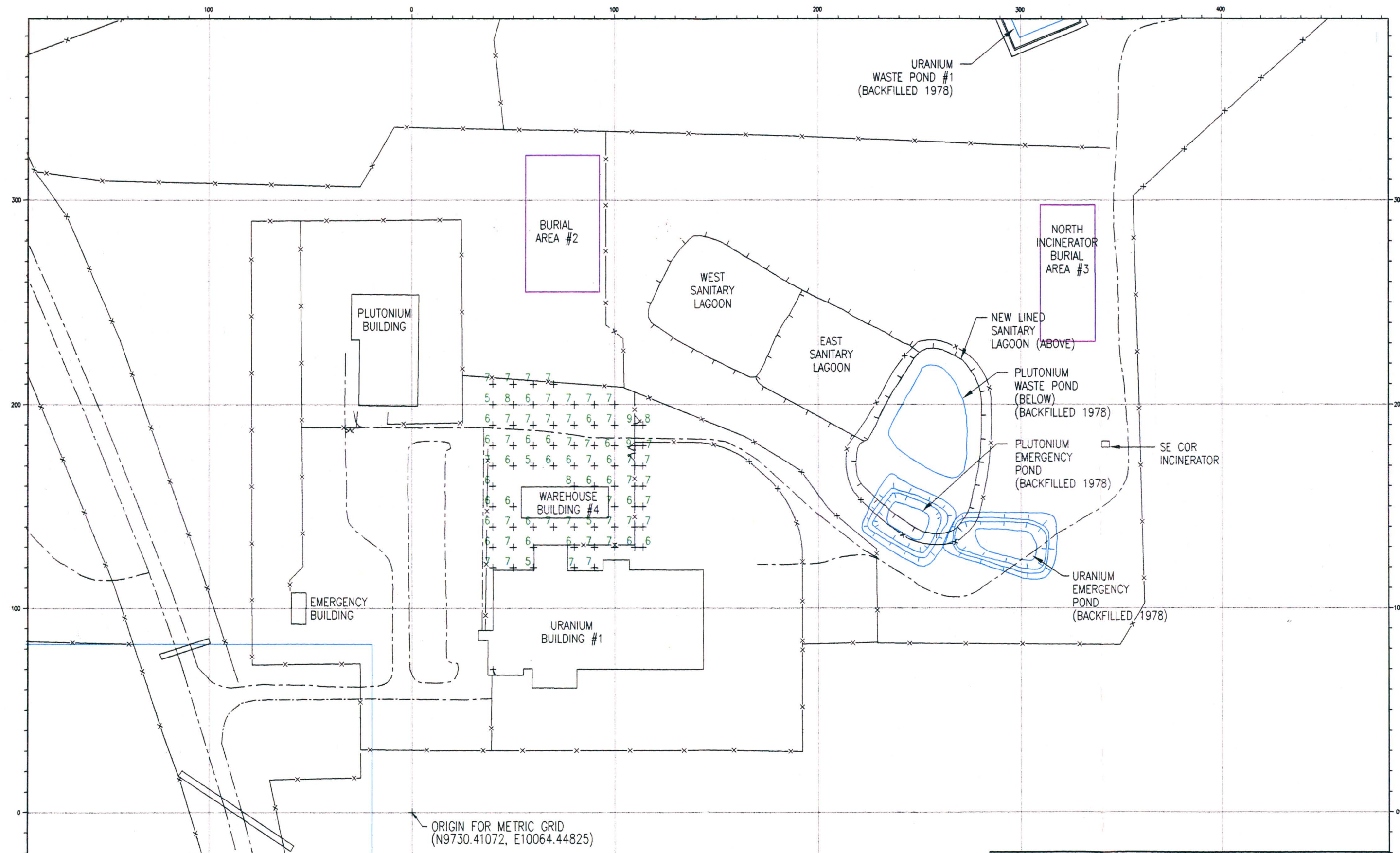




ORIGIN FOR METRIC GRID
(N9730.41072, E10064.44825)



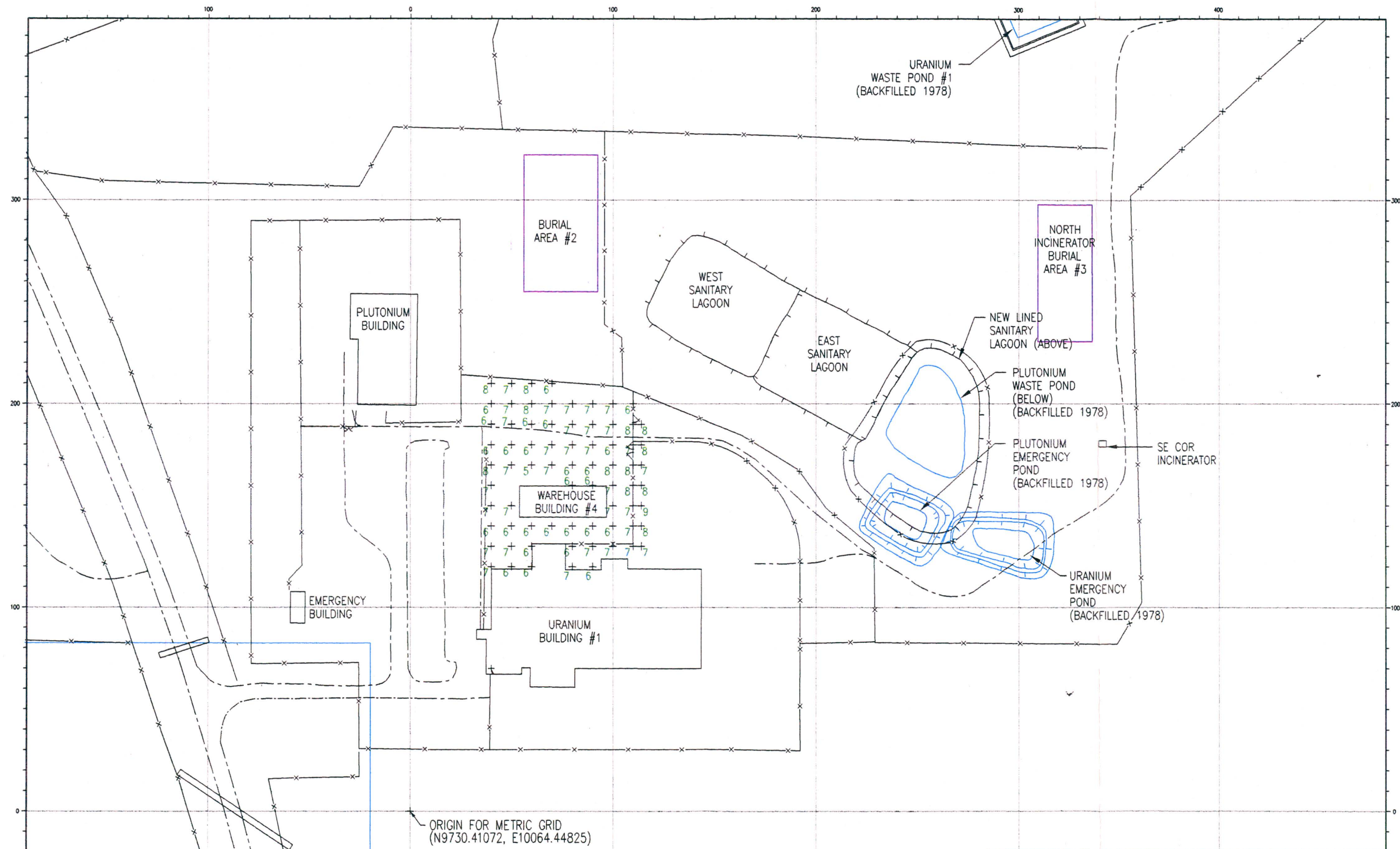
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U). CIMARRON GAMMA SPEC SOIL COUNTER. URANIUM BACKGROUND OF 6 pCi/g. NOT SUBTRACTED. SAMPLES TAKEN ON 10 METER X 10 METER GRID. FINAL RANDOM SURFACE SAMPLING OF BACKFILLED AREA TAKEN ON A 10 METER X 10 METER GRID INTERSECT.							
CIMARRON FACILITY BUILDING #4 YARD FINAL SOIL SAMPLE RESULTS (1993) SOIL SAMPLE ALIQUOT: 0" - 6" DEEP CLIENT DRAWING NO.							
JOB NO.	DRAWING NO.	REV.					
93FICWSS-0	0	0					



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

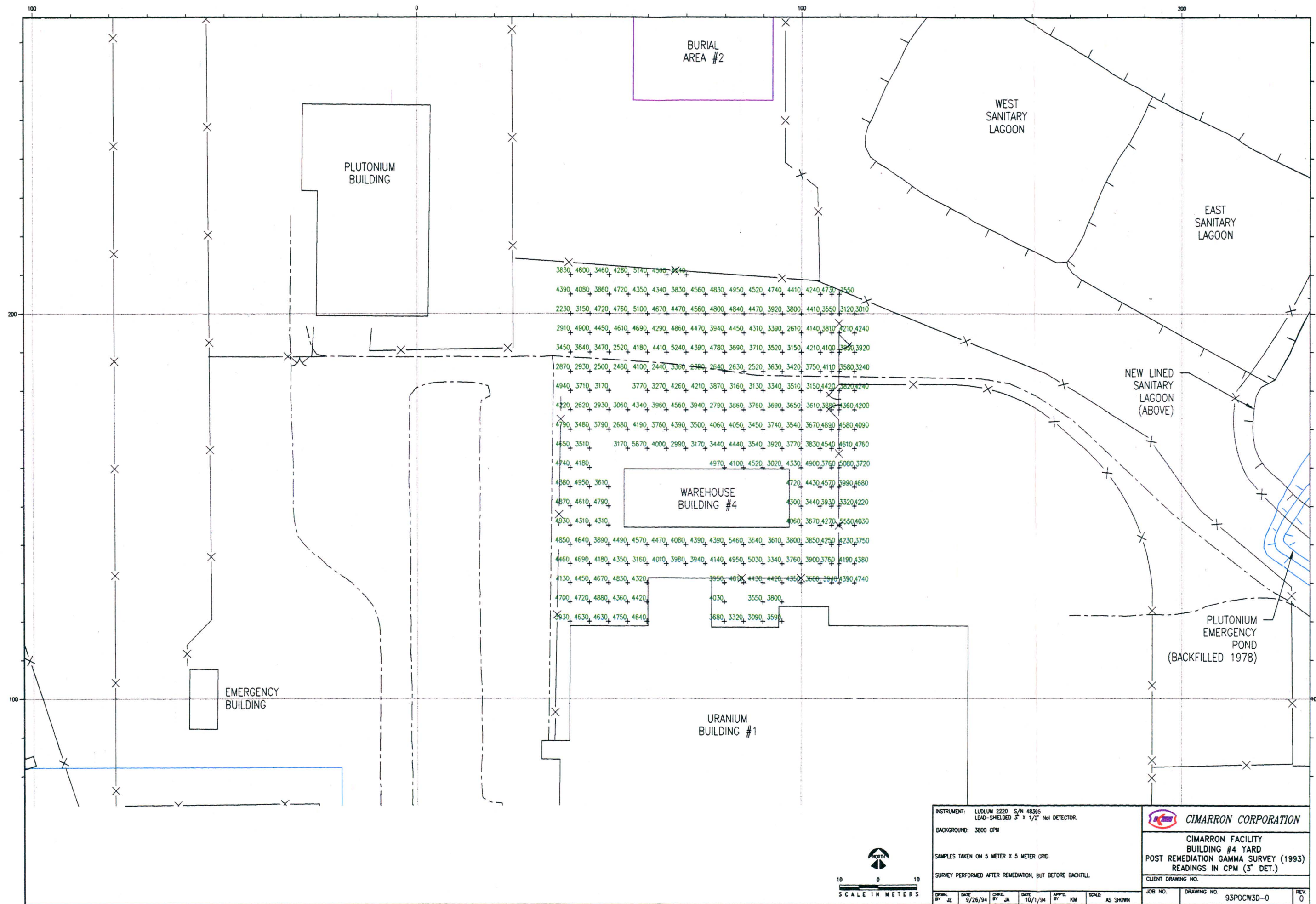


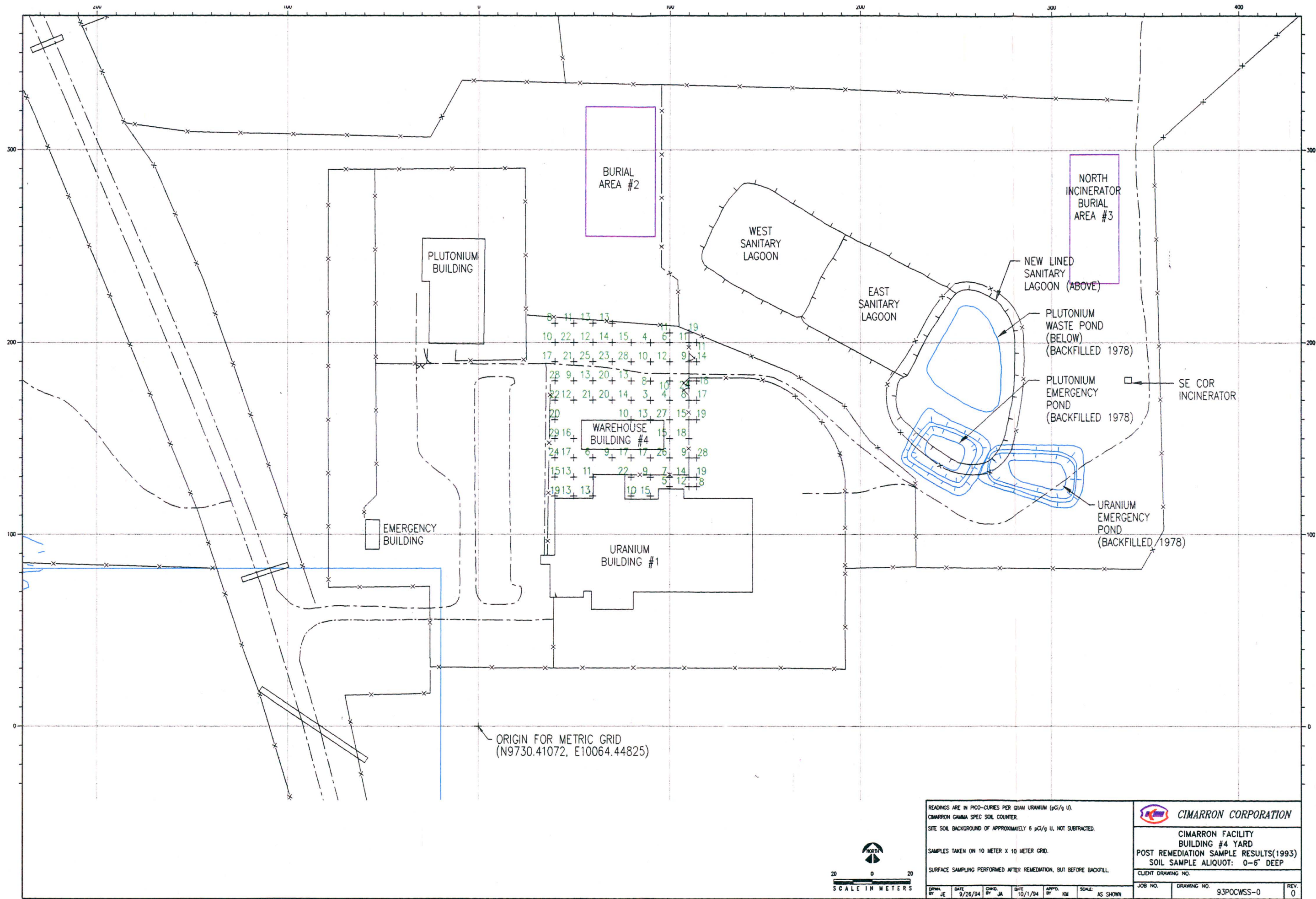
READINGS ARE IN MICRO-R/H (μ R/H).		CIMARRON CORPORATION	
INSTRUMENT: LUDLUM MICRO-R METER.		CIMARRON FACILITY	
MODEL NO: 19		BUILDING #4 YARD	
SERIAL NO: 75544		FINAL MICRO-R SURVEY (1993)	
BACKGROUND: 7 MICRO-R/Hr., NOT SUBTRACTED.		AT LAND SURFACE	
READINGS TAKEN ON A 10 METER BY 10 METER GRID.		CLIENT DRAWING NO.	
READINGS TAKEN AFTER REMEDIATION AND BACKFILL.		JOB NO.	
DATE: 9/28/94	DATE: 10/1/94	DRAWING NO.	93FICWUR-0
BY: JE	BY: JA	REV.	0

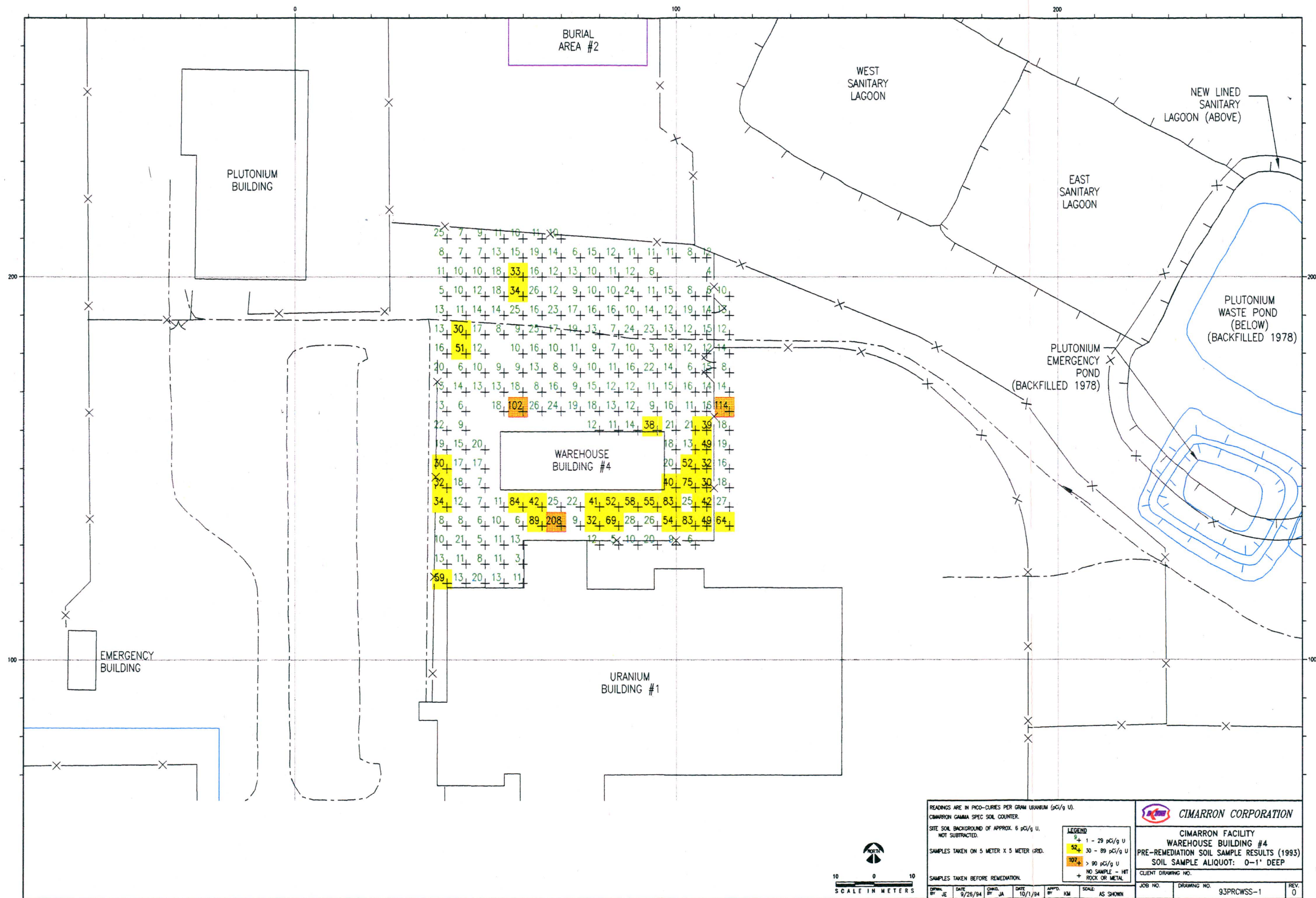


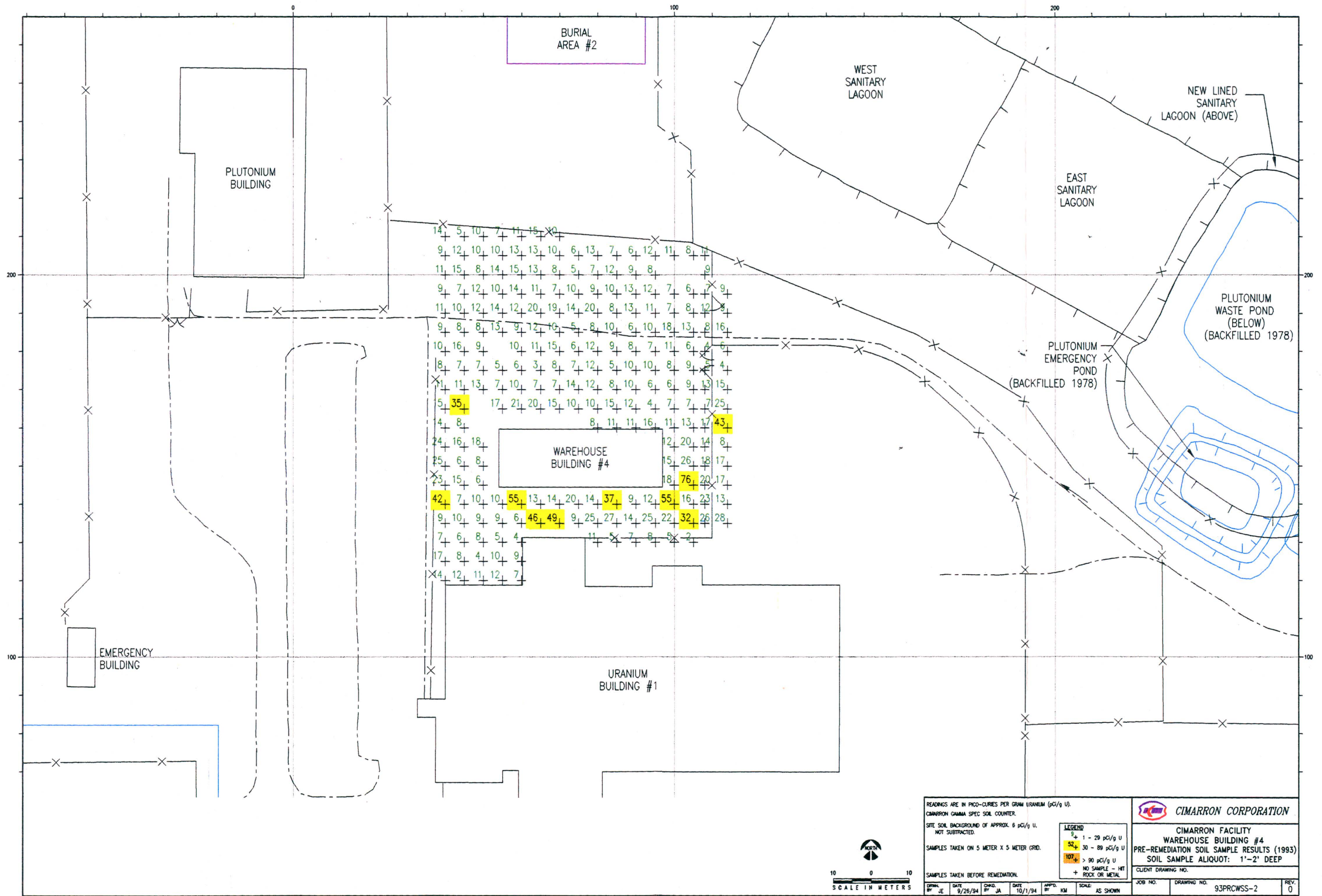
READINGS ARE IN MICRO-R/Hr. (μR/Hr.)
 INSTRUMENT: LUDLUM MICRO-R METER.
 MODEL NO: 19
 SERIAL NO: 75544
 BACKGROUND: 7 MICRO-R/Hr., NOT SUBTRACTED.
 READINGS TAKEN ON A 10 METER BY 10 METER GRID.
 READINGS TAKEN AFTER REMEDIATION AND BACKFILL.

CIMARRON CORPORATION	
CIMARRON FACILITY BUILDING #4 YARD FINAL MICRO-R SURVEY (1993) AT ONE METER ABOVE SURFACE	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO. 93FICWUR-1
DATE 9/28/94	REV. 0

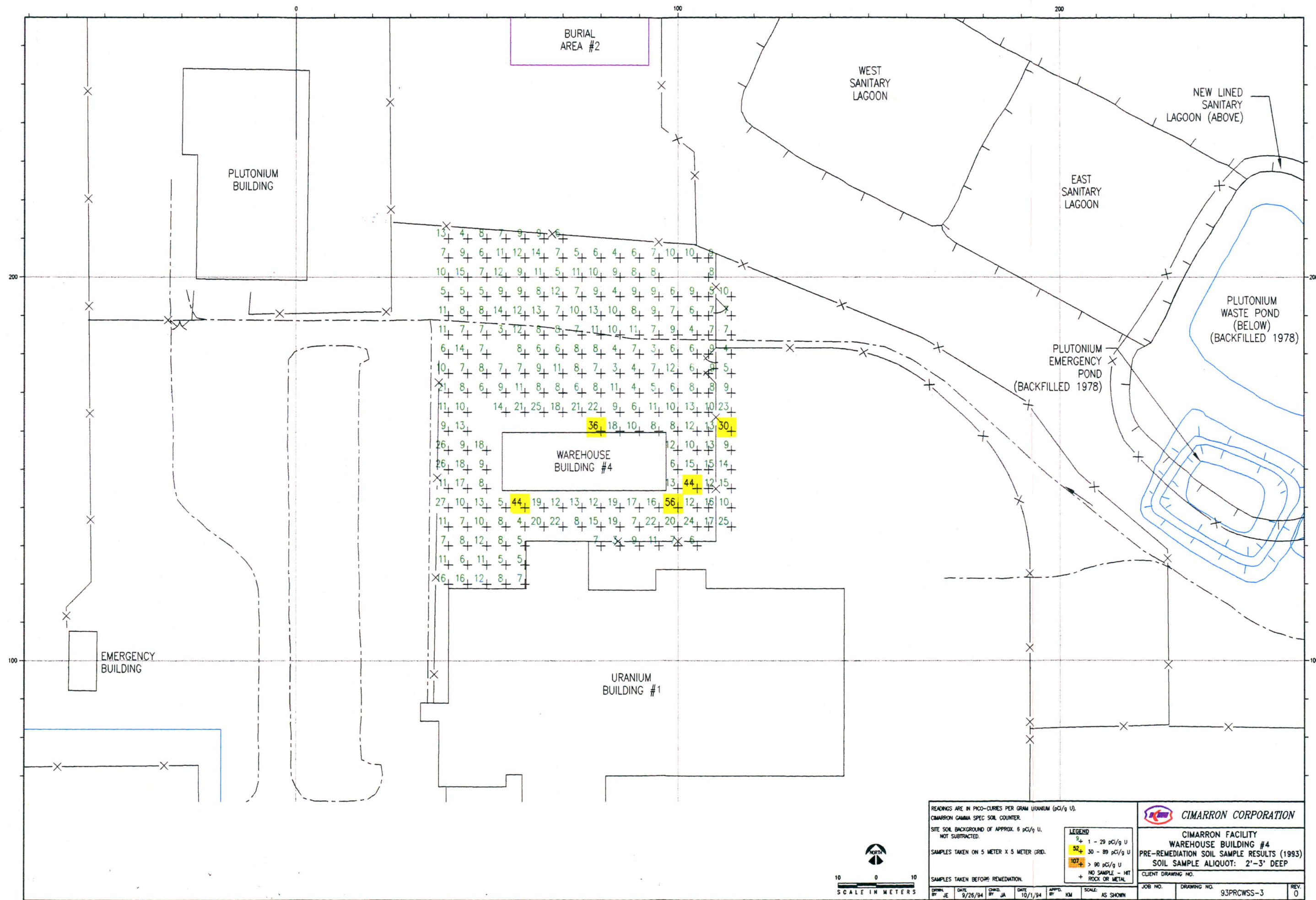


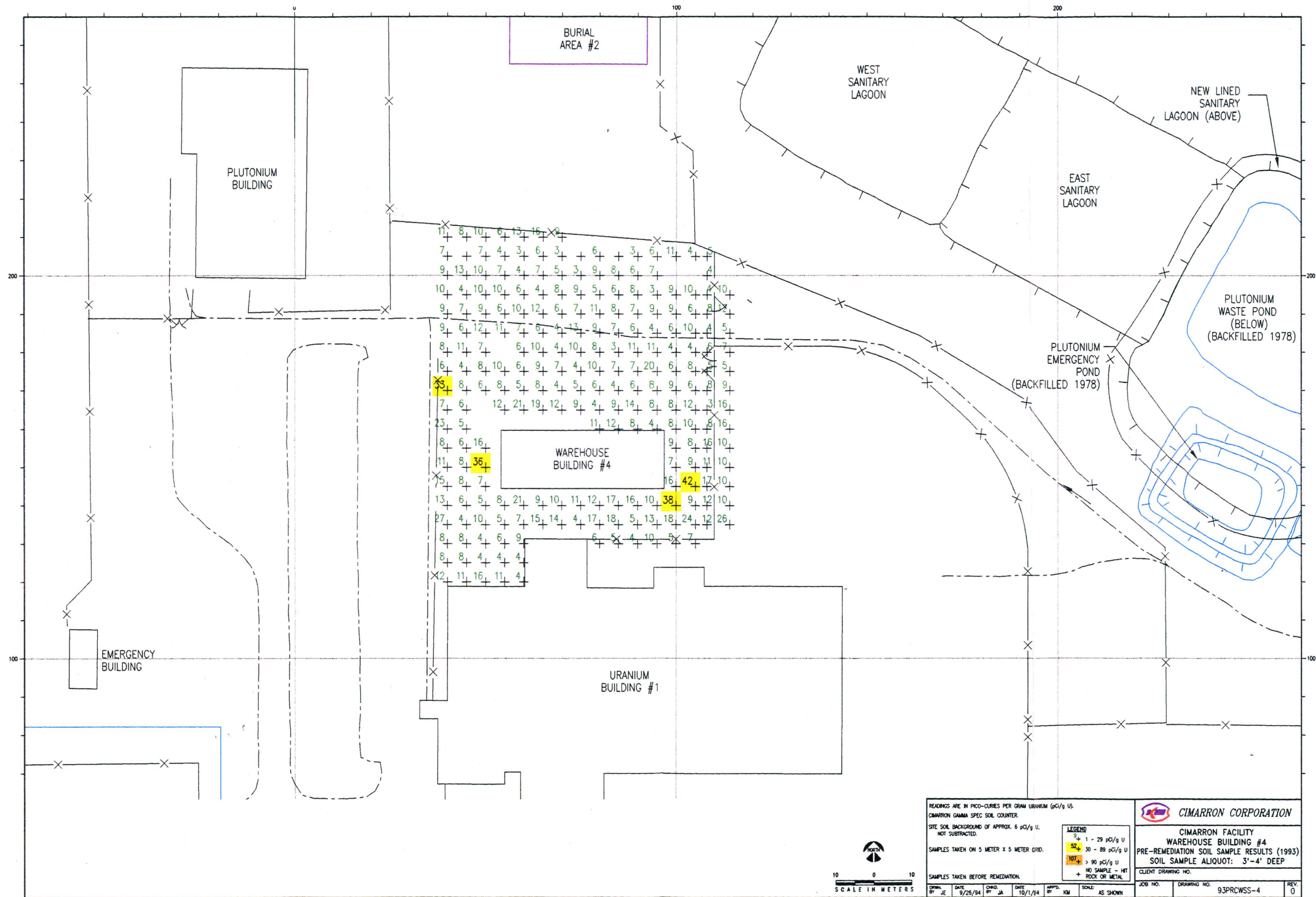




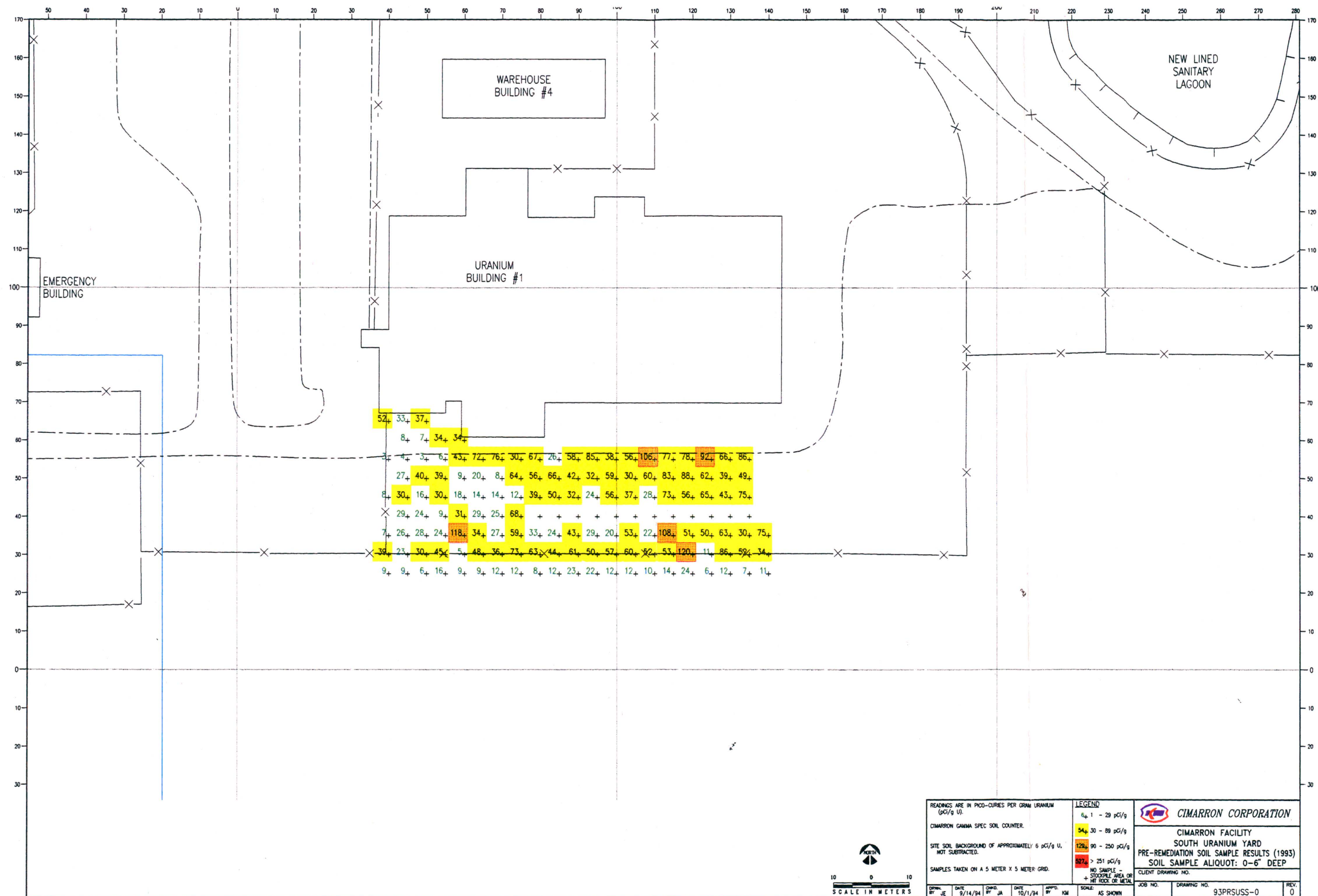


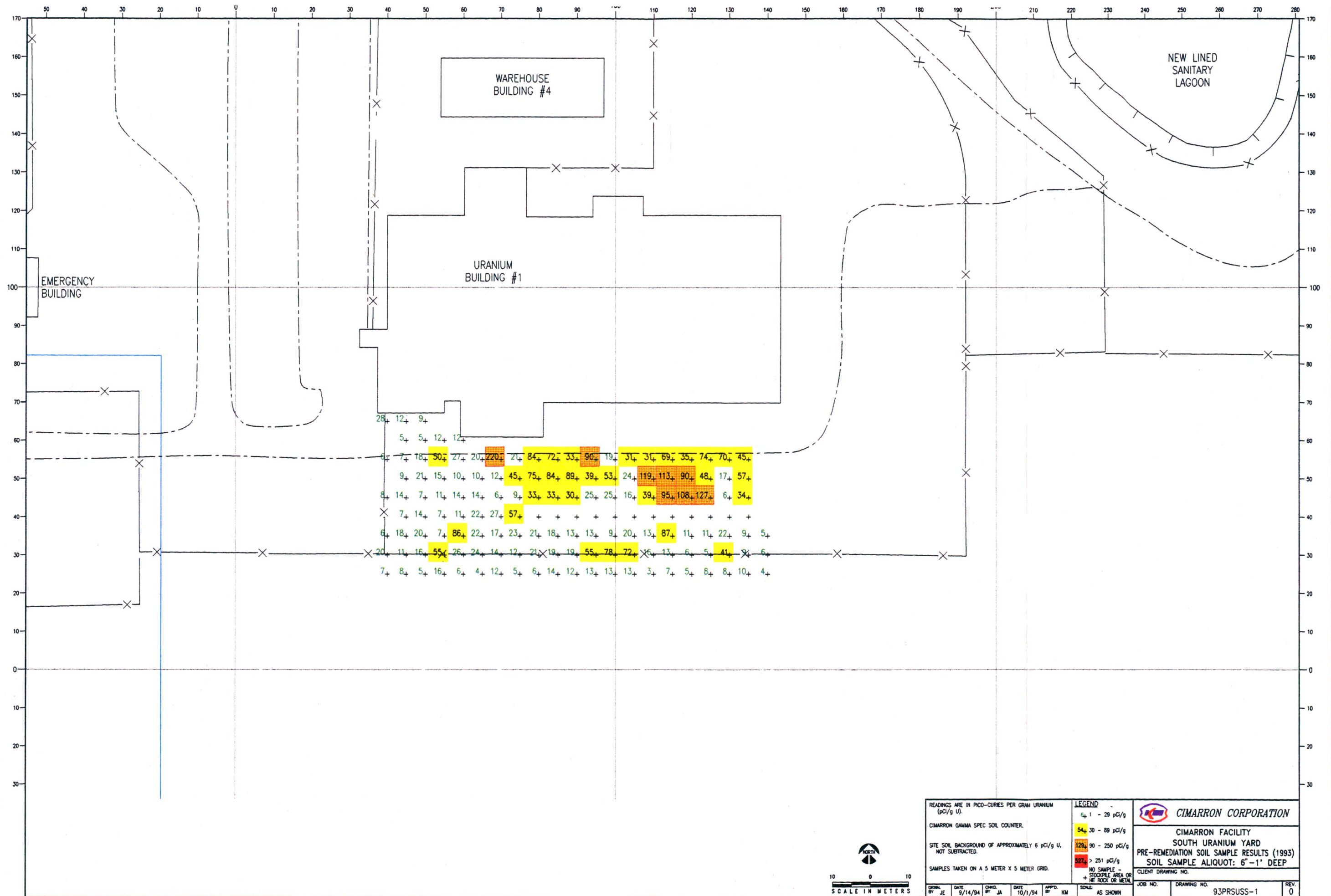
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).				CIMARRON CORPORATION	
CIMARRON GAMMA SPEC SOIL COUNTER.				CIMARRON FACILITY	
SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U. NOT SUBTRACTED.				WAREHOUSE BUILDING #4	
SAMPLES TAKEN ON 5 METER X 5 METER GRID.				PRE-REMEDATION SOIL SAMPLE RESULTS (1993)	
LEGEND				SOIL SAMPLE ALIQUOT: 1'-2' DEEP	
1 - 29 pCi/g U				CLIENT DRAWING NO.	
30 - 89 pCi/g U				JOB NO.	
> 90 pCi/g U				DRAWING NO. 93PRCWSS-2	
NO SAMPLE - HIT ROCK OR METAL				REV. 0	
DATE	9/26/94	CHKD. BY	JA	DATE	10/1/94
DRWN. BY	JE	APPR. BY	KM	SCALE	AS SHOWN





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 5 METER X 5 METER GRID. SAMPLES TAKEN BEFORE REMEDIATION.		LEGEND 1 - 29 pCi/g U 30 - 89 pCi/g U > 90 pCi/g U NO SAMPLE - HIT NO SAMPLE - HIT ROCK OR METAL		CIMARRON CORPORATION CIMARRON FACILITY WAREHOUSE BUILDING #4 PRE-REMEDIATION SOIL SAMPLE RESULTS (1993) SOIL SAMPLE ALIQUOT: 3'-4' DEEP CLIENT DRAWING NO.	
DATE 9/26/94	CHD. BY JA	DATE 10/1/94	APPR. BY KM	SCALE AS SHOWN	JOB NO. DRAWING NO. 93PCWSS-4 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 A 5 METER X 5 METER GRID.

