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NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO 87801

REPORT OF ANALYSES on TCLP Tests for Lead on Soil Samples

Lab. no.	Identification	Gravity Separation		>80 mes	<80 mes	>80 mesh	<80 mesh
		weight %	light fraction–Pb	weight %	weight %	Pb	Pb
85 A	CT-S-12 (B)	95	1.48 ppm				
85 B	CT-S-12 (B)	95	1.2 ppm				
88 A	CT-L-4 (B)		>5 ppm	78.4	21.6	>5 ppm	>5 ppm
89 A	CT-S-12 (A)			83.4	16.6	2.7 ppm	1.1 ppm
Method of analysis			EPA #1310			EPA Method 1310	

Maps Included

If this data appears in a presentation, report or publication, please acknowledge the NMBMMR Chemistry Laboratory.

Post-it® Fax Note 7671
To Joel Dougherty
Co./Dept. US EPA
Phone #
Fax # 214/665-6660
Date 2-6-96
# of pages ▶ 4
From Carl Newton
Co. LANL
Phone 505 665 9259
Fax #

6816

SOCORRO, NEW MEXICO 87801

REPORT OF ANALYSES

Lab. no.	Identification	Total wt. gms	wt. Pb pieces	% large pieces	% Pb in pieces	% Pb in soil	Soil pH	Pb TCLP Soil	Pb TCLP Soil + pieces	wt Pb
81	CT-L-1	1683				0.0147	7.0	1.1		0.247
82	CT-S-9	1519				0.0066	6.4	0.3		0.100
83	CT-L-2	2200	82	3.7	76	0.1582	6.9	>5		3.48
84	CT-S-6	1867	15.5	0.8	9.1	0.0081	6.9	0.5	1.1	0.15
85	CT-S-12(B)	2164	22.9	1.0	88	0.1670	7.4	>5		3.61
86	CT-L-3(A)	1925.0	99.5	5.2	60	3.95	7.0	>5		76.03
87	CT-S-10	2005	148	7.4	91	5.05	7.0	>5		101.25
88	CT-L-4(B)	2014	27	1.3	90	0.2434	6.8	>5		4.90
89	CT-S-12(A)	1925	27	1.4	95	0.1474	7.0	>5		2.84
90	CT-L-3(B)	2644	252	9.5	69	3.88	6.9	>5		102.59
91	CT-L-4(A)	2048	21.3	1.0	92	0.4386	6.8	>5		8.98
92	CT-S-11	1974	35	1.8	92	0.1531	7.2	>5		3.02
93	CT-L-5	2056	30	1.5	91	0.3285	6.9	>5		6.75
94	CT-S-7	1737	24.5	1.4	73	0.0126	6.8	0.2	11.5	0.22
95	CT-S-13	2170	37	1.7	92	15.61	7.2	>5		338.74
96	CT-S-3	1573				0.0194	6.9	<.3		0.305
97	CT-S-8	1867	59	3.2	95	0.0328	6.8	1.4	35.5	0.612
98	CT-S-1	1291				0.0020	7.2	<.3		0.026
99	CT-S-2	1451				0.0078	7.1	0.5		0.113
100	CT-S-4	1753				0.0055	7.0	<.3		0.096
101	CT-S-5	1695				0.0074	7.1	0.5		0.125
Method of analysis						AA		EPA 1310		

