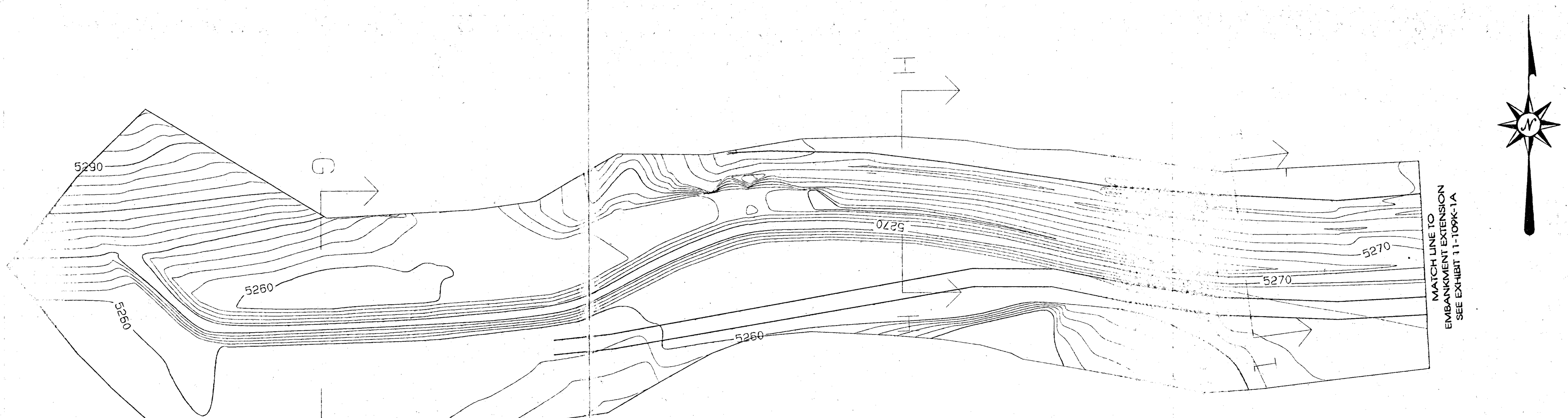
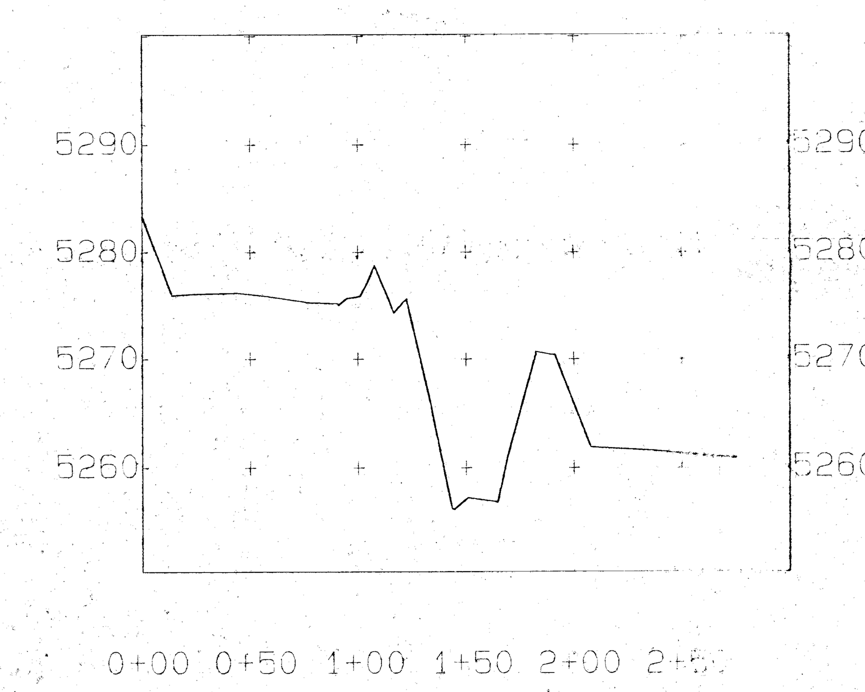
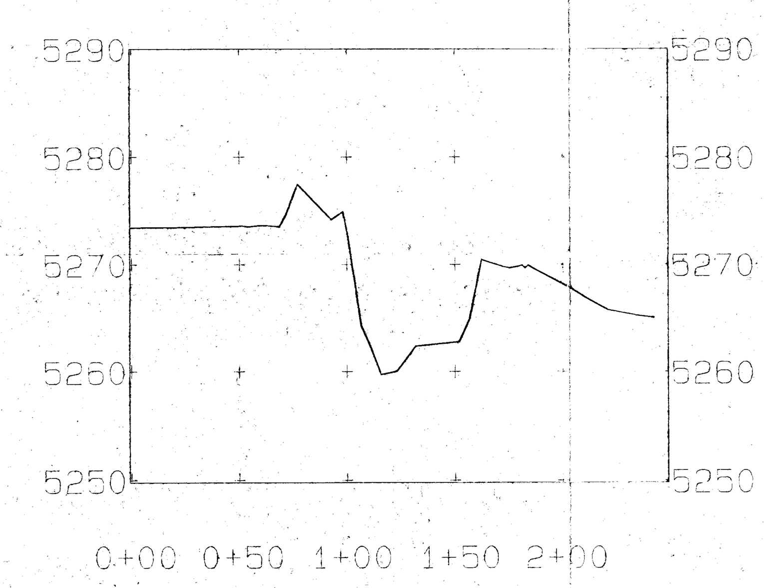