LEGEND

6+ 1 - 29 pCi/g

54+ 30 - 89 pCi/g

129+ 90 - 250 pCi/g

827+ > 251 pCi/g

NO SAMPLE - STOCKPILE AREA OR HIT ROCK OR METAL

CIMARRON CORPORATION

CIMARRON FACILITY

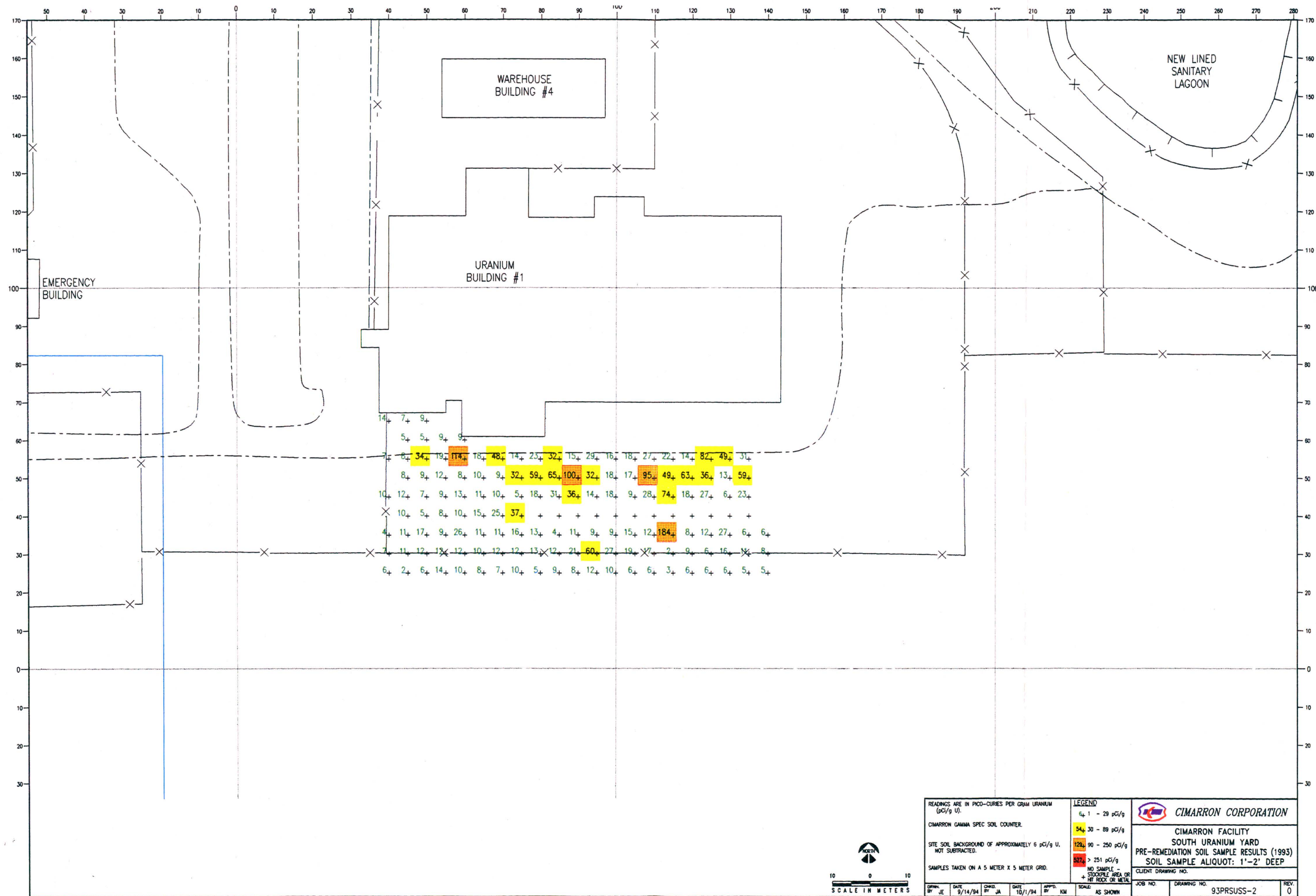
SOUTH URANIUM YARD

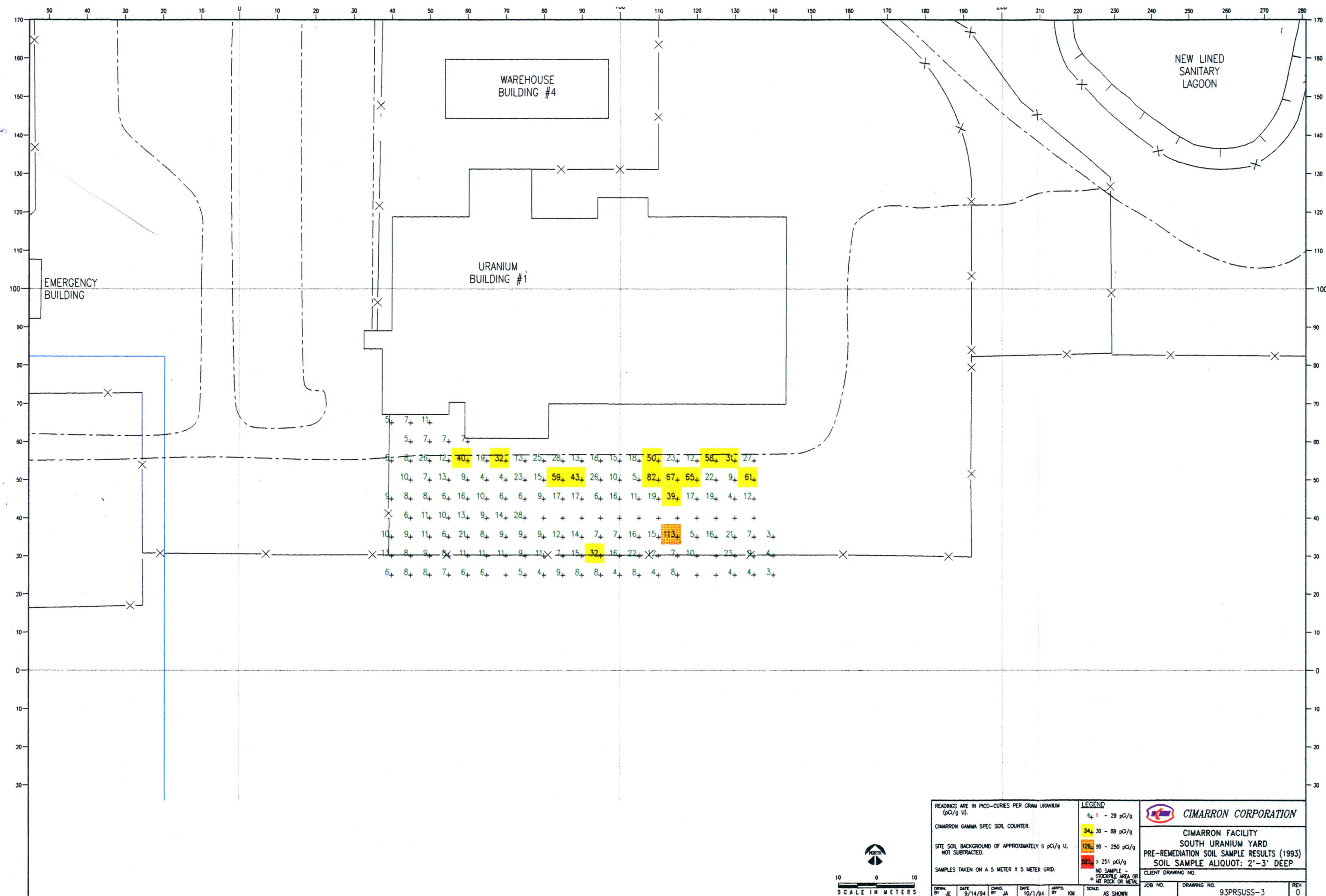
PRE-REMEDIATION SOIL SAMPLE RESULTS (1993)

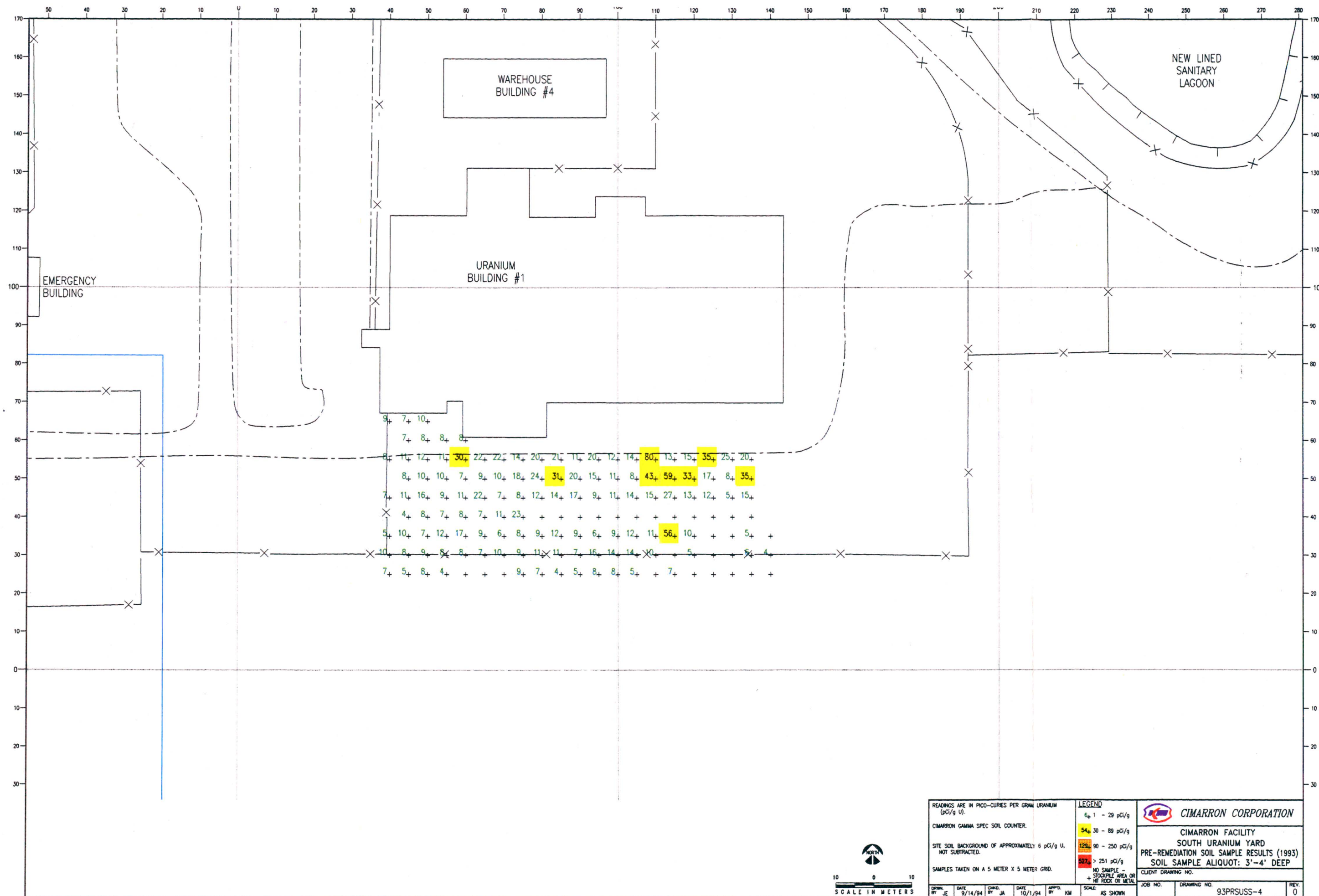
SOIL SAMPLE ALIQUOT: 6"-1" DEEP

CLIENT DRAWING NO.

JOB NO. DRAWING NO. 93PRSUSS-1 REV. 0









LEGEND

● 0 TO .5 M	1 - 29 pc/g U	PILE SLOPE -
● .5 TO 1 M	30 - 89 pc/g U	NO SAMPLE
● 1 TO 1.5 M	90 - 249 pc/g U	
● 1.5 TO 2 M	> 250 pc/g U	

CIMARRON CORPORATION

CIMARRON FACILITY

DESIGNATED AREA STOCKPILE/EAST PILE

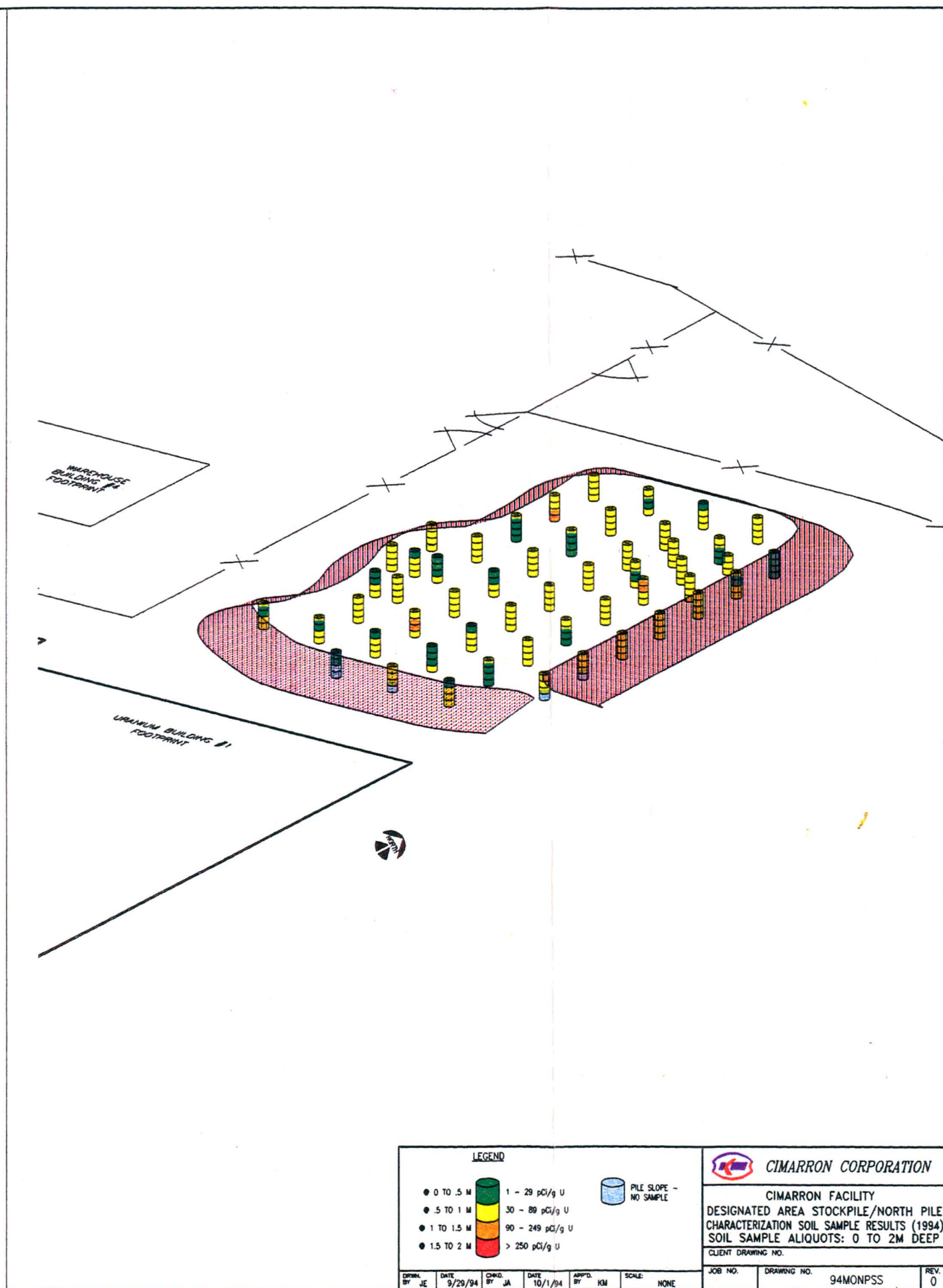
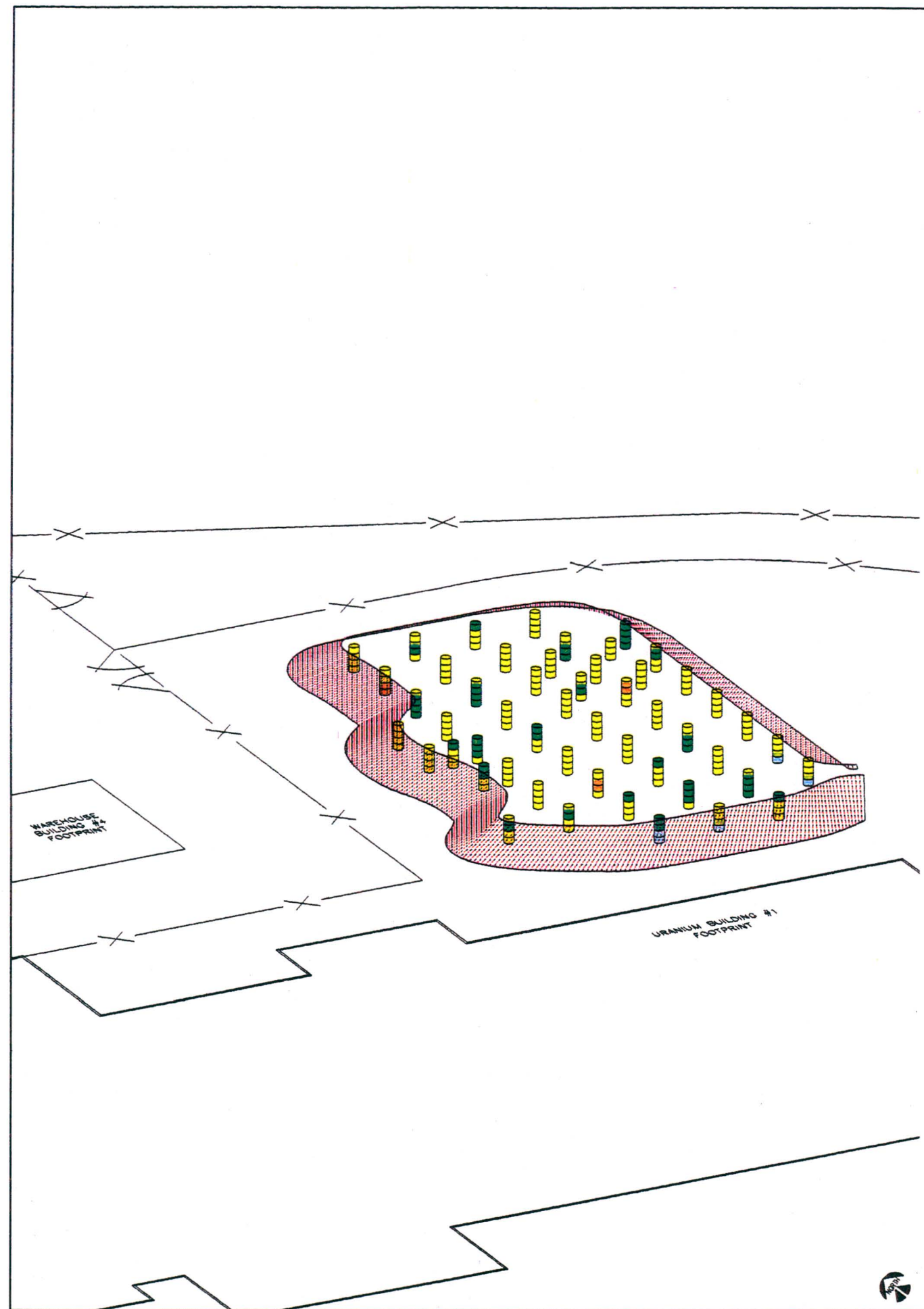
CHARACTERIZATION SOIL SAMPLE RESULTS (1994)

SOIL SAMPLE ALIQUOTS: 0 TO 2M DEEP

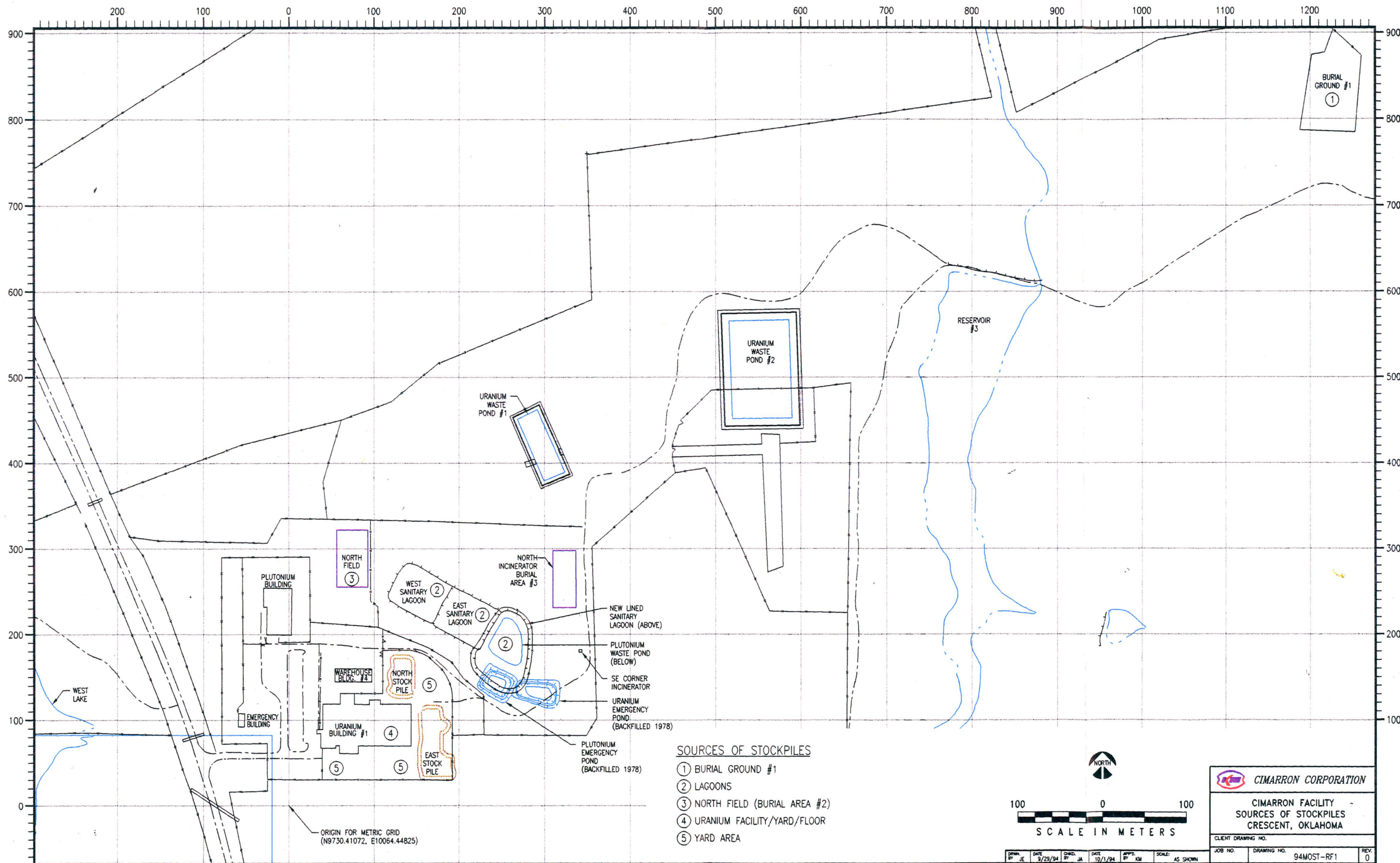
CLIENT DRAWING NO.

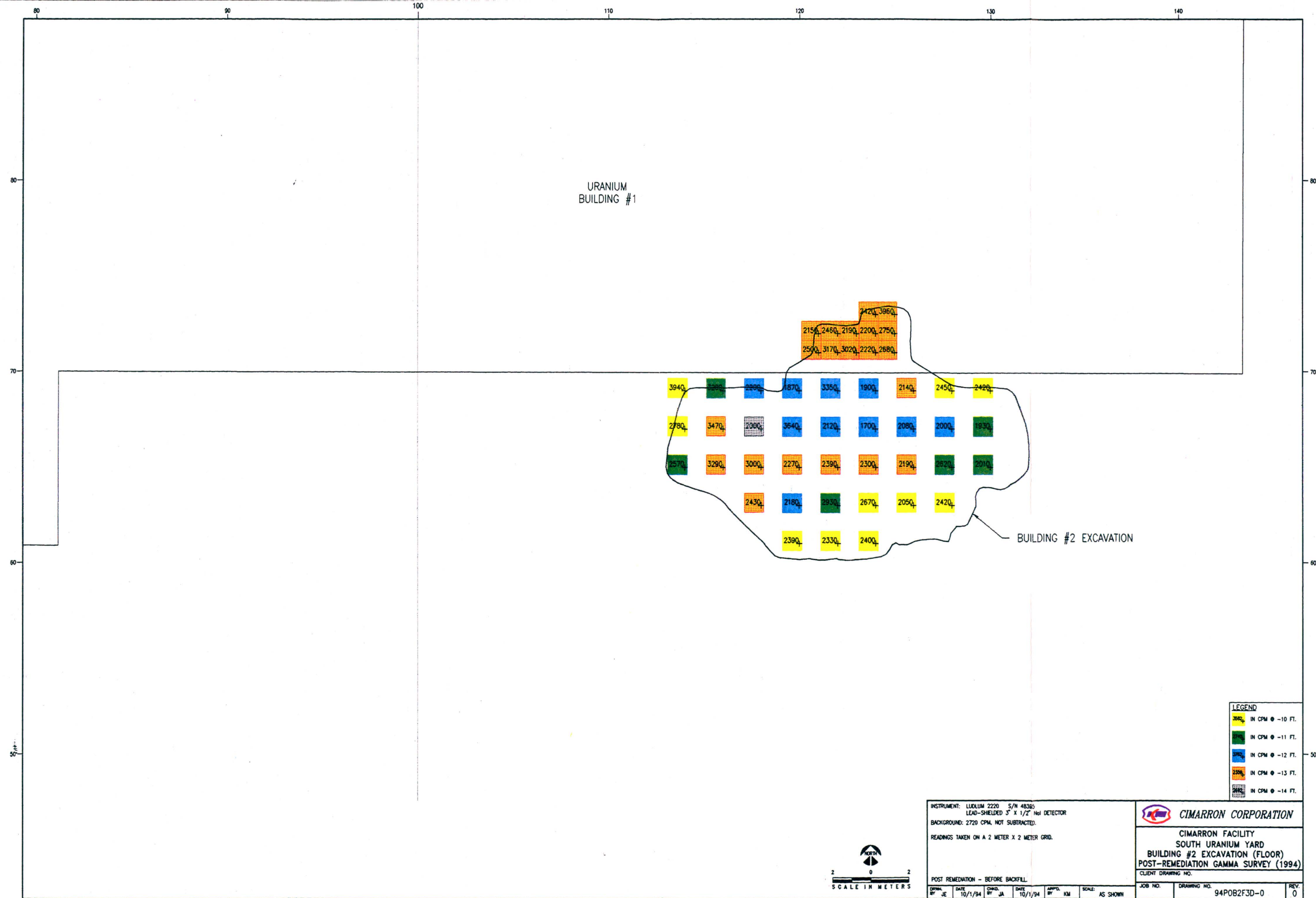
DATE	9/28/94	DATE	10/1/94	SCALE	NONE
BY	JE	BY	JA	REV.	0

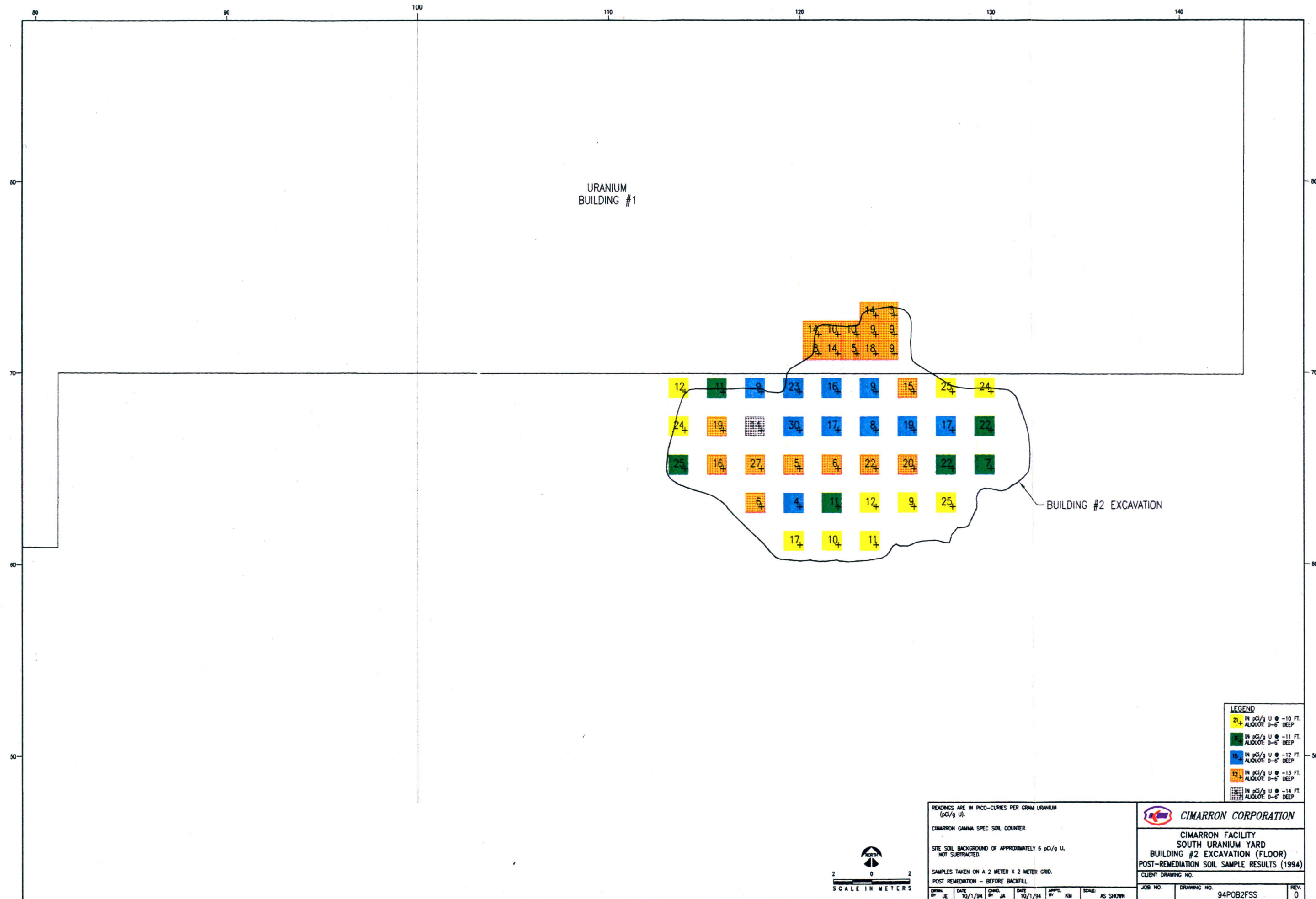
IN: CIMARRON 000001 07/11/91

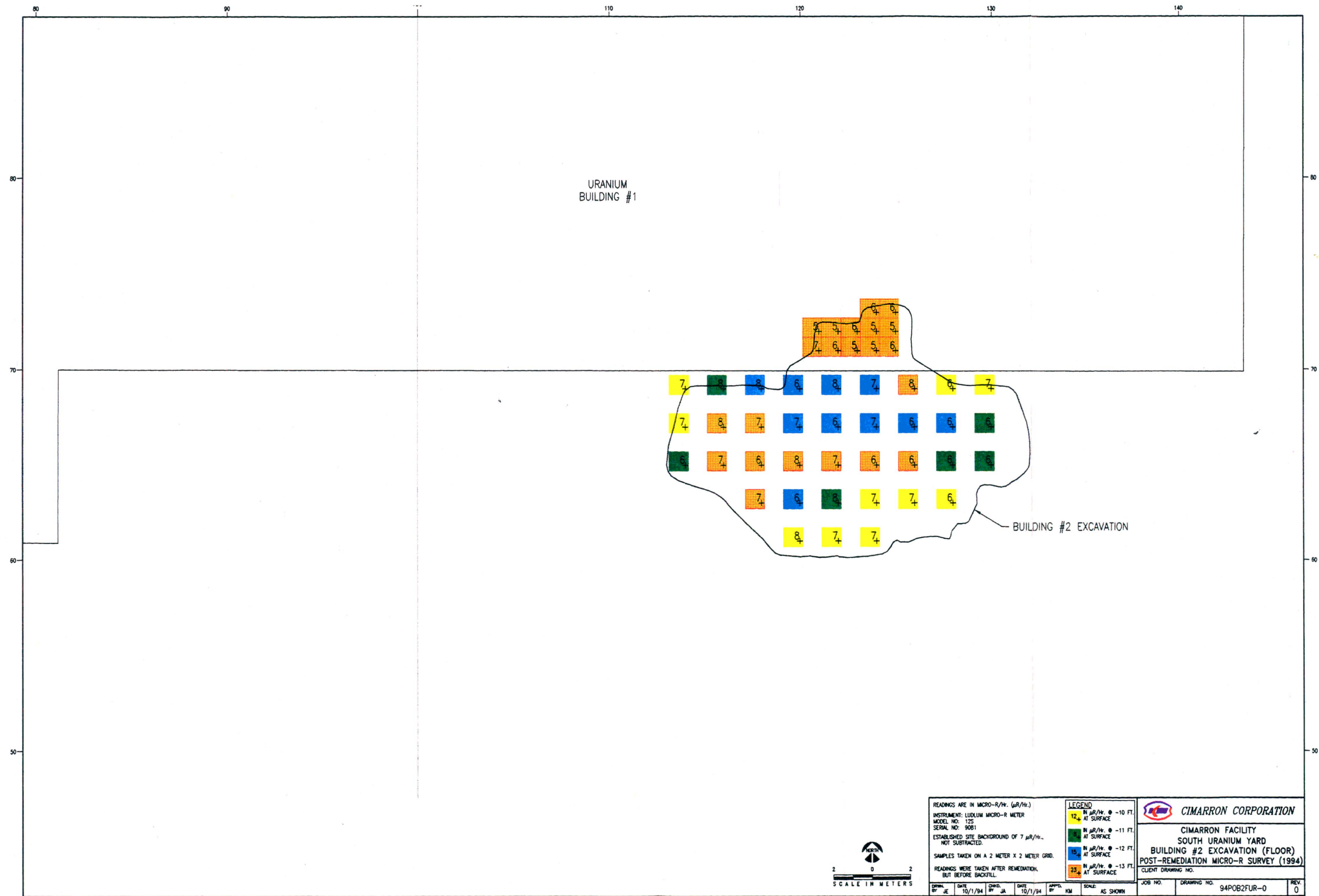


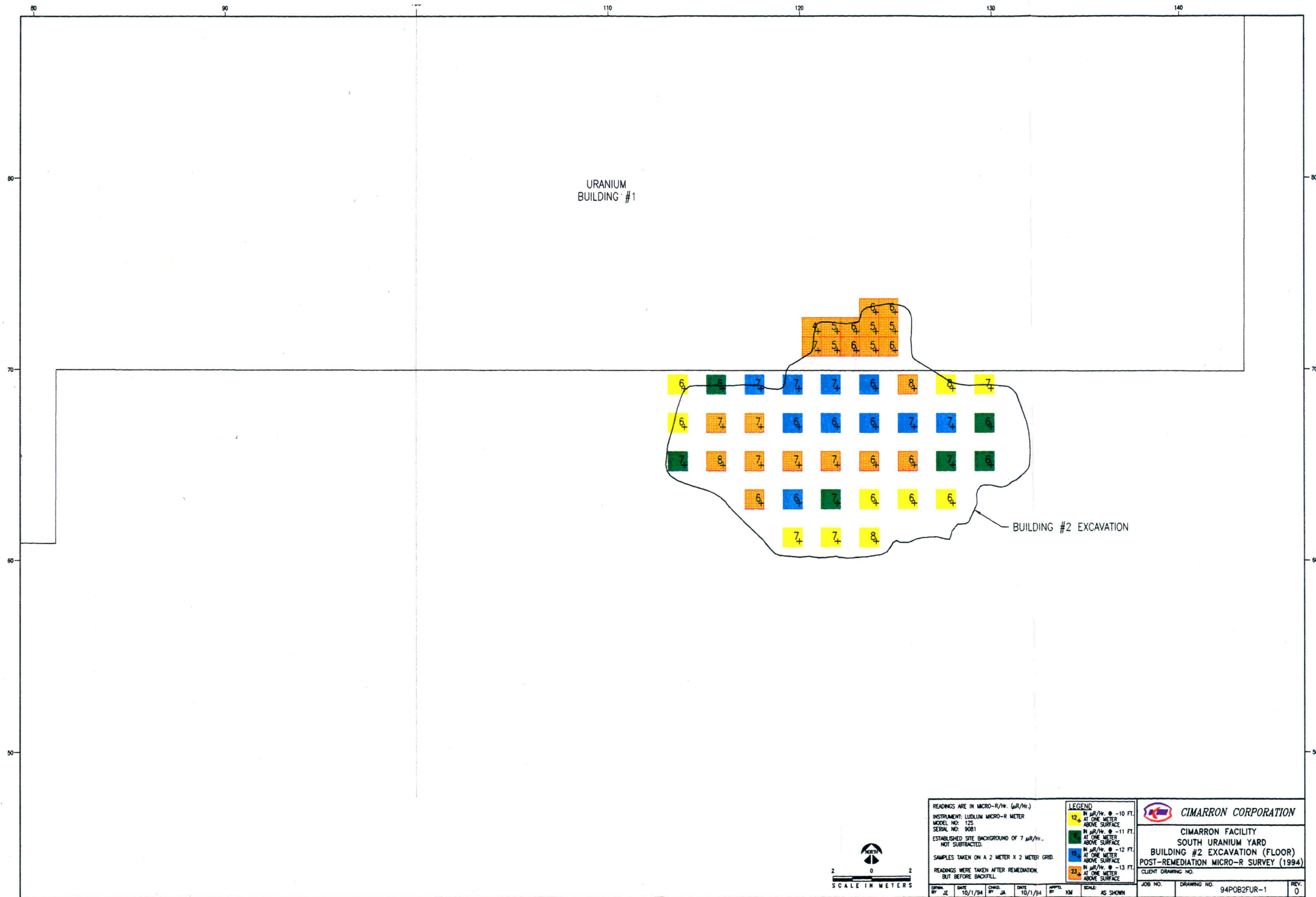
LEGEND						CIMARRON CORPORATION	
● 0 TO .5 M	1 - 29 pCi/g U	PILE SLOPE - NO SAMPLE	CIMARRON FACILITY DESIGNATED AREA STOCKPILE/NORTH PILE CHARACTERIZATION SOIL SAMPLE RESULTS (1994) SOIL SAMPLE ALIQUOTS: 0 TO 2M DEEP CLIENT DRAWING NO.				
● .5 TO 1 M	30 - 89 pCi/g U						
● 1 TO 1.5 M	90 - 249 pCi/g U						
● 1.5 TO 2 M	> 250 pCi/g U						
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
9/29/94	9/29/94	10/1/94	10/1/94	10/1/94	10/1/94	10/1/94	10/1/94
JOB NO.		DRAWING NO.		SCALE		REV.	
94MONPSS		94MONPSS		NONE		0	