21 Samples

→ ATOMIC ABSORPTION

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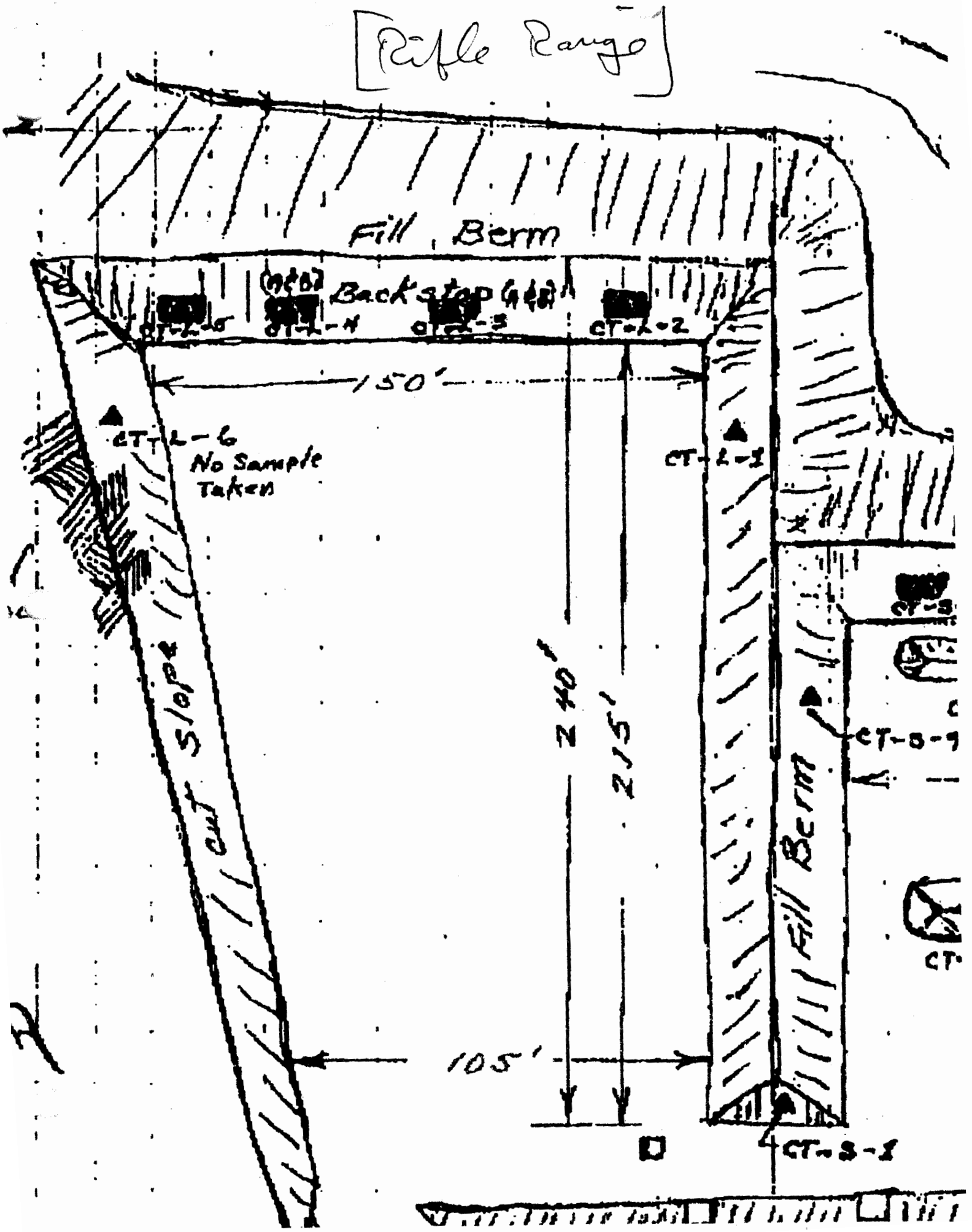
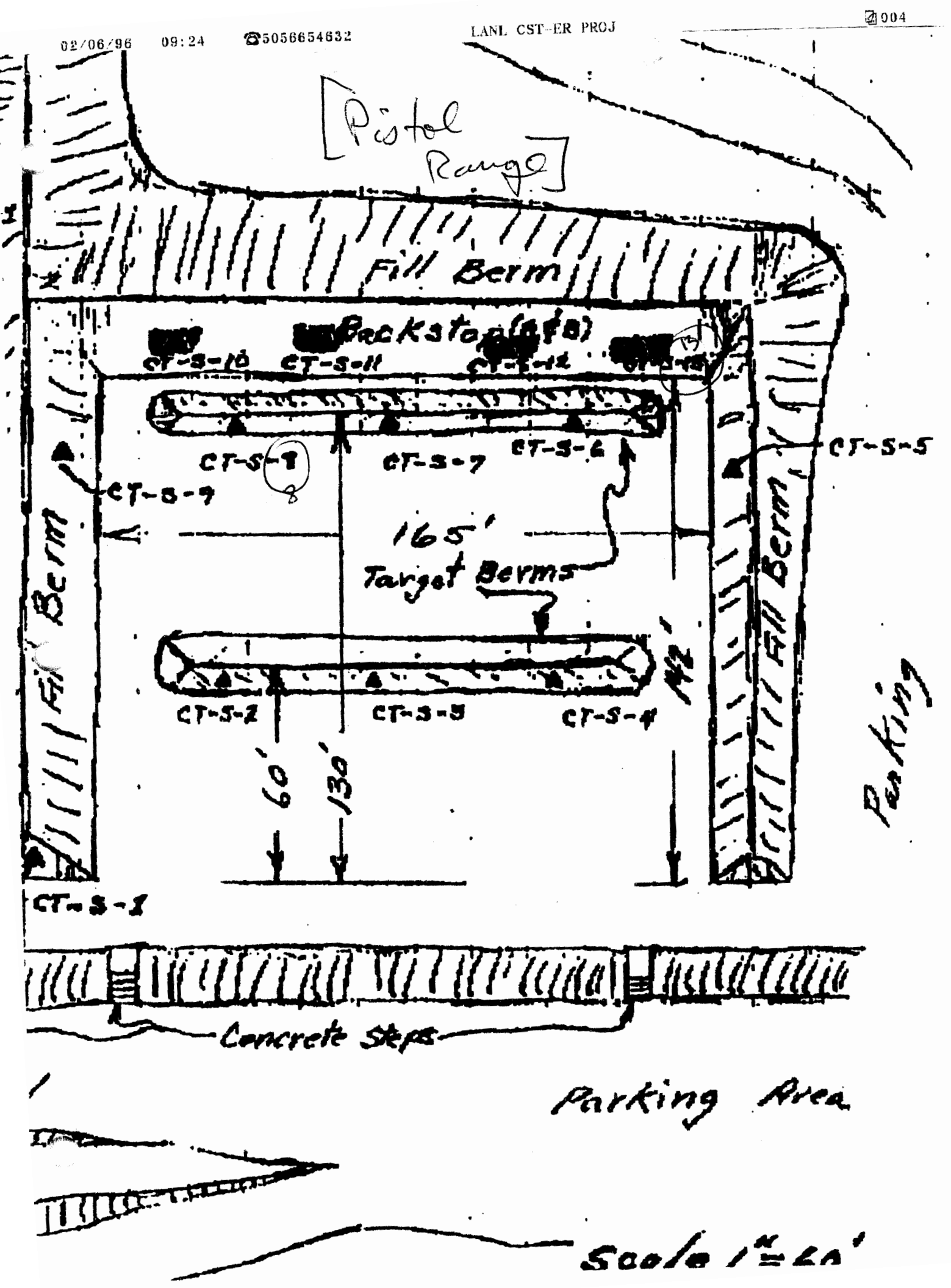