CR POND #4
PLAN VIEW
SCALE: 1" = 100'

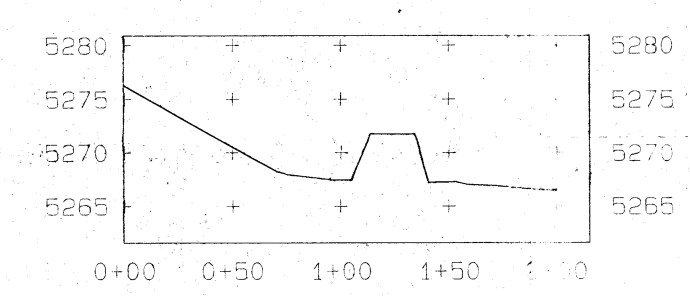
SECTION G-G



SECTION H-H



SECTION I-I



SECTION K-K'
EXHIBIT 11-109-K-1A

LEGEND

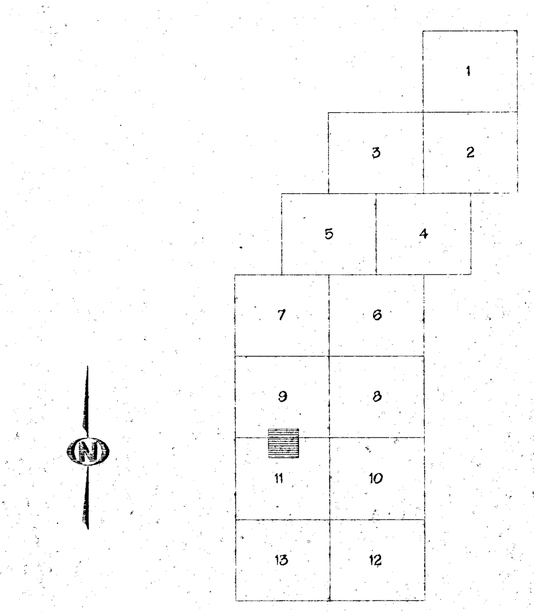
ROAD
5300 INDEX CONTOUR
INTERMEDIATE CONTOUR

STAGE STORAGE DATA COLLYER ROAD POND #4

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5259	0.12	0.00	0.00
5260	0.29	0.21	0.21
5261	0.75	0.52	0.73
5262	0.99	0.87	1.60
5263	1.23	1.11	2.71
5264	1.46	1.35	4.05
5265	1.91	1.68	5.74
5266	2.17	2.04	7.77
5267	2.44	2.30	10.08
5268	2.74	2.59	12.66
5269	3.23	2.98	15.64

NOTES

1. Maximum permissible water elevation can be found in Table 11-5.
2. Hydrology information can be found in Appendix 11-AA
3. ADJUSTMENTS FOR SURVEY CONTROLS:
   a. Orignal as built base on level loop for Collyer Road, which is 0.28 feet below the GPS control data.
   b. Base Elevation of the gauage post is base on GPS survey. Gauage post Base Elevation: 5258.74 (CR#4).
4. Stage storage table for CR#4 represents the worst case conditions. The AOC topo was merged with the impoundment to generate the table, which is not shown on the as-built.



CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this impoundment has been constructed in accordance with the approved design plans and that the information shown is complete and accurate to the best of my knowledge.

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER
1-19-01

FEB 2001 APPROVED

B	1-19-01	PLP	UPDATED TO REFLECT CURRENT CONDITIONS	LR	
A	10/16/96	VAH	SUBMITTED TO OSM		
DATE		DRAFT. BY	REVISION DESCRIPTION	ENG. / E.C. / P.E. / P.S. APPROVALS	

EXHIBIT 11-109K

NAVAJO COAL COMPANY

NAVAJO MINE
SAFETY PAYS
P.O. BOX 155 FRUITLAND NEW MEXICO 87416

AREA III
"AS BUILT"
COLLYER ROAD PONDS

PREPARED BY VAH | DRAWN BY VAH | SCALE AS NOTED
APPROVED BY LR | DATE 10/16/96 | REF DWG EX. 11-13E
PATH: J:\OSM_SUBM\PER_PROG\CH_11\11-109\EXHIBITS\11-1...