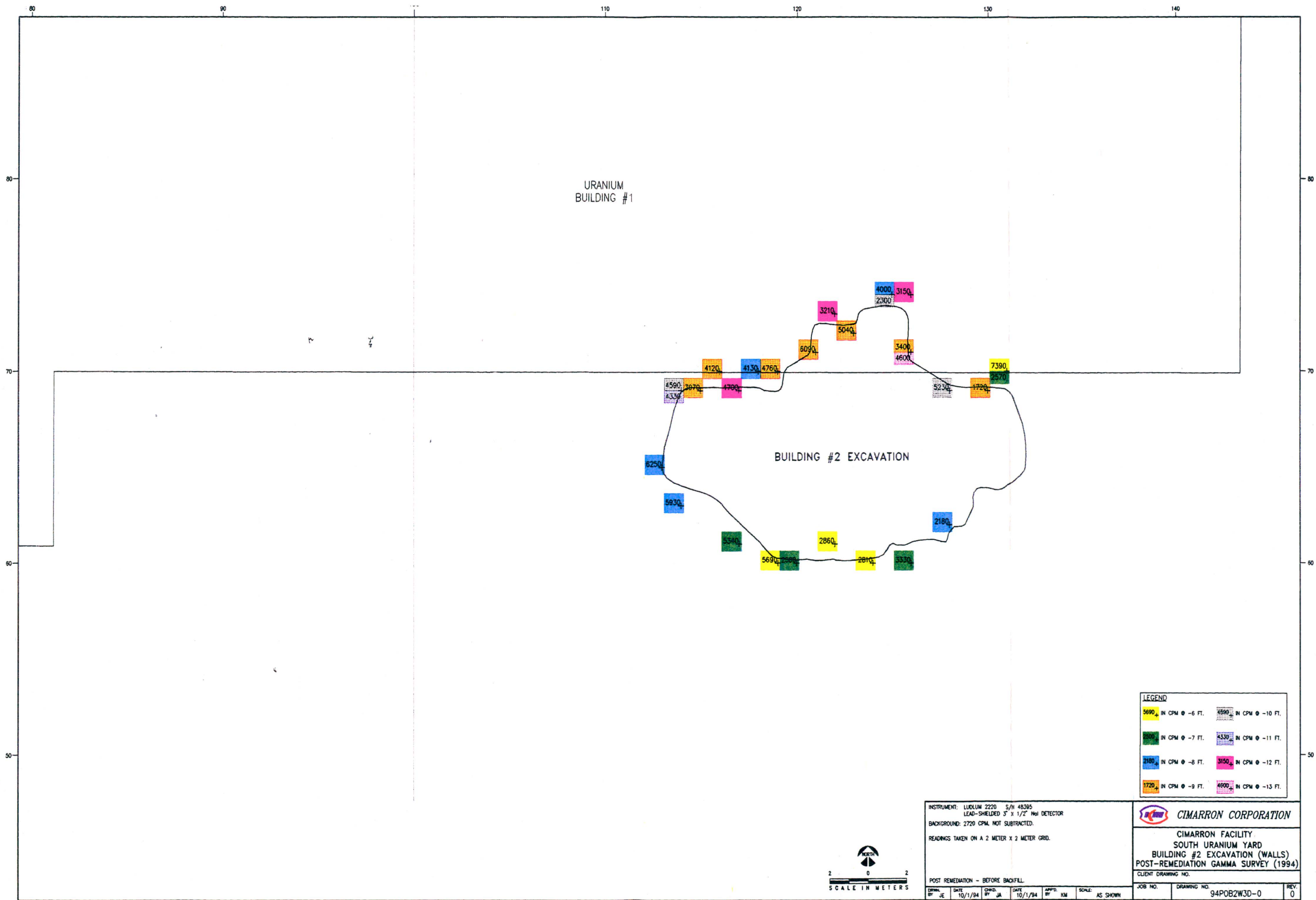


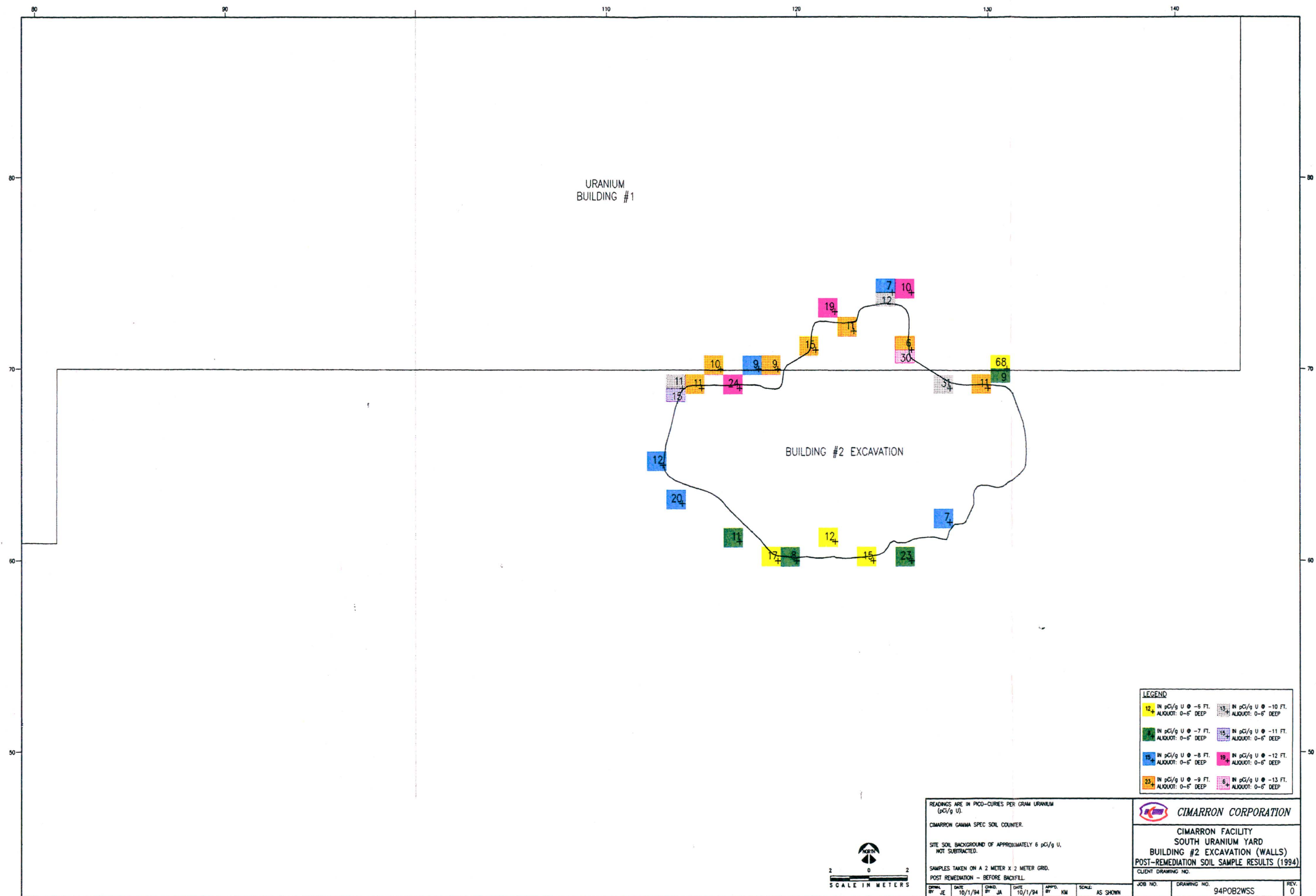


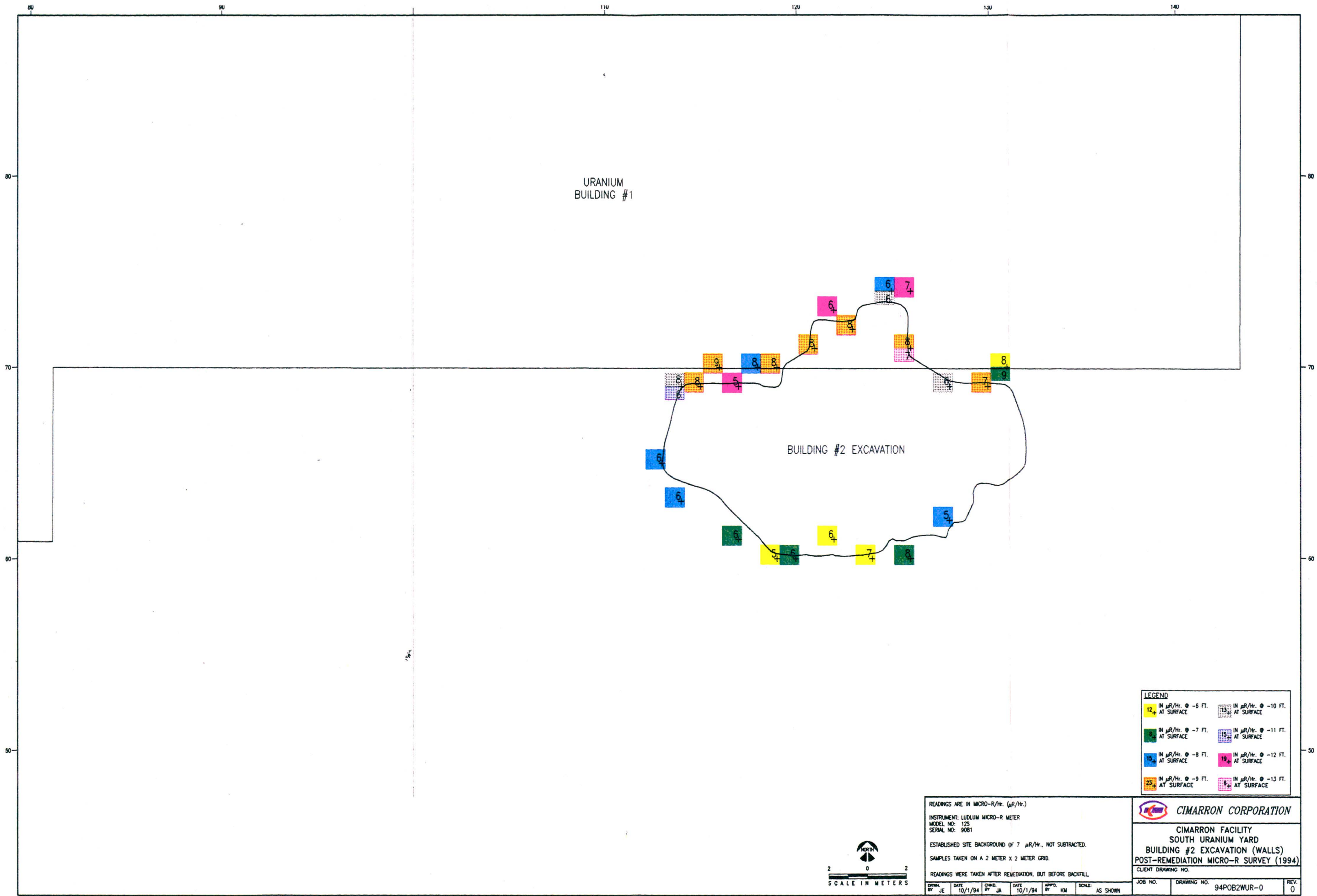


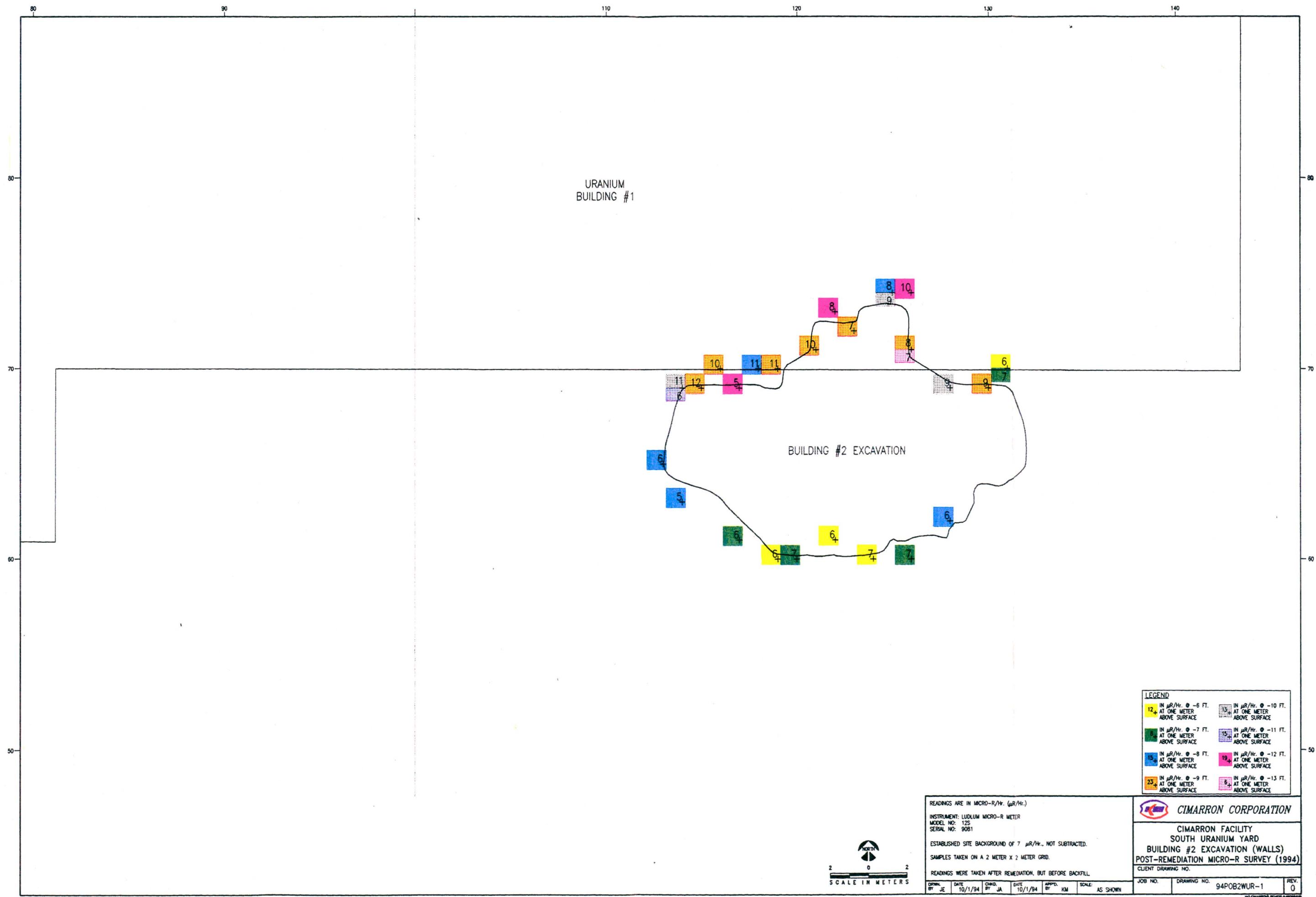












URANIUM
BUILDING #1

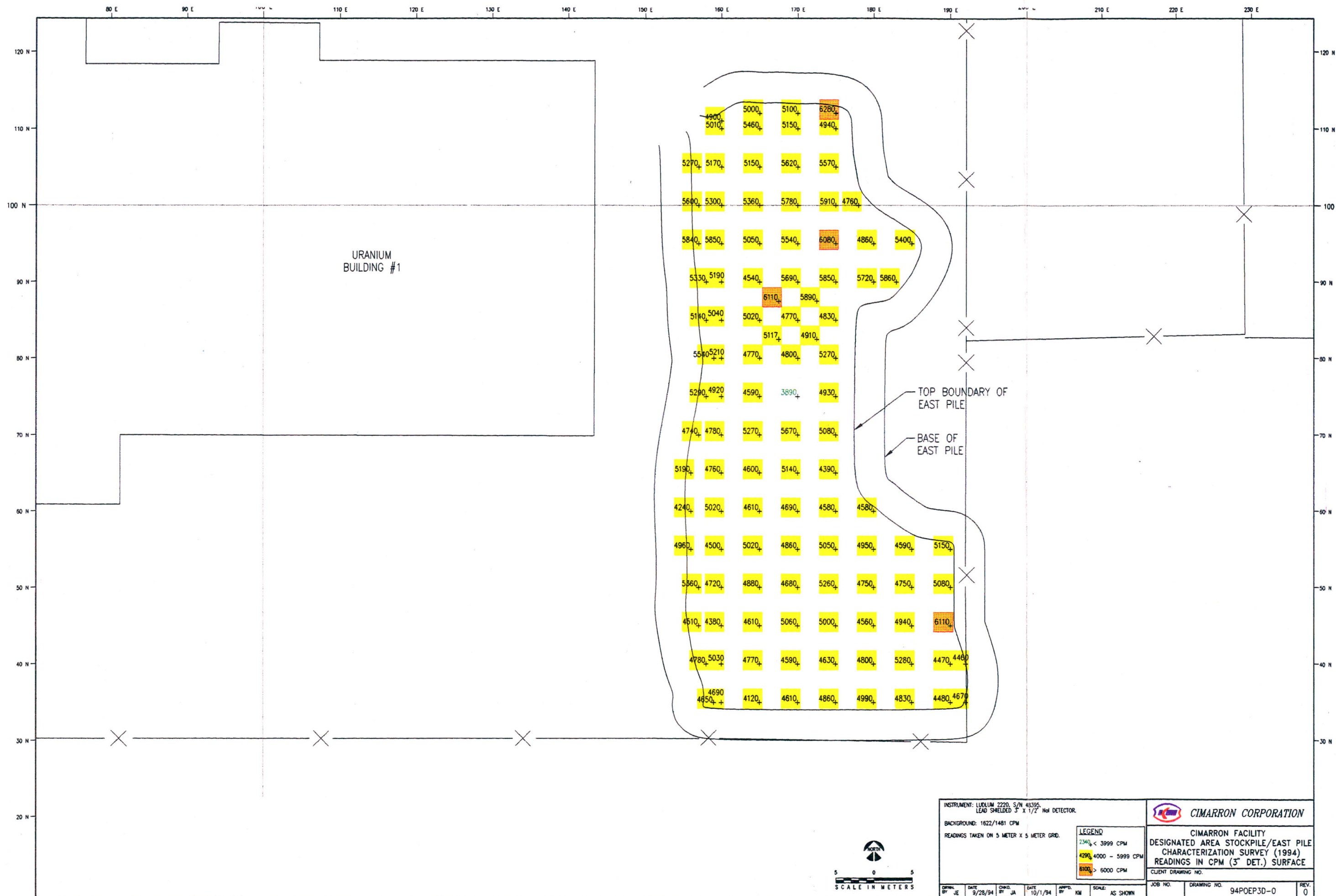
BUILDING #2 EXCAVATION

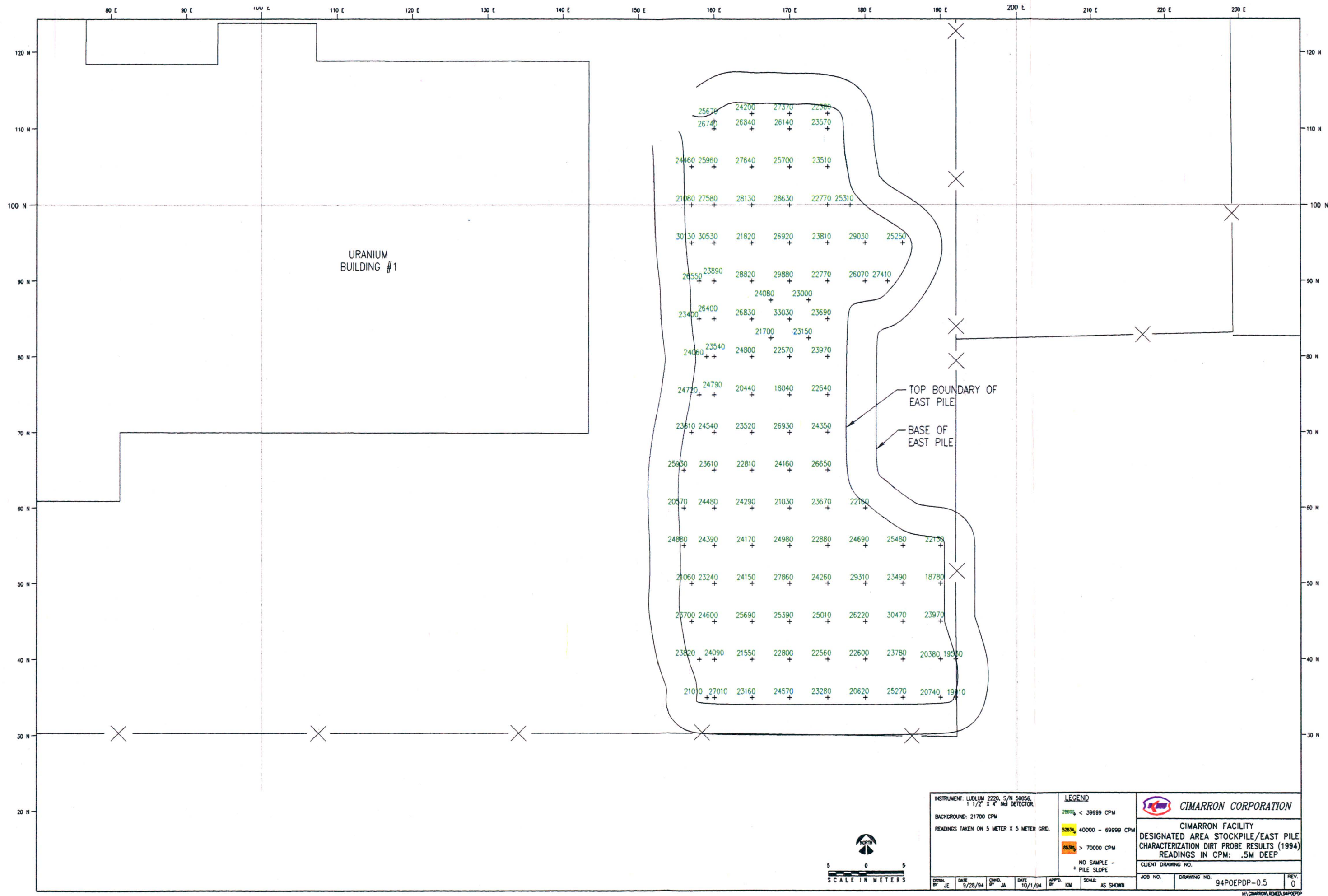
LEGEND			
12	IN μ R/Hr. @ -6 FT. AT ONE METER ABOVE SURFACE	13	IN μ R/Hr. @ -10 FT. AT ONE METER ABOVE SURFACE
5	IN μ R/Hr. @ -7 FT. AT ONE METER ABOVE SURFACE	15	IN μ R/Hr. @ -11 FT. AT ONE METER ABOVE SURFACE
15	IN μ R/Hr. @ -8 FT. AT ONE METER ABOVE SURFACE	19	IN μ R/Hr. @ -12 FT. AT ONE METER ABOVE SURFACE
23	IN μ R/Hr. @ -9 FT. AT ONE METER ABOVE SURFACE	5	IN μ R/Hr. @ -13 FT. AT ONE METER ABOVE SURFACE

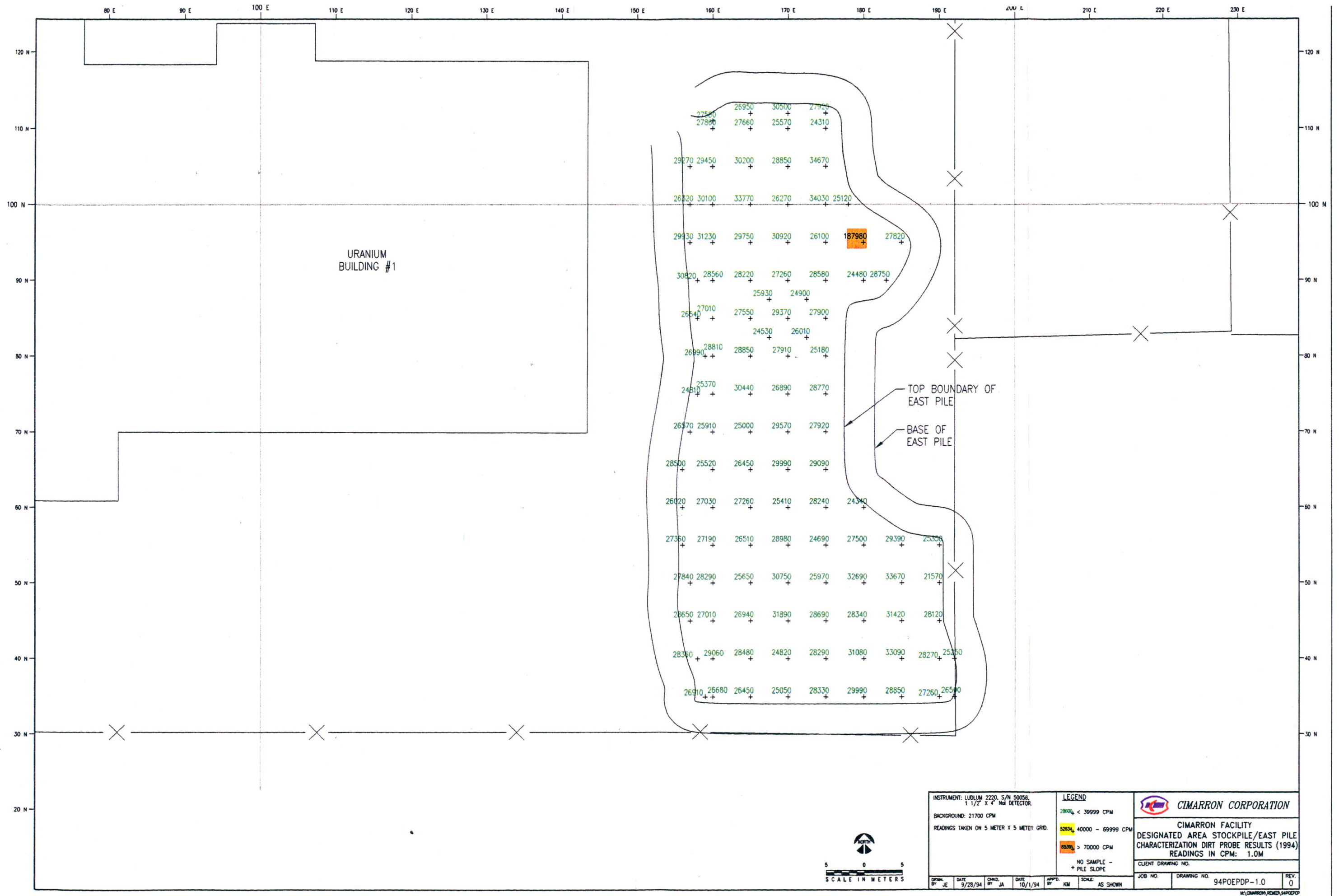
READINGS ARE IN MICRO-R/Hr. (μ R/Hr.)
INSTRUMENT: LUDLUM MICRO-R METER
MODEL NO: 125
SERIAL NO: 9081
ESTABLISHED SITE BACKGROUND OF 7 μ R/Hr., NOT SUBTRACTED.
SAMPLES TAKEN ON A 2 METER X 2 METER GRID.
READINGS WERE TAKEN AFTER REMEDIATION, BUT BEFORE BACKFILL.

CIMARRON CORPORATION	
SOUTH URANIUM YARD	
BUILDING #2 EXCAVATION (WALLS)	
POST-REMEDIATION MICRO-R SURVEY (1994)	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO. 94POB2WUR-1
DATE 10/1/94	REV. 0







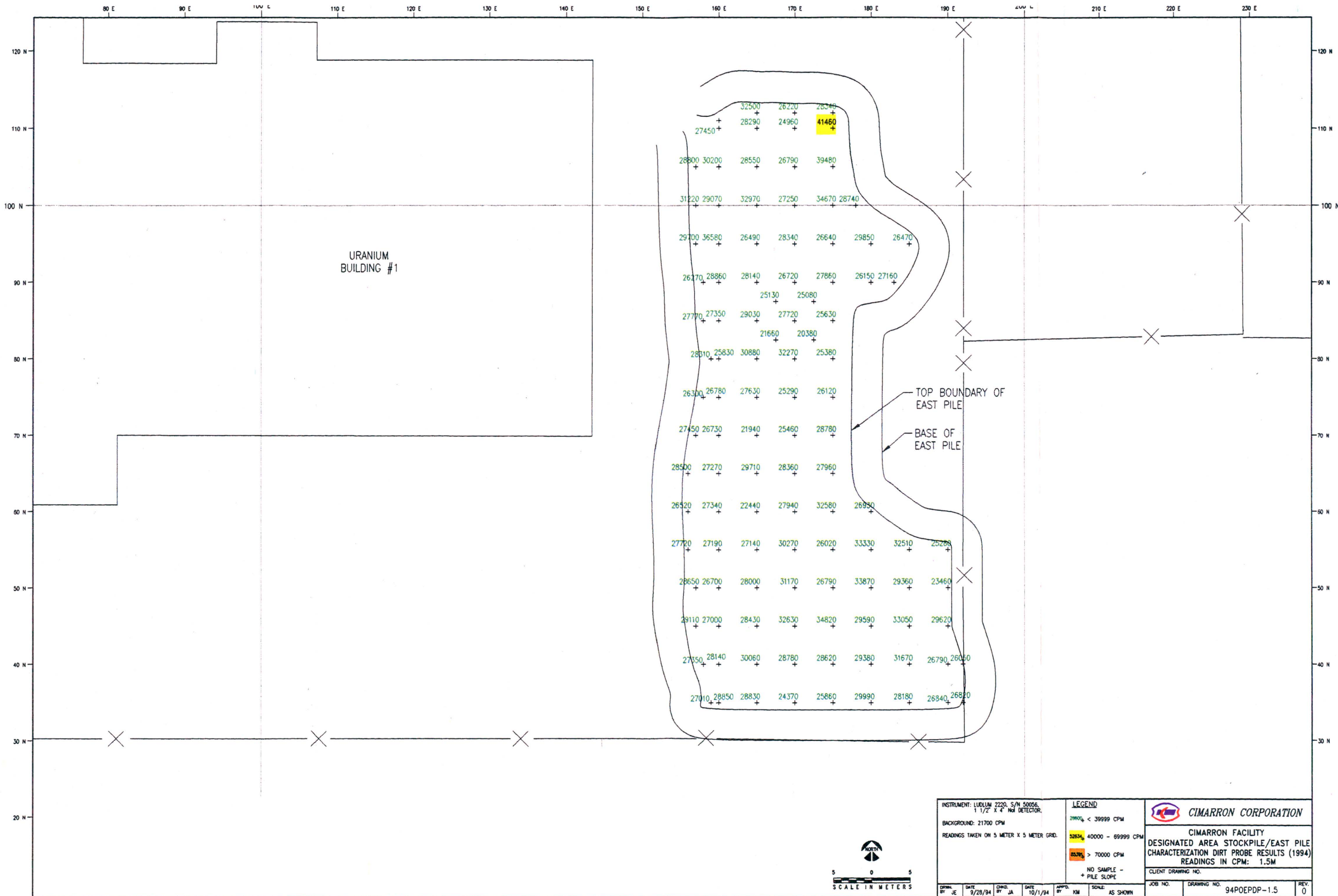


URANIUM
BUILDING #1

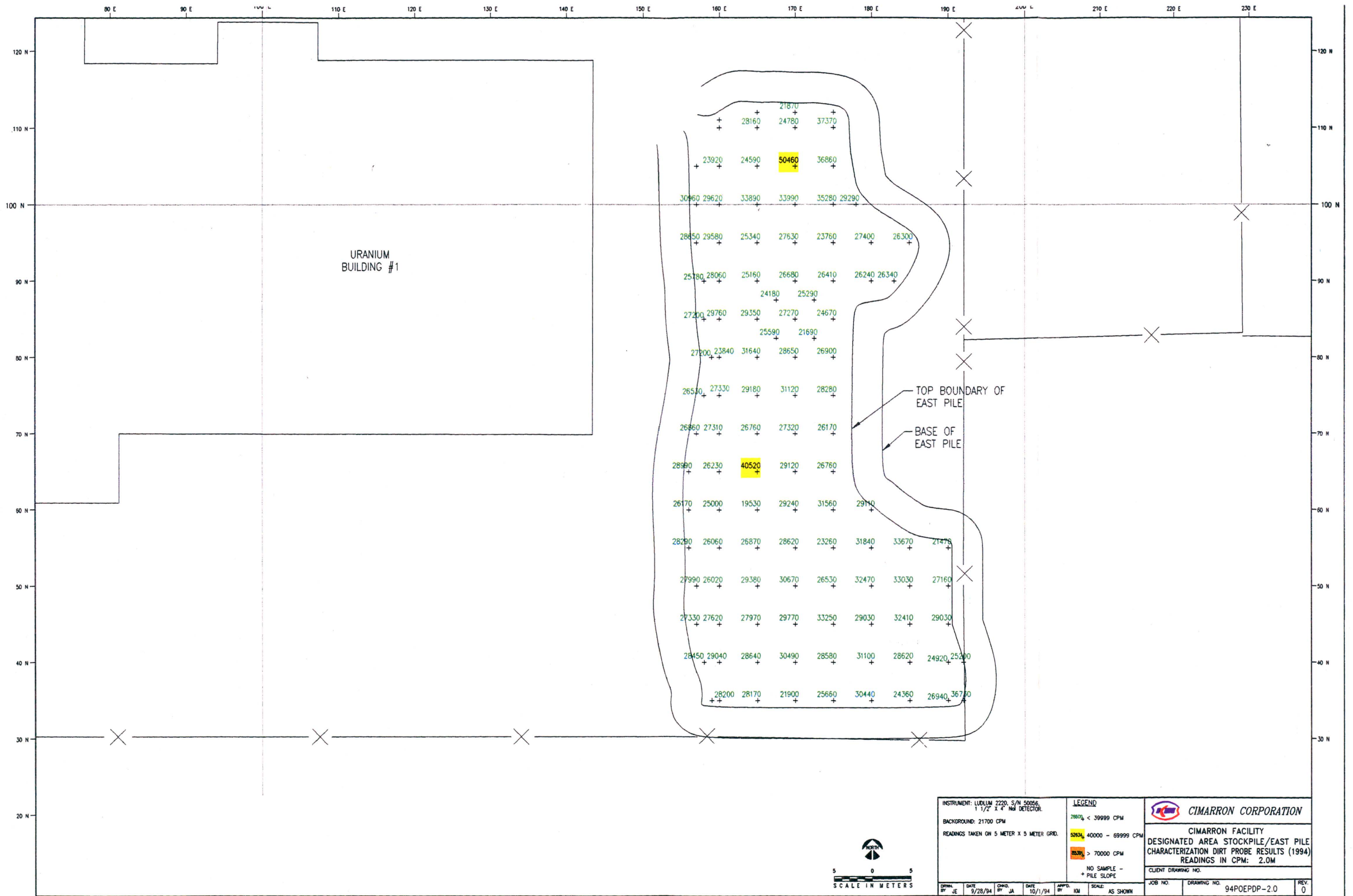
TOP BOUNDARY OF
EAST PILE

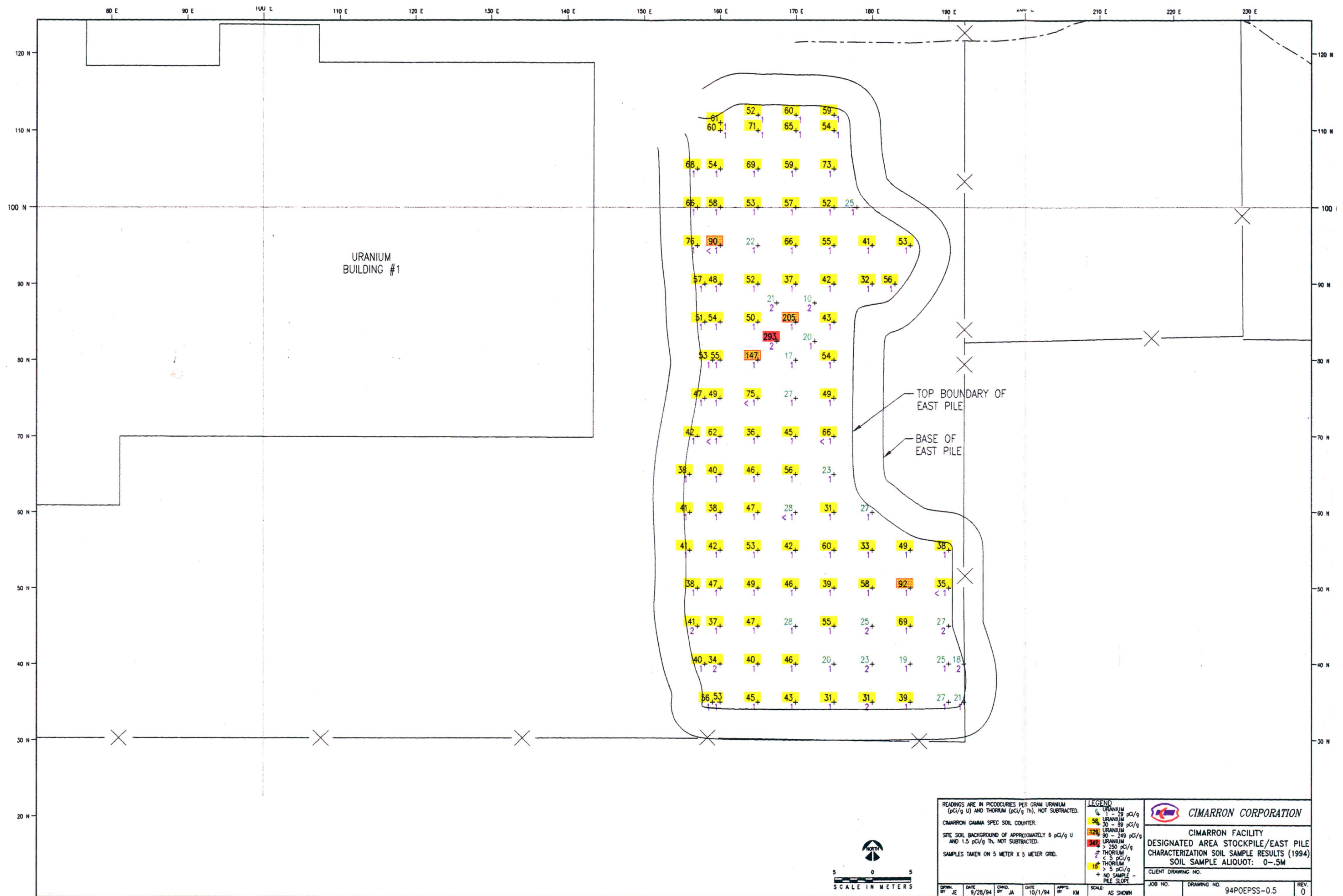
BASE OF
EAST PILE

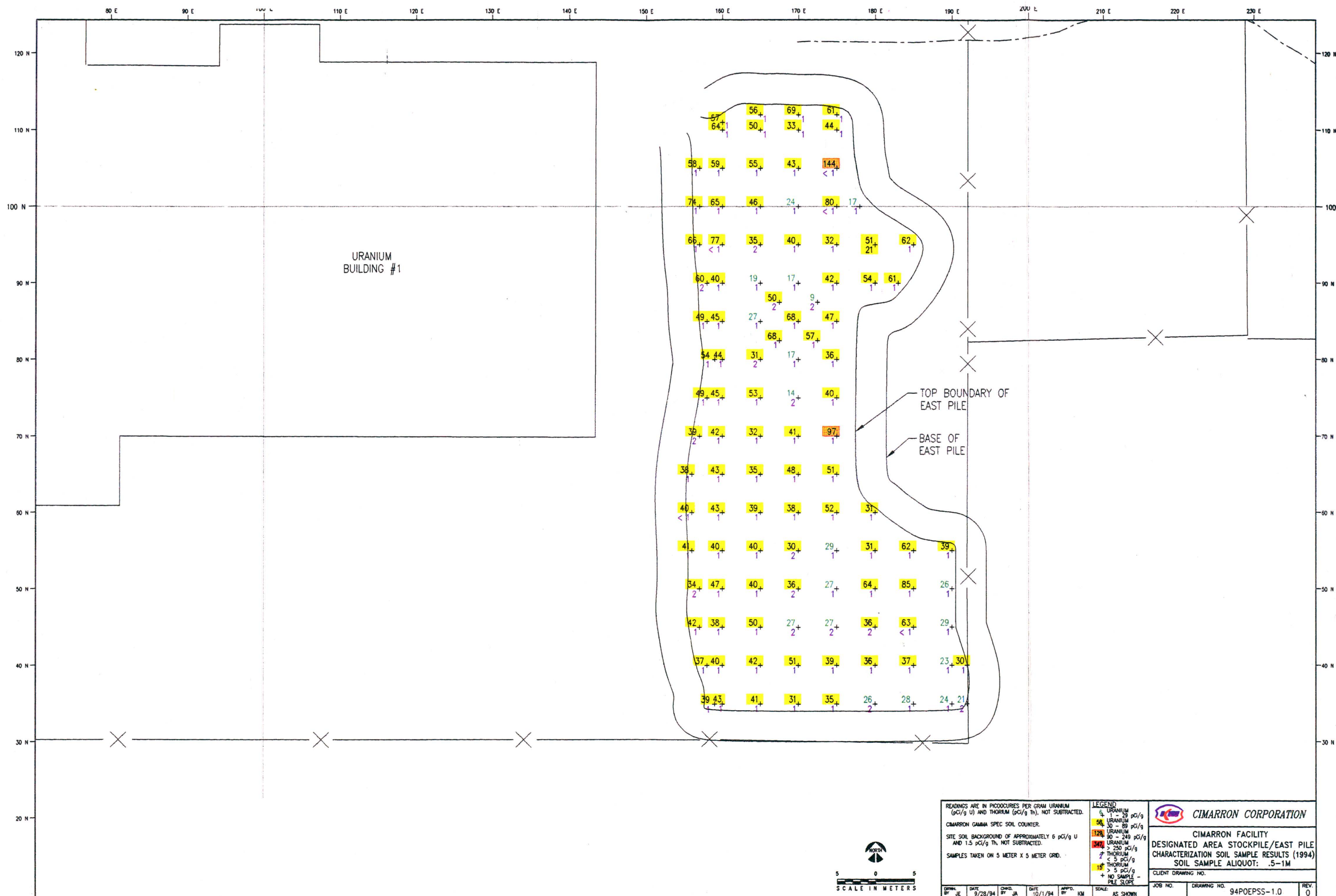
INSTRUMENT: LUDLUM 2220, S/N 50056, 1 1/2" X 4" NaI DETECTOR				LEGEND		CIMARRON CORPORATION	
BACKGROUND: 21700 CPM				28000 < 39999 CPM		CIMARRON FACILITY	
READINGS TAKEN ON 5 METER X 5 METER GRID				52634 40000 - 69999 CPM		DESIGNATED AREA STOCKPILE/EAST PILE	
				65395 > 70000 CPM		CHARACTERIZATION DIRT PROBE RESULTS (1994)	
				NO SAMPLE - * PILE SLOPE		READINGS IN CPM: 1.0M	
						CLIENT DRAWING NO.	
DATE	DATE	DATE	DATE	DATE	DATE	JOB NO.	DRAWING NO.
9/28/94	9/28/94	10/1/94	10/1/94	10/1/94	10/1/94	94POEPDP-1.0	REV. 0

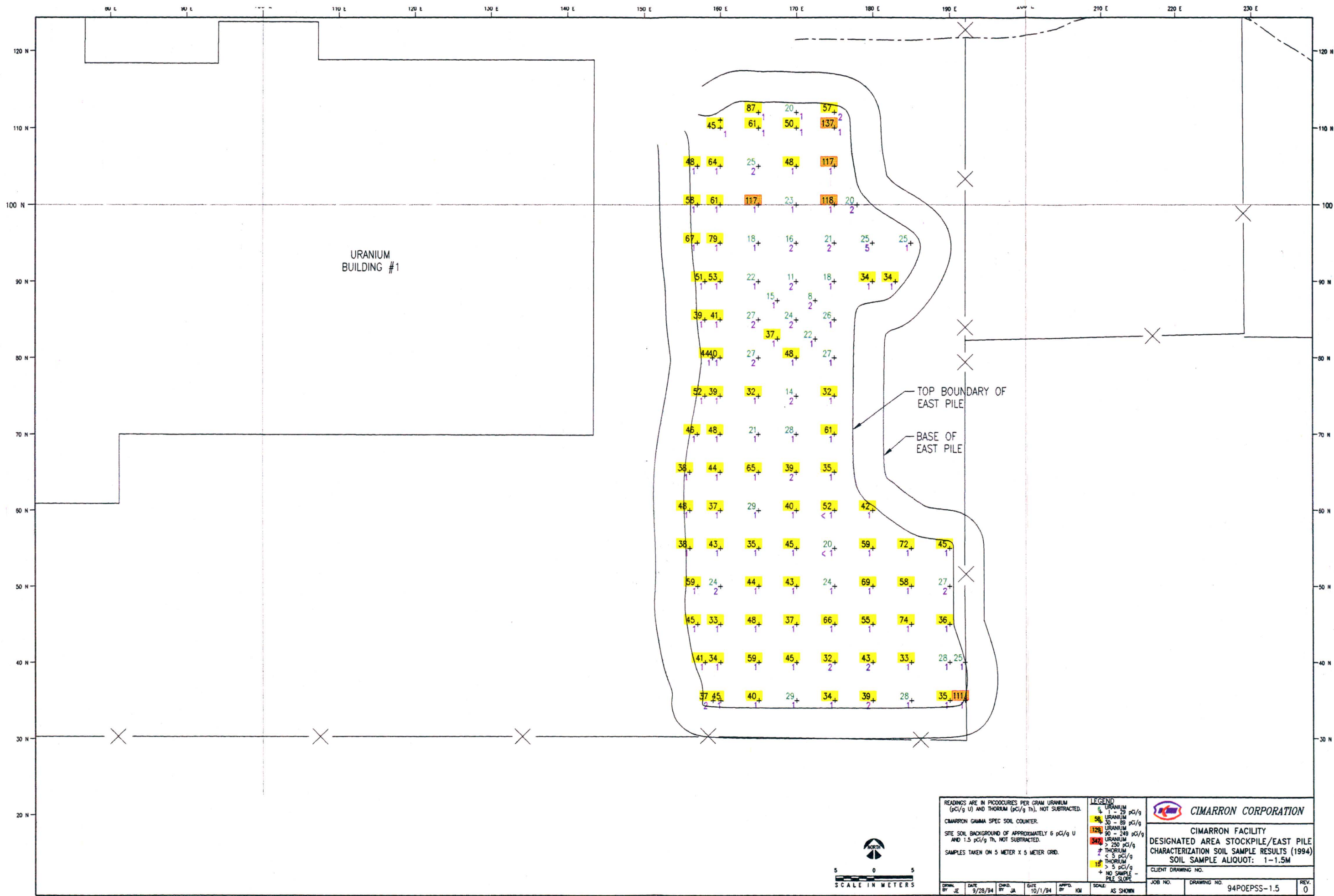


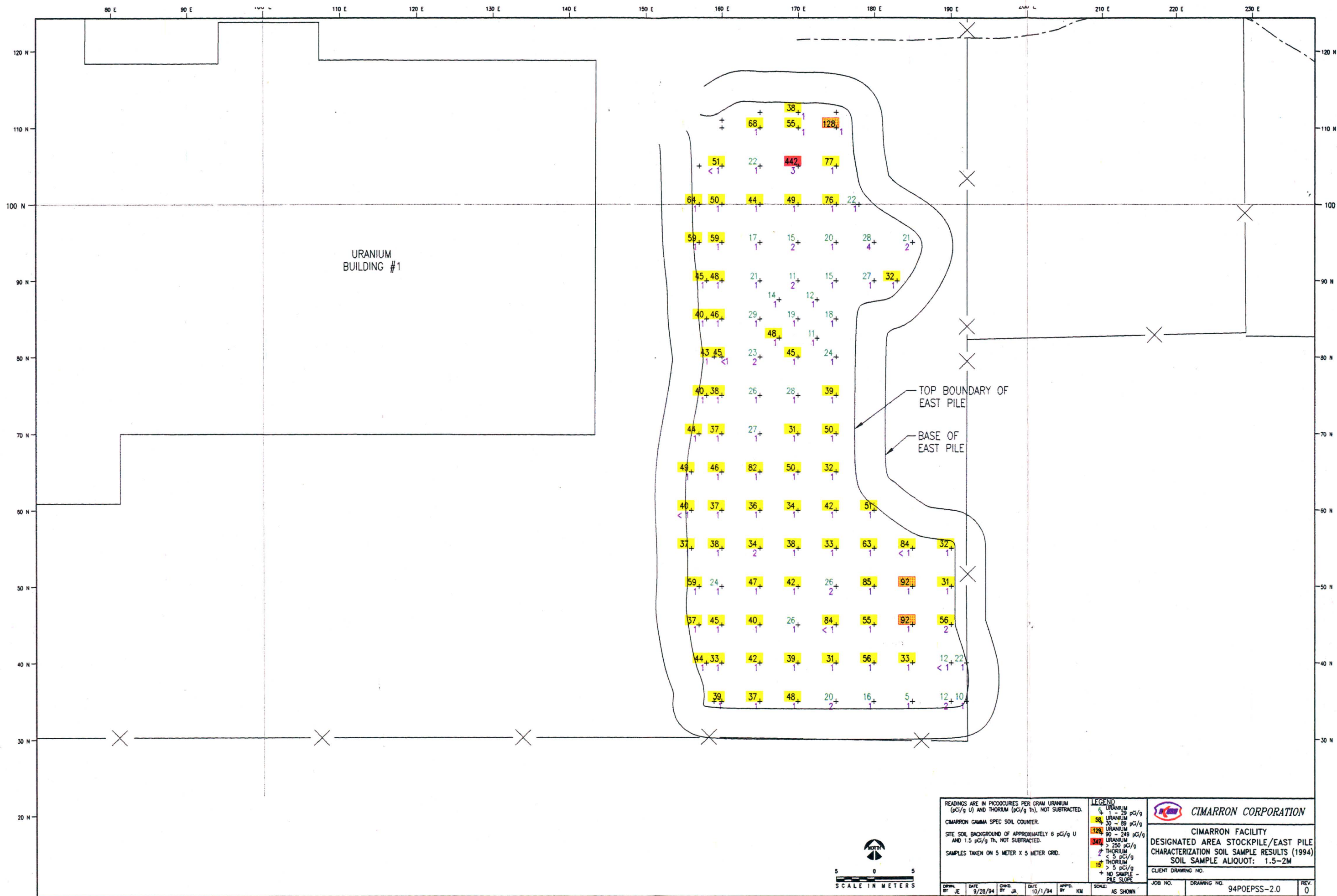
INSTRUMENT: LUDLUM 2220, S/N 50056, 1 1/2" X 4" NaI DETECTOR.				LEGEND		CIMARRON CORPORATION	
BACKGROUND: 21700 CPM				20000 < 39999 CPM		CIMARRON FACILITY	
READINGS TAKEN ON 5 METER X 5 METER GRID.				52634 40000 - 69999 CPM		DESIGNATED AREA STOCKPILE/EAST PILE	
				85383 > 70000 CPM		CHARACTERIZATION DIRT PROBE RESULTS (1994)	
				NO SAMPLE - + FILE SLOPE		READINGS IN CPM: 1.5M	
						CLIENT DRAWING NO.	
DATE	DATE	DATE	DATE	DATE	DATE	JOB NO.	DRAWING NO.
9/28/94	9/28/94	10/1/94	10/1/94	10/1/94	10/1/94	94POEPDP-1.5	REV. 0