[Rifle Range]
Fill Berm
Backstop
CT-L-5
CT-L-4
CT-L-3
CT-L-2
150'
CT-L-6
No Sample Taken
CT-L-1
Cut Slope
240'
215'
Fill Berm
CT-S-1
105'


[Pistol Range]
Fill Berm
Backstop (8'8")
CT-S-10
CT-S-11
CT-S-12
CT-S-6
CT-S-7
CT-S-8
CT-S-5
CT-S-9
165'
Target Berms
Fill Berm
Fill Berm
CT-S-2
CT-S-3
CT-S-4
60'
130'
Parking
CT-S-1
Concrete Steps
Parking Area
Scale 1" = 20'

A DIVISION OF
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY

505/835-5420
505/835-5410
505/835-6333

* FAX *

TO: Joel Dougherty

ADDRESS:

FAX NO. 214-665-6660

FROM: Lynn Brandvold

FAX NO.: (505) 835-6333

PAGE 1 OF 2 PAGES

DATE: 2/6/96

MESSAGE

Original TCLP Data
US Forest Service
&
NM Bureau Mines

NEW MEXICO TECH IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION INSTITUTION

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REPORT OF ANALYSES

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84	CT-S-6	1867	15.5	0.8	9.1	0.0081	6.9	0.5	1.1
85	CT-S-12(B)	2164	22.9	1.0	88	0.1670	7.4	>5	
86	CT-L-3(A)	1925.0	99.5	5.2	60	3.95	7.0	>5	
87	CT-S-10	2005	148	7.4	91	5.05	7.0	>5	
88	CT-L-4(B)	2014	27	1.3	90	0.2434	6.8	>5	
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90	CT-L-3(B)	2644	252	9.5	69	3.88	6.9	>5	
91	CT-L-4(A)	2048	21.3	1.0	92	0.4386	6.8	>5	
92	CT-S-11	1974	35	1.8	92	0.1531	7.2	>5	
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95	CT-S-13	2170	37	1.7	92	15.61	7.2	>5	
96	CT-S-3	1573				0.0194	6.9	<.3	
97	CT-S-8	1867	59	3.2	95	0.0328	6.8	1.4	35.5
98	CT-S-1	1291				0.0020	7.2	<.3	
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Method of analysis						AA		EPA 1310	

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Alan Porter
USDA Forest Service
517 Gold Ave. SW
Alb. NM 87102
Charges $522.50
Order No. 40-8371-2-0375

NMBMMR submitter:
Lynn Brandvold
Approved by:

Date received: Feb. 25, 1992
Date completed: Mar. 17, 1992

Inactive Firing Range (SWMU 0-016)

Back Area TCLP Results

SAMPLE #	TCLP (mg/L)	Field XRF Pb (ppm)	Fixed Lab Total Pb (ppm)	Date Collected
AAA6677	1.99	251	201	4/19/94
AAA6678	0.048	80	84	4/19/94
AAA6679	0.87	988	867	4/19/94
AAA6680	0.41	635	616	4/19/94
AAA6681	3.0	502	365	4/21/94

