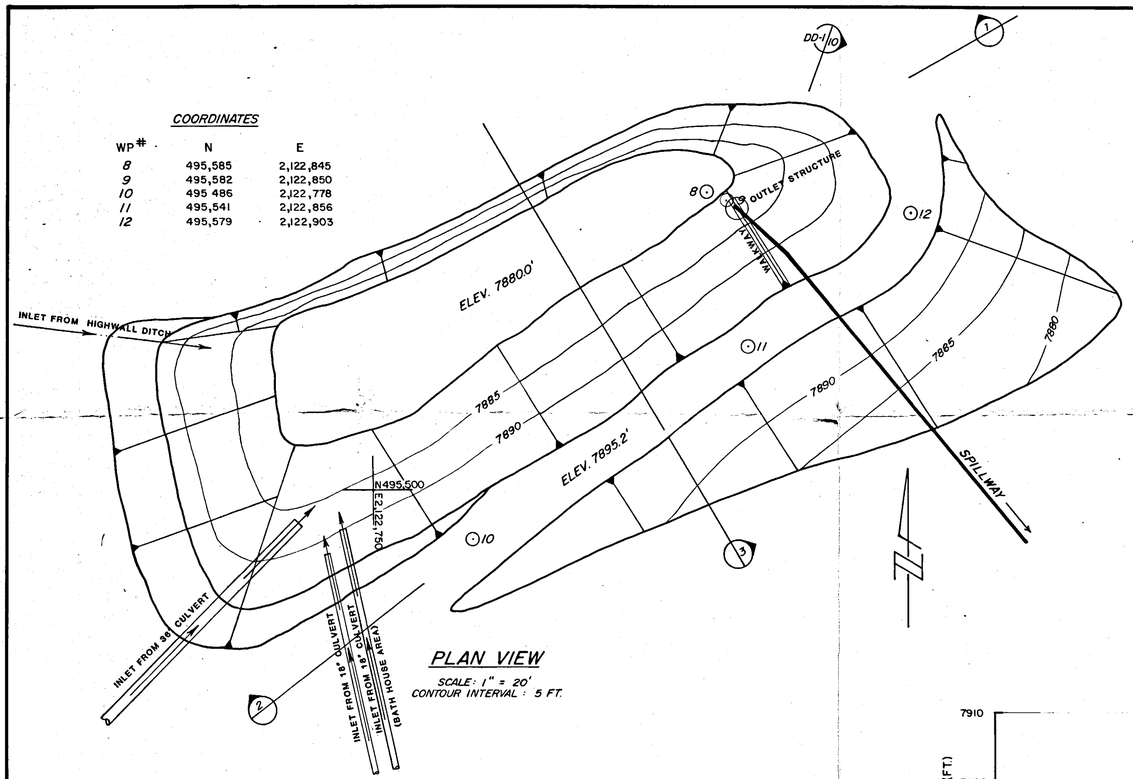
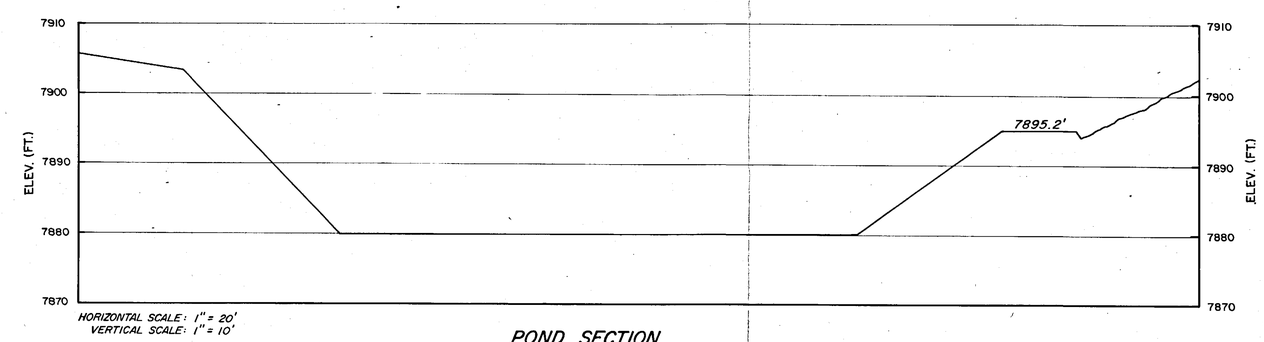
COORDINATES

WP #	N	E
8	495,585	2,122,845
9	495,582	2,122,850
10	495 486	2,122,778
11	495,541	2,122,856
12	495,579	2,122,903



PLAN VIEW

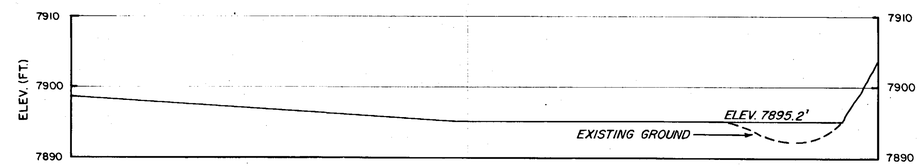
SCALE: 1" = 20'
CONTOUR INTERVAL : 5 FT.