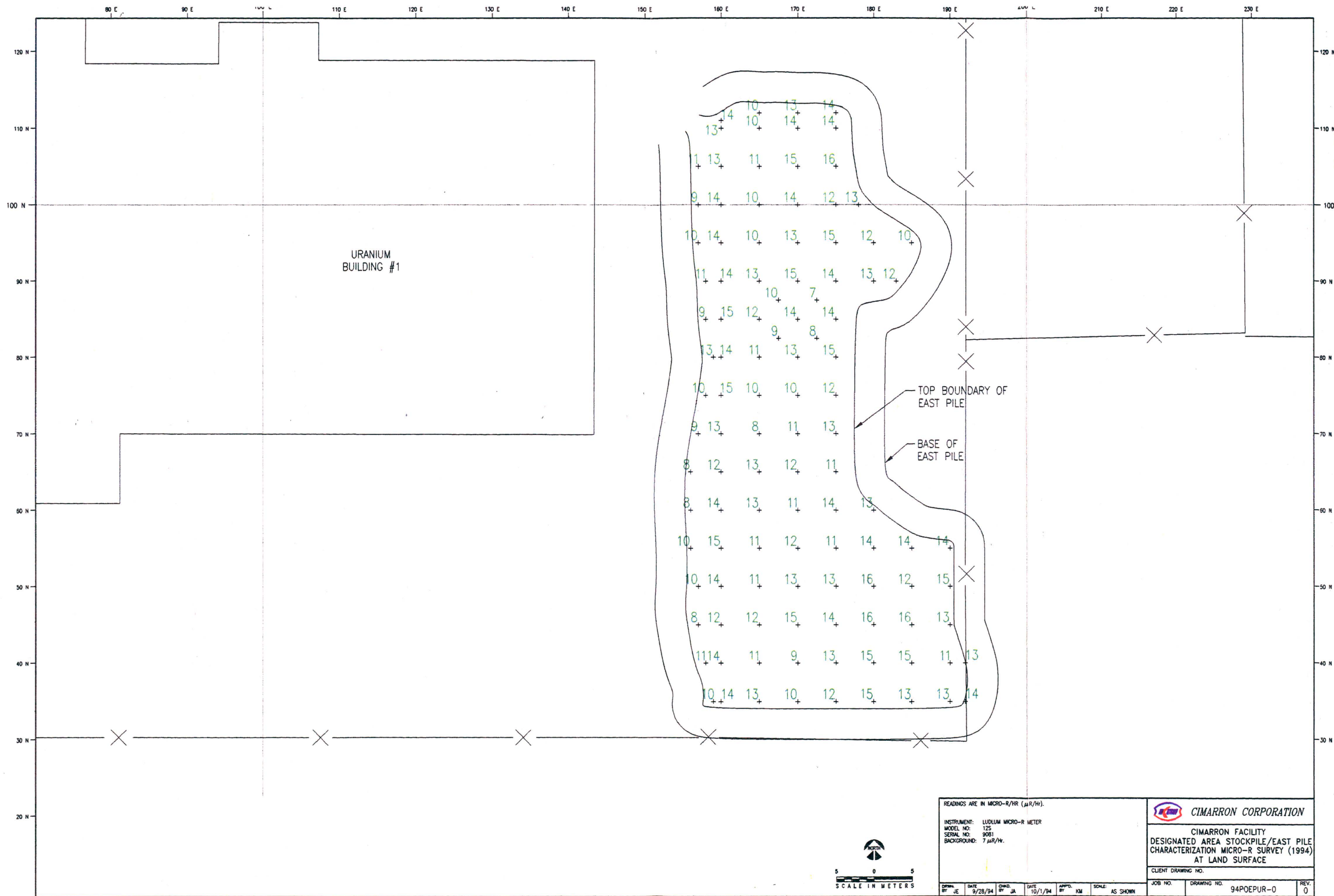







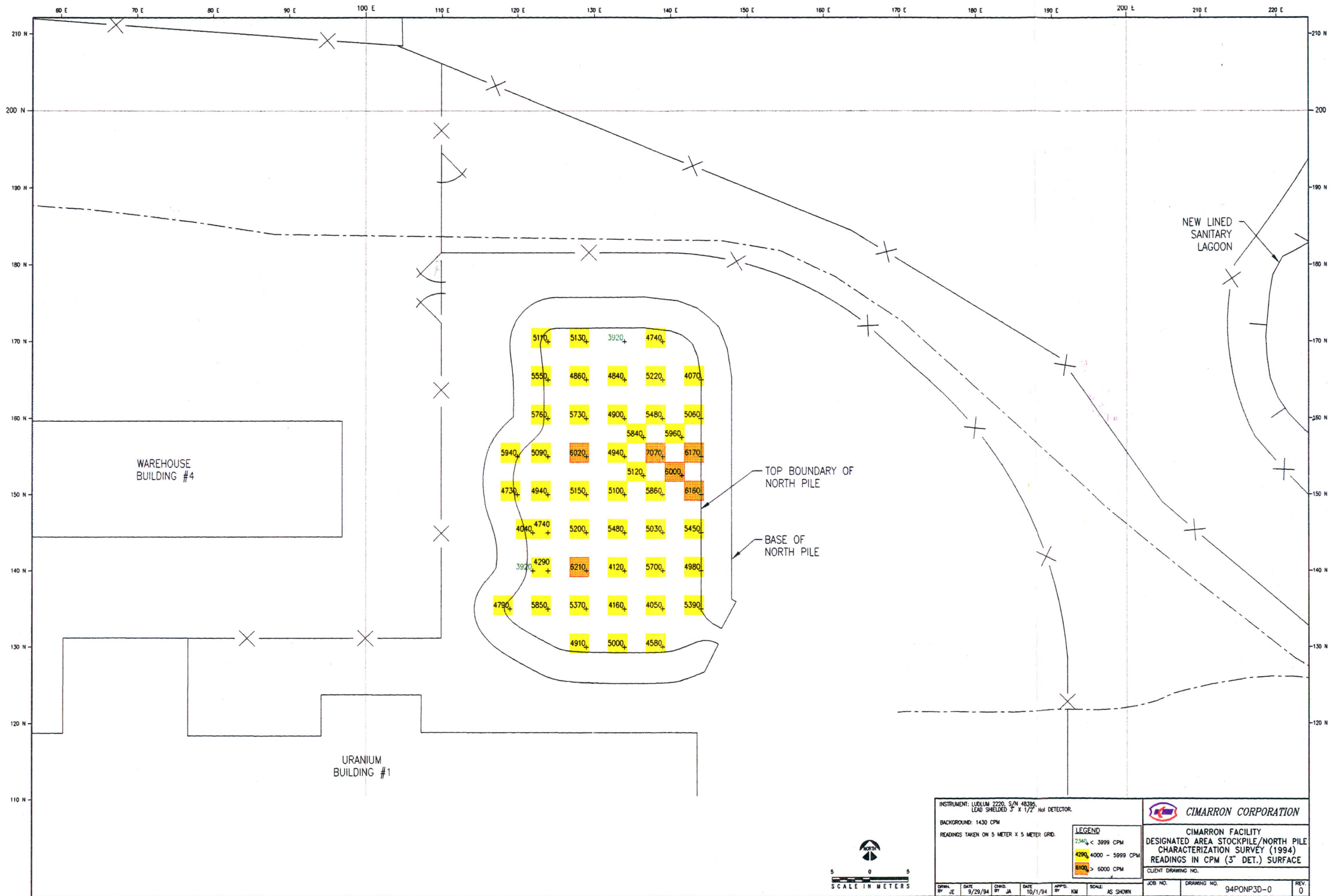


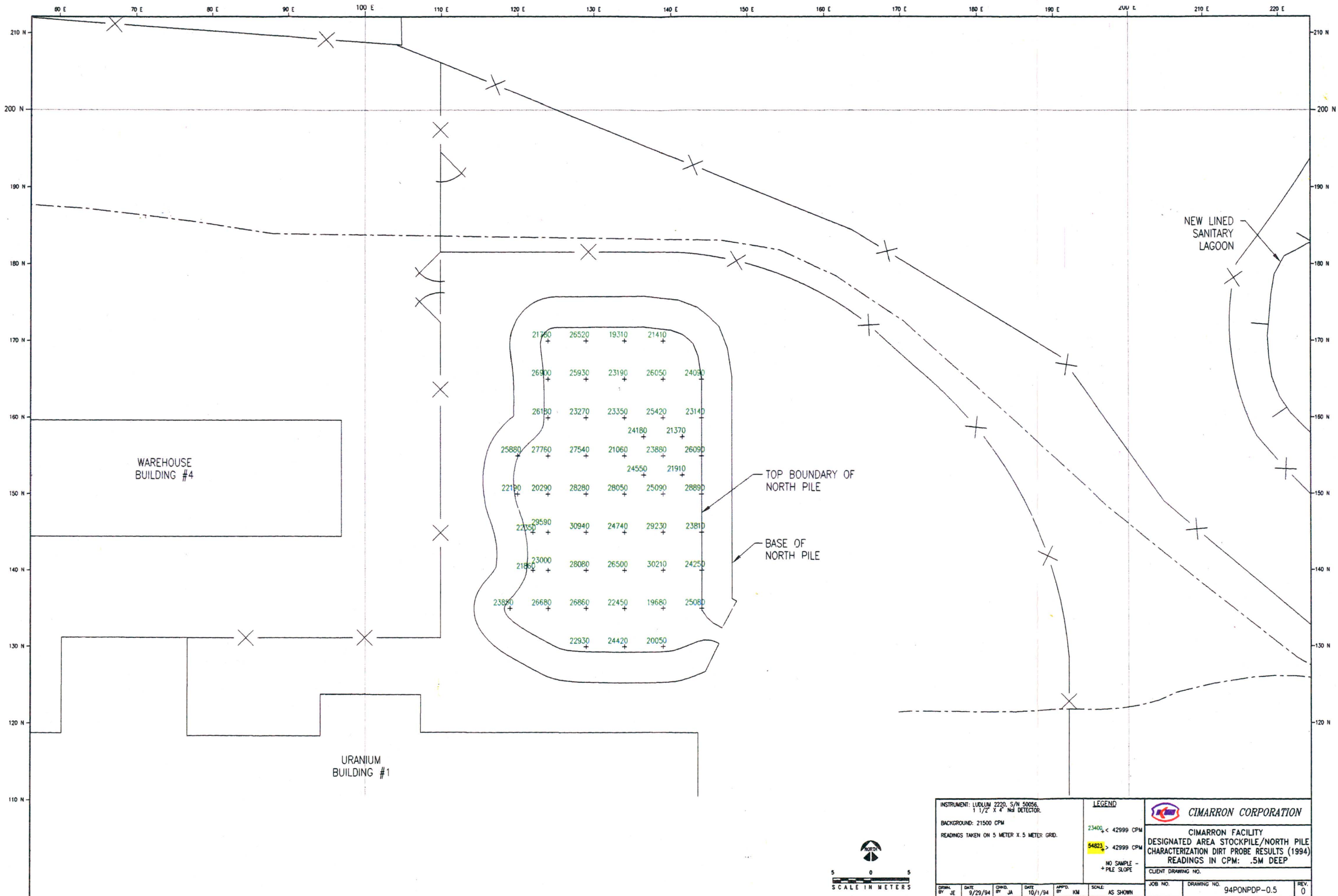


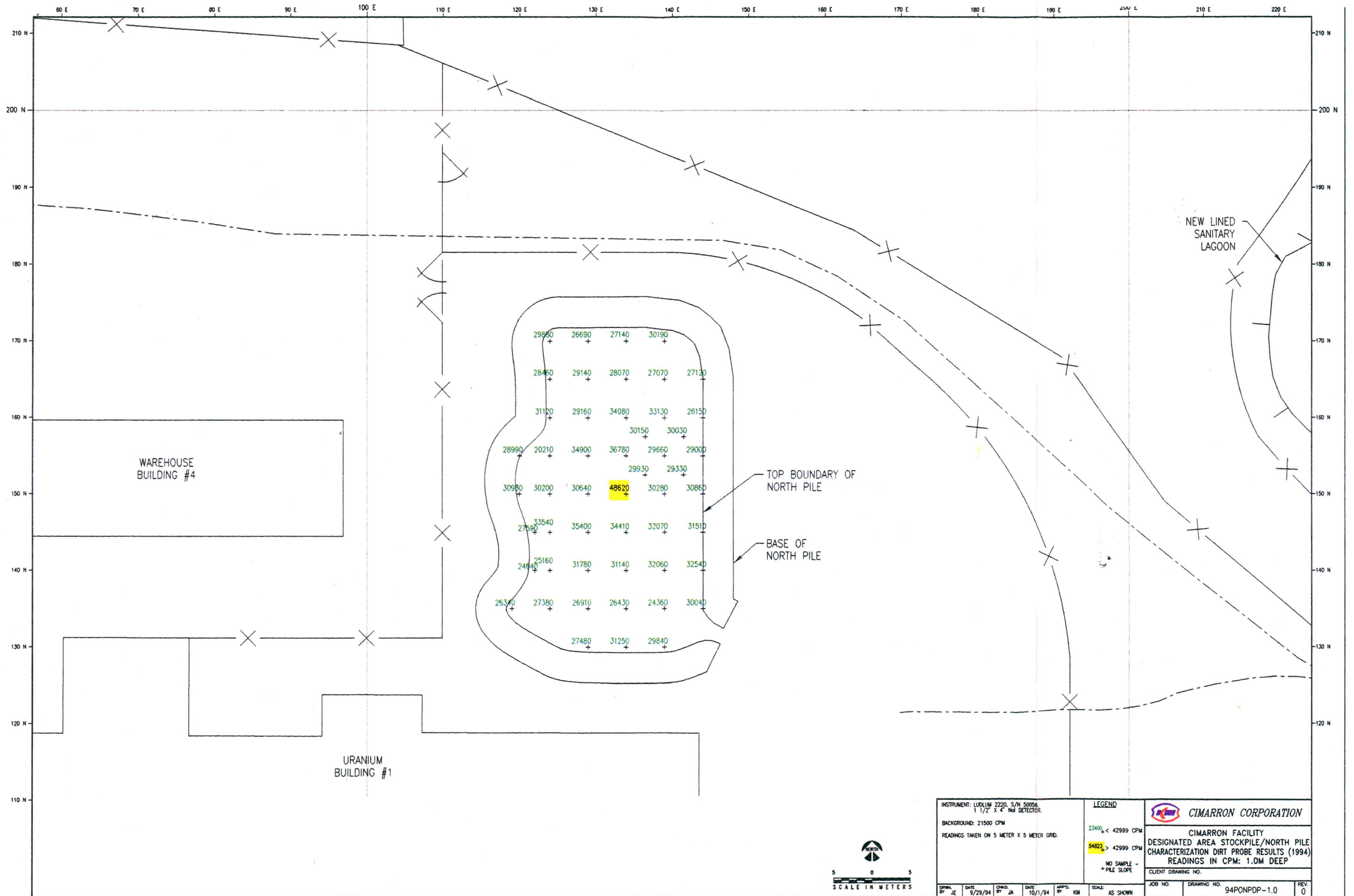


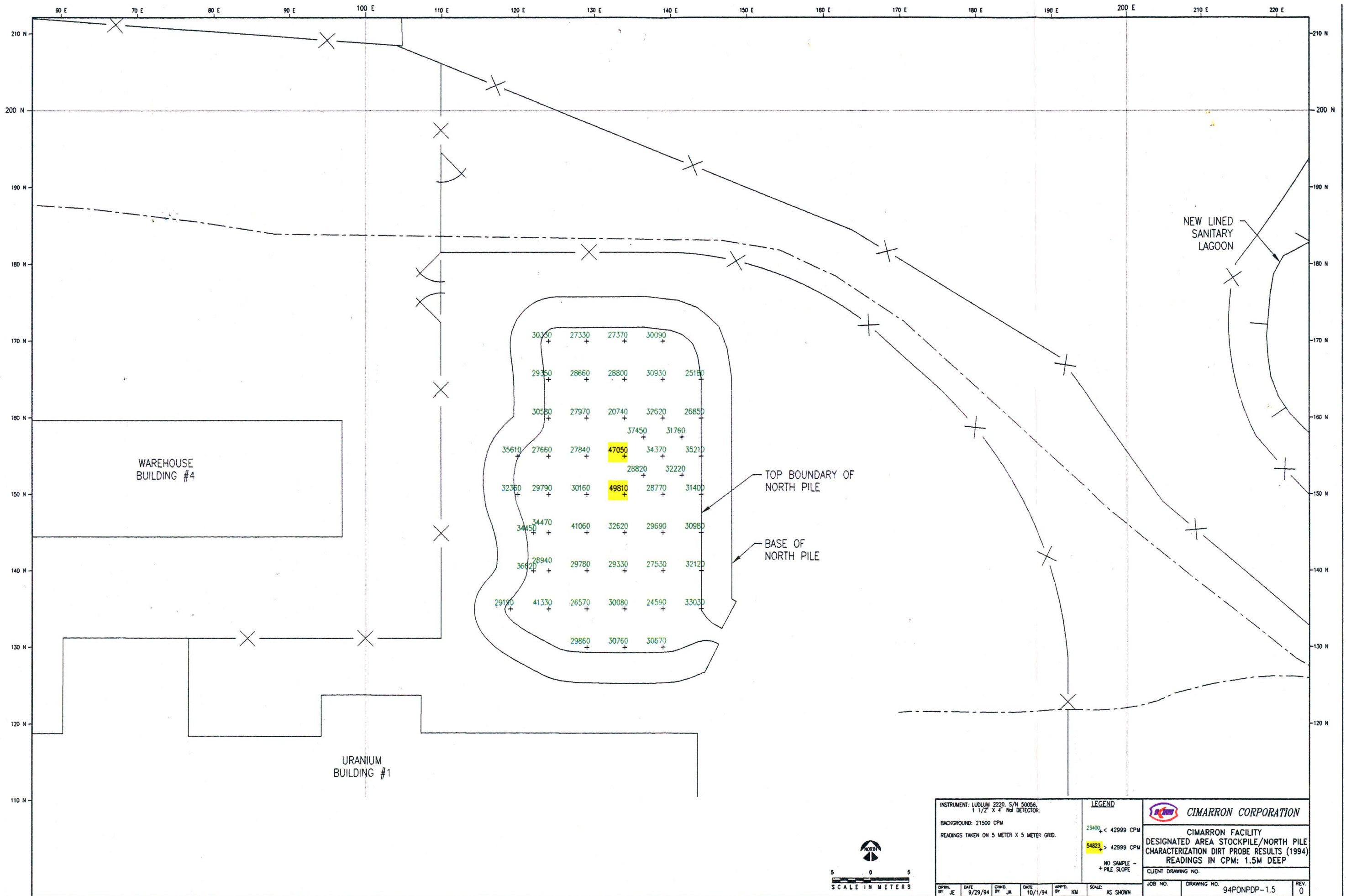
READINGS ARE IN MICRO-R/HR ($\mu R/HR$).										 CIMARRON CORPORATION	
INSTRUMENT: LUDLUM MICRO-R METER										CIMARRON FACILITY	
MODEL NO: 125										DESIGNATED AREA STOCKPILE/EAST PILE	
SERIAL NO: 9081										CHARACTERIZATION MICRO-R SURVEY (1994)	
BACKGROUND: 7 $\mu R/HR$.										AT LAND SURFACE	
CLIENT DRAWING NO.										JOB NO.	
DRAWING NO.										94POEPUR-0	
REV.										0	
DRWN BY: JE	DATE: 9/28/94	CHGD BY: JA	DATE: 10/1/94	APPRD BY: KM	SCALE: AS SHOWN						

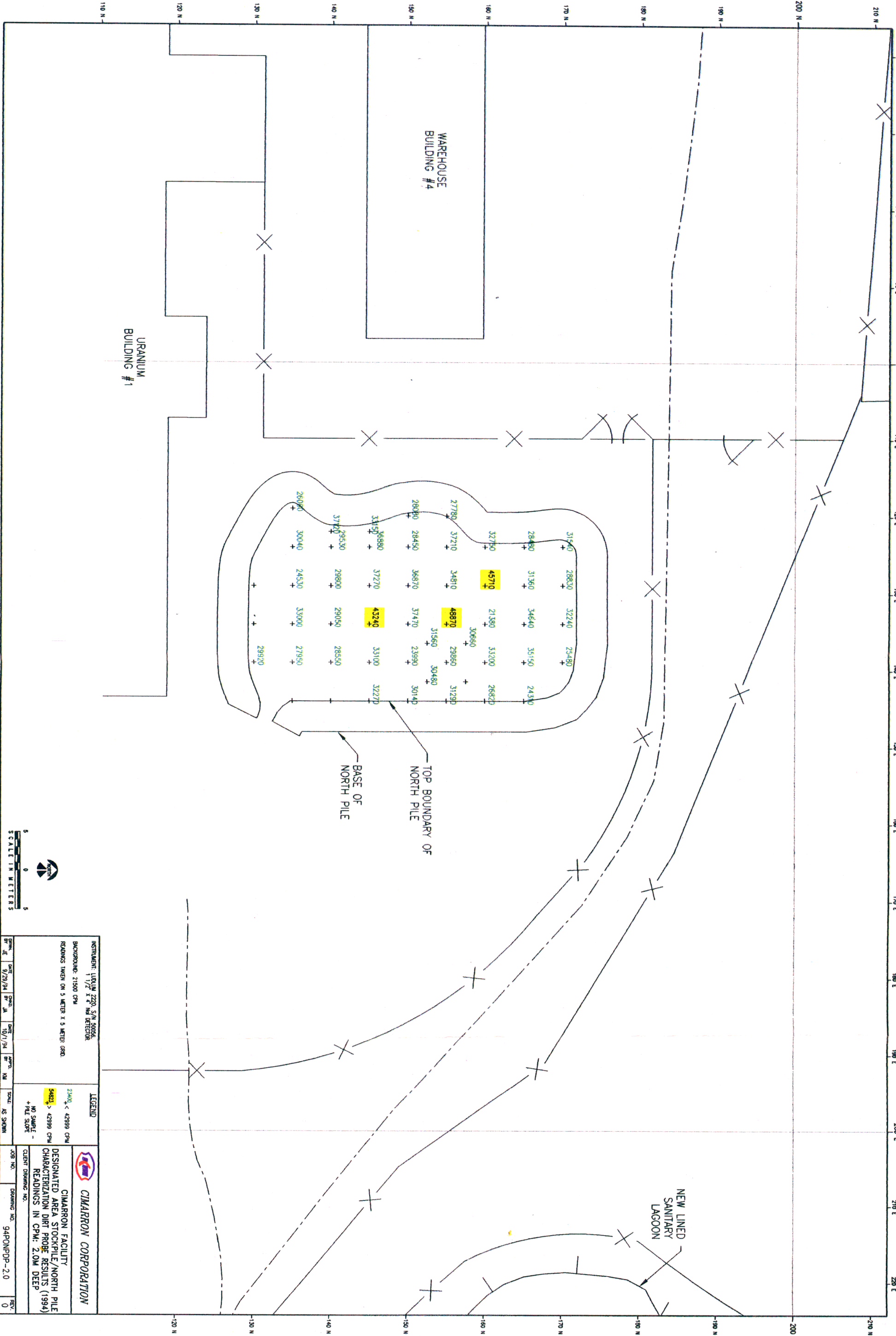
145 CIMARRON (REV) 94POEPUR



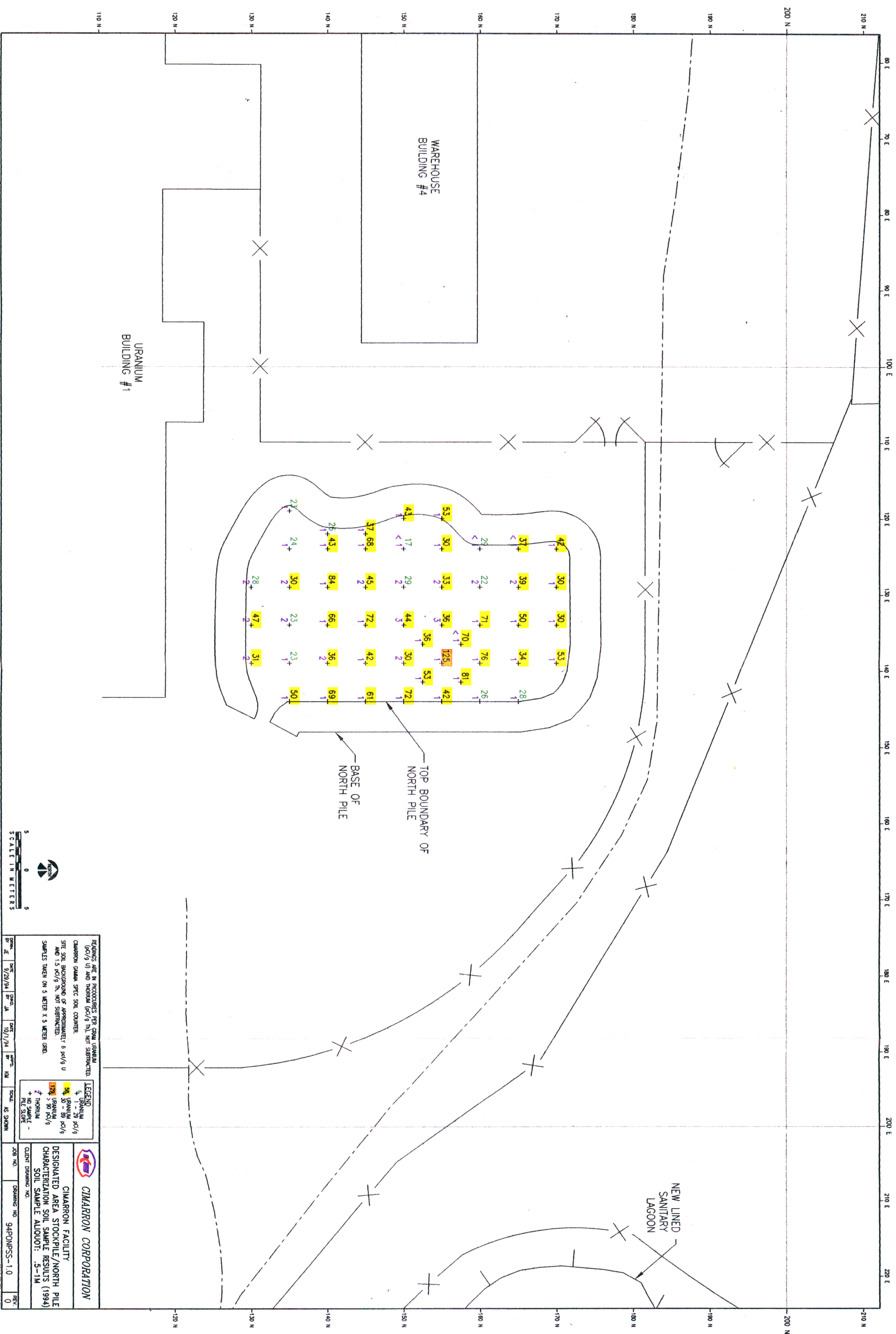


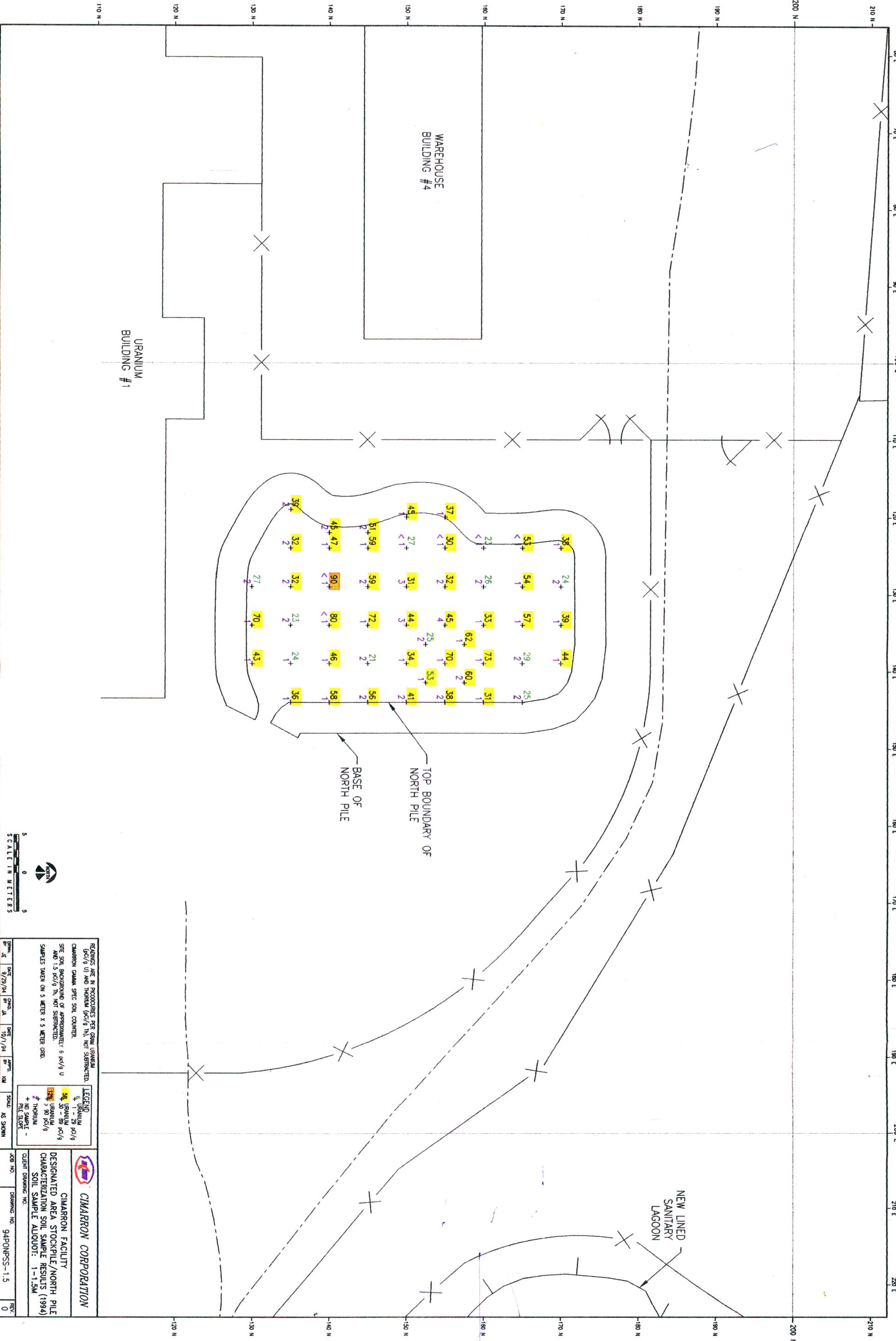






INSTRUMENT: LULUM 2220, S/N 50966 BACKGROUND: 21500 CPM READINGS TAKEN ON 5 METER X 5 METER GRID				LEGEND		CIMARRON CORPORATION	
DATE: 9/29/94	BY: JA	DATE: 10/1/94	BY: JM	SCALE: AS SHOWN	23400 < 42999 CPM 34623 > 42999 CPM NO SAMPLE + PILE SOLE	DESIGNATED AREA STOCKPILE/NORTH PILE CHARACTERIZATION DIRT PROBE RESULTS (1994) READINGS IN CPM: 2.0M DEEP	CIMARRON FACILITY
JOB NO.	DRAWING NO.	94PONDPP-2.0	REV.	0			





RECORDS ARE IN PROGRESS PER GRAM URANIUM (ppb/g U) AND THORIUM (ppb/g Th), NOT SUBTRACTED.

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 ppb/g U AND 1.5 ppb/g Th, NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

LEGEND

URANIUM
30 - 89 ppb/g

THORIUM
> 90 ppb/g

NO SAMPLE -
PIL. SOIL

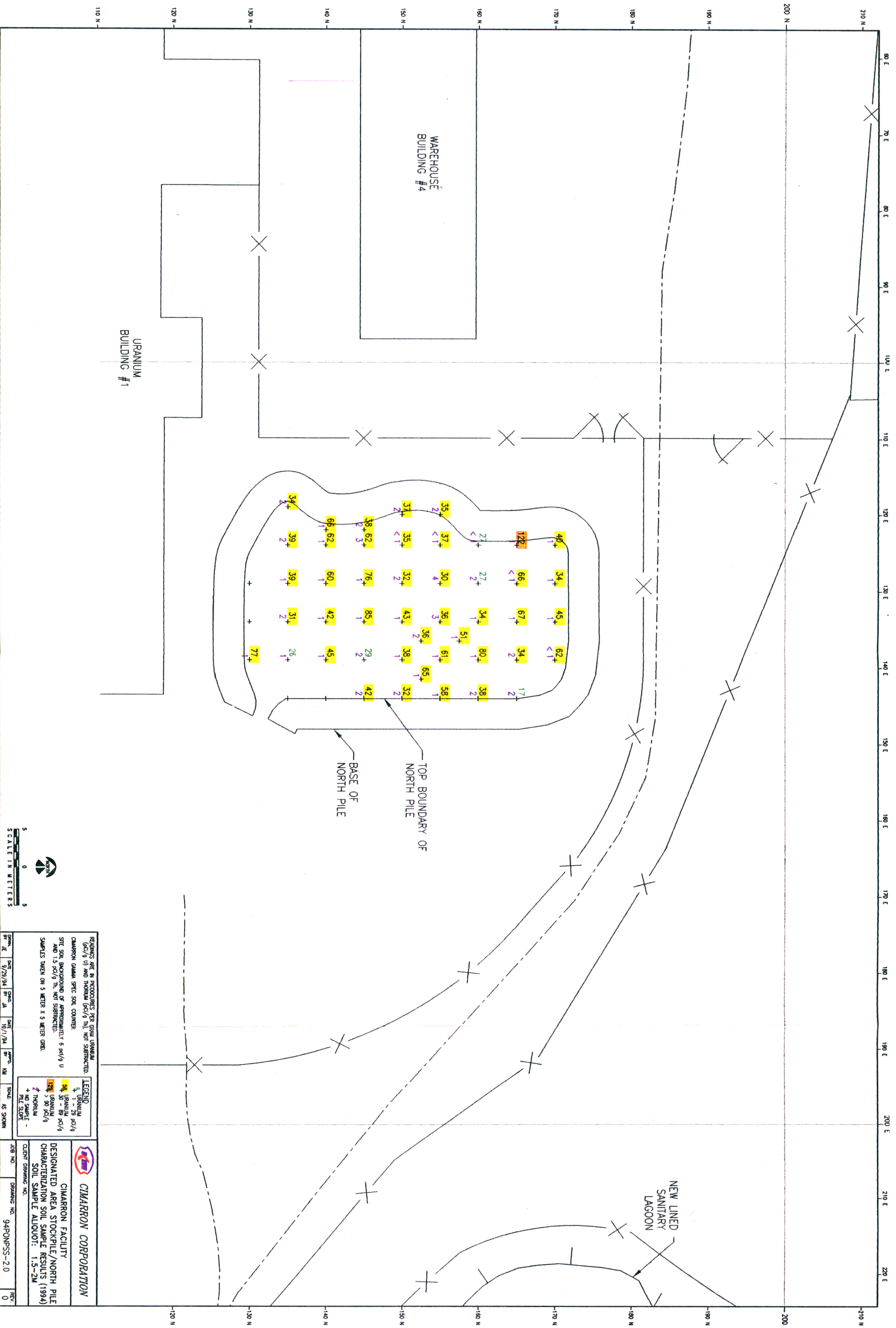
CIMARRON CORPORATION

DESIGNATED AREA STOCKPILE/NORTH PILE
CHARACTERIZATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALLOUT: 1-1.5M

CLIENT DRAWING NO. 94FONPSS-1.5

REV. 0

DATE	7/29/94	DATE	7/29/94	DATE	7/29/94	DATE	7/29/94
BY	JA	BY	JA	BY	JA	BY	JA
SCALE	AS SHOWN	SCALE	AS SHOWN	SCALE	AS SHOWN	SCALE	AS SHOWN



WAREHOUSE
BUILDING #4

URANIUM
BUILDING #1

TOP BOUNDARY OF
NORTH PILE

BASE OF
NORTH PILE

NEW LINED
SANITARY
LAGOON



REQUIREMENTS ARE IN PROCEEDURES PER GRAM URANIUM (p.c/g U) AND THORIUM (p.c/g Th), NOT SUBTRACTED.

CAMARON GAMMA SPEC. SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROXIMATELY 6 p.c/g U AND 1.5 p.c/g Th, NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METERS X 5 METER GRID.

LEGEND

URANIUM
5 - 29 p.c/g

URANIUM
30 - 89 p.c/g

URANIUM
> 90 p.c/g

THORIUM

+ NO SAMPLE

FILE SLOPE

CIMARON CORPORATION

DESIGNATED AREA STOCKPILE/NORTH PILE

CHARACTERIZATION SOIL SAMPLE RESULTS (1994)

SOIL SAMPLE ALLOUOT: 1.5-2M

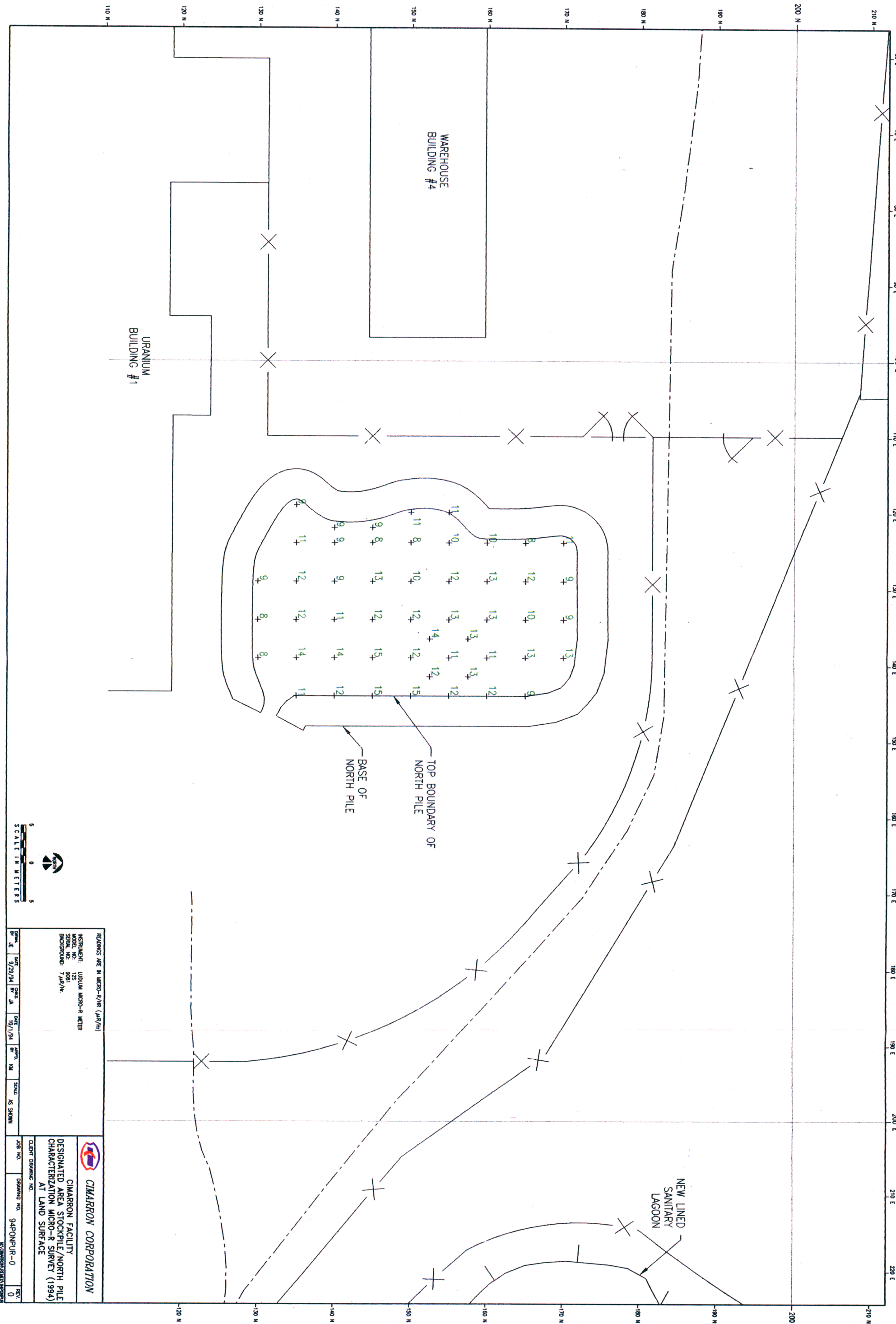
CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 94PONPSS-2.0

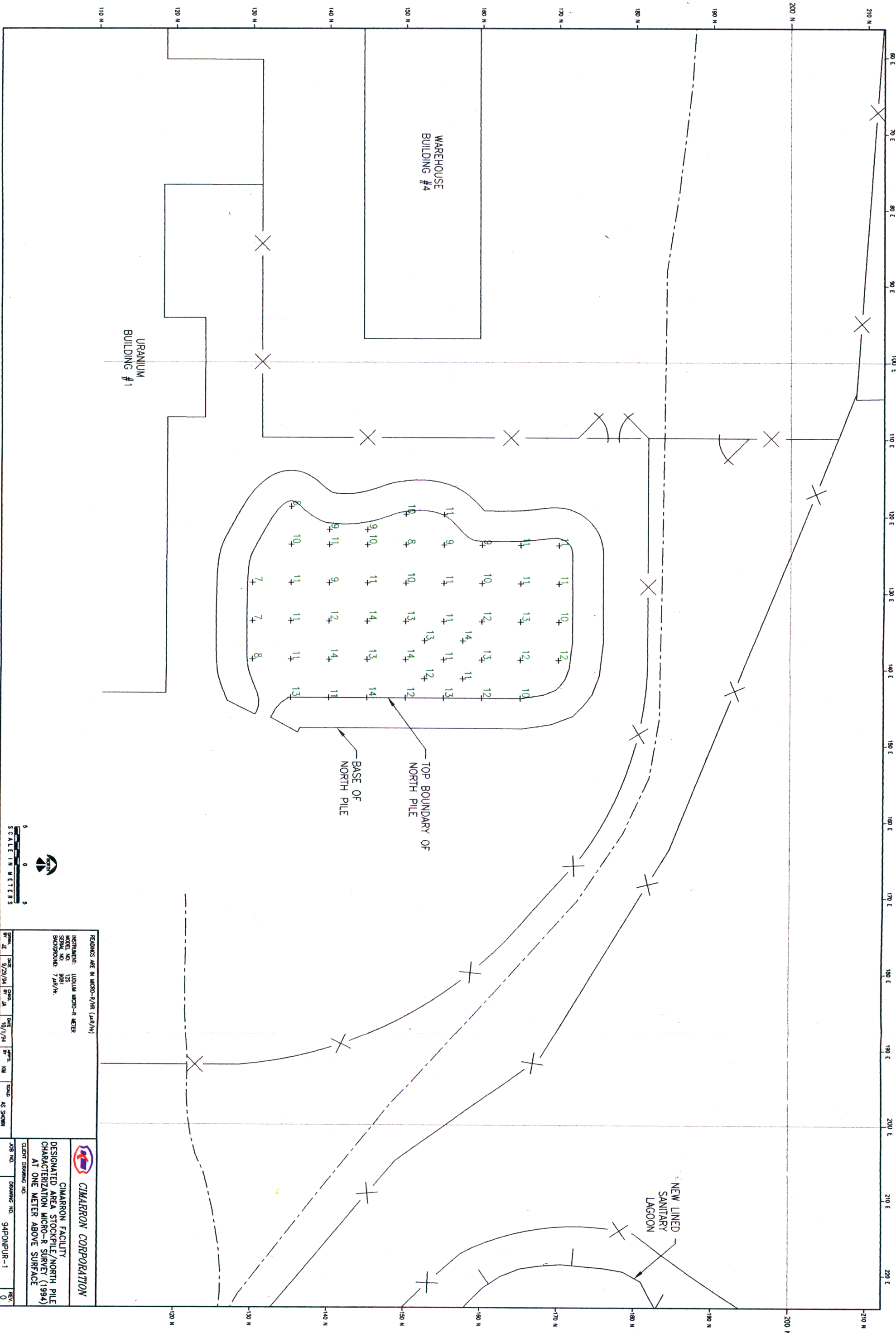
REV. 0

DATE	BY	DATE	BY	DATE	BY	SCALE
5/29/94	JE	10/1/94	RM			AS SHOWN

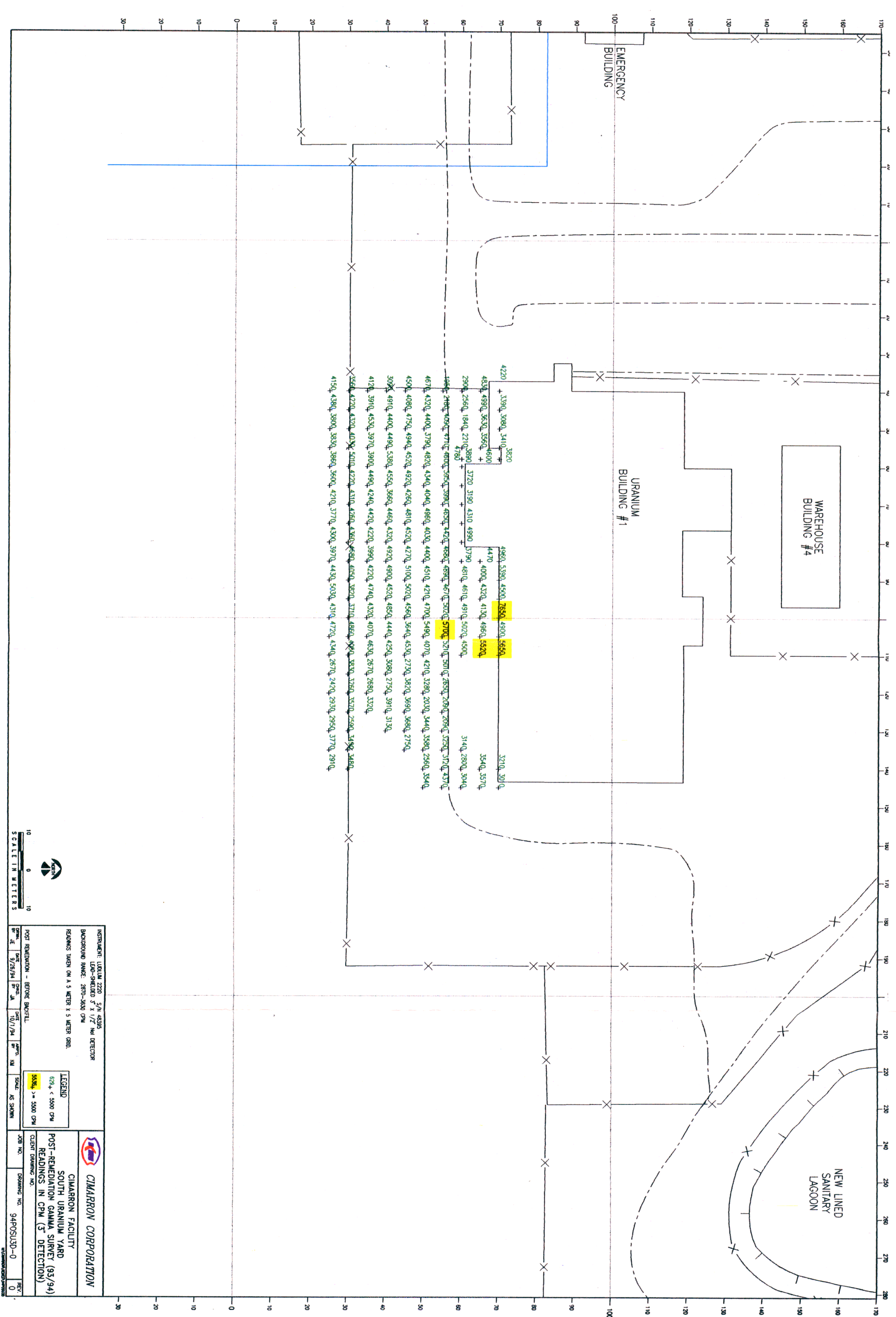


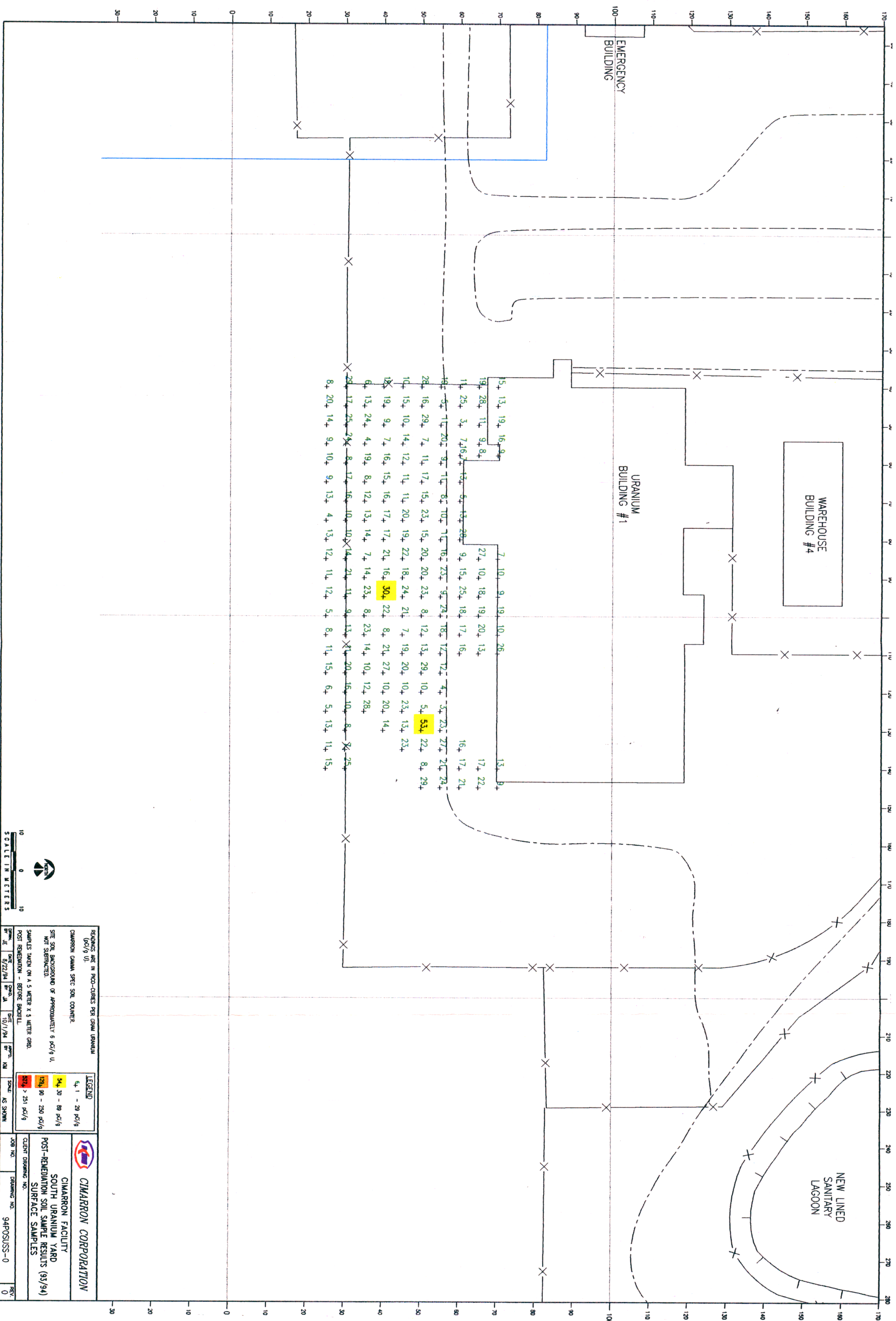
READINGS ARE IN MICRO-R/NR (µR/Nr) INSTRUMENT: LUDOLM MICRO-R METER MODEL NO: 125 SERIAL NO: 5081 BACKGROUND: 7 µR/Nr									
DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
9/29/94	10:11	10/1/94	10:11	10/1/94	10:11	10/1/94	10:11	10/1/94	10:11
BY	JE	BY	JE	BY	JE	BY	JE	BY	JE
940NPLR-0		940NPLR-0		940NPLR-0		940NPLR-0		940NPLR-0	
REV	0	REV	0	REV	0	REV	0	REV	0