Post-it® Fax Note 7671	Date 2/6/96	# of pages ▸ 2
To JOEL DOUGHERTY	From John Williams	
Co./Dept. EPA	Co. ERM/Golder	
Phone # (214)665-2281	Phone # (505)662-1332	
Fax # (214)665-6660	Fax # (505)662-1398	

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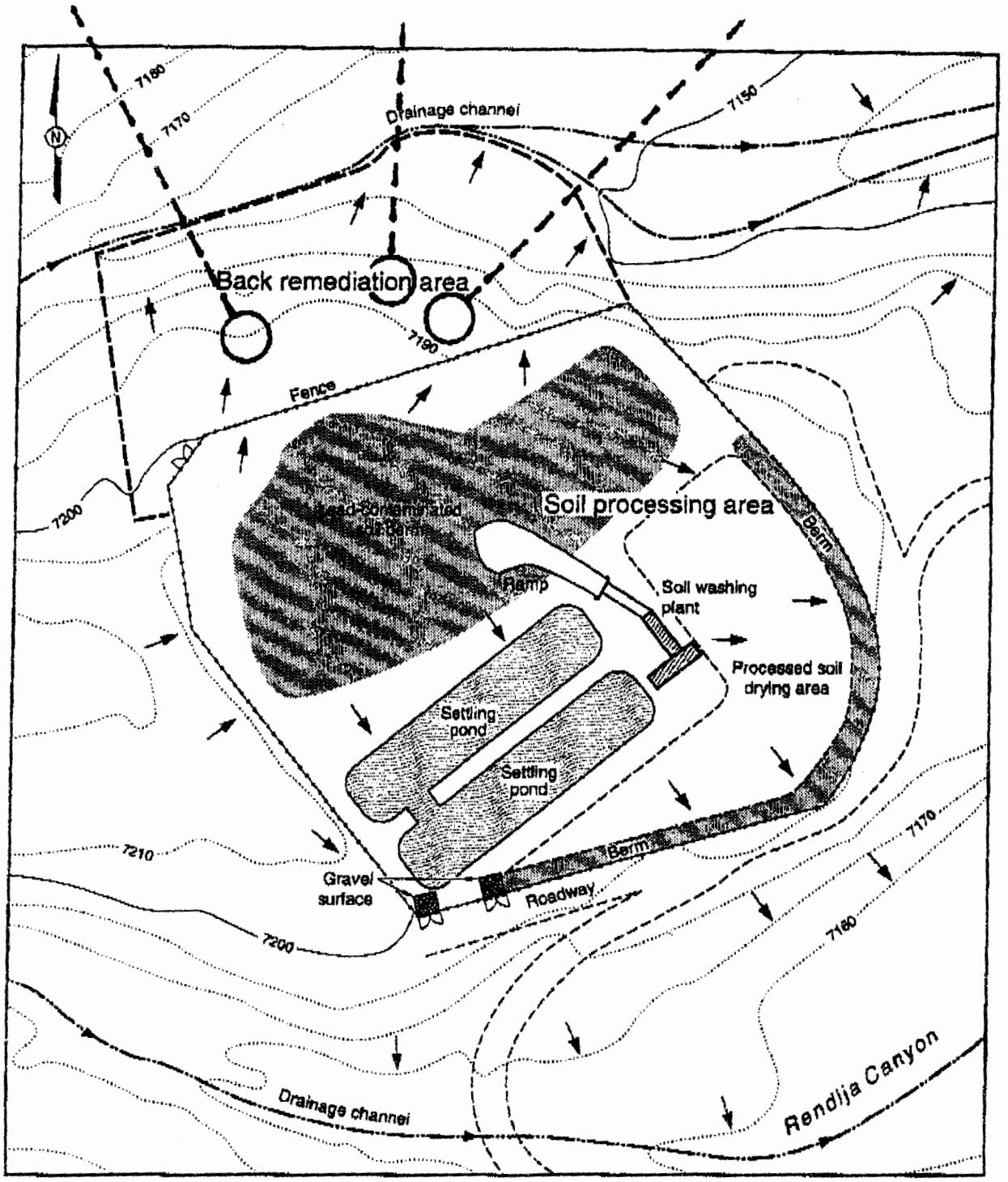
Sample AAA 6677 Sample AAA 6678 Samples AAA 6679; 6680; 6681



→ Arrow indicates direction of surface water flow

○ Approximate Sample Locations

0 100 200 ft

cARTography by A. Kron 10/20/94

Figure **Inactive Firing Range, soil washing site, and back remediation area, SWMU 0-016 (OU 1071)**