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

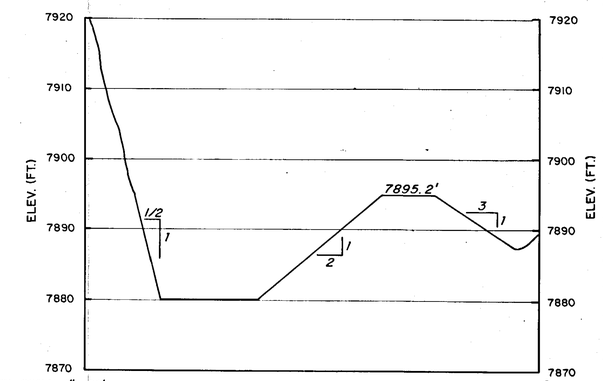
POND SECTION

1



SECTION ALONG CENTERLINE OF EMBANKMENT

2



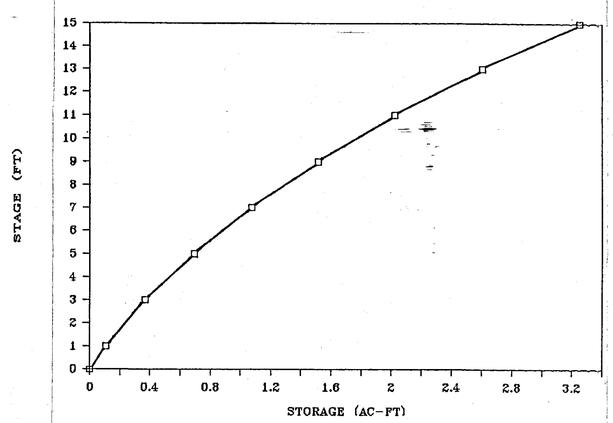
HORTIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

SECTION OF EMBANKMENT

3

Design Water Volume	2.38 Ac-Ft
Design Sediment Volume	0.36 Ac-Ft
Total Design Volume	2.74 Ac-Ft
Elevation Crest of Embankment	
Design	7895.0 Ft
Constructed	7895.2 Ft
Elevation, 25-year, 24-hour flow	7894.0 Ft
Freeboard	1.0 Ft
Elevation, 25-year, 24-hour Spillway Crest	7893.5 Ft
Elevation, 10-year, 24-hour Spillway Crest	7883.0 Ft
Elevation, Design Water Volume	7893.5 Ft
Elevation, Design Sediment Volume	7883.0 Ft
Peak Flow, 25-year, 24-hour Event	24.1 cfs
Peak Flow, 10-year, 24-hour Event	13.7 cfs

DESIGN SUMMARY



STAGE-STORAGE CURVE

BEAVER CREEK COAL COMPANY
POND 2

ELEV.	AREA (Acres)	AVG. AREA (Acres)	DEPTH (Ft.)	VOLUME (Ac-Ft)	ACCUM. VOLM. (Ac-Ft.)
				0.00	0.00
7880	0.10				
		0.11	1.00	0.11	0.11
7881	0.12				
		0.13	2.00	0.26	0.37
7883	0.15				
		0.16	2.00	0.32	0.69
7885	0.18				
		0.19	2.00	0.38	1.07
7887	0.21				
		0.22	2.00	0.44	1.51
7889	0.24				
		0.25	2.00	0.51	2.02
7891	0.27				
		0.29	2.00	0.58	2.60
7893	0.31				
		0.33	2.00	0.65	3.25
7895	0.34				

STORAGE-CAPACITY TABLE

AMENDMENT TO
APPROVED Mining & Reclamation Plan
Approved, Division of Oil, Gas & Mining
by _____ date 10/4/90

RECEIVED
OCT 01 1990
DIVISION OF
OIL, GAS & MINING

5/31/86
9/28/90

REV. 9-28-90

BEAVER CREEK COAL COMPANY

POND No. 2 DESIGN
(AS-CONSTRUCTED)

Scale:	Date:	Design By:	Drawn By:
AS NOTED	JUNE 1985	CHP	KRL

ACZ INC.
ENGINEERING AND ENVIRONMENTAL DIVISION
STEAMBOAT SPRINGS, CO 80477

Drawing Number: 7-8

new map replaced 12-11-91