CIMARRON CORPORATION
CIMARRON FACILITY
 DESIGNATED AREA STOCKPILE/NORTH PILE
 CHARACTERIZATION MICRO-R SURVEY (1994)
 AT LAND SURFACE

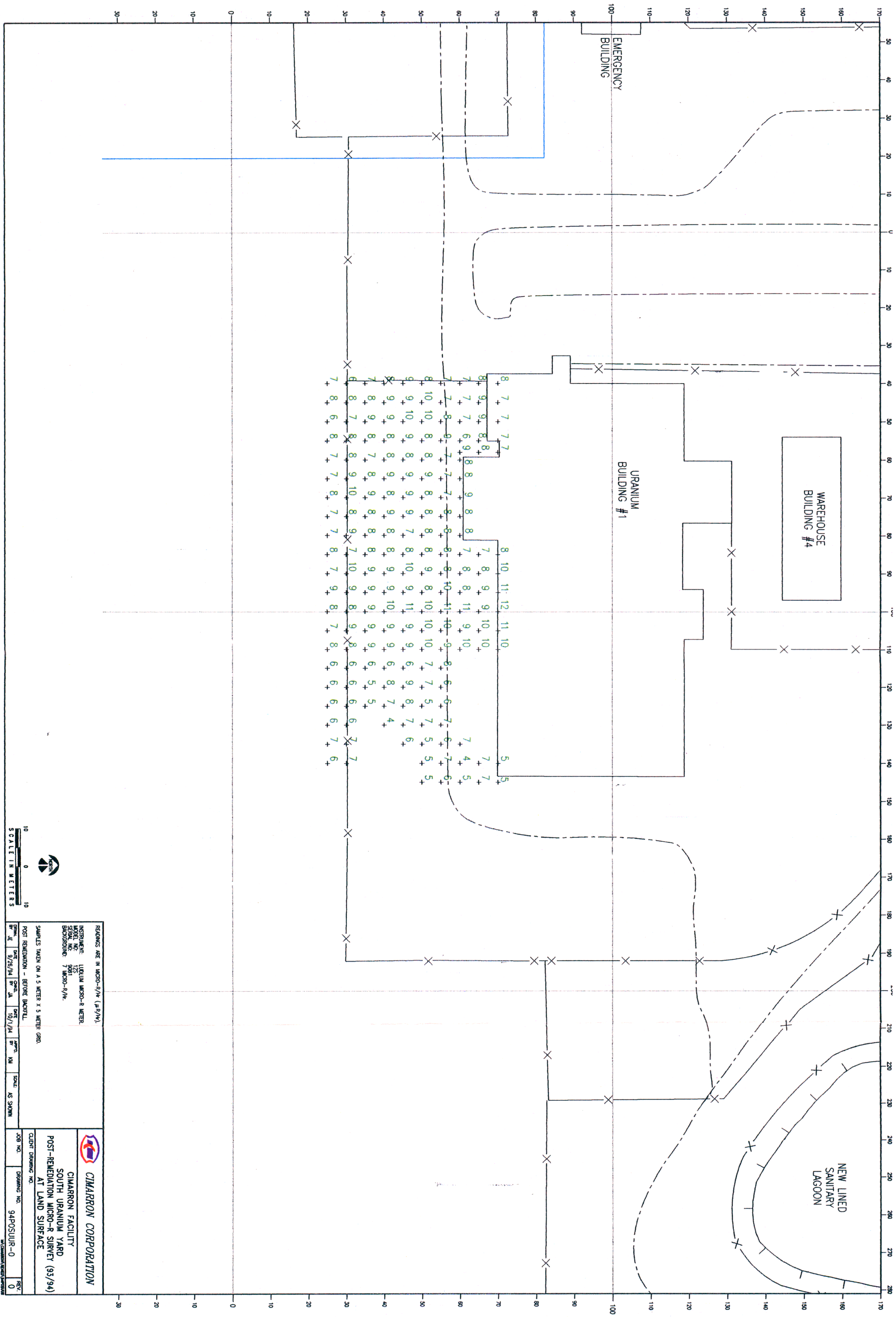


REMARKS ARE IN MICRO-R/HK (4.8/14)									
INSTRUMENT: LUDOLPH MICRO-R METER									
SERIAL NO. 9081									
BACKGROUND: 7.48/14									
DATE	9/29/94	DATE	10/1/94	DATE		DATE		DATE	
BY	JE	BY	JA	BY	RD	BY	RD	BY	RD
SCALE AS SHOWN									
CIMARRON CORPORATION									
CIMARRON FACILITY									
DESIGNATED AREA STOCKPILE/NORTH PILE									
CHARACTERIZATION MICRO-R SURVEY (1994)									
AT ONE METER ABOVE SURFACE									
CLIENT DRAWING NO.									
JOB NO.									
DRAWING NO.									
94PDR-1									
REV.									
0									





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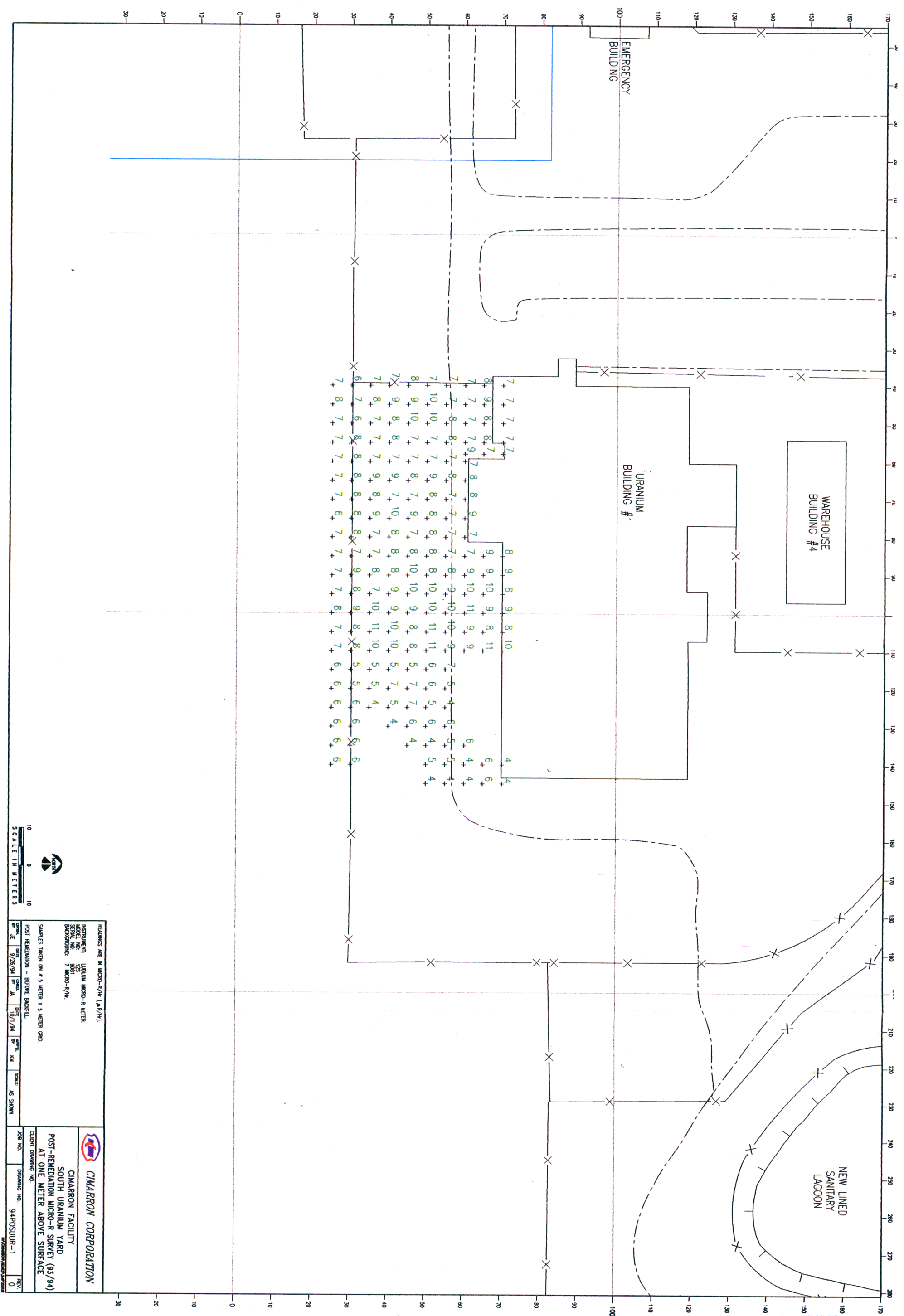


READINGS ARE IN MICRO-R/H (μR/H).
INSTRUMENT: LIQUID MICRO-R METER
MODEL NO: 125
SERIAL NO: 9081
BACKGROUND: 7 MICRO-R/H.

SAMPLES TAKEN ON A 5 METER X 5 METER GRID.

DATE	TIME	BY	DATE	TIME	BY	SCALE	AS SHOWN
9/26/94	08:00	JA	10/7/94	08:00	KM		

CIMARRON CORPORATION	
CLIENT DRAWING NO.	
JOB NO.	DRAWING NO.
94POSUR-0	94POSUR-0
REV. 0	
SOUTH URANIUM YARD POST-REMEDIATION MICRO-R SURVEY (93/94) AT LAND SURFACE	



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URANIUM
BUILDING #1

VAPORIZER
ROOM

2800 + 3790, 4030, 3280, 4030, 4660, 5200, 5400, 5180, 5220, 5290, 5080
3770, 4000, 3540, 3220, 3560, 3860, 4260, 4530, 4560, 4250, 5240 +
4520, 4110, 3590, 3640, 3910, 3600, 3280, 3650, 4430, 4760, 4460, 4280 +
4330, 4780, 3890, 4570, 3710, 4060, 3930, 4330, 3960, 3940, 4240, 5080 +
4250, 3980, 4560, 5090, 4820, 4900, 4350, 5220, 5100, 4320, 4610, 4420 +
5310, 3730, 4390, 4750, 4930, 4800, 2920, 4350, 4930, 5060, 5180, 5300 +

3
0
3
SCALE IN METERS



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

BACKGROUND: 3280 CPM, NOT SUBTRACTED.

READINGS TAKEN ON A 2 METER X 2 METER GRID.

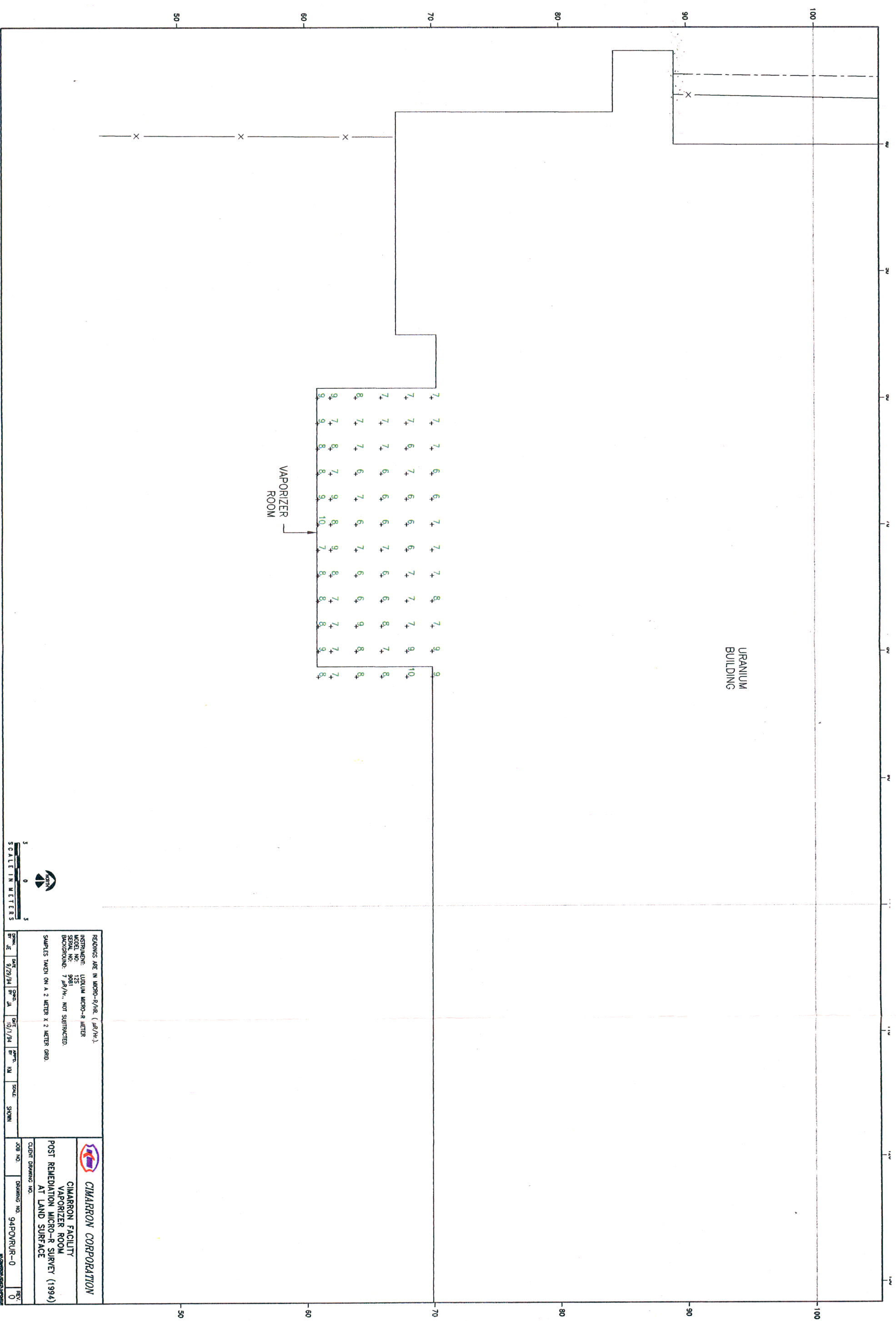
LEGEND
■ < 6500 CPM
■ >= 6500 CPM


CIMARRON CORPORATION
CIMARRON FACILITY
VAPORIZER ROOM
POST REMEDIATION GAMMA SURVEY (1994)
READINGS IN CPM (3" DET.) SURFACE

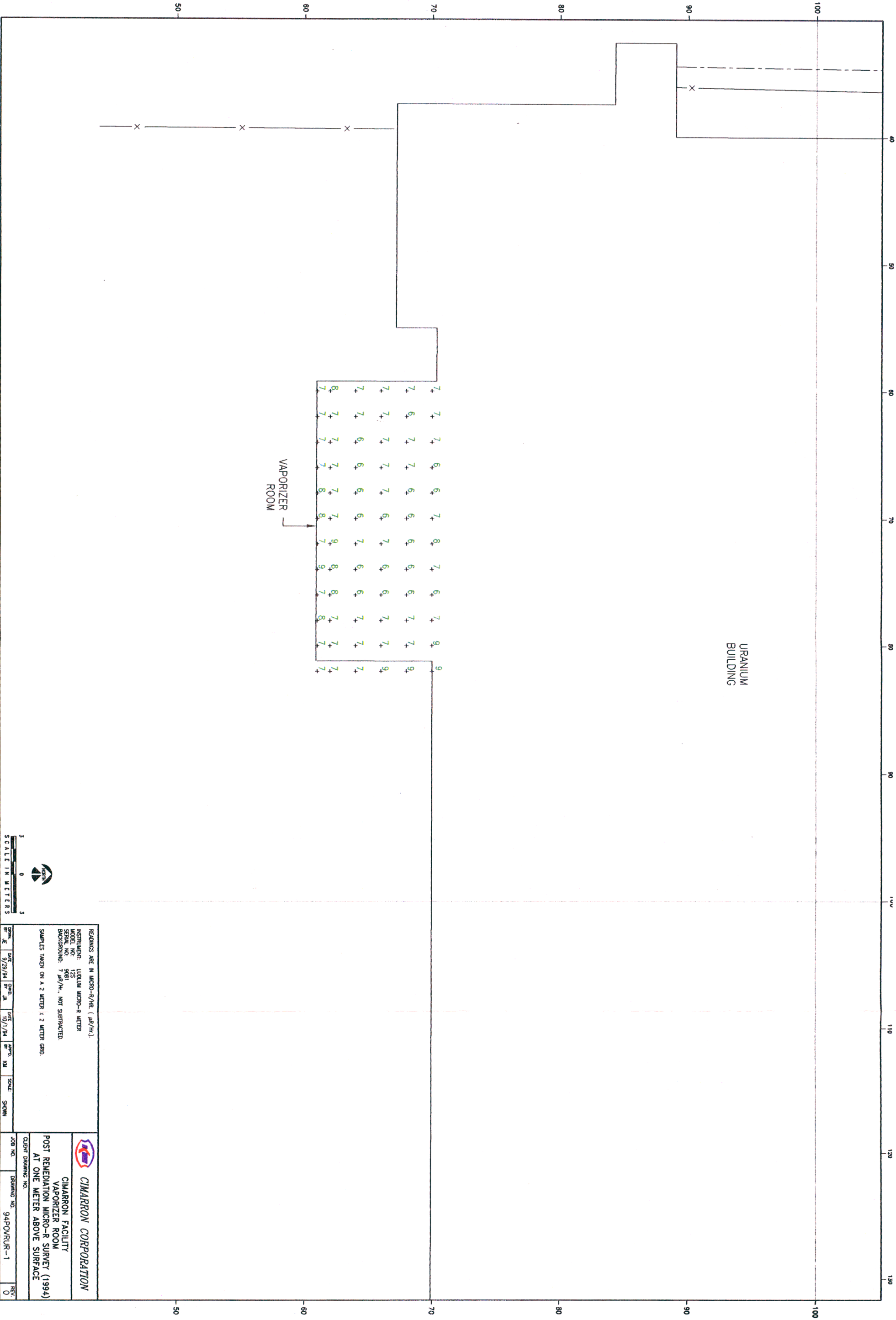
CLIENT DRAWING NO.

JOB NO. 94PVR30-0

REV. 0



READINGS ARE IN MICRO-R/RH. (μ R/Hr.). INSTRUMENT: LUDLAM MICRO-R METER MODEL NO: 125 SERIAL NO: 9081 BACKGROUND: 7 μ R/Hr., NOT SUBTRACTED. SAMPLES TAKEN ON A 2 METERS X 2 METERS GRID.					
DATE BY JC	DATE 8/29/94	DATE BY JA	DATE 10/1/94	DATE BY KM	SCALE SHOWN
<div><div></div><div>CIMARRON CORPORATION CIMARRON FACILITY VAPORIZER ROOM POST REMEDIATION MICRO-R SURVEY (1994) AT LAND SURFACE</div></div>					
CLIENT DRAWING NO.		JOB NO.			
DRAWING NO.		94DVRUR-0			
REV.		0			

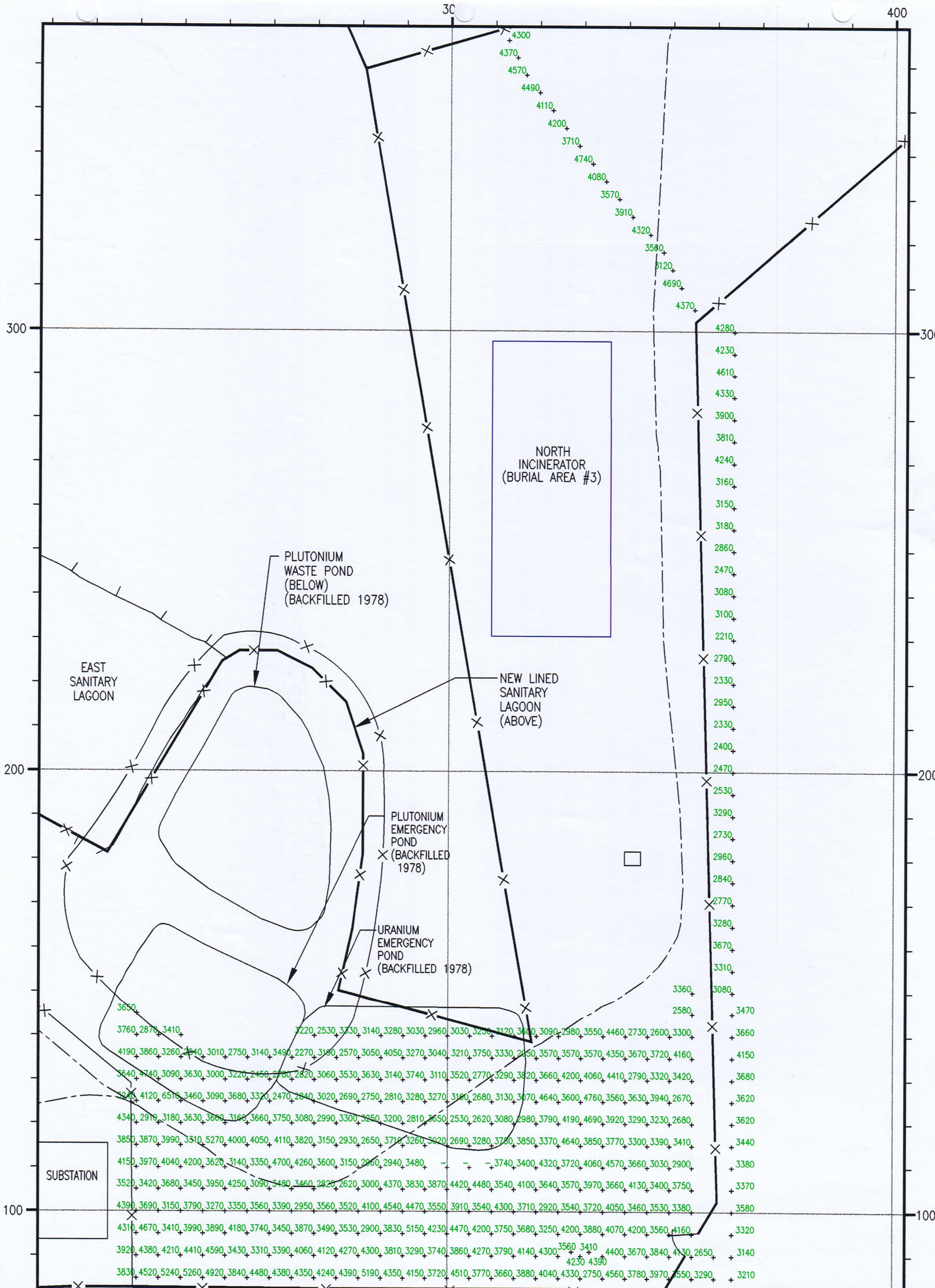


URANIUM BUILDING

VAPORIZER ROOM



REMARKS ARE IN MICRO-R/Hr. (µR/hr.)									
INSTRUMENT: LUDLUM MICRO-R METER									
MODEL NO: 1251									
SERIAL NO: 5281									
BACKGROUND: 7 µR/hr. NOT SUBTRACTED.									
SAMPLES TAKEN ON A 2 METER X 2 METER GRID.									
CIMARRON CORPORATION					CIMARRON FACILITY				
POST REMEDIATION MICRO-R SURVEY (1994)					VAPORIZER ROOM				
AT ONE METER ABOVE SURFACE					CLIENT DRAWING NO.				
JOB NO.					DRAWING NO.				
94POVRUR-1					94POVRUR-1				
REV.					REV.				
0					0				



INSTRUMENT: LUDLUM 2220, S/N 48395,
LEAD SHIELDED 3" X 1/2"
NaI DETECTOR.
BACKGROUND: 3570 CPM
READINGS TAKEN ON 5 METER X 5 METER GRID.

LEGEND

2340+ < 6999 CPM

7931+ 7000 - 8999 CPM

9293+ > 9000 CPM

+ NO SAMPLE TAKEN-
AREA COVERED
BY ROCK



CIMARRON CORPORATION

CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDIATION GAMMA SURVEY (1994)
READINGS IN CPM (3" DET.) SURFACE

CLIENT DRAWING NO.

JOB NO.

DRAWING NO.

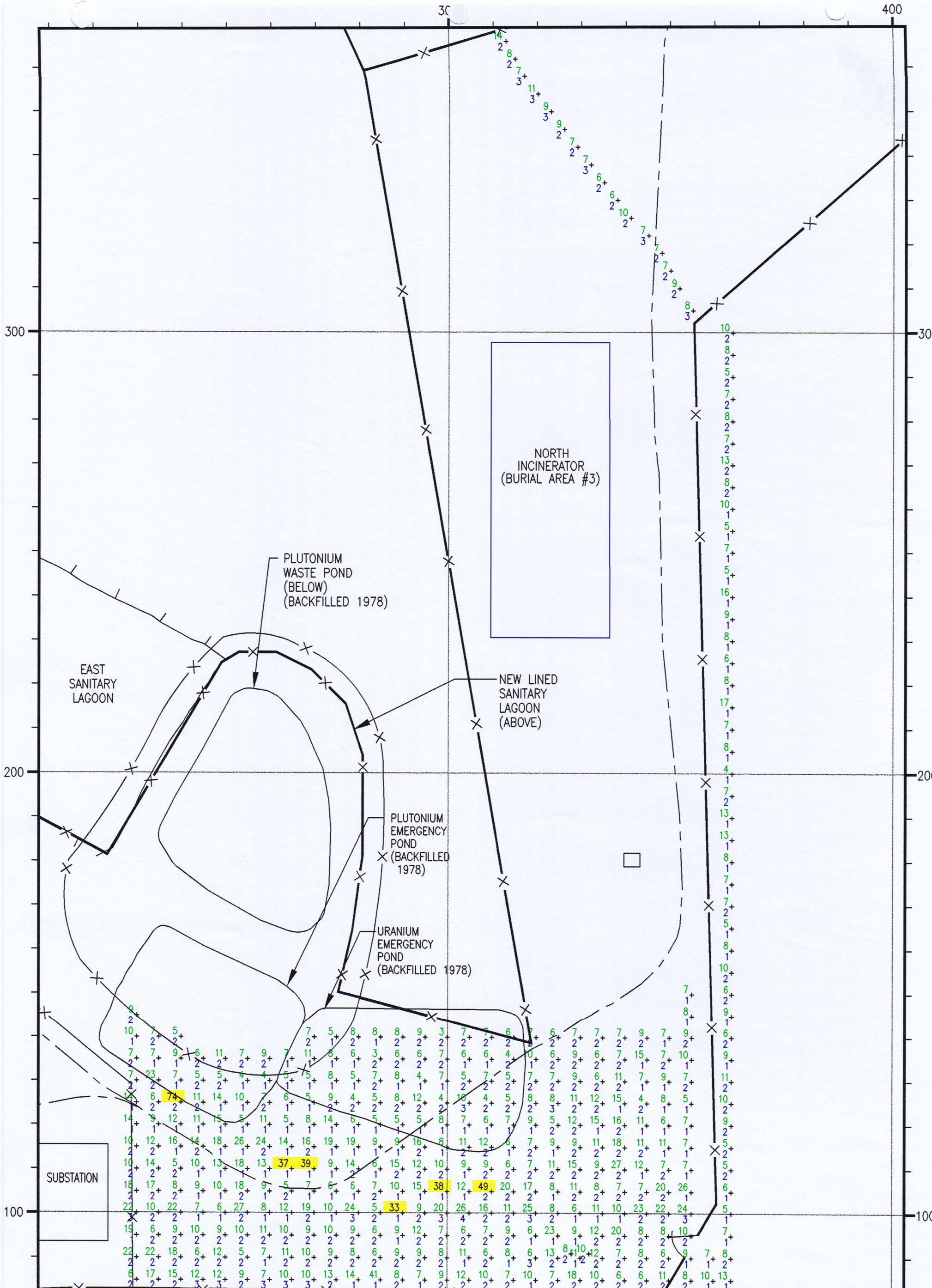
94PRES3D-0

REV.
0



20 0 20
SCALE IN METERS

DRWN. BY JE DATE 3/31/95 CHKD. BY KM DATE 4/1/95 APP'D. BY JK SCALE: AS SHOWN



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

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U
AND 1.5 pCi/g Th, NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

LEGEND

6 URANIUM
+ 1 - 29 pCi/g


58 URANIUM
+ 30 - 89 pCi/g

129 URANIUM
+ 90 pCi/g

2 THORIUM
+ 1 - 5 pCi/g

15 THORIUM
+ 6 - 15 pCi/g

-+ NO SAMPLE TAKEN -
HIT ROCK

**CIMARRON CORPORATION**

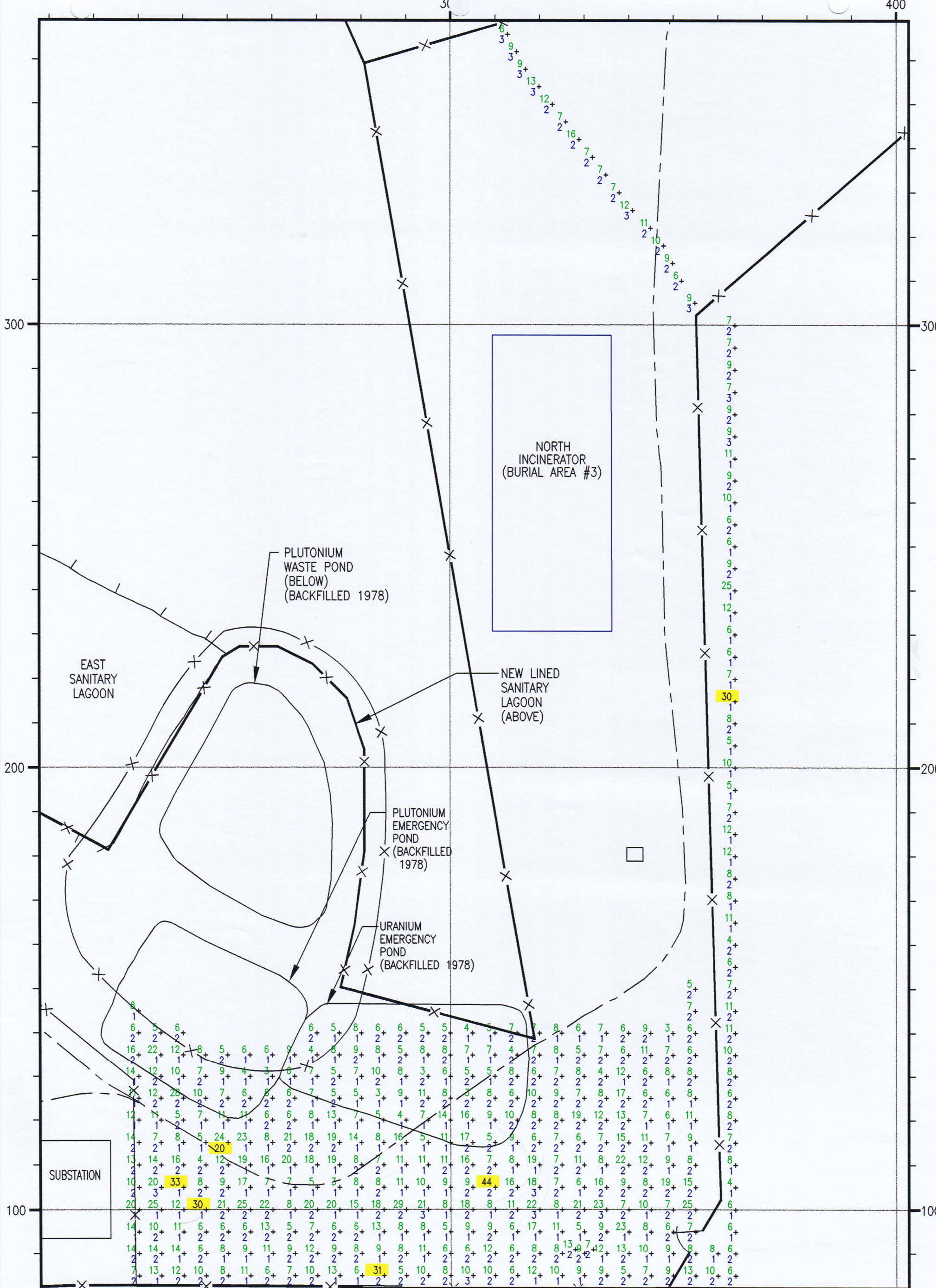
**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 0-6"**

CLIENT DRAWING NO.

JOB NO.


DRAWING NO. 94PRESS-0

REV. 0



SAMPLES ARE IN PICO-CURIES PER GRAM
URANIUM (pCi/g U) AND THORIUM (pCi/g T).
CIMARRON GAMMA SPEC SOIL COUNTER.
SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U
AND 1.5 pCi/g Th, NOT SUBTRACTED.
SAMPLES TAKEN ON 5 METER X 5 METER GRID.

LEGEND
6 URANIUM
+ 1 - 29 pCi/g
58 URANIUM
+ 30 - 89 pCi/g
129 URANIUM
+ 90 pCi/g
2 THORIUM
15 THORIUM
+ 5 pCi/g
- NO SAMPLE TAKEN -
HIT ROCK

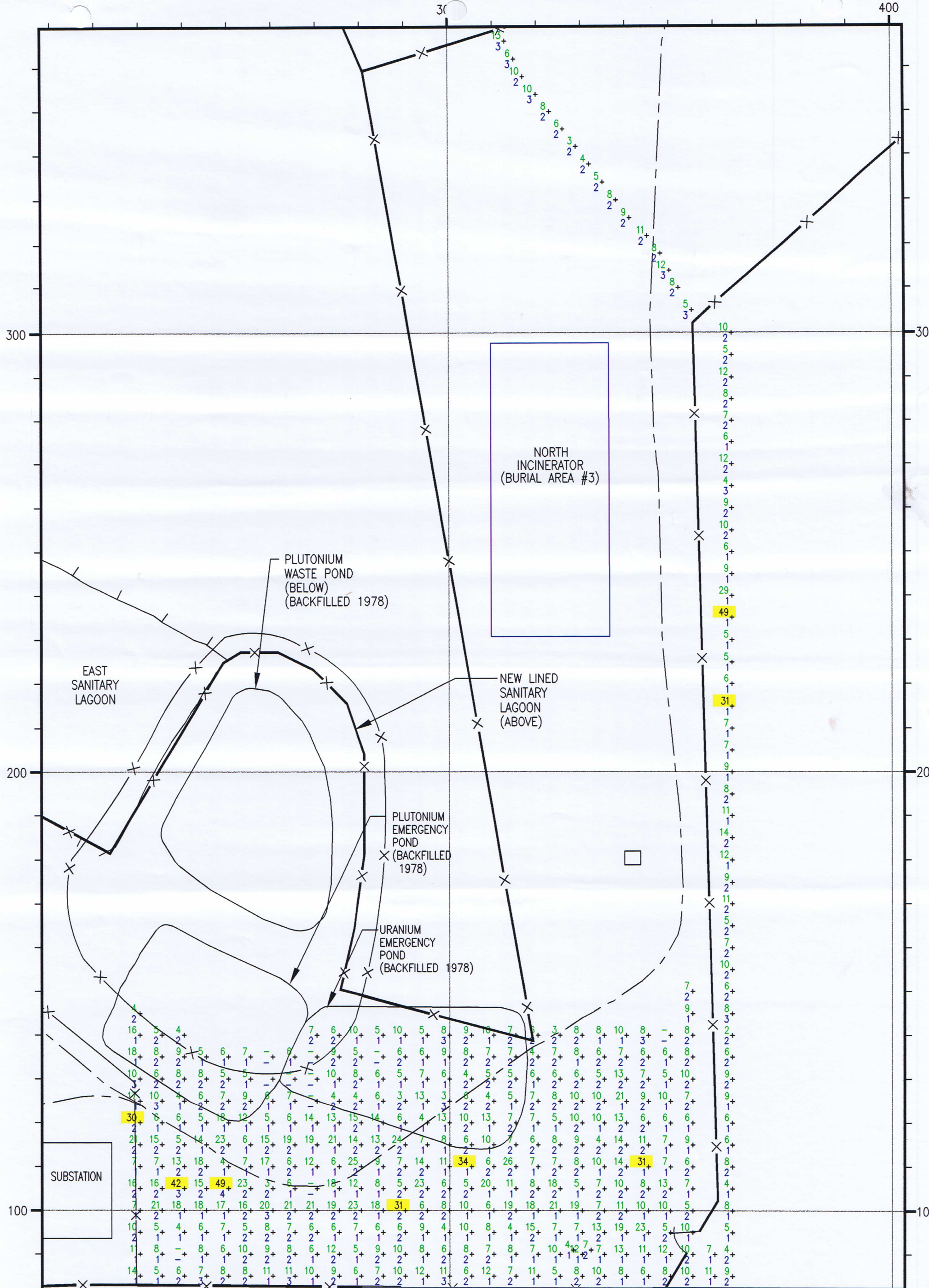
**CIMARRON CORPORATION**

**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 6"-1"**

CLIENT DRAWING NO.


JOB NO. DRAWING NO. REV.

94PRESS-1 0



SAMPLES ARE IN PICO-CURIES PER GRAM
URANIUM (pCi/g U) AND THORIUM (pCi/g T).
CIMARRON GAMMA SPEC SOIL COUNTER.
SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U
AND 1.5 pCi/g Th, NOT SUBTRACTED.
SAMPLES TAKEN ON 5 METER X 5 METER GRID.

LEGEND
6+ URANIUM
1 - 29 pCi/g
58+ URANIUM
30 - 89 pCi/g
129+ URANIUM
> 90 pCi/g
2+ THORIUM
15+ THORIUM
> 5 pCi/g
-+ NO SAMPLE TAKEN -
HIT ROCK

**CIMARRON CORPORATION**

**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 1'-2'**

CLIENT DRAWING NO.

JOB NO.

