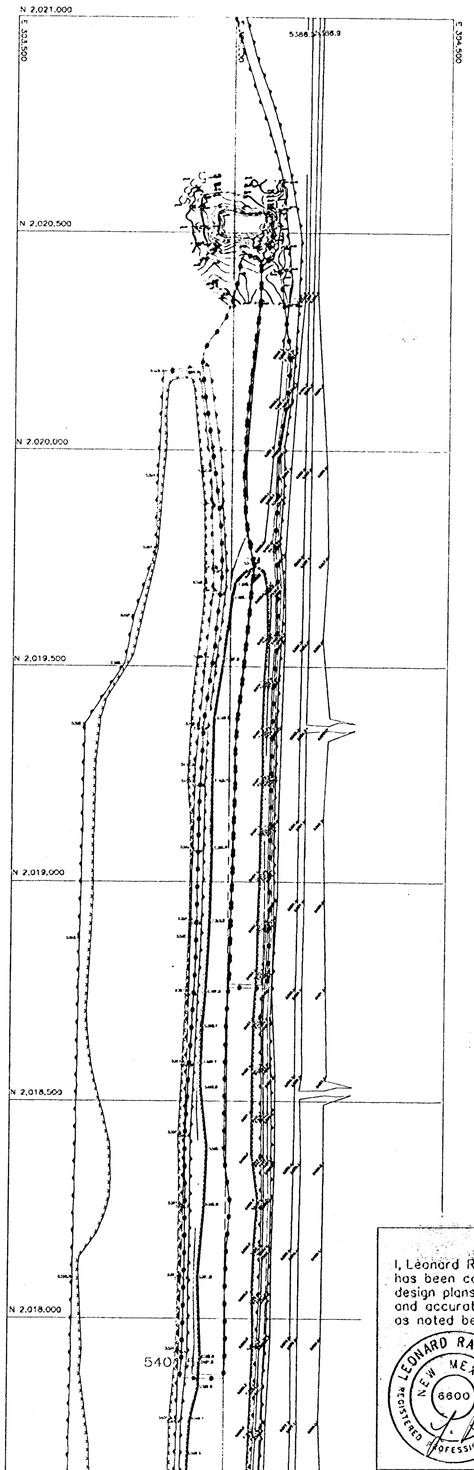
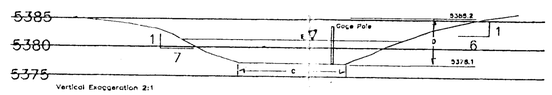
1" = 200'



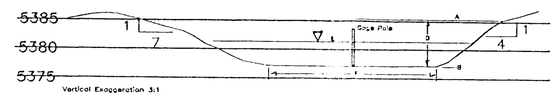
See Exhibit 11-73A for greater detail of flow path.

Cross Section A–A'



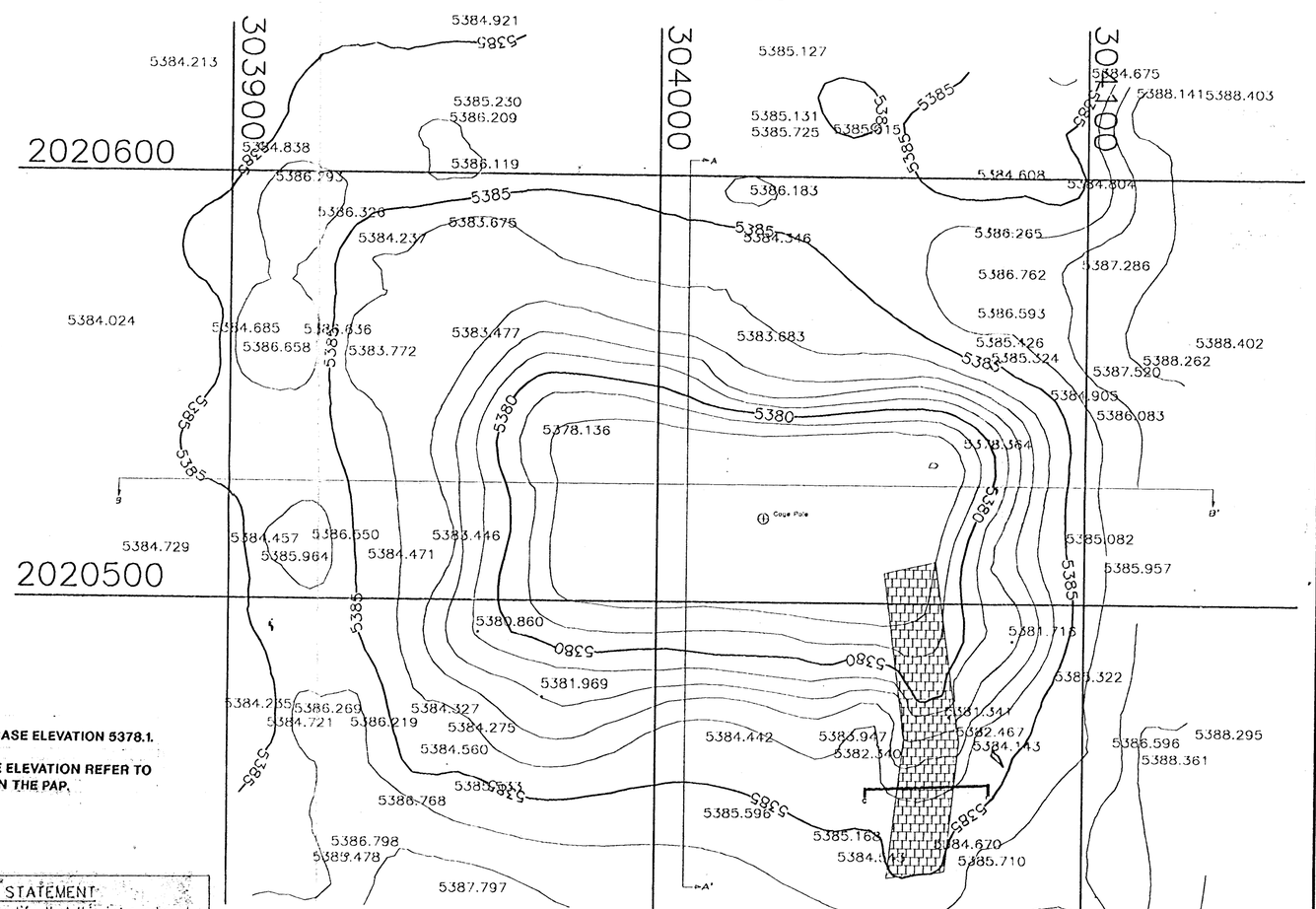
ITEM	DIM.	ELEV./DIM.
Elevation – Top of Pond	A	5385.2'
Elevation – Bottom of Pond	B	5378.1'
Bottom Width	C	41.3
Bottom Length		24.5'
Pond Depth	D	7.1'

