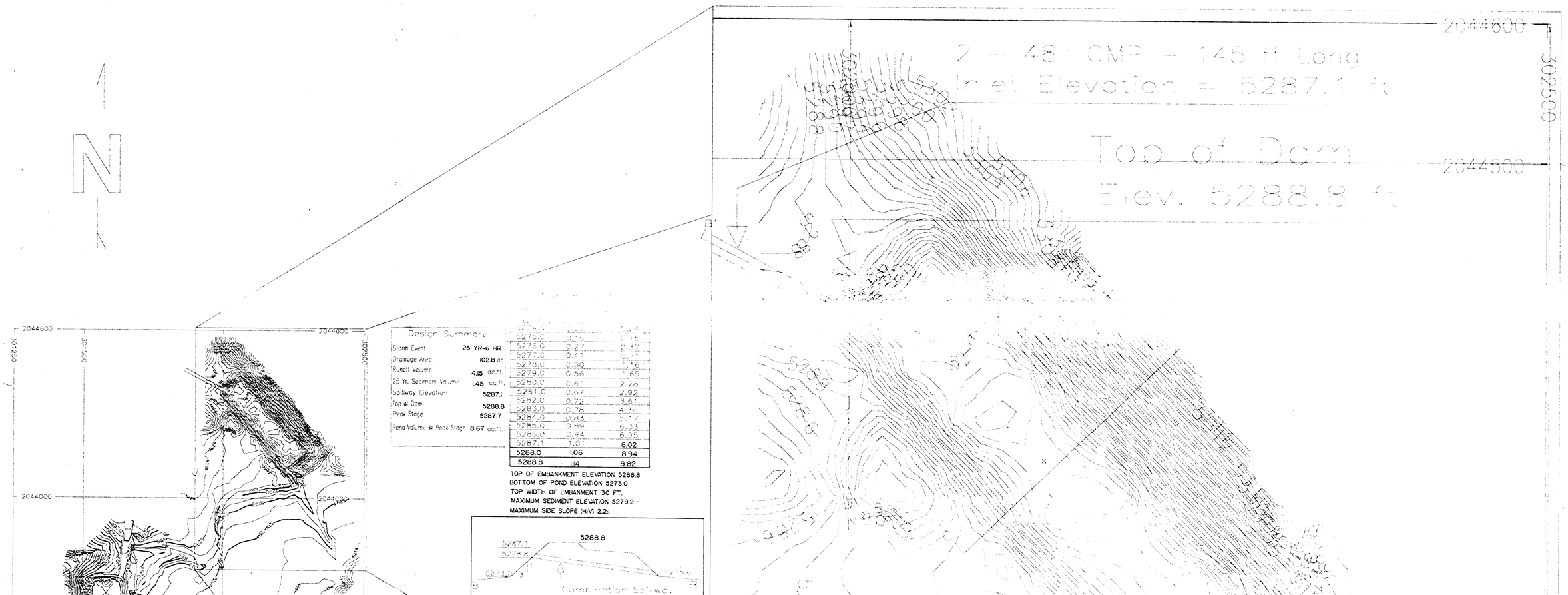
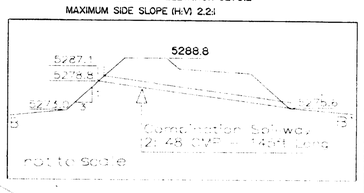


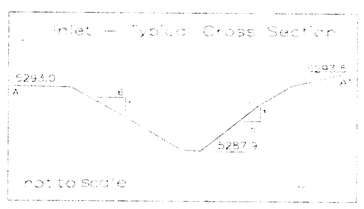
Design Summary

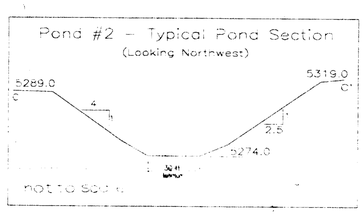
Storm Event	25 YR-6 HR
Drainage Area	102.8 ac
Runoff Volume	4.15 ac.ft.
25 Yr. Sediment Volume	1.45 ac.ft.
Spillway Elevation	5287.1
Top of Dam	5288.8
Peak Stage	5287.7
Pond Volume @ Peak Stage	8.67 ac.ft.

5274.0	0.00	0.00
5275.0	0.18	0.15
5276.0	0.27	0.47
5277.0	0.41	0.71
5278.0	0.50	1.18
5279.0	0.56	1.69
5280.0	0.61	2.26
5281.0	0.67	2.92
5282.0	0.72	3.61
5283.0	0.78	4.36
5284.0	0.83	5.17
5285.0	0.89	5.93
5286.0	0.94	6.95
5287.1	1.01	8.02
5288.0	1.06	8.94
5288.8	1.14	9.82

TOP OF EMBANKMENT ELEVATION 5288.8
BOTTOM OF POND ELEVATION 5273.0
TOP WIDTH OF EMBANMENT 30 FT.
MAXIMUM SEDIMENT ELEVATION 5279.2
MAXIMUM SIDE SLOPE (H:V) 2.2:1







Legend

Area of Detail

Gauge Post

48" CMP Culvert

NOTE:

1. GAUGE POST BASE ELEVATION 5274.9.

2. FOR BLUELINE ELEVATION REFER TO TABLE 11-5D IN THE PAP.

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowlege.

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER 2-3-99

I, RON VANVALKENBURG, HEREBY CERTIFY THAT THE INFORMATION DISPLAYED ON THIS EXHIBIT IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWNLEDGE.

RON C. VAN VALKENBURG NEW MEXICO 6263 REGISTERED PROFESSIONAL ENGINEER

APPROVED MAR 1999

REV. NO.	DATE	DRAFT. BY	DESCRIPTION	ENG.	E.C.	CHIEF ENG.
5	9-14-98	RY	Added Notes 1 and 2.			
4	7-25-94	PJF	UPDATED DESIGN SUMMARY AND STAGE-AREA DATA.			
3	8/24/93	JG	CHANGE EXHIBIT NO. TO 11-43			
2	6-11-93	PJF	ADDED CONTRUCTED APPROVED DRAINAGE SWAGE, DESIGN SUMMARY & CROSS-SECTIONS	LER		REV
1	03/29/91		AS-BUILT SUBMITTAL			

APPROVALS

EXHIBIT 11-43

[illegible] MINERALS INTERNATIONAL INC.
SILVANO [illegible]
[illegible] NEW MEXICO

AS-BUILT
Barber Coal Stockpile
Sedimentation Pond # 2

DRAWN BY JER | SCALE 1" = 200 ft. | C.I. 1.0 ft.
APPROVED BY | DATE 06/11/93
DRAWING NO | LOCATION NO. MF-D2