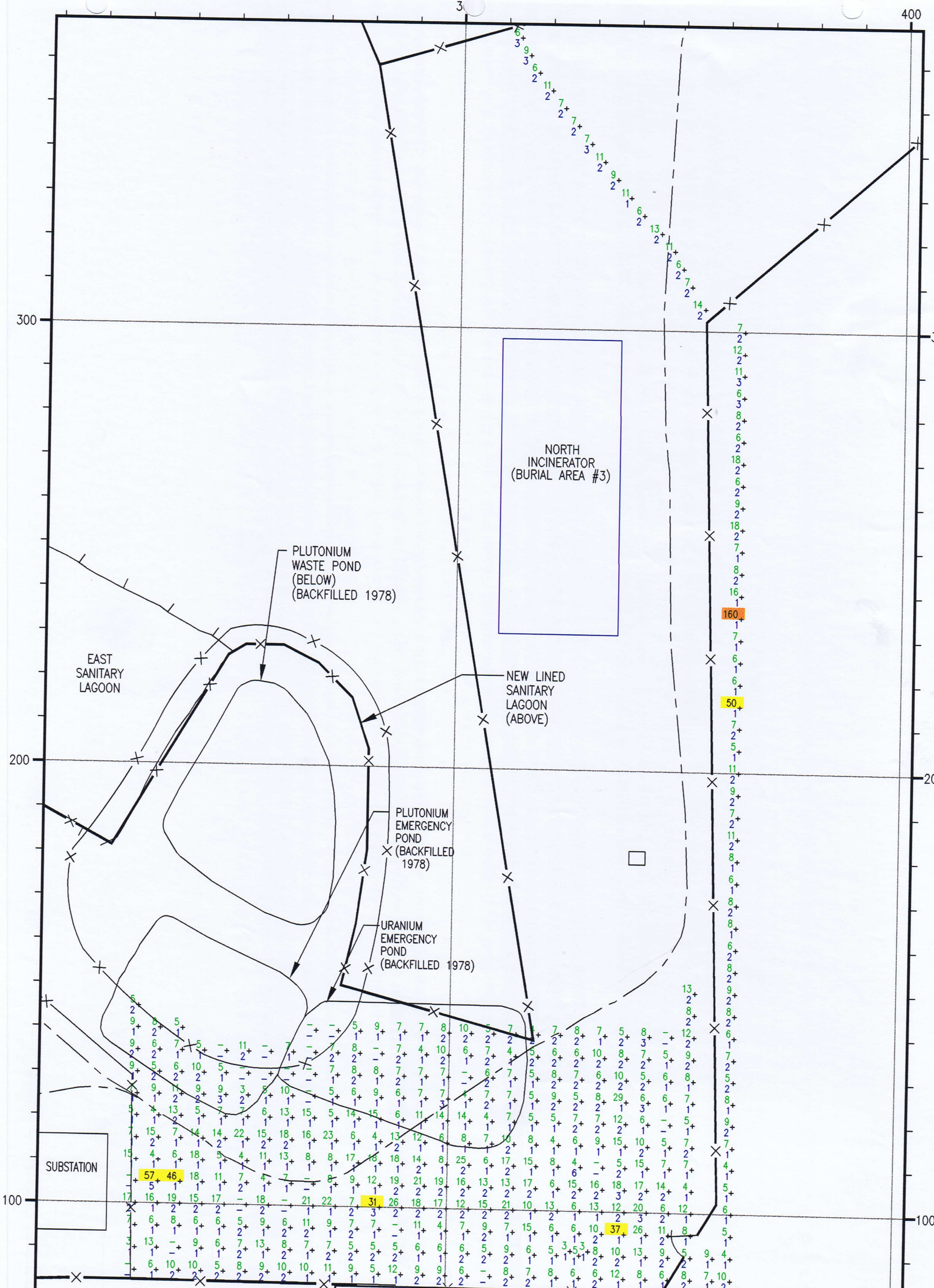
DRAWING NO. 94PRESS-2

REV. 0



20 0 20
SCALE IN METERS

DRWN. BY JE	DATE 4/5/95	CHKD. BY KM	DATE 4/6/95	APP'D. BY JK	SCALE: AS SHOWN
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SAMPLES ARE IN PICO-CURIES PER GRAM
URANIUM (pCi/g U) AND THORIUM (pCi/g T).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U
AND 1.5 pCi/g Th, NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

LEGEND

6 URANIUM
1 - 29 pCi/g

58 URANIUM
30 - 89 pCi/g

129 URANIUM
> 90 pCi/g

2 THORIUM

15 THORIUM
> 5 pCi/g

-+ NO SAMPLE TAKEN -
HIT ROCK

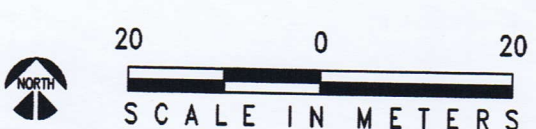
CIMARRON CORPORATION

**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 2'-3'**

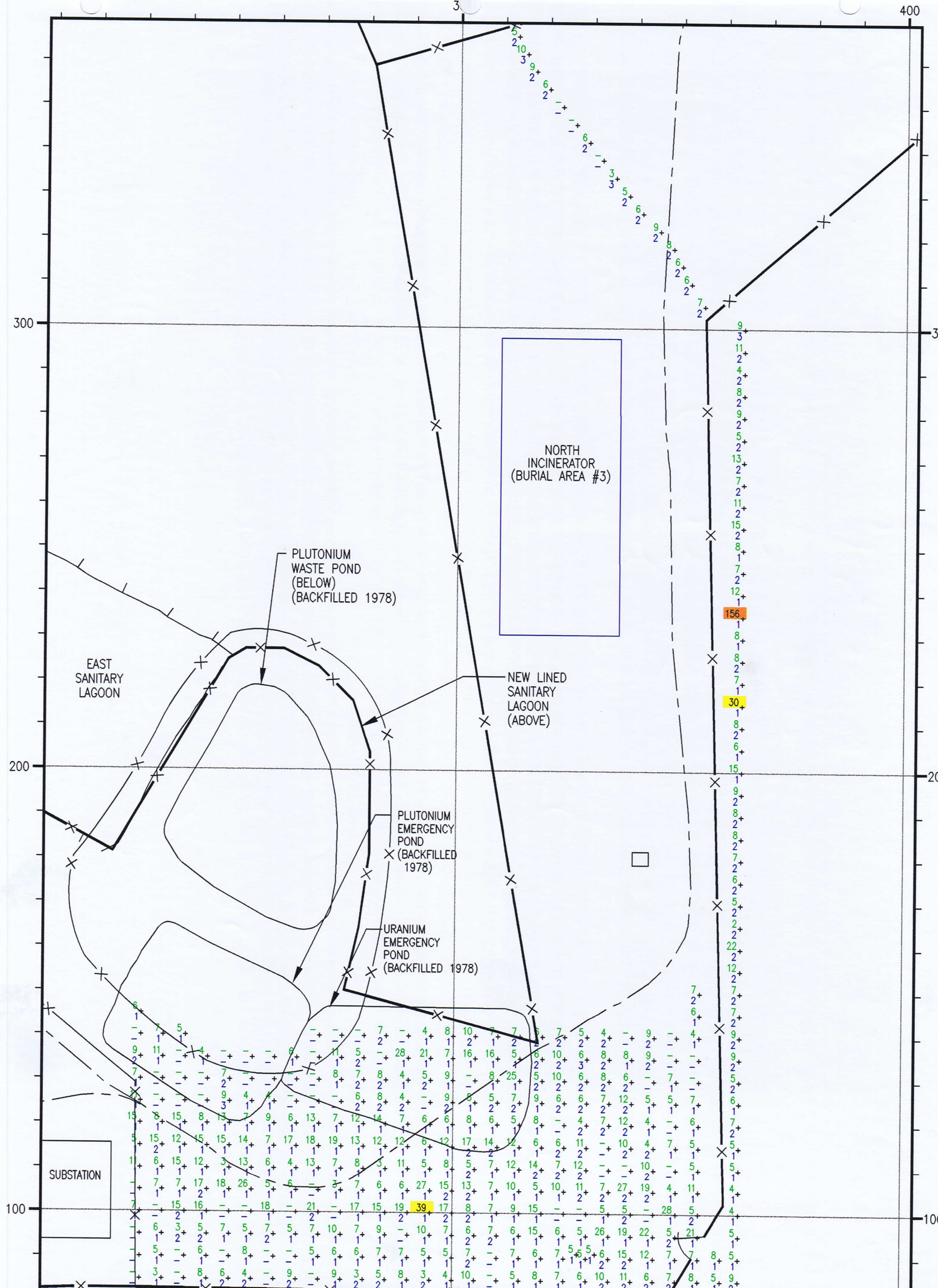
CLIENT DRAWING NO.

JOB NO. DRAWING NO. REV.

94PRESS-3 0



DRWN. BY JE	DATE 4/5/95	CHKD. BY KM	DATE 4/6/95	APP'D. BY JK	SCALE: AS SHOWN
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SAMPLES ARE IN PICO-CURIES PER GRAM
URANIUM (pCi/g U) AND THORIUM (pCi/g T).

CIMARRON GAMMA SPEC SOIL COUNTER.

SITE SOIL BACKGROUND OF APPROX. 6 pCi/g U
AND 1.5 pCi/g Th, NOT SUBTRACTED.

SAMPLES TAKEN ON 5 METER X 5 METER GRID.

DRWN. BY JE DATE 4/5/95 CHKD. BY KM DATE 4/6/95 APP'D. BY JK SCALE: AS SHOWN

LEGEND

6+ URANIUM 1 - 29 pCi/g


58+ URANIUM 30 - 89 pCi/g

129+ URANIUM > 90 pCi/g

2+ THORIUM > 5 pCi/g

15+ THORIUM > 5 pCi/g

-+ NO SAMPLE TAKEN - HIT ROCK

**CIMARRON CORPORATION**

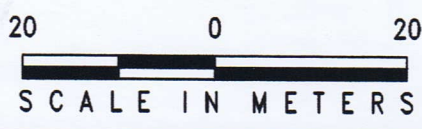
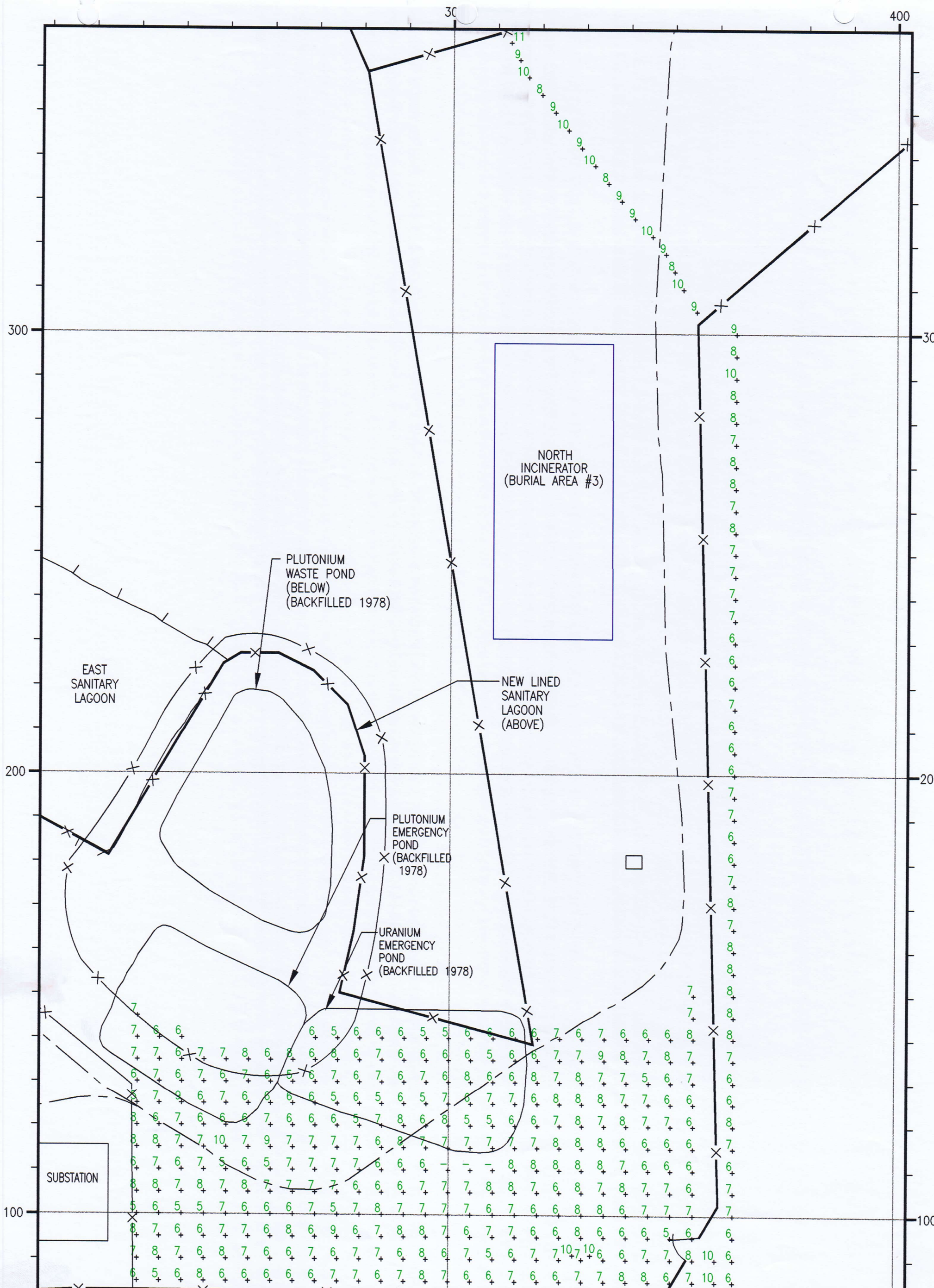
**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 3'-4'**

CLIENT DRAWING NO.

JOB NO.

DRAWING NO. 94PRESS-4

REV. 0




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

INSTRUMENT: LUDLUM MICRO-R METER
SERIAL NO: 9081
BACKGROUND: 7 $\mu\text{R}/\text{Hr}$.

READINGS TAKEN ON 5 METER X 5 METER GRID.

LEGEND

+ NO SAMPLE TAKEN-
AREA COVERED
BY ROCK

**CIMARRON CORPORATION**

**CIMARRON FACILITY
EAST OF SUBSTATION AREA
PRE-REMEDATION MICRO-R SURVEY (1994)
AT LAND SURFACE**

CLIENT DRAWING NO.

JOB NO.

DRAWING NO.
94PRESUR-0

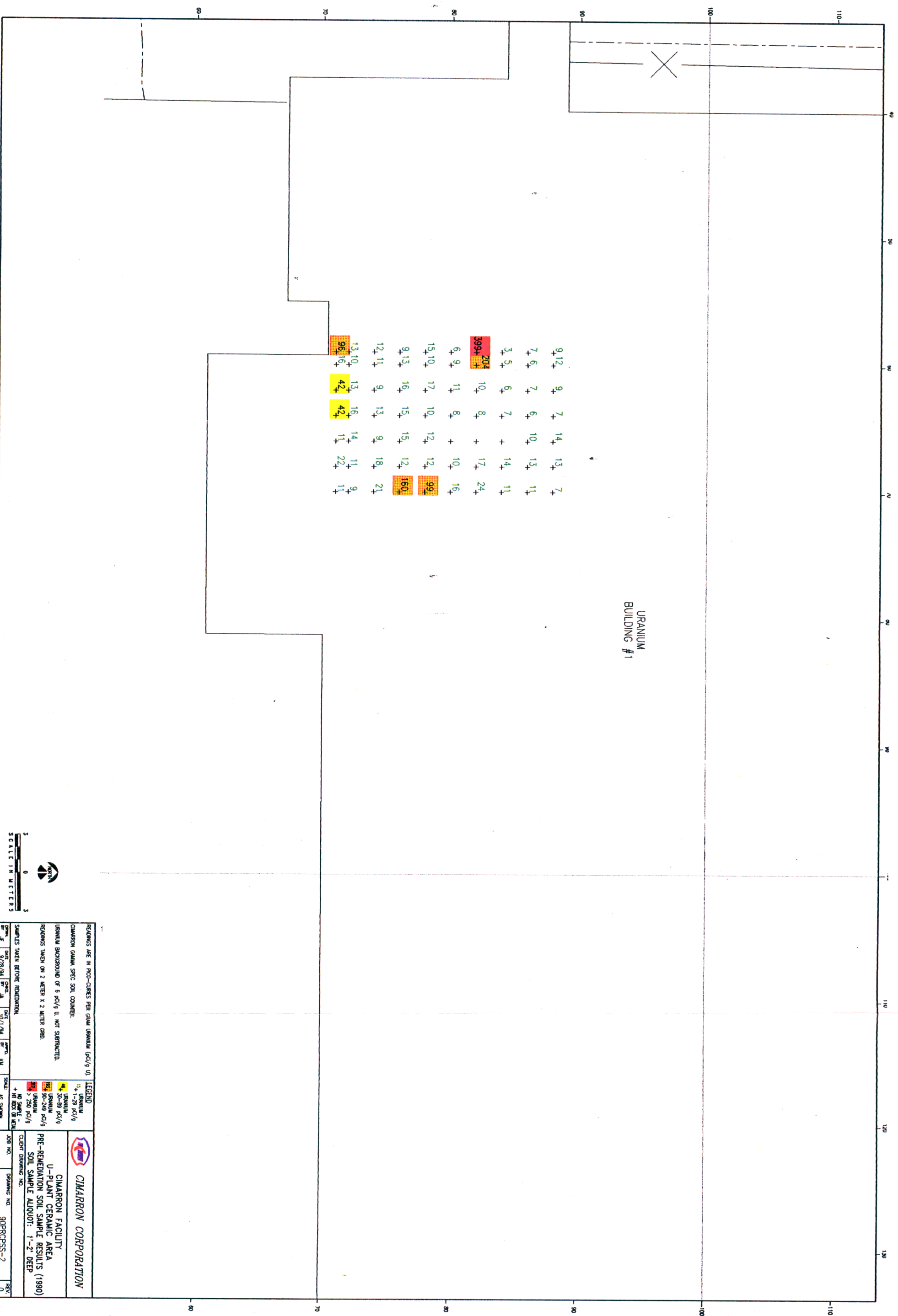
REV.
0

URANIUM
BUILDING #1

7+ 9+ 6+ 8+ 12+ 10+ 7+
8+ 10+ 9+ 8+ 12+ 12+ 17+
5+ 8+ 7+ 9+ + 12+ 13+
2436+ + 1097+ 10+ 8+ + 17+ 24+
11+ 161+ 15+ 9+ + 14+ 20+
10+ 16+ 13+ 11+ 9+ 11+ 124+
10+ 11+ 14+ 13+ 12+ 14+ 197+
11+ 8+ 14+ 12+ 15+ 15+ 19+
19+ 10+ 14+ 17+ 13+ 14+ 11+
36+ 17+ 104+ 116+ 13+ 26+ 10+

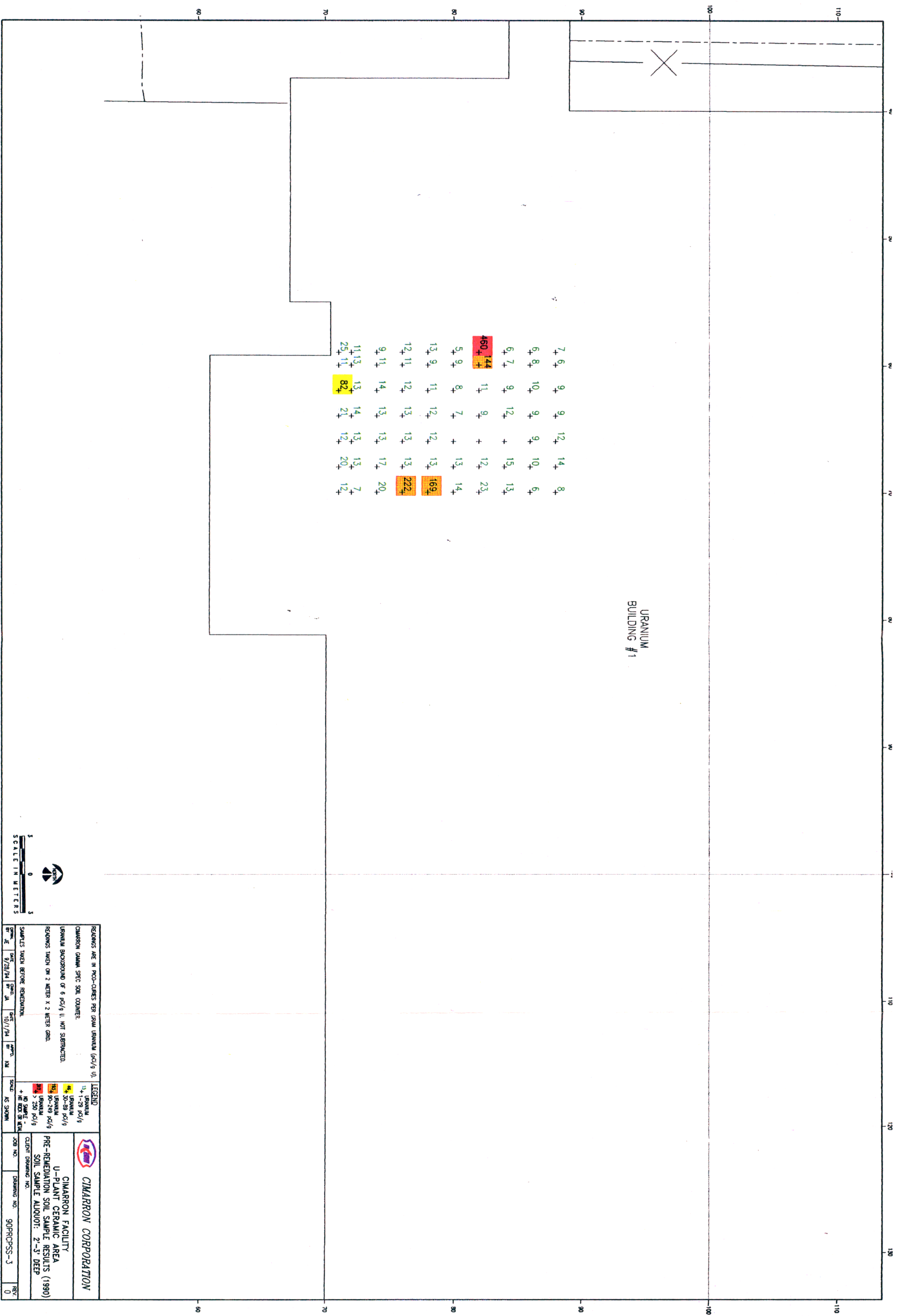


READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).										LEGEND	
CIMARRON GAMMA SPEC SOIL COUNTER.											
URANIUM BACKGROUND OF 6 pCi/g U, NOT SUBTRACTED.										U ₁ - 75 pCi/g	
READINGS TAKEN ON 2 METER X 2 METER GRID.										U ₂ - 30-85 pCi/g	
										U ₃ - 100-25 pCi/g	
										U ₄ - 50-25 pCi/g	
										U ₅ - 250 pCi/g	
										U ₆ - 500 pCi/g	
										U ₇ - 1000 pCi/g	
SAMPLES TAKEN BEFORE REMEDIATION.											
JOB NO.										DRAWING NO.	
90PRC85-1										REV.	
CIMARRON FACILITY										0	
U-PLANT CERAMIC AREA											
PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)											
SOIL SAMPLE ALLOUT: 0-1' DEEP											
CLIENT DRAWING NO.											



URANIUM
BUILDING #1

RECORDS ARE IN PRO-CORES PER GRAM URBANUM (Gc/g) U/									
CHARRON GAMMA SPEC. SOIL COUNTER:									
URBANUM BACKGROUND OF 5 P/G/G U. NOT SATURATED.									
RECORDS TAKEN ON 2 METERS X 2 METERS GRID.									
SAMPLES TAKEN BEFORE REMEDIATION.									
DATE	TIME	CORE	DATE	TIME	DEPTH	SOIL	TESTED		
7/28/94	11:30 AM	101/24				SOIL	URBANUM	15	1-28 P/G/G
							URBANUM	45	35-28 P/G/G
							URBANUM	75	90-28 P/G/G
							URBANUM	115	> 150 P/G/G
NO SAMPLE TAKEN AT 110 CM DEPTH + 110 CM DEPTH									
CLIENT DRAWING NO.									
JOB NO.									
DRAWING NO.									
90PRCFS-2									
REV.									
0									



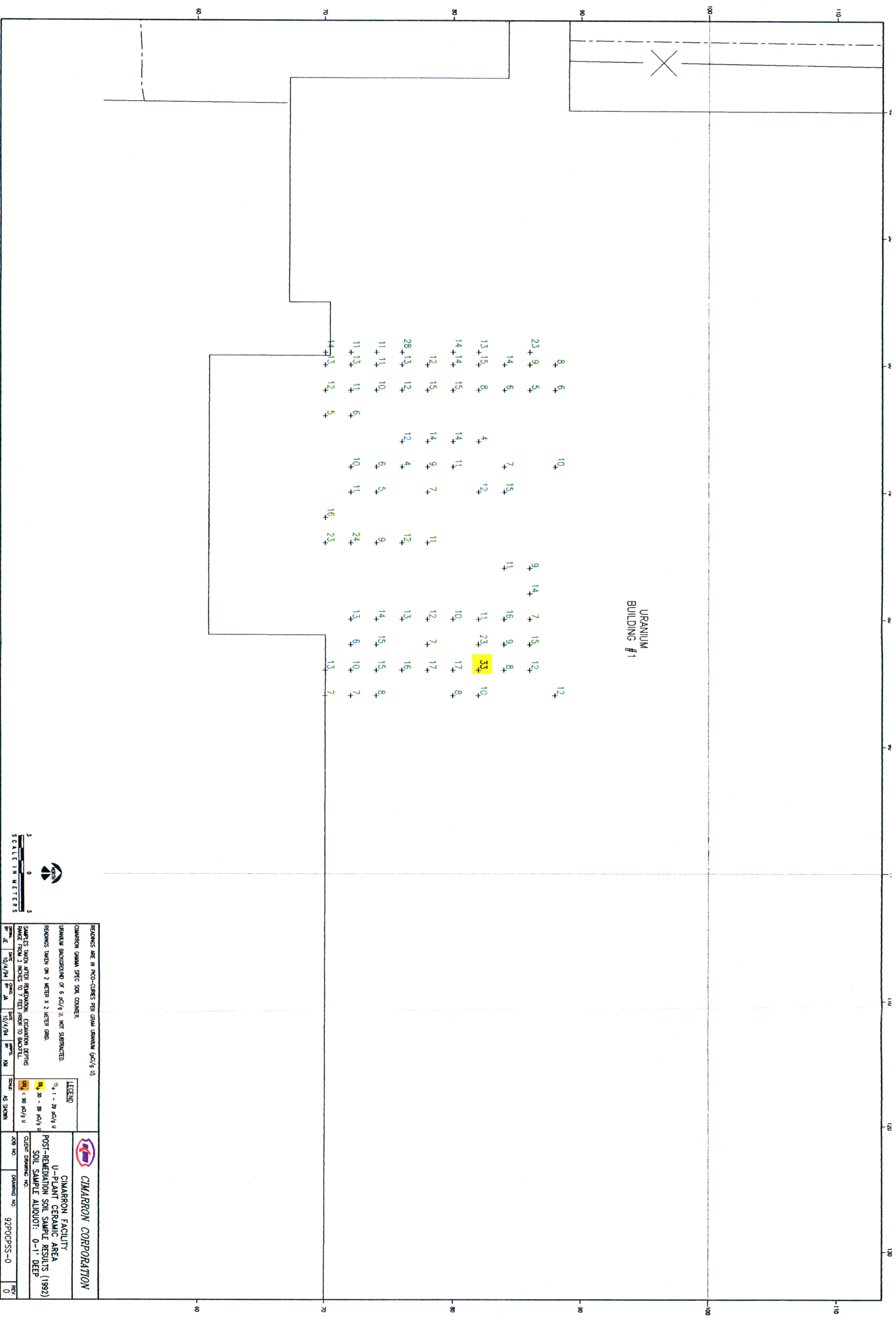
URANIUM
BUILDING #1

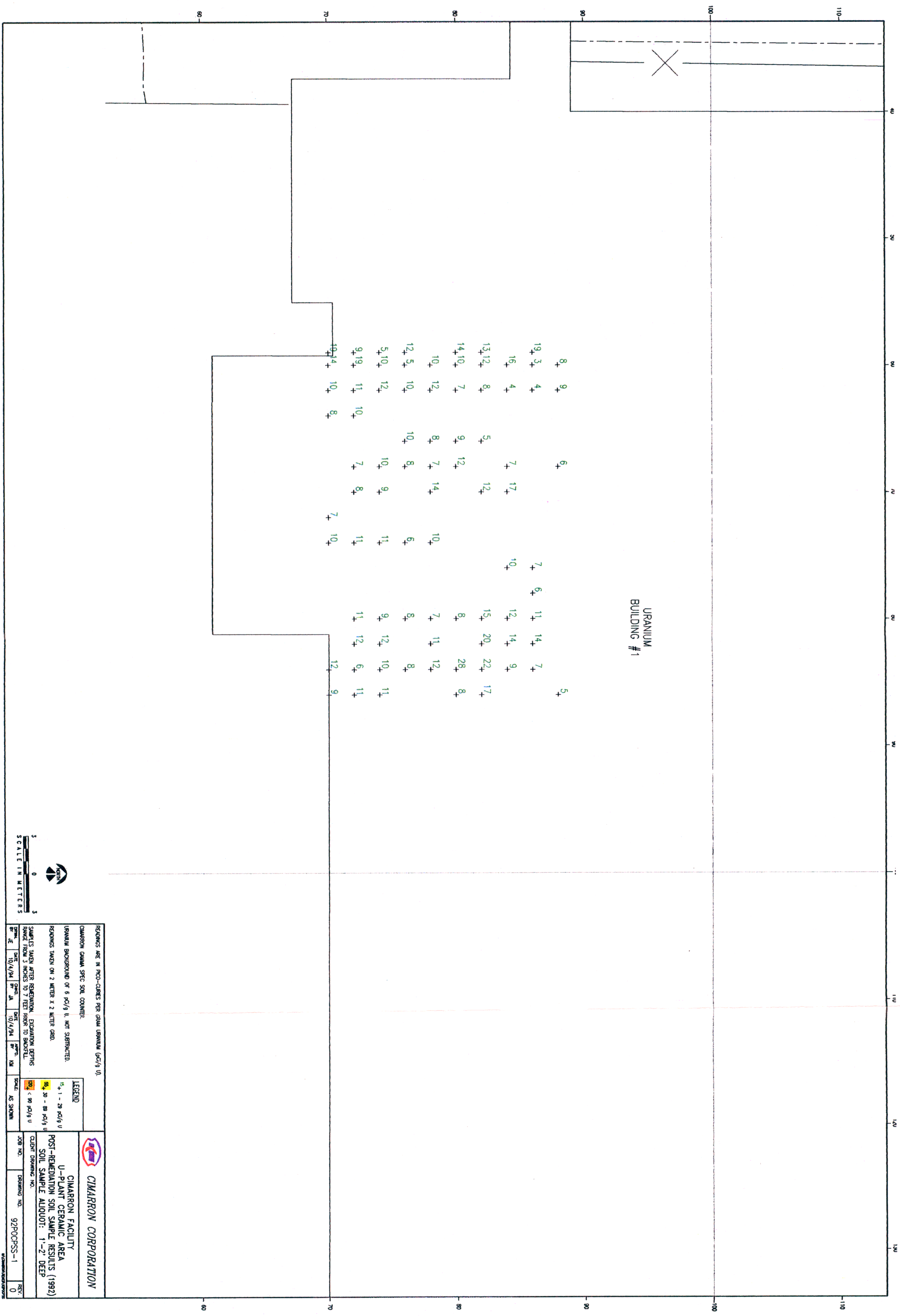
4 8 4 8 12 13 5
11 8 9 7 13 10 9
47 17 6 9 15 9
518 258 6 9 14 27
6 7 7 9 10 16
8 9 12 4 11 15 154
9 9 13 14 11 11 257
8 7 11 11 12 13 16
13 7 13 14 10 9 6
30 12 23 33 16 15 6

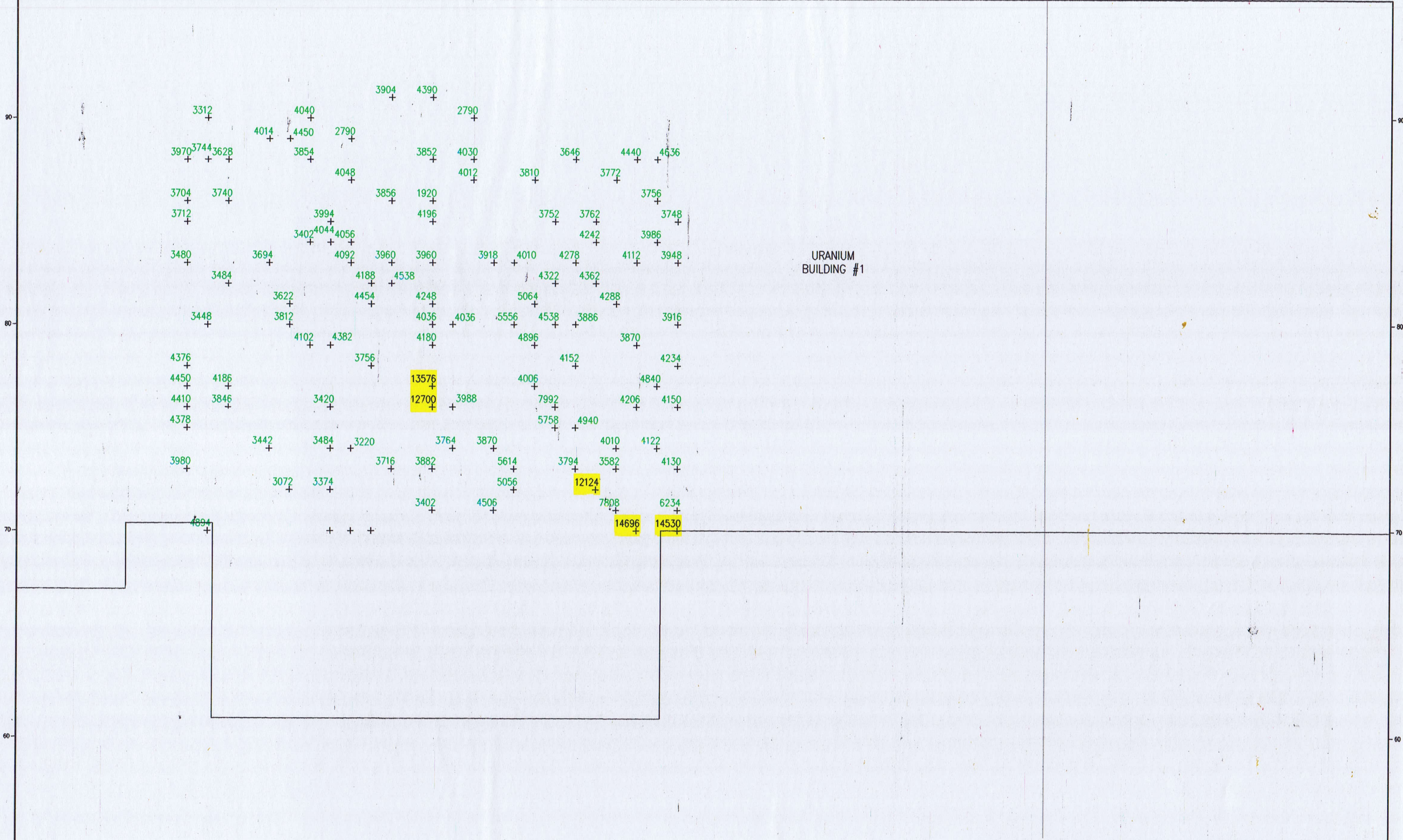


3
0
3
SCALE IN METERS


REDOINGS ARE IN PRO-COUNTS PER GRAM URANIUM (pc/g U).						LEGEND		CINARRON CORPORATION	
CINARRON GAMMA SPEC SOIL COUNTER.						URANIUM	URANIUM	U-PLANT CERAMIC AREA	
URANIUM BACKGROUND OF 6 pc/g U. NOT SUBTRACTED.						1-28 pc/g	30-88 pc/g	PRE-REMEDIATION SOIL SAMPLE RESULTS (1990)	
REDOINGS TAKEN ON 2 METER X 2 METER GRID.						90-249 pc/g	250 pc/g	SOIL SAMPLE ALIQUOT: 3"-4" DEEP	
SAMPLES TAKEN BEFORE REMEDIATION.						NO SAMPLE -	NO SAMPLE -	CLIENT DRAWING NO.	
DATE: 8/28/94						NO SAMPLE -	NO SAMPLE -	JOB NO.	
DATE: 10/1/94						NO SAMPLE -	NO SAMPLE -	DRAWING NO.	
DATE: 10/1/94						NO SAMPLE -	NO SAMPLE -	90PRCPS-4	
DATE: 10/1/94						NO SAMPLE -	NO SAMPLE -	REV.	
DATE: 10/1/94						NO SAMPLE -	NO SAMPLE -	0	

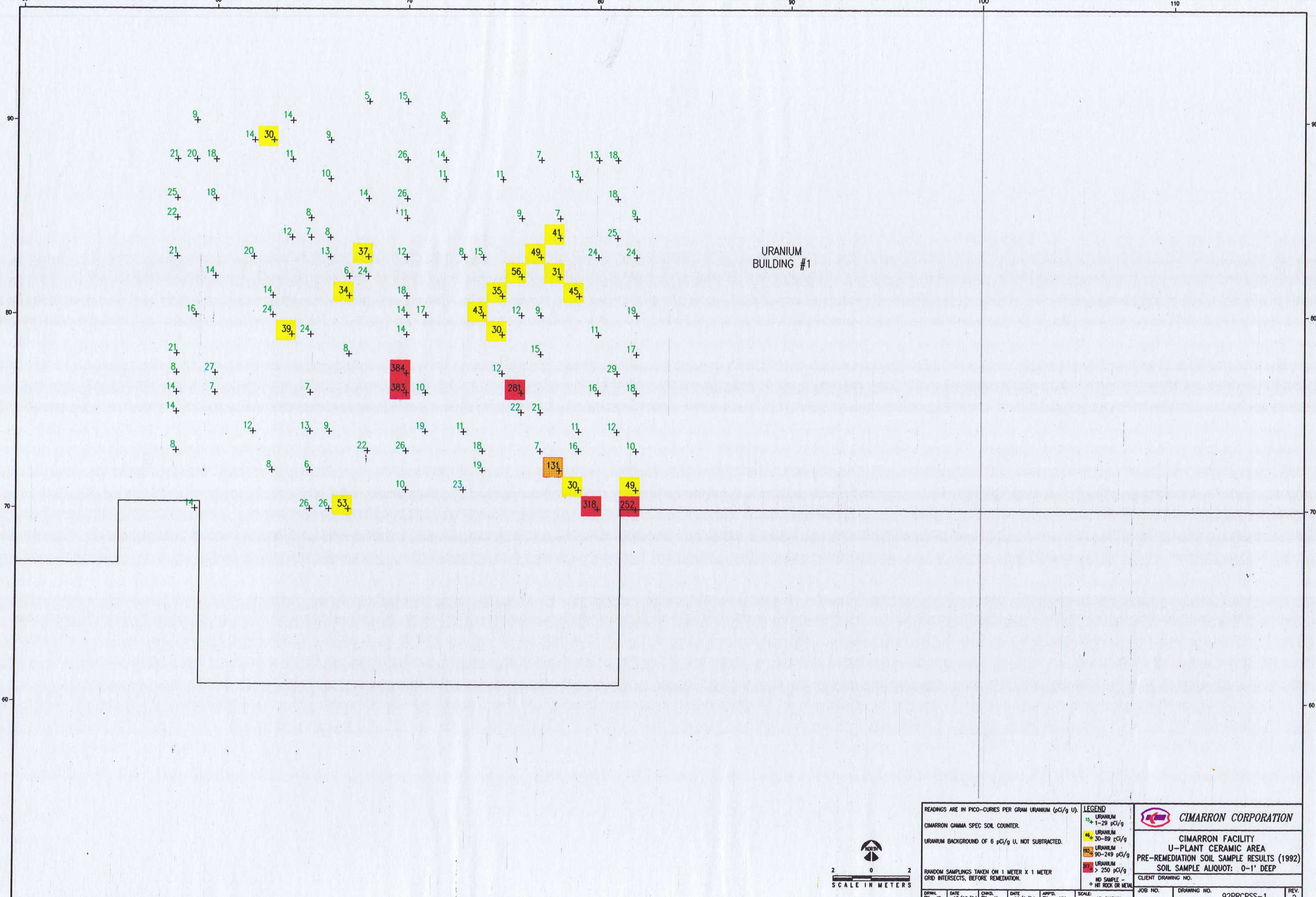




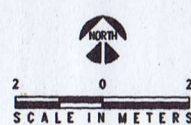


URANIUM
BUILDING #1

INSTRUMENT: LUDLUM 2220 S/N 48395. LEAD-SHIELDED 3" X 1 1/2" NaI DETECTOR. CIMARRON GAMMA SPEC SOIL COUNTER.				 CIMARRON CORPORATION				
URANIUM BACKGROUND OF 6 pCi/g U. NOT SUBTRACTED.				CIMARRON FACILITY U-PLANT CERAMIC AREA PRE-REMEDIATION GAMMA SURVEY (1992) READINGS IN CPM (3' DET.)				
RANDOM READINGS TAKEN ON 1 METER X 1 METER GRID INTERSECTS. BEFORE REMEDIATION.				CLIENT DRAWING NO.				
DATE	BY	DATE	BY	DATE	BY	JOB NO.	DRAWING NO.	REV.
10/10/94	JE	11/1/94	JA	11/1/94	KM		92PRCP3D-0	?
SCALE: AS SHOWN								



URANIUM
BUILDING #1



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

CIMARRON GAMMA SPEC SOIL COUNTER.

URANIUM BACKGROUND OF 6 pCi/g U. NOT SUBTRACTED.

RANDOM SAMPLINGS TAKEN ON 1 METER X 1 METER GRID INTERSECTS, BEFORE REMEDIATION.

LEGEND

15+ URANIUM
1-29 pCi/g

46+ URANIUM
30-89 pCi/g

183+ URANIUM
90-249 pCi/g

217+ URANIUM
> 250 pCi/g

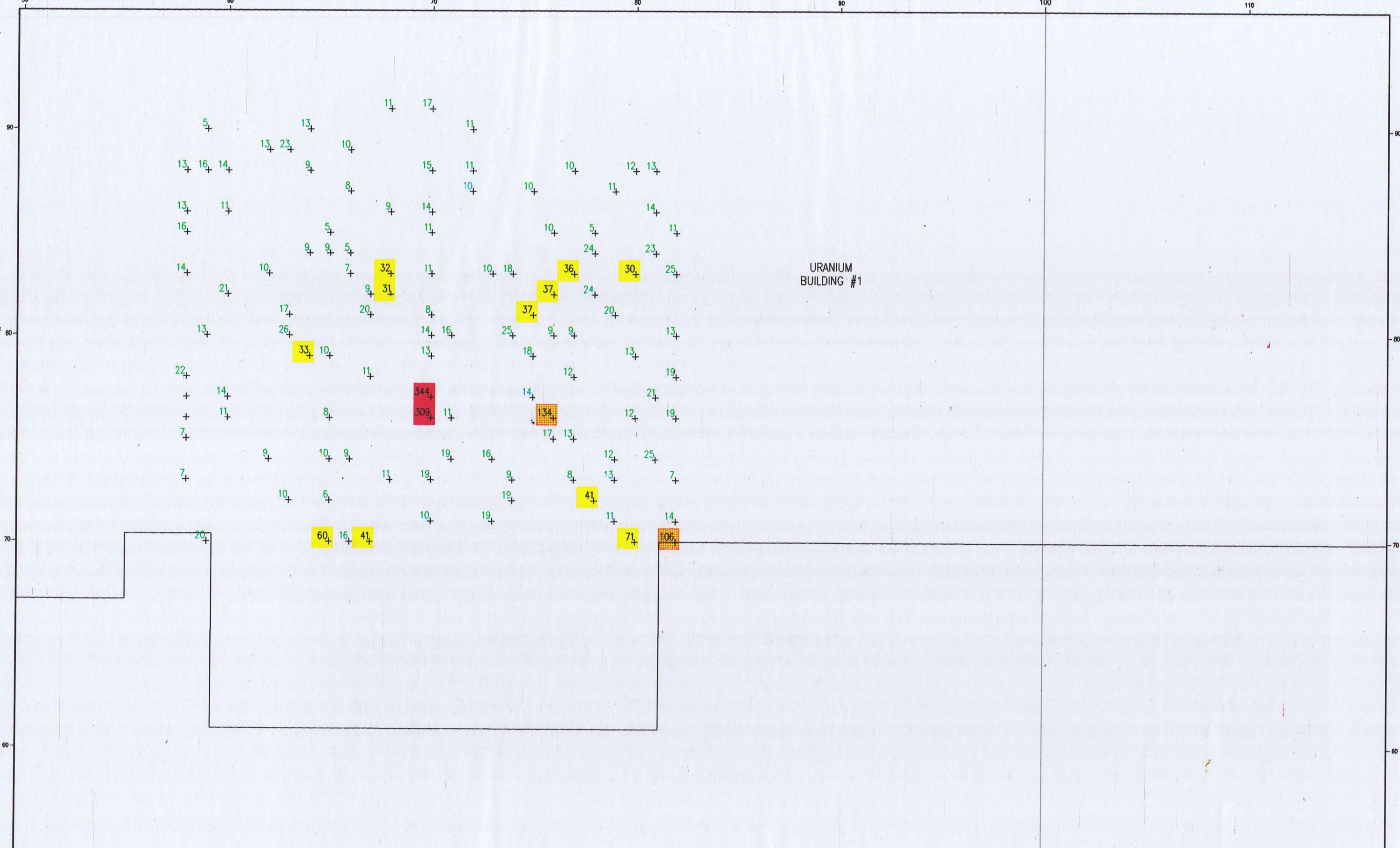
NO SAMPLE -
+ HIT ROCK OR METAL

CIMARRON CORPORATION

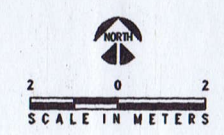
**CIMARRON FACILITY
U-PLANT CERAMIC AREA
PRE-REMEDIATION SOIL SAMPLE RESULTS (1992)
SOIL SAMPLE ALIQUOT: 0-1' DEEP**


CLIENT DRAWING NO.

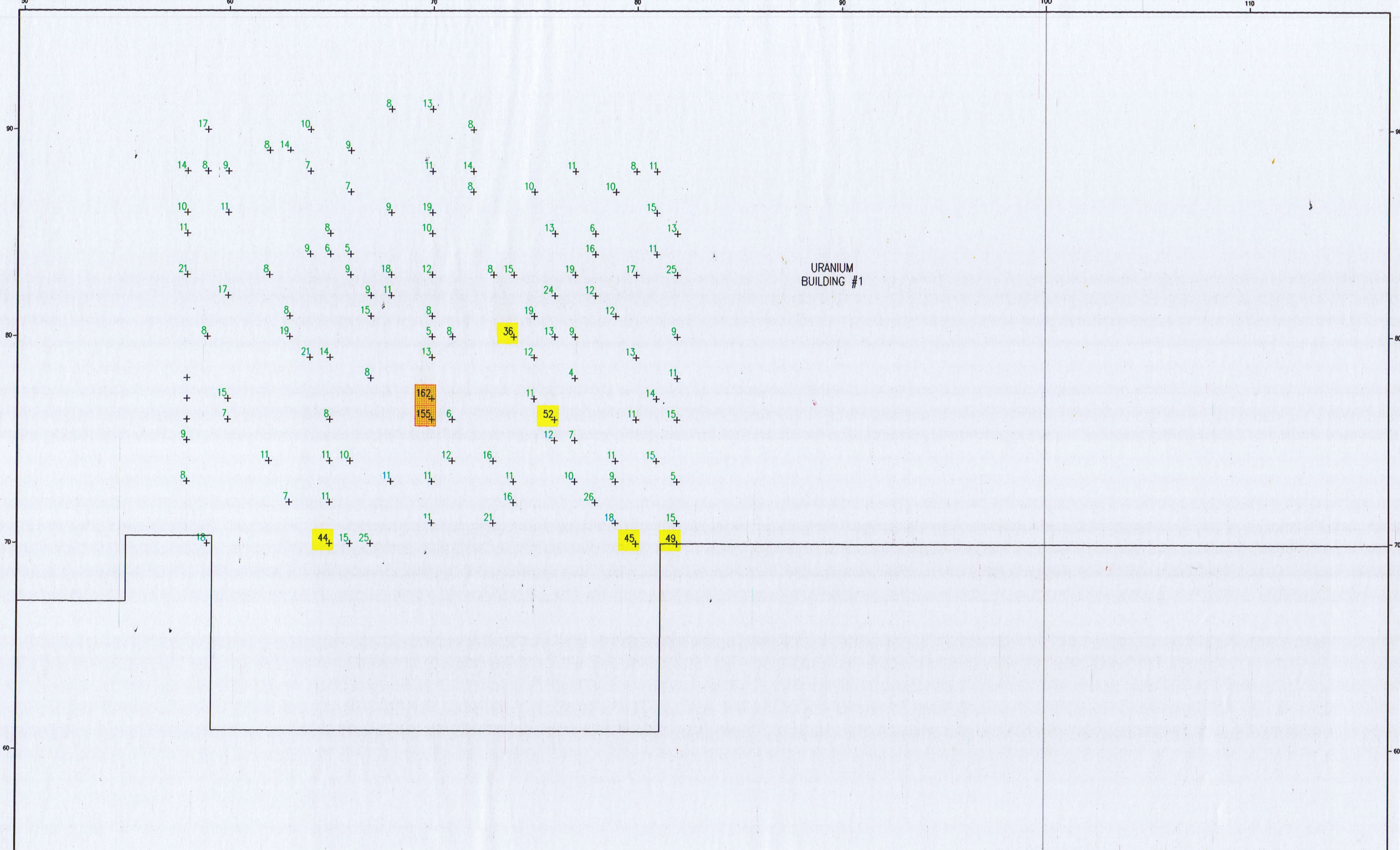
JOB NO.	DRAWING NO.	REV.
	92PRCPSS-1	?