Long Section B–B'



ITEM	DIM.	ELEV./DIM.
Elevation – Top of Pond	A	5385.2'
Elevation – Bottom of Pond	B	5378.1'
Bottom Width		41.3
Bottom Length	F	24.5'
Pond Depth	D	7.1'

1" = 20'



NOTES:

1. GAUGE POST BASE ELEVATION 5378.1.
2. FOR BLUELINE ELEVATION REFER TO TABLE 11-50 IN THE PAP.

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, expect as noted below.

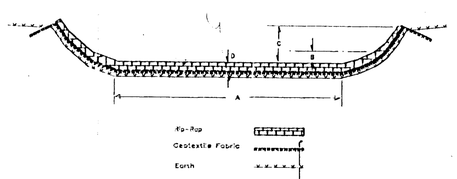
LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER

2-3-99

1. The as-built dimensions (bottom length, bottom width, and depth) are slightly different than those specified in the design plan. As a results the as-built capacity (1.59 ac-ft) is larger and more conservative than the design capacity (1.06 ac-ft).

2. The design called for four inlets into the pond but only one was constructed. The inlet is sufficient to handle the peck discharge from the design storm.

North Pond Inlet – Cross Section C–C'

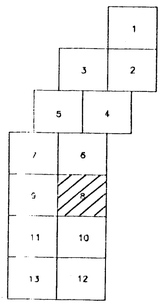


ITEM	DIM.	ELEV./DIM.
Bottom Width	A	14.8'
Flow Depth	B	0.2'
Flow Depth plus Freeboard	C	1.2'
Rip-Rap Thickness	D	0.5'
Rip-Rap D50 Size		6 in

LEGEND

- FLAT-TOPPED BERMS
- PEAKED BERMS
- CHANNEL
- SPOIL OUTLINE
- TOPSOIL
- WATERSHED BOUNDARY
- 5500 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- DRAINAGE
- X 5338.5 SPOT ELEVATION
- RIP-RAP
- GAGE POST

CONTOUR INTERVAL: 1.0'



LOWE-DIXON DIVERSION NORTH POND DATA

ELEVATION	VOLUME	AREA	DEPTH
5378.0	0.0	0.09	0.0
5379.0	0.11	0.12	1.0
5380.0	0.24	0.15	2.0
5381.0	0.41	0.18	3.0
5382.0	0.61	0.22	4.0
5383.0	0.85	0.27	5.0
5384.0	1.17	0.36	6.0
5385.0	1.59	0.49	7.0

APPROVED MAR 1999

REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 11324 STEVEN L. ANDERSON

BHP Minerals

NAVAJO MINE
FRUITLAND, NEW MEXICO

"AS-BUILT"
LOWE-DIXON DIVERSION
NORTH POND

DRAWN BY JPD	SCALE 1"=200' / 1"=20'
APPROVED BY	DATE 12/28/94
DRAWING NO	LOCATION NO MF-03

EXHIBIT
11-73B