

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6572.8	0.00	0.00	0.00	0.00	Bottom of Pond
6575.0	2.2	0.60	0.66	0.66	
6577.5	4.7	1.54	2.68	3.33	Incised Elevation
6580.0	7.2	2.47	5.01	8.35	
6584.3	11.5	3.30	12.41	20.75	Emergency Spillway
6585.0	12.2	3.44	2.36	23.11	
6590.0	17.2	4.34	19.45	42.56	
6595.0	22.2	5.72	25.15	67.71	
6596.8	24.0	6.62	11.11	78.82	Top of Embankment

PLAN VIEW
 SCALE: 1" = 100'
 SURVEY DATE: 09-19-01



I certify these facilities were constructed as designed and approved in the mining permit and that the information contained herein is accurate to the best of my knowledge and belief.

SEP 24 2001
 Date

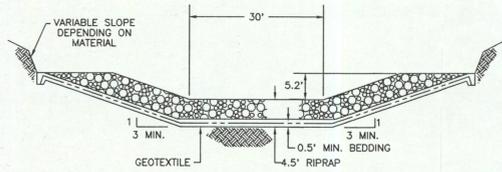
N12-C POND
 AS-BUILT

BLACK MESA
 PEABODY WESTERN COAL CO.

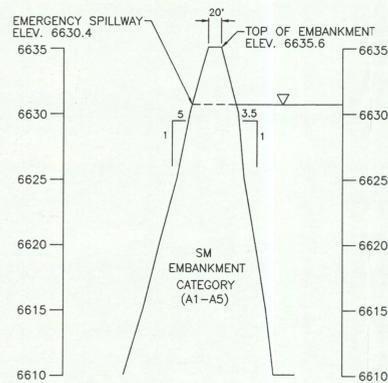
DESIGNED BY: PWCC SCALE: 1"=100'
 DRAWN BY: PWCC DRAWING DATE: 09-19-01
 CHECKED BY: R.L. SURVEY DATE: 09-19-01
 CONTOUR INTERVAL: 5'

N12 - C1

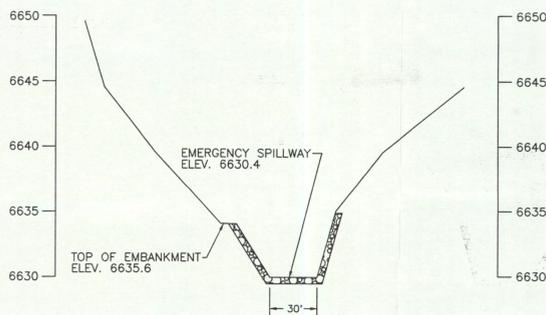
Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6610.5	0.00	0.00	0.00	0.00	BOTTOM OF POND
6610.9	0.40	0.25	0.05	0.05	
6615.0	4.50	0.50	1.54	1.59	
6620.0	9.50	0.80	3.25	4.84	
6625.0	14.50	1.25	5.13	9.96	
6630.0	19.50	1.82	7.68	17.64	
6630.4	19.90	1.87	0.74	18.38	EMERGENCY SPILLWAY
6635.0	24.50	2.50	10.05	28.43	
6635.6	25.10	2.74	1.57	30.00	TOP OF EMBANKMENT



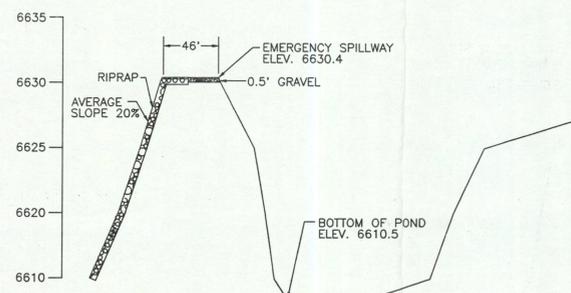
SECTION OF EMERGENCY SPILLWAY
NOT TO SCALE
N12-C1 POND



SECTION C-C'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=100'



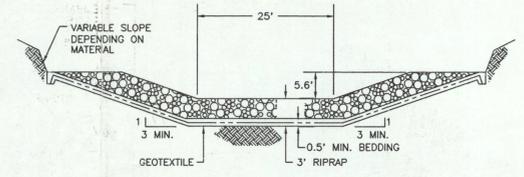
SECTION B-B'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=50'



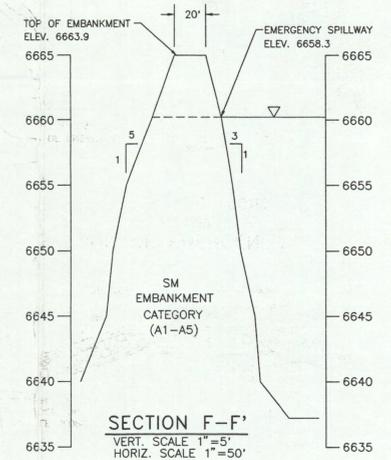
SECTION A-A'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=50'

N12 - C2

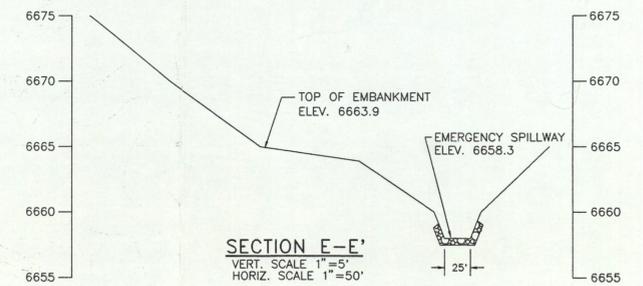
Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6638.4	0.00	0.0	0.00	0.00	BOTTOM OF POND
6640.0	1.60	0.44	0.35	0.35	
6645.0	6.60	0.69	2.83	3.18	
6650.0	11.60	0.96	4.13	7.30	
6655.0	16.60	1.47	6.08	13.38	
6658.3	19.90	1.91	5.58	18.95	EMERGENCY SPILLWAY
6660.0	21.60	2.13	3.43	22.39	
6663.9	25.50	2.78	9.57	31.96	TOP OF EMBANKMENT