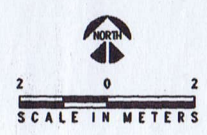
URANIUM
BUILDING #1




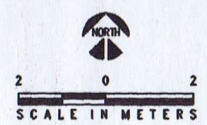
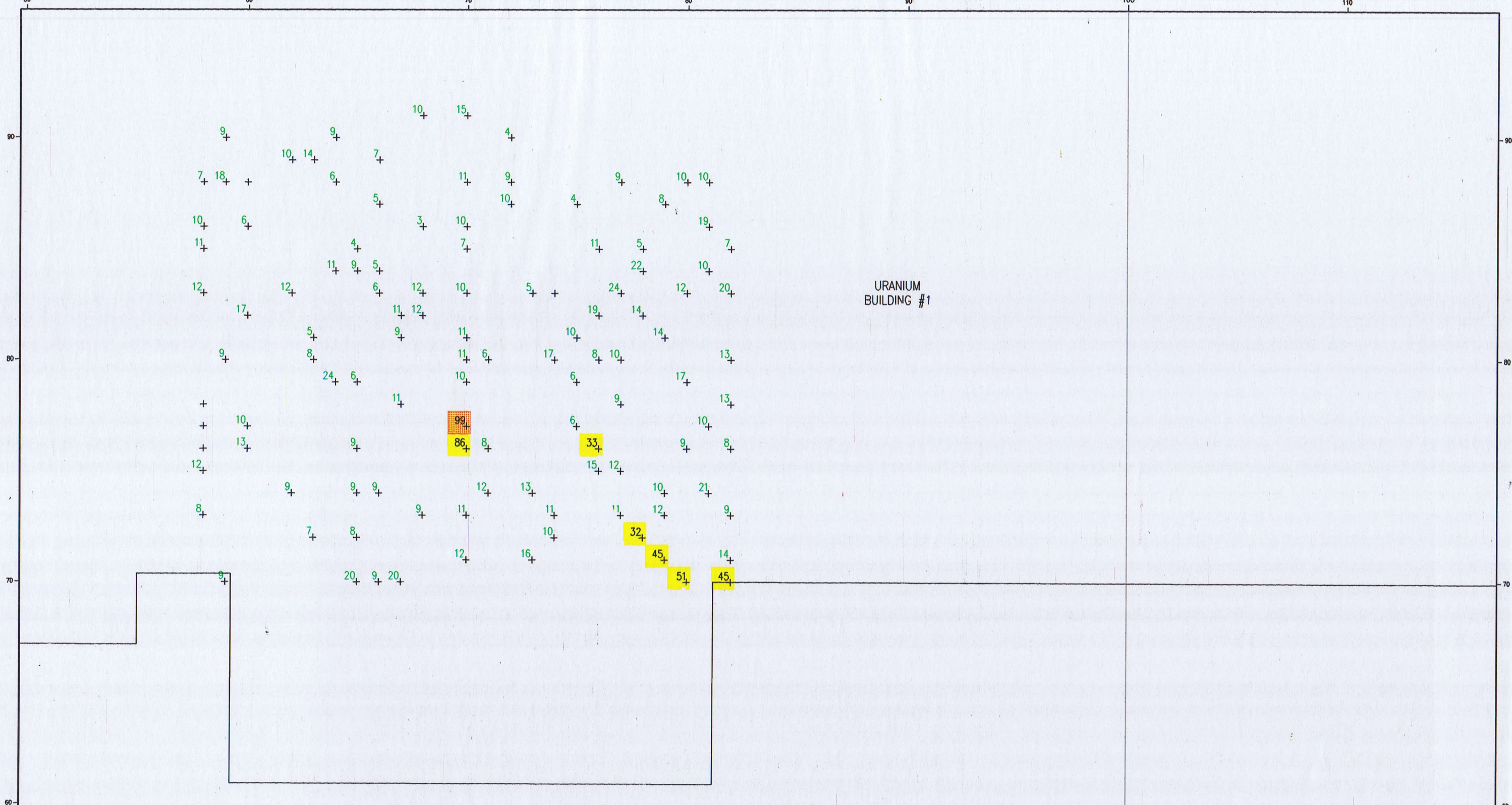
READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).				LEGEND		 CIMARRON CORPORATION	
CIMARRON GAMMA SPEC SOIL COUNTER.				URANIUM 15+ 1-29 pCi/g			CIMARRON FACILITY U-PLANT CERAMIC AREA PRE-REMEDIATION SOIL SAMPLE RESULTS (1992) SOIL SAMPLE ALIQUOT: 1'-2' DEEP
URANIUM BACKGROUND OF 6 pCi/g U, NOT SUBTRACTED.				46+ 30-89 pCi/g			
RANDOM SAMPLINGS TAKEN ON 1 METER X 1 METER GRID INTERSECTS, BEFORE REMEDIATION.				185+ 90-249 pCi/g			
				87+ URANIUM > 250 pCi/g		CLIENT DRAWING NO.	
				NO SAMPLE - + HIT ROCK OR METAL		JOB NO.	
DRWN. BY JE	DATE 10/10/94	CHKD. BY JA	DATE 11/1/94	APP'D. BY KM	SCALE: AS SHOWN	DRAWING NO. 92PRCPSS-2	
						REV. ?	



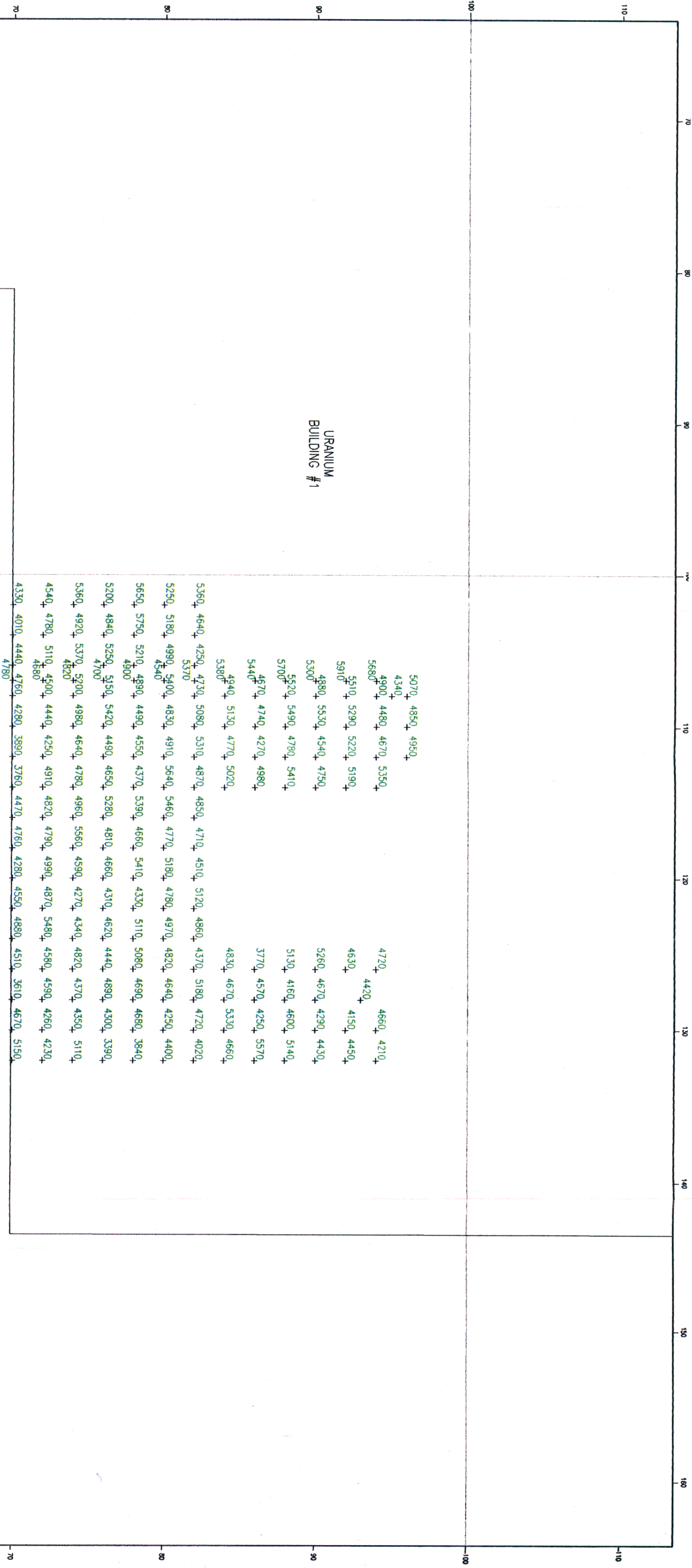
URANIUM
BUILDING #1

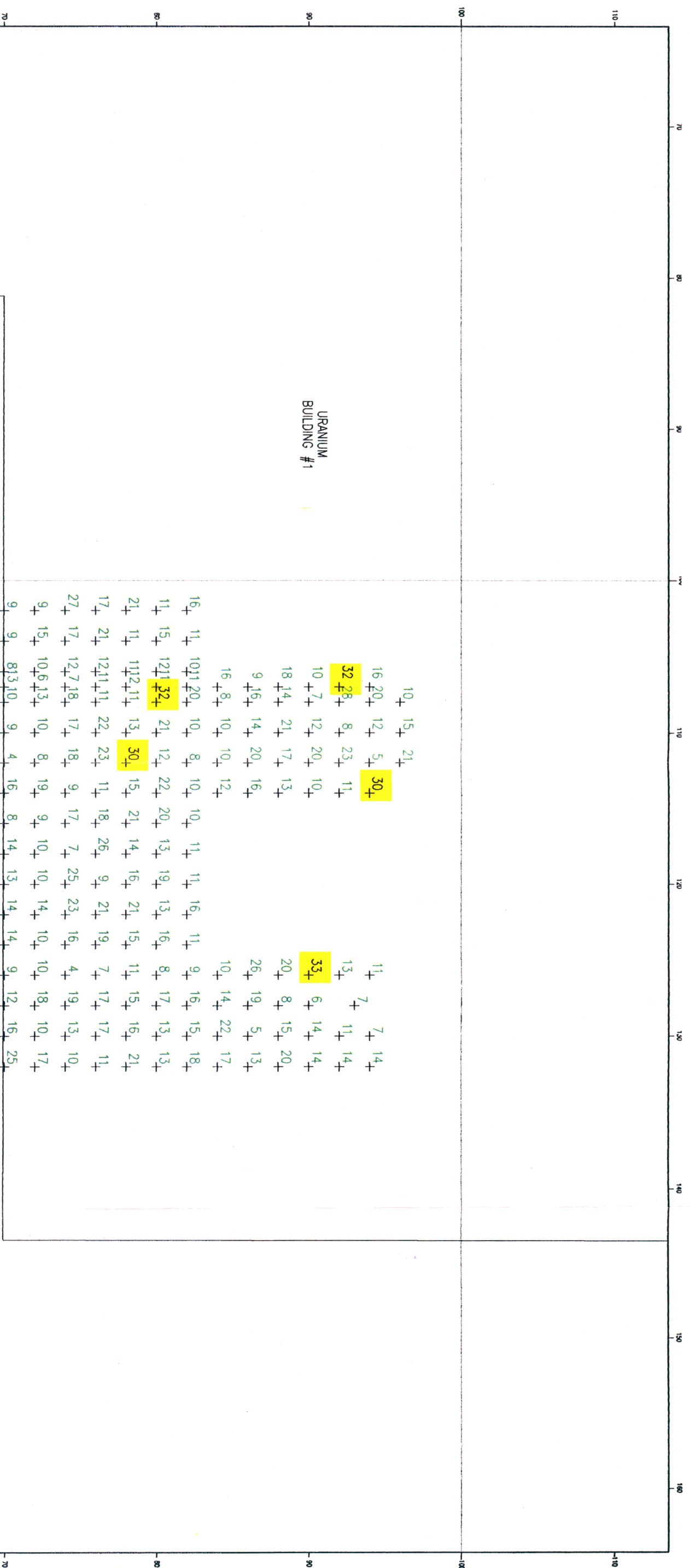



READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U).				LEGEND		 CIMARRON CORPORATION		
CIMARRON GAMMA SPEC SOIL COUNTER.				URANIUM 1-29 pCi/g				
URANIUM BACKGROUND OF 6 pCi/g U. NOT SUBTRACTED.				URANIUM 30-89 pCi/g		CIMARRON FACILITY U-PLANT CERAMIC AREA PRE-REMEDIATION SOIL SAMPLE RESULTS (1992) SOIL SAMPLE ALIQUOT: 2'-3' DEEP		
RANDOM SAMPLINGS TAKEN ON 1 METER X 1 METER GRID INTERSECTS, BEFORE REMEDIATION.				URANIUM 90-249 pCi/g				
				URANIUM > 250 pCi/g				
				NO SAMPLE - + HI ROCK OR METAL		CLIENT DRAWING NO.		
DRWN. BY JE	DATE 10/10/94	CHGD. BY JA	DATE 11/1/94	APPR'D. BY KM	SCALE AS SHOWN	JOB NO.	DRAWING NO. 92PRCPSS-3	REV. ?

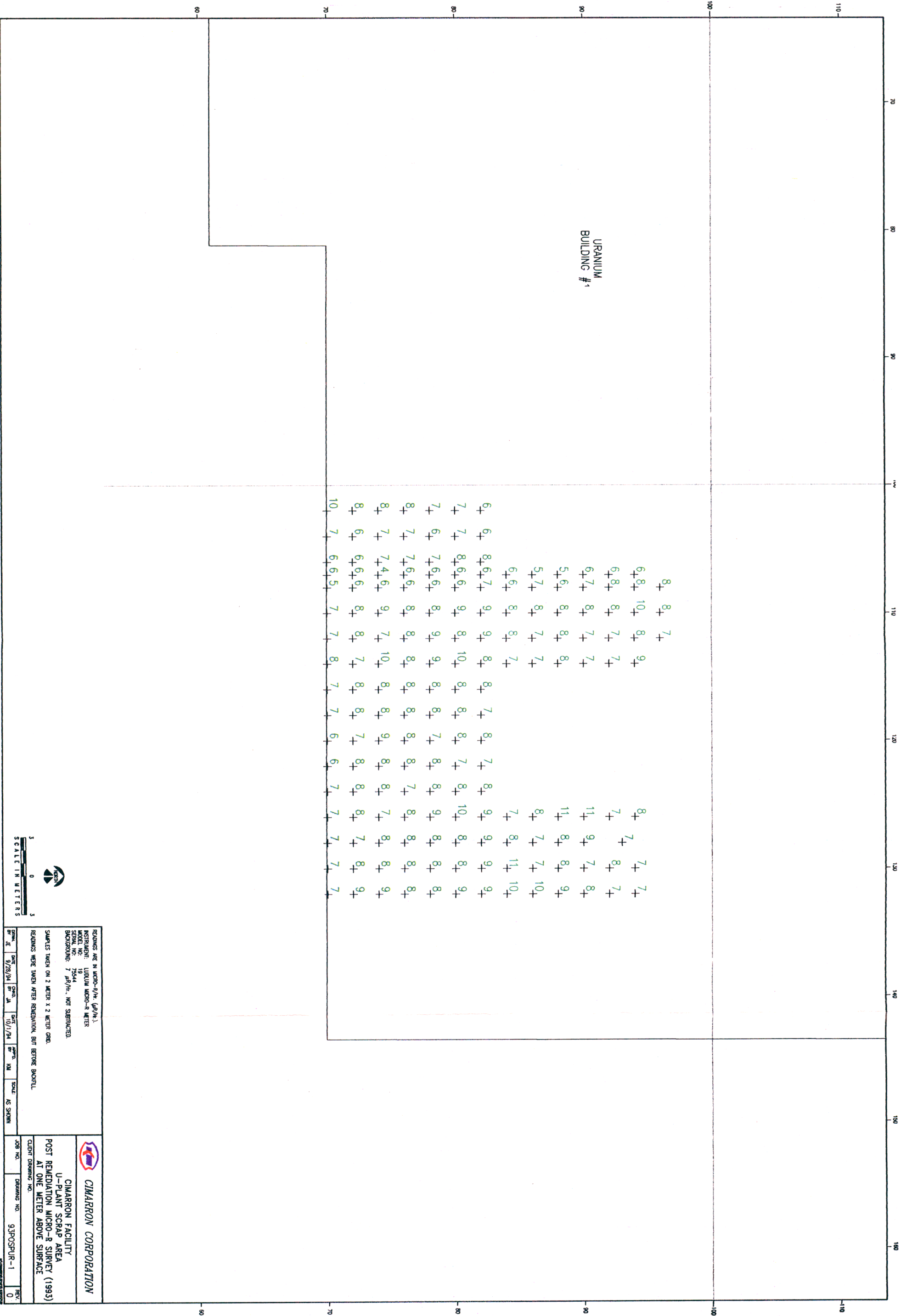


READINGS ARE IN PICO-CURIES PER GRAM URANIUM (pCi/g U). CIMARRON GAMMA SPEC SOIL COUNTER. URANIUM BACKGROUND OF 6 pCi/g U. NOT SUBTRACTED.				LEGEND 15+ URANIUM 1-29 pCi/g 45+ URANIUM 30-89 pCi/g 99+ URANIUM 90-249 pCi/g 272+ URANIUM > 250 pCi/g NO SAMPLE - HIT ROCK OR METAL		CIMARRON CORPORATION CIMARRON FACILITY U-PLANT CERAMIC AREA PRE-REMEDIATION SOIL SAMPLE RESULTS (1992) SOIL SAMPLE ALIQUOT: 3'-4" DEEP CLIENT DRAWING NO.			
RANDOM SAMPLINGS TAKEN ON 1 METER X 1 METER GRID INTERSECTS, BEFORE REMEDIATION.	DRWN. BY JE	DATE 10/10/94	CHKD. BY JA	DATE 11/1/94	APP'D. BY KM	SCALE AS SHOWN	JOB NO.	DRAWING NO. 92PRCPSS-4	REV. ?





READINGS ARE IN PCO-COUNTS PER GGM URBANUM (pcd/g U). CEMARON GAMA SPEC. SOIL. COUNTS. URBANUM BACKGROUND OF 6 pcd/g, NOT SUBTRACTED.									
SAMPLES TAKEN ON 2 METER X 2 METER GRID.									
SAMPLES WERE TAKEN AFTER REDEMPTION.									
DATE 9/23/94		GRID BT JA		START 10/1/94		END N/A		SCALE AS SHOWN	
<div style="border: 1px solid black; padding: 5px;"> <p>LEGEND</p> <p>5, 1 - 29 pcd/g U</p> <p>34, 30 - 89 pcd/g U</p> <p>106, > 90 pcd/g U</p> </div>									
<div style="text-align: center;">  <p>CIMARRON CORPORATION</p> </div>									
<div style="text-align: center;"> <p>CIMARRON FACILITY</p> <p>U-PLANT SCRAP AREA</p> <p>POST REDEMPTION SOIL SAMPLE RESULTS (1993)</p> <p>SOIL SAMPLE ALLOT: 0' - 6" DEEP</p> </div>									
CLIENT NO. DRAWING NO.		93P05PSS-0							
REV 0									



REMARKS ARE IN MICRO-R/Hr. (µR/Hr.)
INSTRUMENT: TUDOR MICRO-R METER
SERIAL NO. 7544
BACKGROUND: 7 µR/Hr. NOT SUBTRACTED
SAMPLES TAKEN ON 2 METER X 2 METER GRID.
REMARKS WERE TAKEN AFTER REMEDIATION, BUT BEFORE BACKFILL.

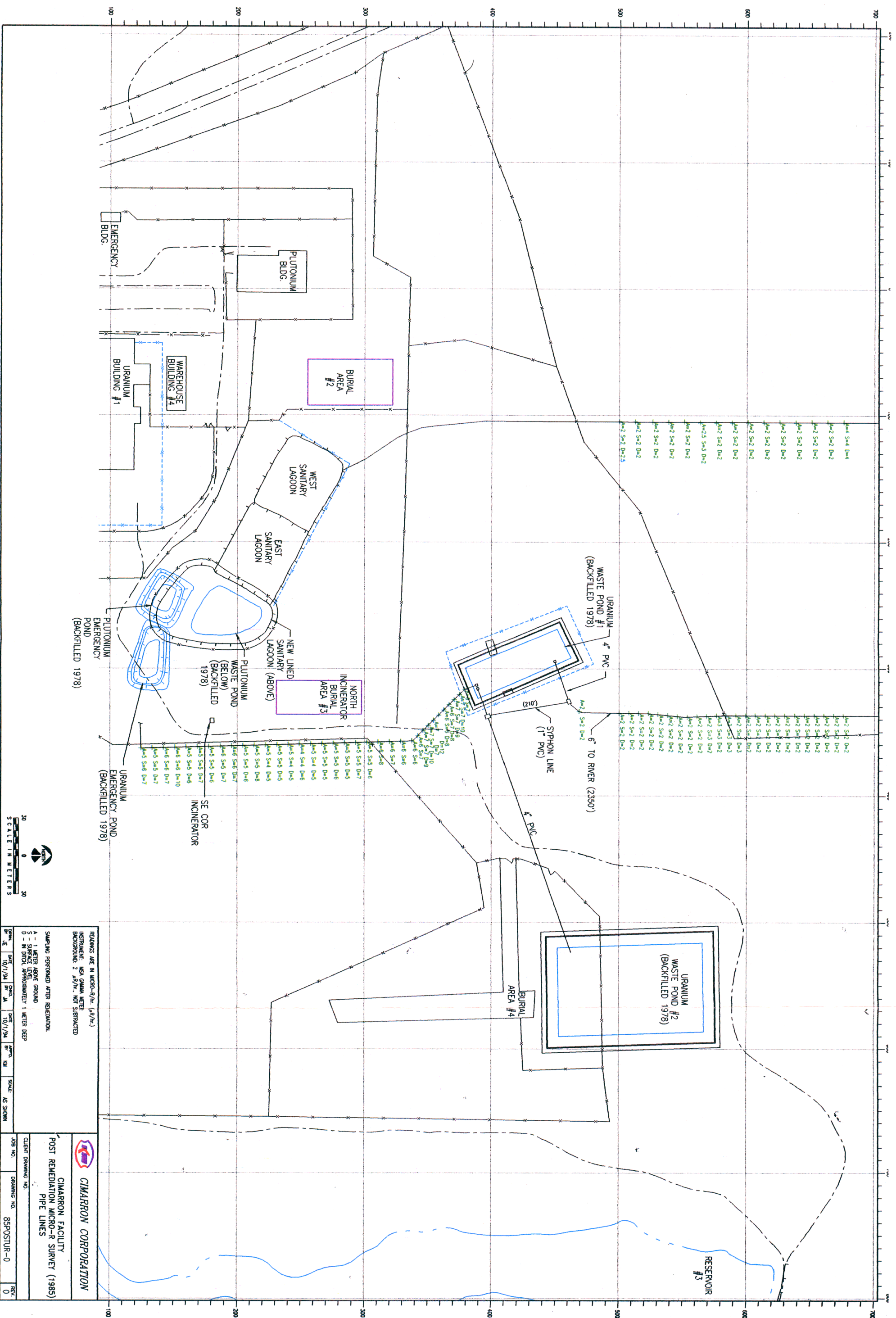


CIMARRON CORPORATION

U-PLANT SCRAP AREA
POST REMEDIATION MICRO-R SURVEY (1993)
AT ONE METER ABOVE SURFACE

DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY
9/28/94	JE	10/1/94	JE	10/1/94	JE	10/1/94	JE	10/1/94	JE

93PSPUR-1



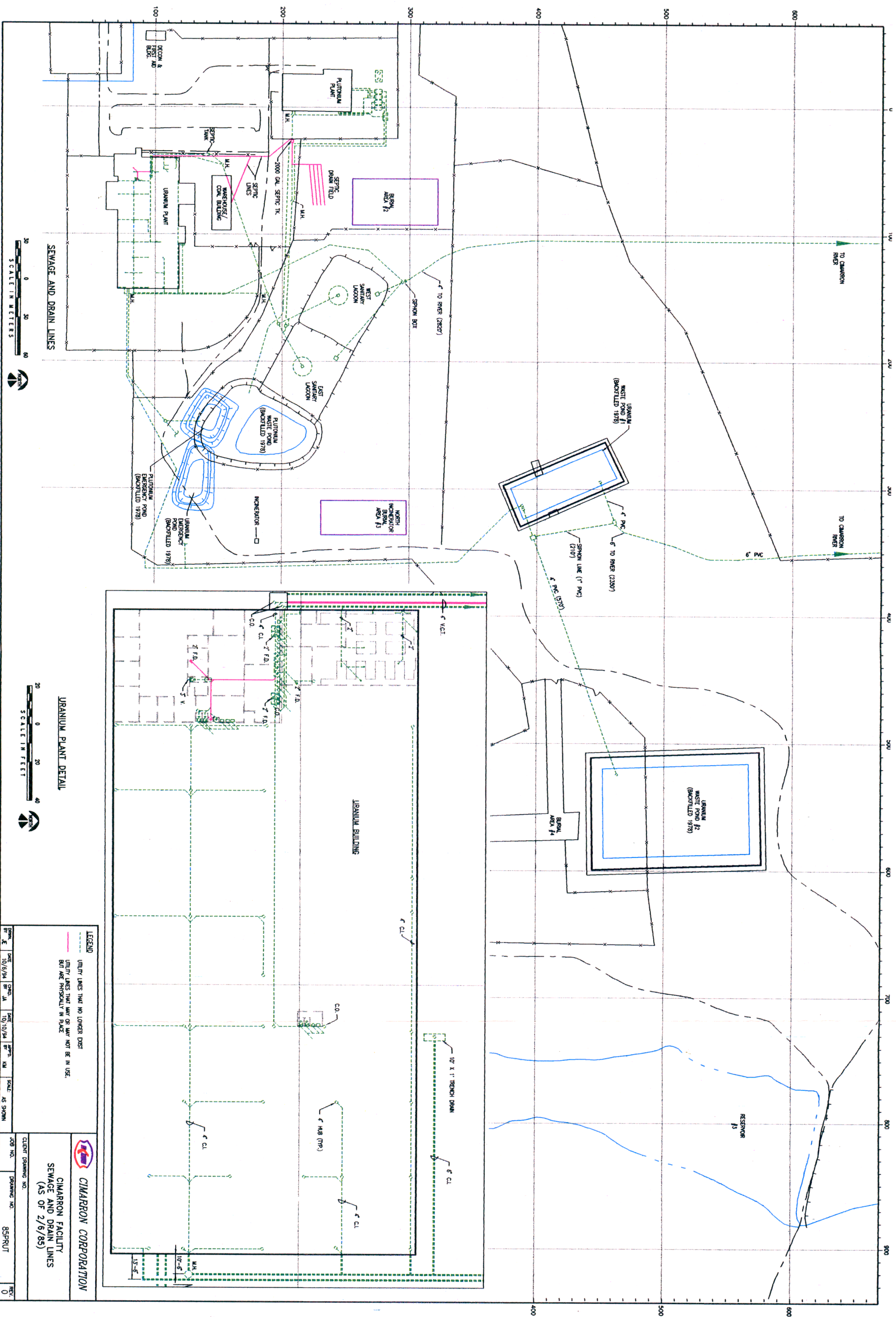
CIMARRON CORPORATION

CIMARRON FACILITY
POST REMEDIATION MICRO-R SURVEY (1985)
PIPE LINES


CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.
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U:\Program Files\Microsoft\Windows\Windows Defender\Windows Defender.exe

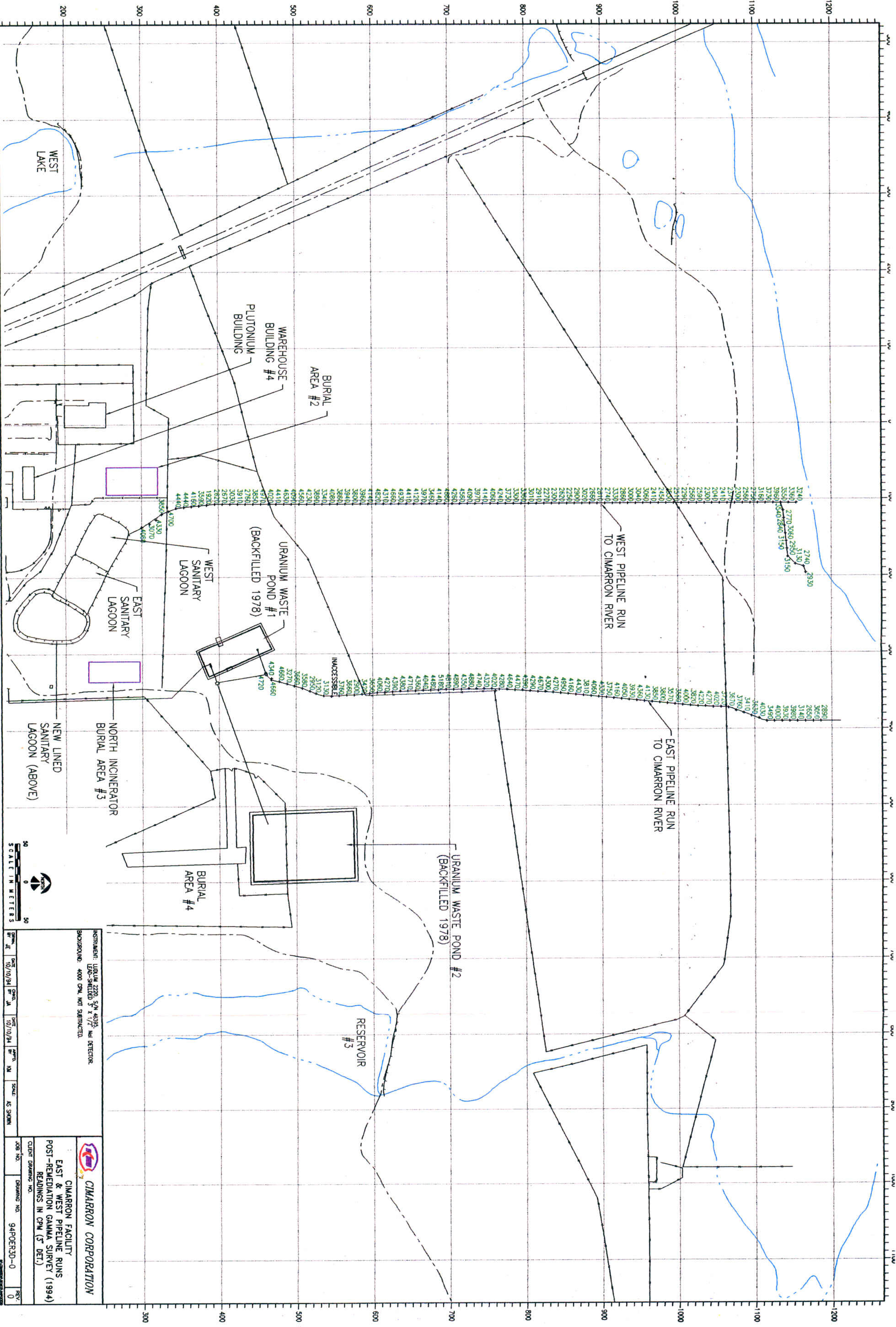


LEGEND									
--- UTILITY LINES THAT NO LONGER EXIST --- UTILITY LINES THAT MAY OR MAY NOT BE IN USE. --- BUT ARE PHYSICALLY IN PLACE.									
POINT	DATE	COORD.	DATE	APPROV.	SCALE	AS SHOWN			
BY 'E'	10/6/94	BY 'JA'	10/10/94	IND					
CLIENT DRAWING NO.						DRAWING NO.			
JOB NO.						85SPRUT			
REV						0			

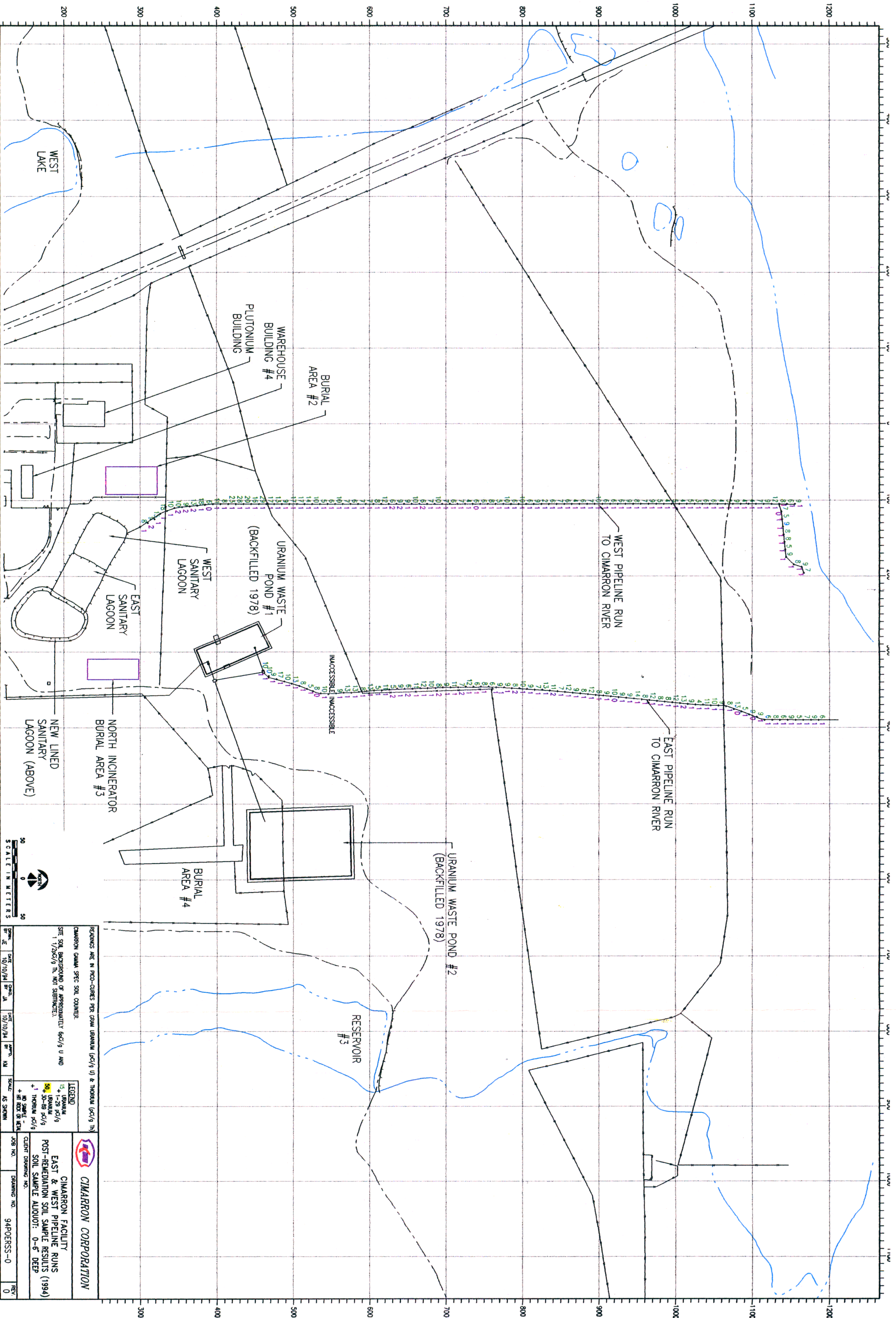


CIMABRON CORPORATION

**CIMABRON FACILITY
SEWAGE AND DRAIN LINES
(AS OF 2/6/85)**



CIMARRON CORPORATION EAST & WEST PIPELINE RUNS POST-REMEDIATION GAMMA SURVEY (1994) READINGS IN CPM (3 DET.)	
INSTRUMENT: LUDUM 2220, 5" x 4" x 3" NaI DETECTOR BACKGROUND: 4000 CPM, NOT SUBTRACTED	DATE: 10/10/94 BY: JA SCALE: AS SHOWN JOB NO.: 94POERC30-0 DRAWING NO.: 0



READINGS ARE IN PPM-COUNTS PER GROSS URANIUM (µCi/g U) & THORIUM (µCi/g Th)

CIMARRON GAMMA SPEC SOIL COUNTER

SITE SOIL BACKGROUND OF APPROXIMATELY 6µCi/g U AND 1.17µCi/g Th. NOT SUBTRACTED.

LEGEND

12-20 µCi/g
1-20 µCi/g
50-80 µCi/g
+ THORIUM µCi/g
+ NO SAMPLE
+ AT 100 G/CM³

CIMARRON CORPORATION

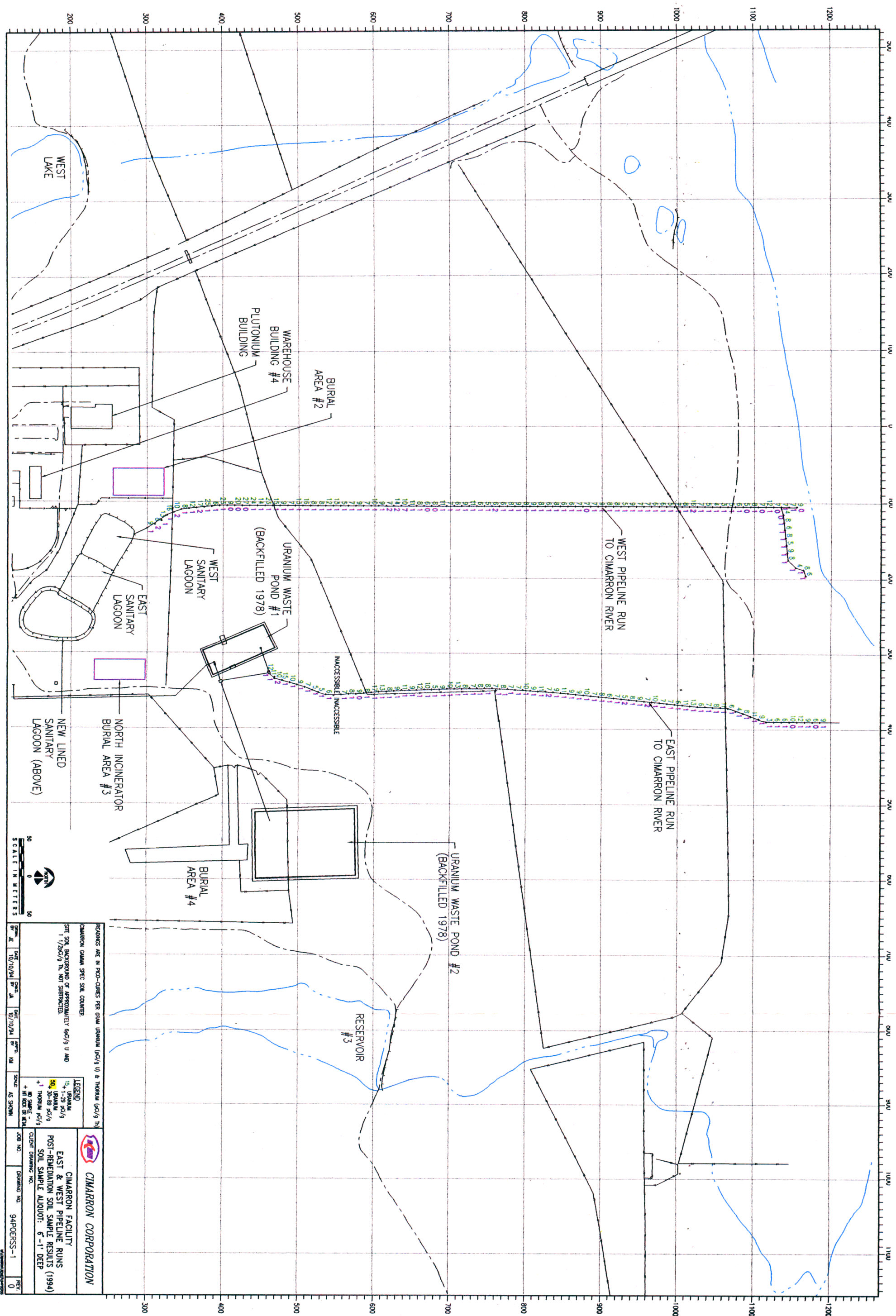
EAST & WEST PIPELINE RUNS
POST-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALLOQUOT: 0-6" DEEP

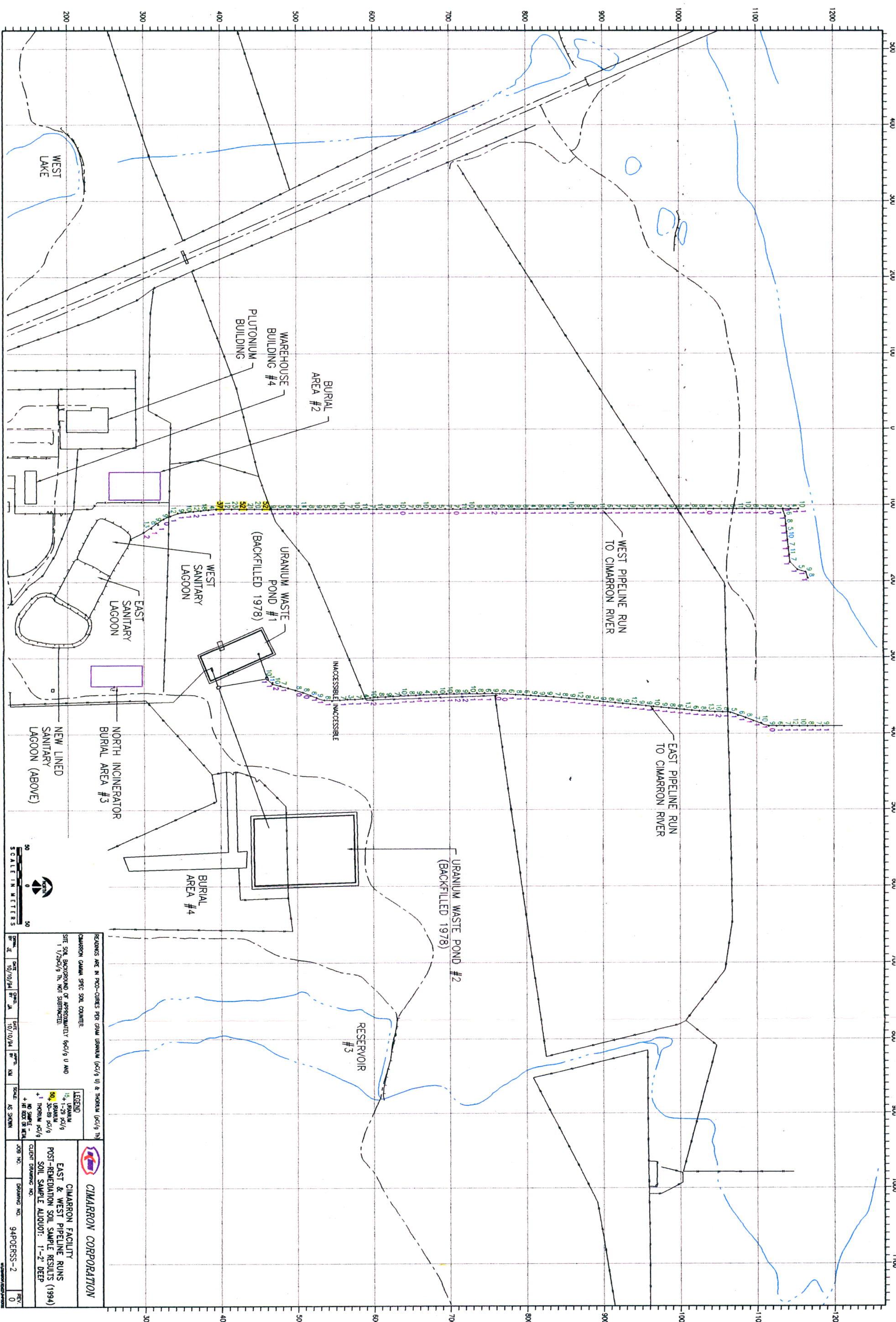
CLIENT DRAWING NO.

DRAWING NO. 94PDRSS-0

REV. 0

DATE	10/10/94	BY	JA	DATE	10/10/94	BY	KH
SCALE	1:1	DATE	10/10/94	BY	JA	DATE	10/10/94





REMARKS ARE IN PICO-COUNTS PER GRAM URANIUM (pc/g U) & THORIUM (pc/g Th)

CIMARRON GAMMA SPEC SOIL COUNTER

SITE SOIL BACKGROUND OF APPROXIMATELY 6pc/g U AND 1.17pc/g Th, NOT SUBTRACTED

LEGEND

1-20 pc/g	21-50 pc/g	51-100 pc/g
URANIUM	URANIUM	URANIUM
1-20 pc/g	21-50 pc/g	51-100 pc/g
THORIUM	THORIUM	THORIUM
1-20 pc/g	21-50 pc/g	51-100 pc/g

NO SCALE - SEE FIELD NOTES

SCALE: AS SHOWN

CIMARRON CORPORATION

EAST & WEST PIPELINE RUINS

POST-REMEDIATION SOIL SAMPLE RESULTS (1994)

SOIL SAMPLE ALIQUOT: 1"-2" DEEP

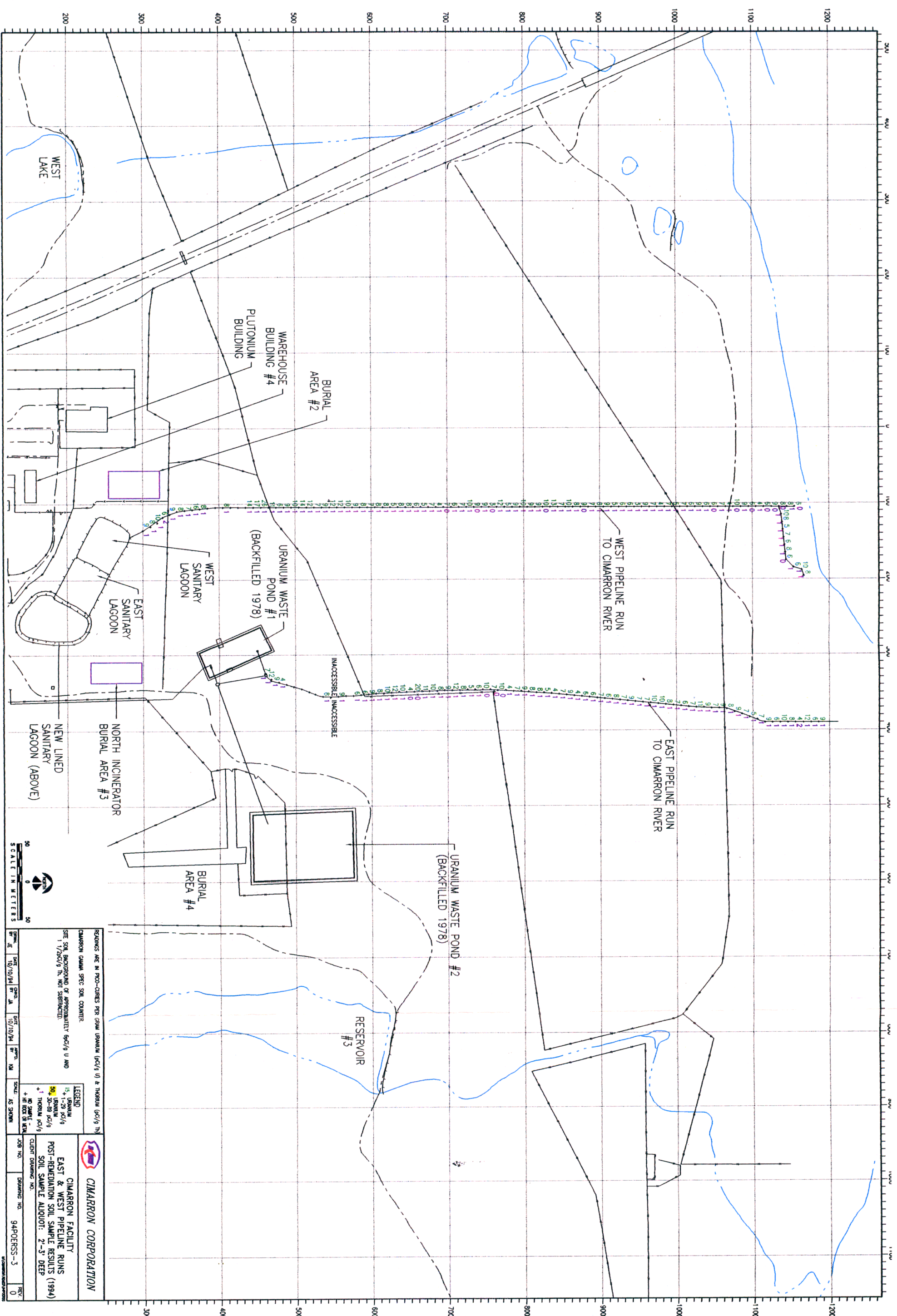
CLIENT DRAWING NO.

DRAWING NO.

94PDRSS-2

REV.

0



RECORDS ARE IN PICO-CLONES PER GROW URANIUM (pCi/g U) & THORIUM (pCi/g Th)

CIMARRON CANADA SPEC. SOIL COUNTER

SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND 1 1/2pCi/g Th. NOT SUBTRACTED.

LEGEND

15+ 1-20 pCi/g URANIUM

50 30-80 pCi/g URANIUM

1 THORIUM pCi/g

NO QUOTE IS KNOWN

+ 10000 IS KNOWN

CIMARRON CORPORATION

EAST & WEST PIPELINE RUNS

POST-REMEDIATION SOIL SAMPLE RESULTS (1994)

SOIL SAMPLE ALIQUOT: 2-3" DEEP

CLIENT DRAWING NO.

JOB NO.

DRAWING NO.

94FOERSS-3

REV. 0

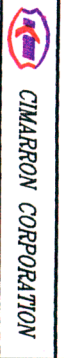
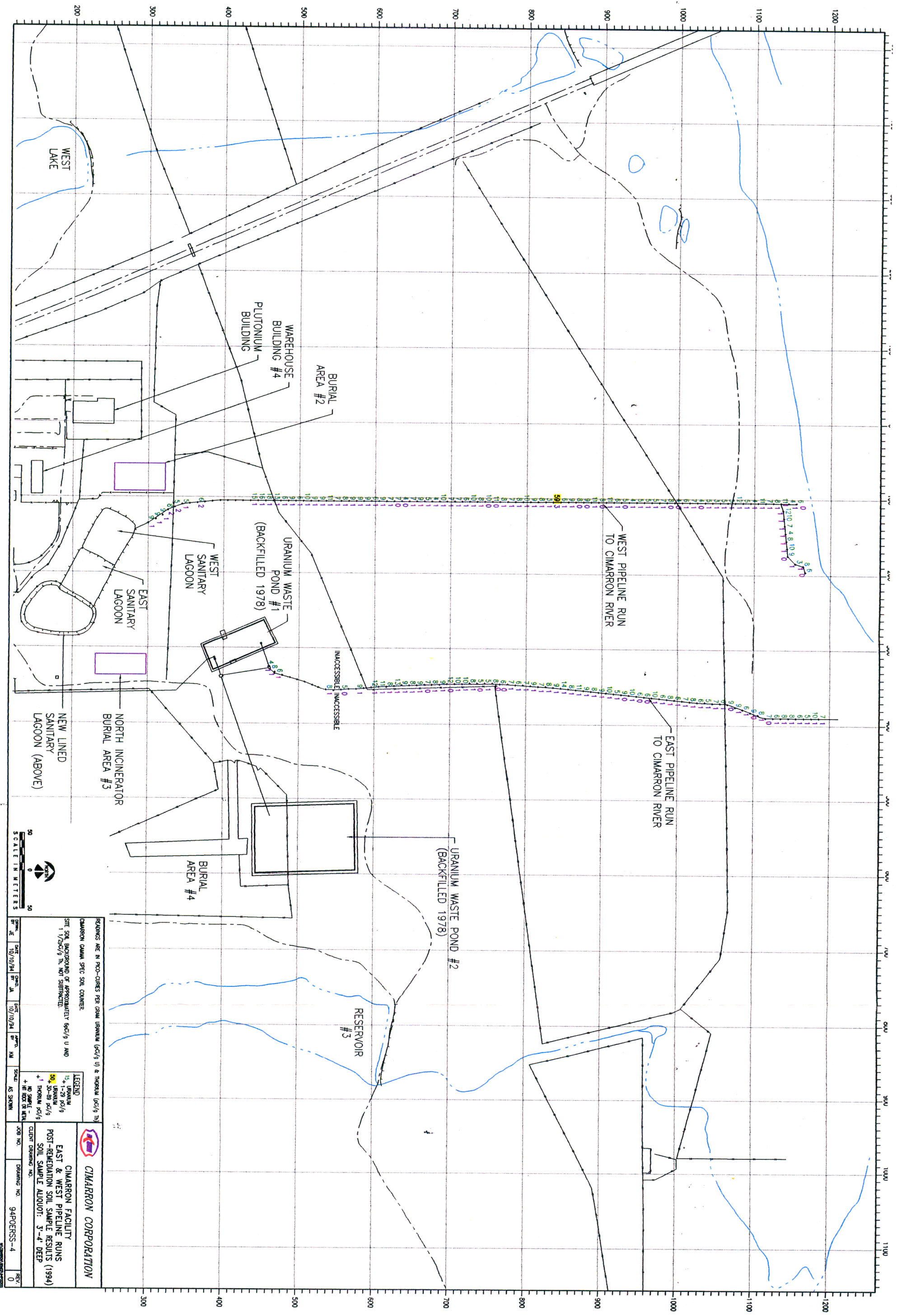
DATE 10/10/94

BY JA

DATE 10/10/94

BY RD

SCALE AS SHOWN



CIMARRON CORPORATION

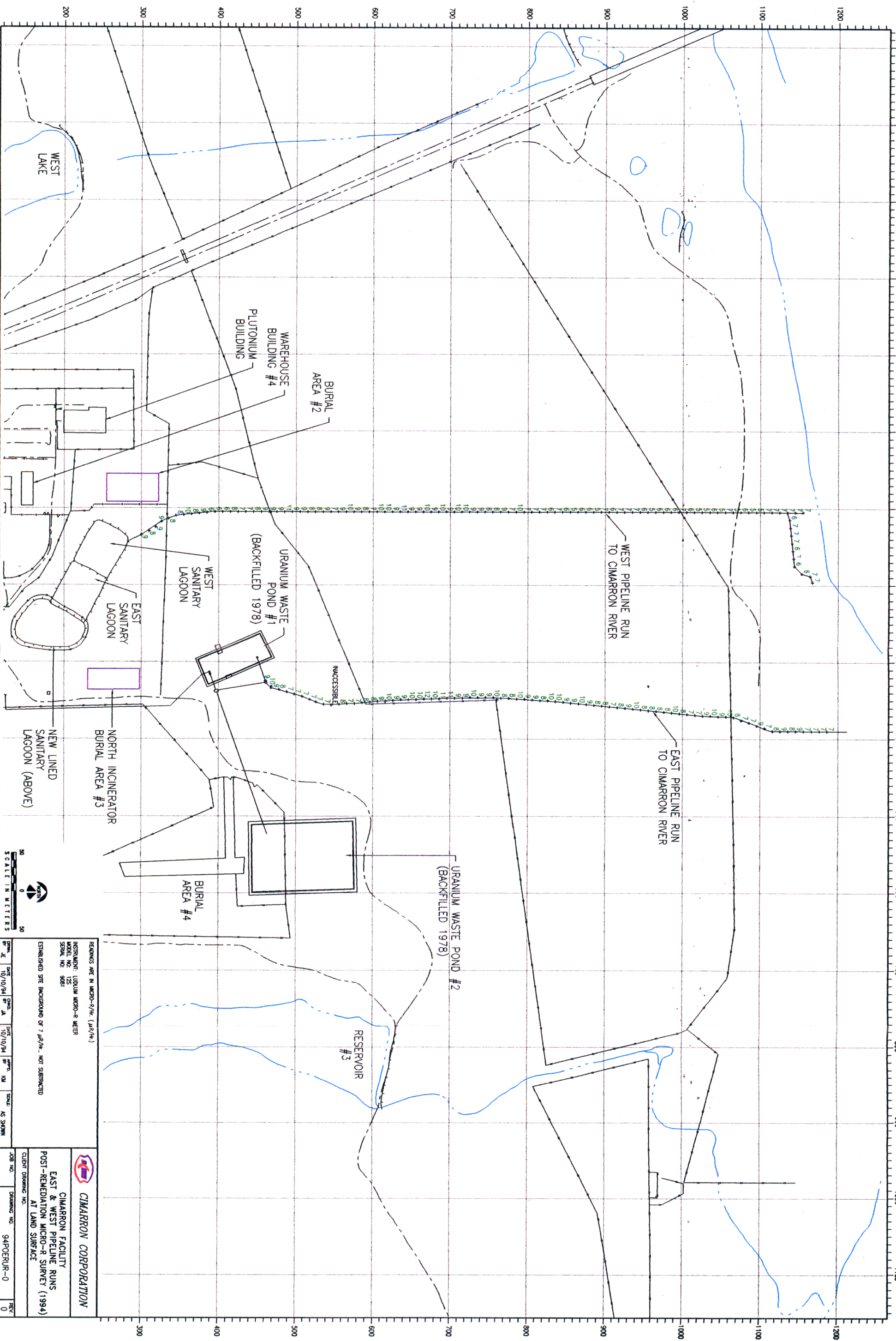
EAST & WEST PIPELINE RUNS
POST-REMEDIATION SOIL SAMPLE RESULTS (1994)
SOIL SAMPLE ALIQUOT: 3"-4" DEEP

CLIENT DRAWING NO. 94P02RSS-4
JOB NO. 94P02RSS-4
REV. 0

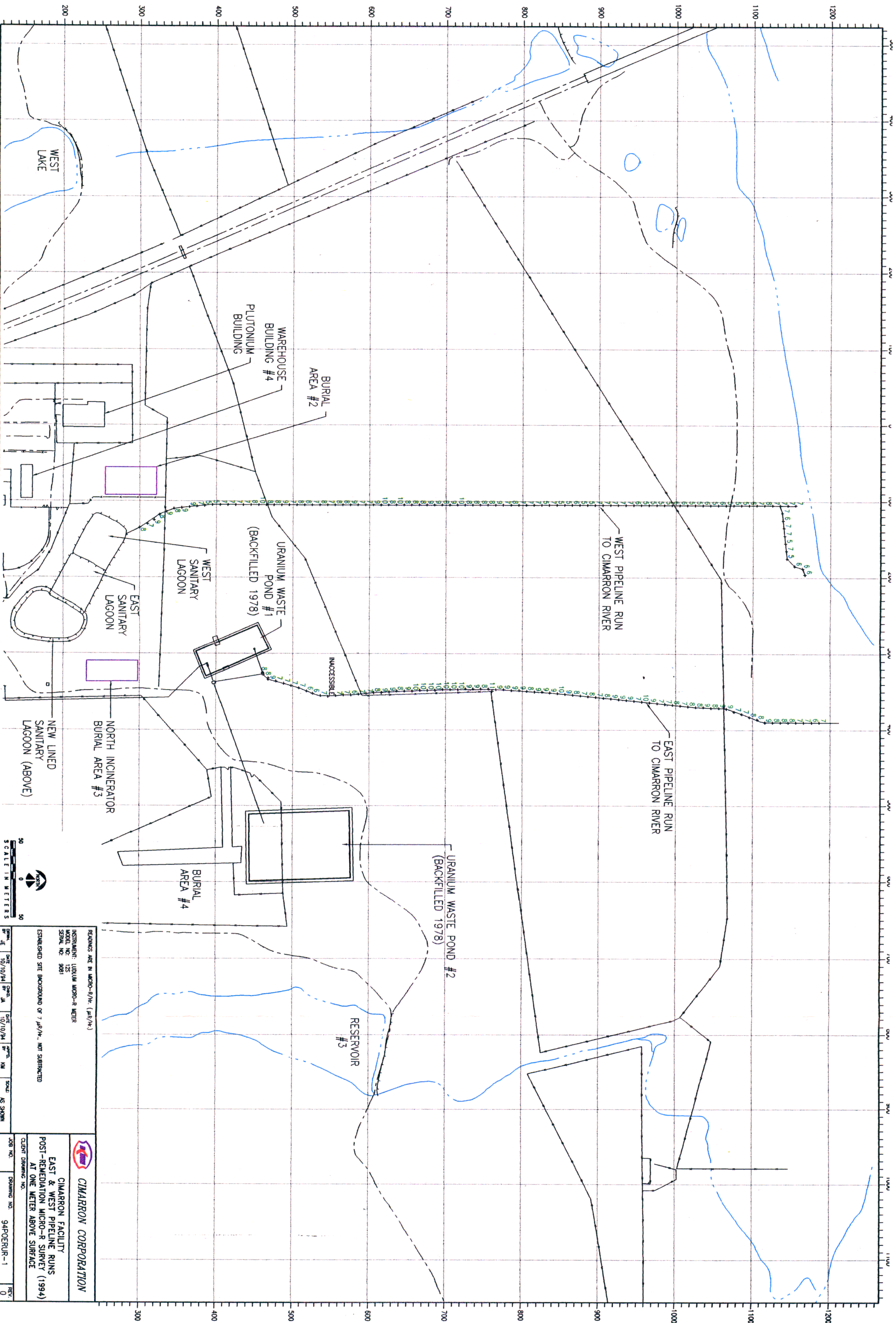
REMARKS ARE IN PICO-COUNTS PER GROSS URANIUM (pCi/g U) & THORIUM (pCi/g Th)
CIMARRON GAMA SPEC SOIL COUNTER
SITE SOIL BACKGROUND OF APPROXIMATELY 6pCi/g U AND
1 1/2pCi/g Th. NOT SUBTRACTED.

DATE	BY	DATE	BY	DATE	BY	DATE	BY
10/10/94	JE	10/10/94	JA	10/10/94	MA	10/10/94	MA





REMARKS ARE IN MICRO-R/Hr. (µR/Hr.)			
INSTRUMENT: LUDLUM MICRO-R METER			
MODEL NO. 125			
SERIAL NO. 9001			
ESTABLISHED SITE BACKGROUND OF 7 µR/Hr. NOT SUBTRACTED			
CLIENT DRAWING NO.			
CIBARRON CORPORATION			
EAST & WEST PIPELINE RUNS			
POST-REMEDIATION MICRO-R SURVEY (1994)			
AT LAND SURFACE			
JOB NO.	DRAWING NO.	DATE	REV.
94P0ERUR-0	94P0ERUR-0	10/10/94	0



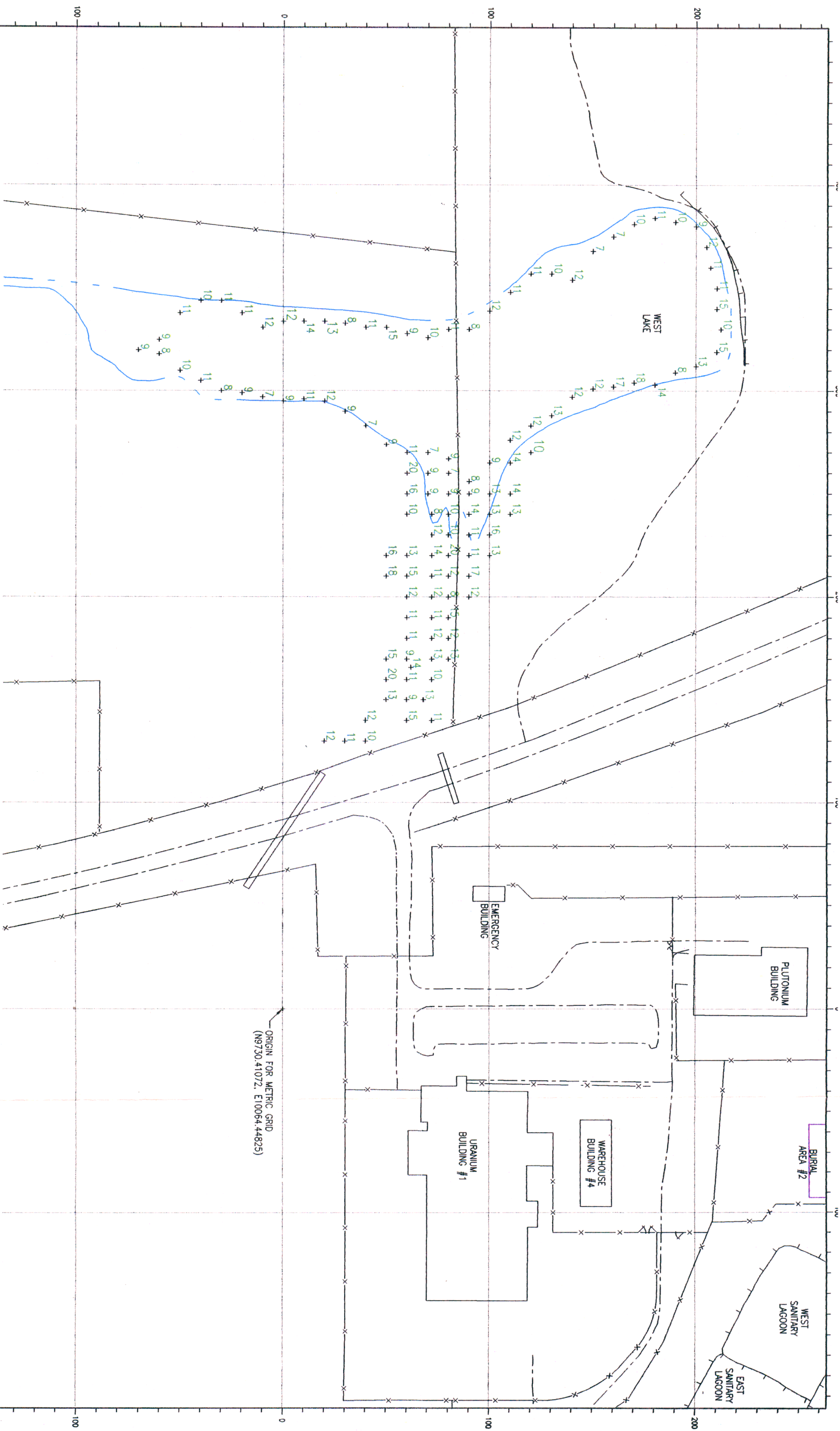
REMARKS ARE IN MICRO-R/Hr. (µR/hr.)	
INSTRUMENT: LUDOLM MICRO-R METER	
MODEL NO: 125	
SERIAL NO: 9081	
ESTABLISHED SITE BACKGROUND OF 7 µR/hr. NOT SUBTRACTED	
CLIENT DRAWING NO.	
JOB NO.	
DRAWING NO.	
94PDRUR-1	
REV.	
0	

CIMARRON CORPORATION

EAST & WEST PIPELINE RUNS

POST-REMEDIATION MICRO-R SURVEY (1994)

AT ONE METER ABOVE SURFACE



RECORDS ARE IN PICO-CLONES 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 WERE TAKEN AT THE EDGE OF THE WATER WHEN THE LAKE WAS AT ITS LOWEST LEVEL, IN 10 YEARS (MARCH 1991).

SAMPLES WERE TAKEN AFTER REDEMPTION.

CIMARRON CORPORATION

POST REMEDIATION SOIL SAMPLE RESULTS (1991)

SOIL SAMPLE ALLOQUOT: 0-6" DEEP

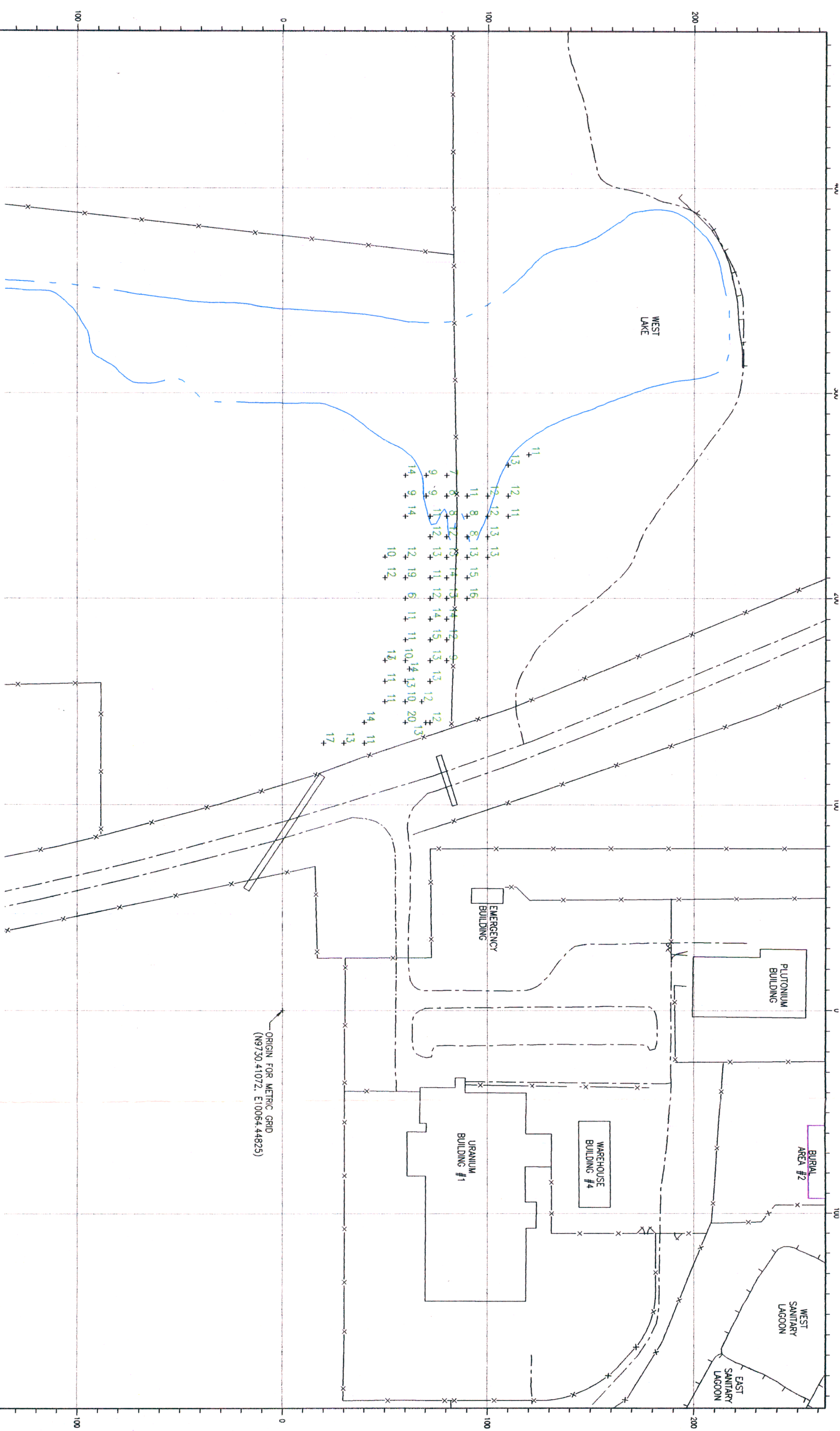
CUSTOMER DRAWING NO. 91PORISS-0

DRAWING NO. 91PORISS-0

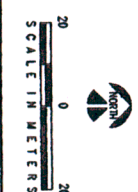
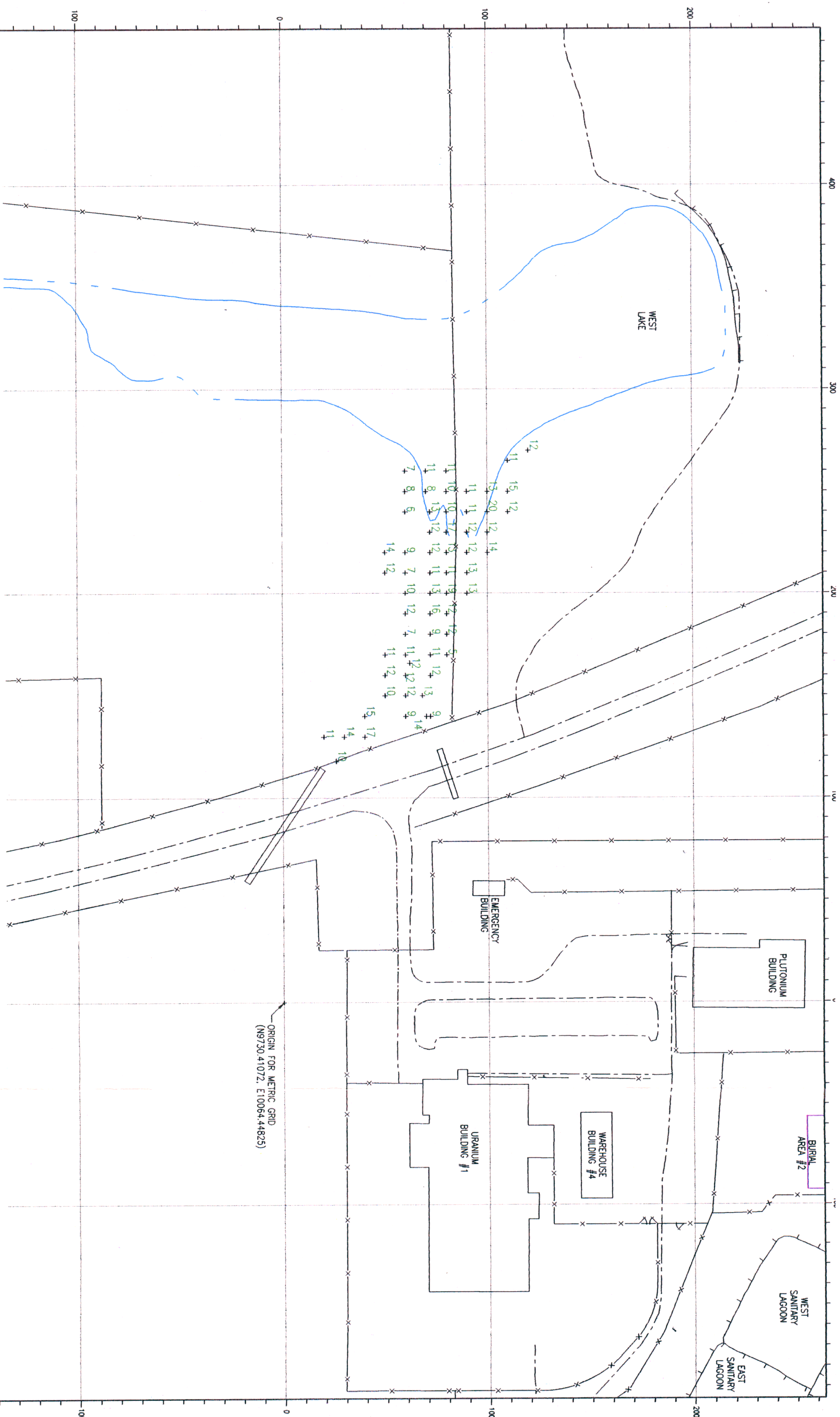
REV. 0

DATE	BY	DATE	BY	DATE	BY	SCALE	AS SHOWN
9/28/94	JE	10/1/94	JA				

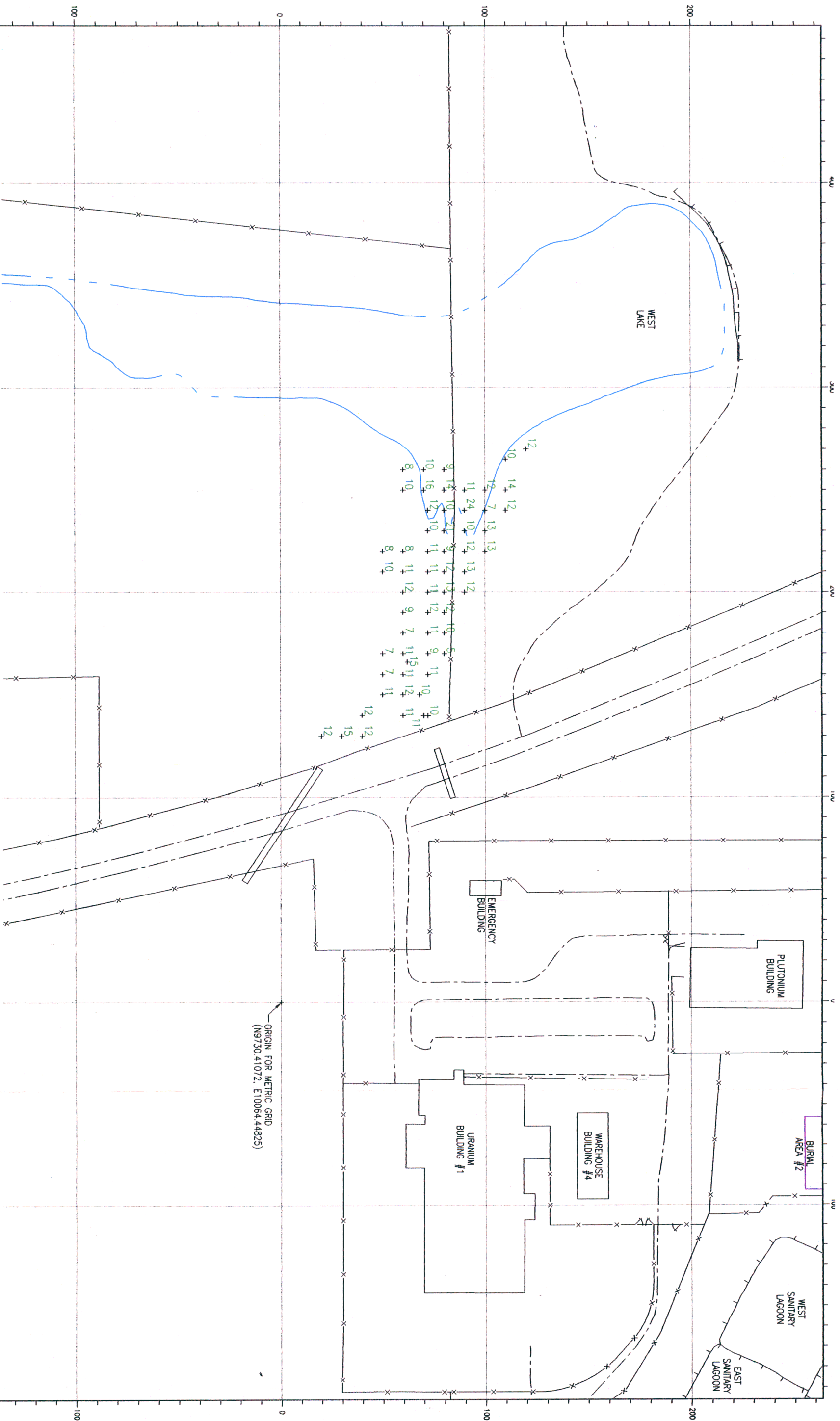
© Cimarron Corporation 1994



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 IN DRAINAGE CREEK.									
SAMPLES WERE TAKEN AFTER REMEDIATION.									
CIMARRON CORPORATION					WEST LAKE AREA				
POST REMEDIATION SOIL SAMPLE RESULTS (1991)					SOIL SAMPLE ALIQUOT: 6" - 1' DEEP				
CLIENT DRAWING NO.					DRAWING NO.				
JOB NO.					91PORISS-1				
DATE					REV				
8/28/94					0				



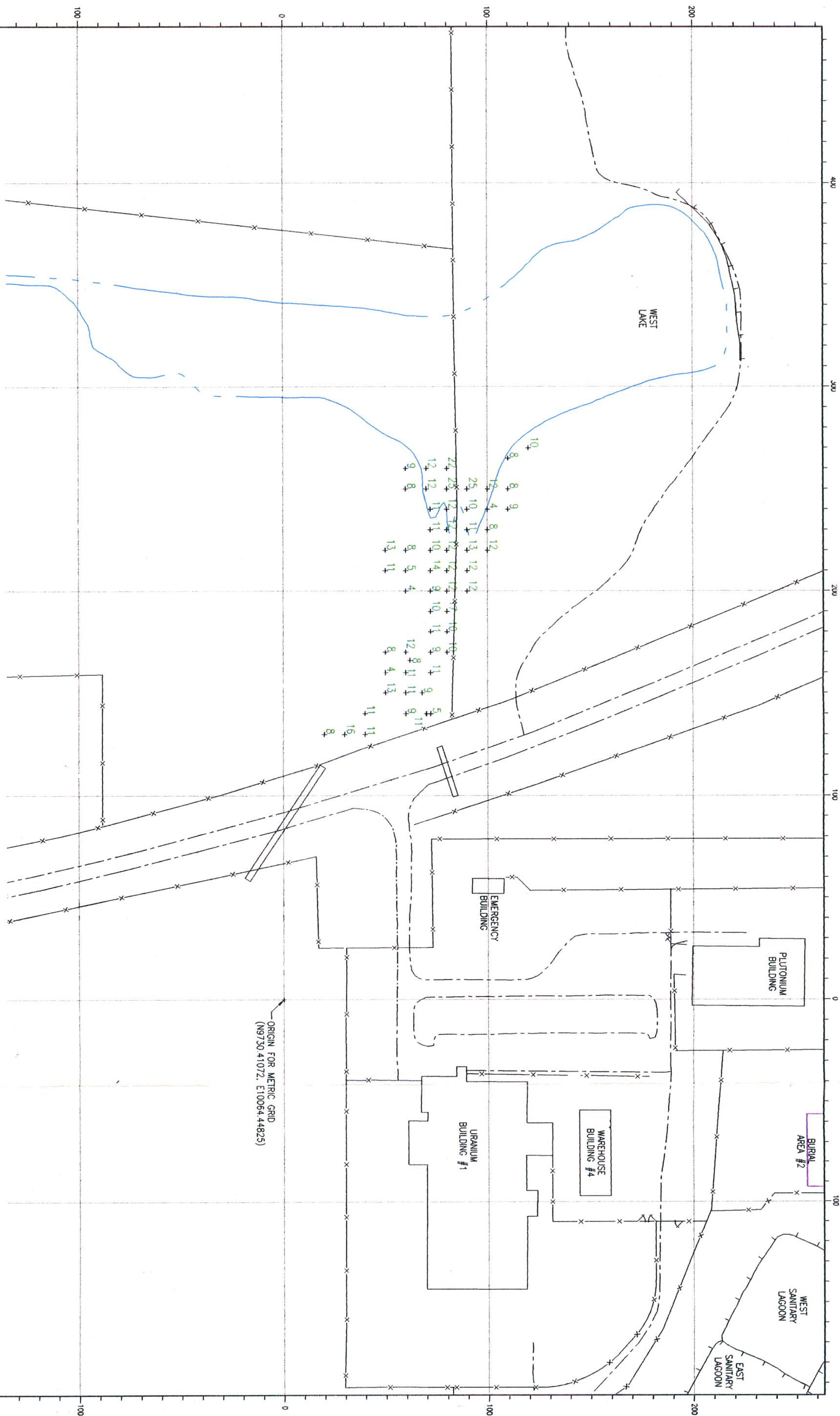
REVISIONS ARE IN PENCIL-CHANGES PER GRID UNLESS NOTED (P/C/G U).					
CIMARRON GAMA SPEC SOIL COUNTER.					
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pCi/g U, NOT SUBTRACTED.					
SAMPLES TAKEN ON 10 METER X 10 METER GRID.					
SAMPLES TAKEN IN DRAINAGE CREEK.					
SAMPLES WERE TAKEN AFTER REMEDIATION.					
CIMARRON CORPORATION					
WEST LAKE AREA					
POST REMEDIATION SOIL SAMPLE RESULTS (1991)					
SOIL SAMPLE ALLOUOT: 1' - 2' DEEP					
CLIENT DRAWING NO. 91PORISS-2					
JOB NO. DRAWING NO. 91PORISS-2					
REV. 0					



RECORDS ARE IN PICO-COUNTS PER GRAM URANIUM (pcc/g U).
CIMARRON GAMMA SPEC SOIL COUNTER.
SITE SOIL BACKGROUND OF APPROXIMATELY 6 pcc/g U, NOT SUBTRACTED.
SAMPLES TAKEN ON 10 METER X 10 METER GRID.
SAMPLES TAKEN IN DRAINAGE DITCH.
SAMPLES WERE TAKEN AFTER REMEDIATION.

CIMARRON CORPORATION
CIMARRON FACILITY
WEST LAKE AREA
POST REMEDIATION SOIL SAMPLE RESULTS (1991)
SOIL SAMPLE ALIQUOT: 2" - 3" DEEP
CLIENT DRAWING NO. 91POR/ISS-3

DATE: 9/28/94
SCALE: AS SHOWN
JOB NO.:
DRAWING NO.: 91POR/ISS-3
REV: 0



REVISIONS ARE IN PINK—CIRCLES PER GRID URANIUM (ppb/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 IN DRAINAGE CREEK.

SAMPLES WERE TAKEN AFTER REMEDIATION.

CIMARRON CORPORATION

CIMARRON FACILITY

WEST LAKE AREA

POST REMEDIATION SOIL SAMPLE RESULTS (1991)

SOIL SAMPLE ALIQUOT: 3" - 4" DEEP

CLIENT DRAWING NO.

DRAWING NO. 91POR1SS-4

REV. 0

DATE: 9/20/94

BY: JA

DATE: 10/1/94

BY: RM

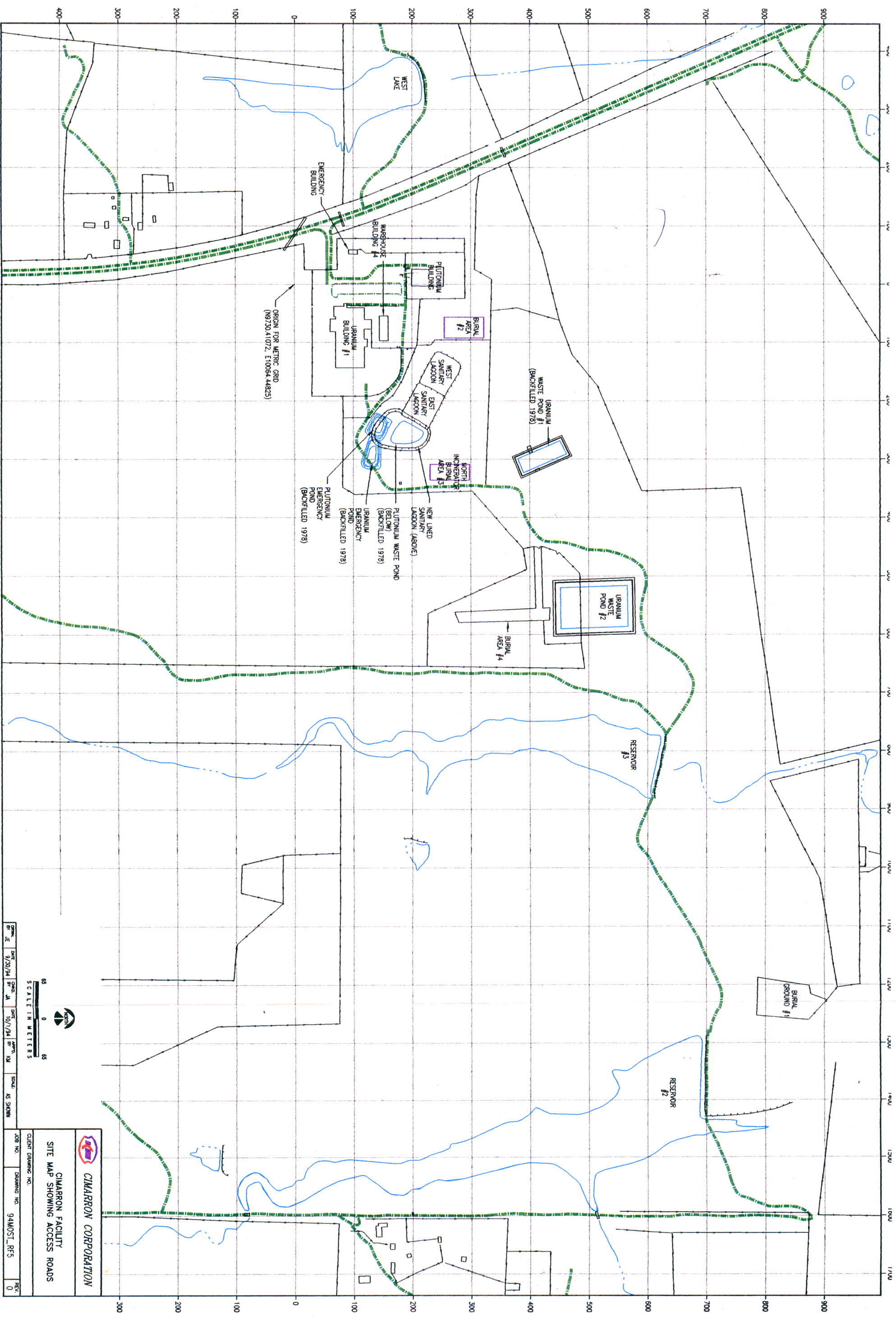
SCALE: AS SHOWN

JOB NO.

DRAWING NO. 91POR1SS-4

REV. 0





CIMARRON CORPORATION

**CIMARRON FACILITY
SITE MAP SHOWING ACCESS ROADS**

CLIENT DRAWING NO.

JOB NO.	DRAWING NO.	REV.

SCALE:	APPRO.	DATE	CHG.	DATE	ORIGIN
AS SHOWN	KM	10/1/94	JA	9/30/94	JE