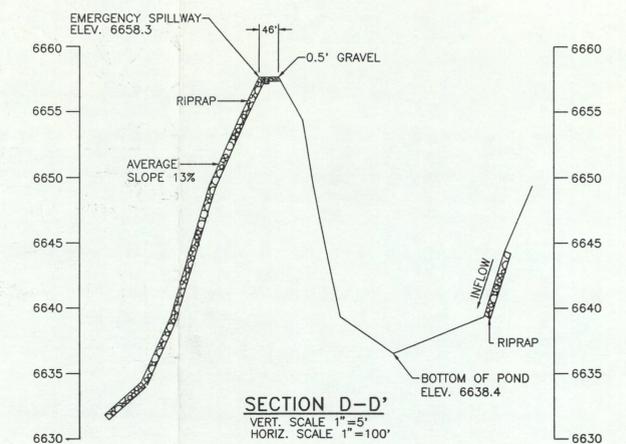
SECTION OF EMERGENCY SPILLWAY
NOT TO SCALE
N12-C2 POND



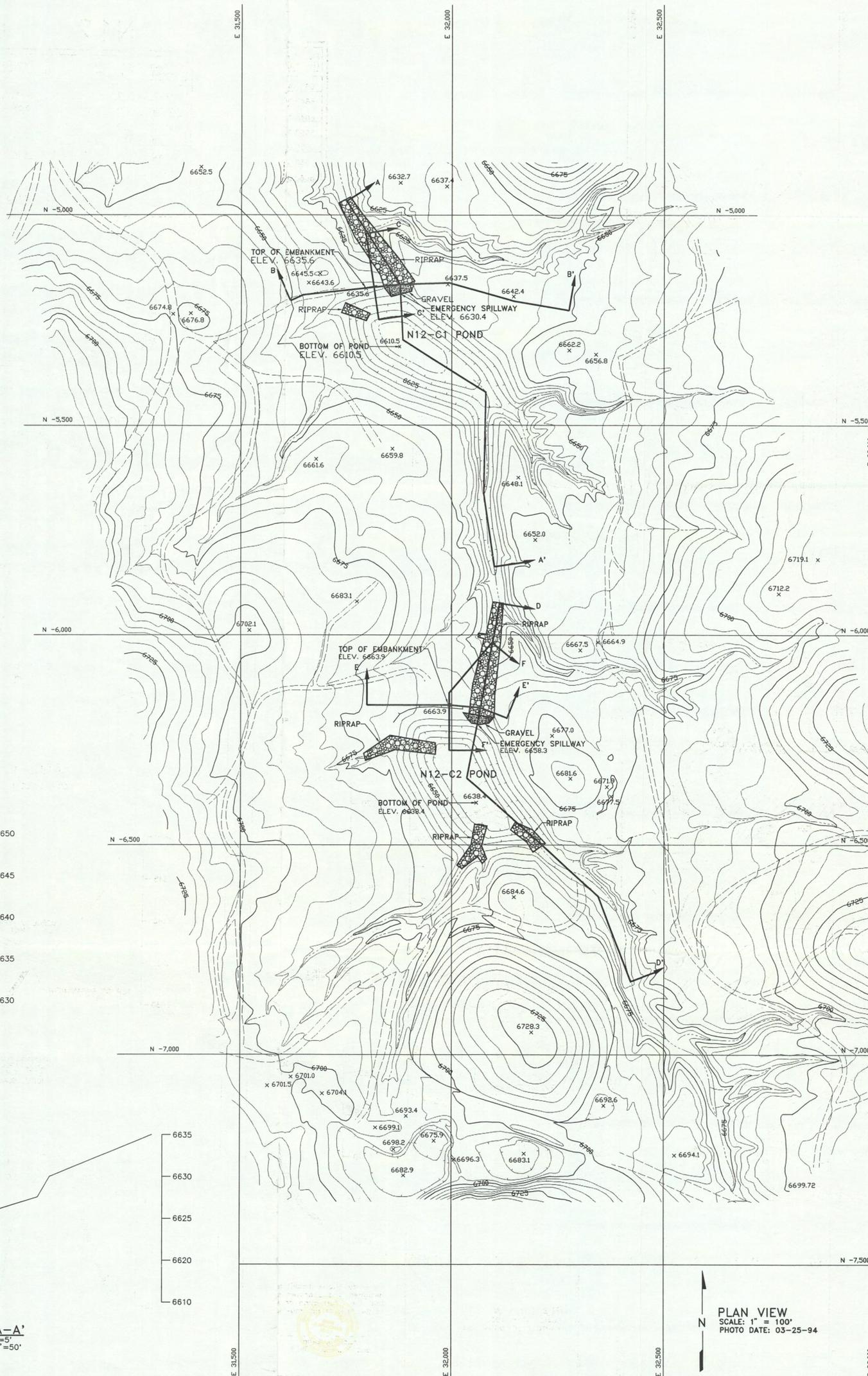
SECTION F-F'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=50'



SECTION E-E'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=50'



SECTION D-D'
VERT. SCALE 1"=5'
HORIZ. SCALE 1"=100'



PLAN VIEW
SCALE: 1" = 100'
PHOTO DATE: 03-25-94

I certify these facilities were constructed as designed and approved in the mining permit and that the information contained herein is accurate to the best of my knowledge and belief.

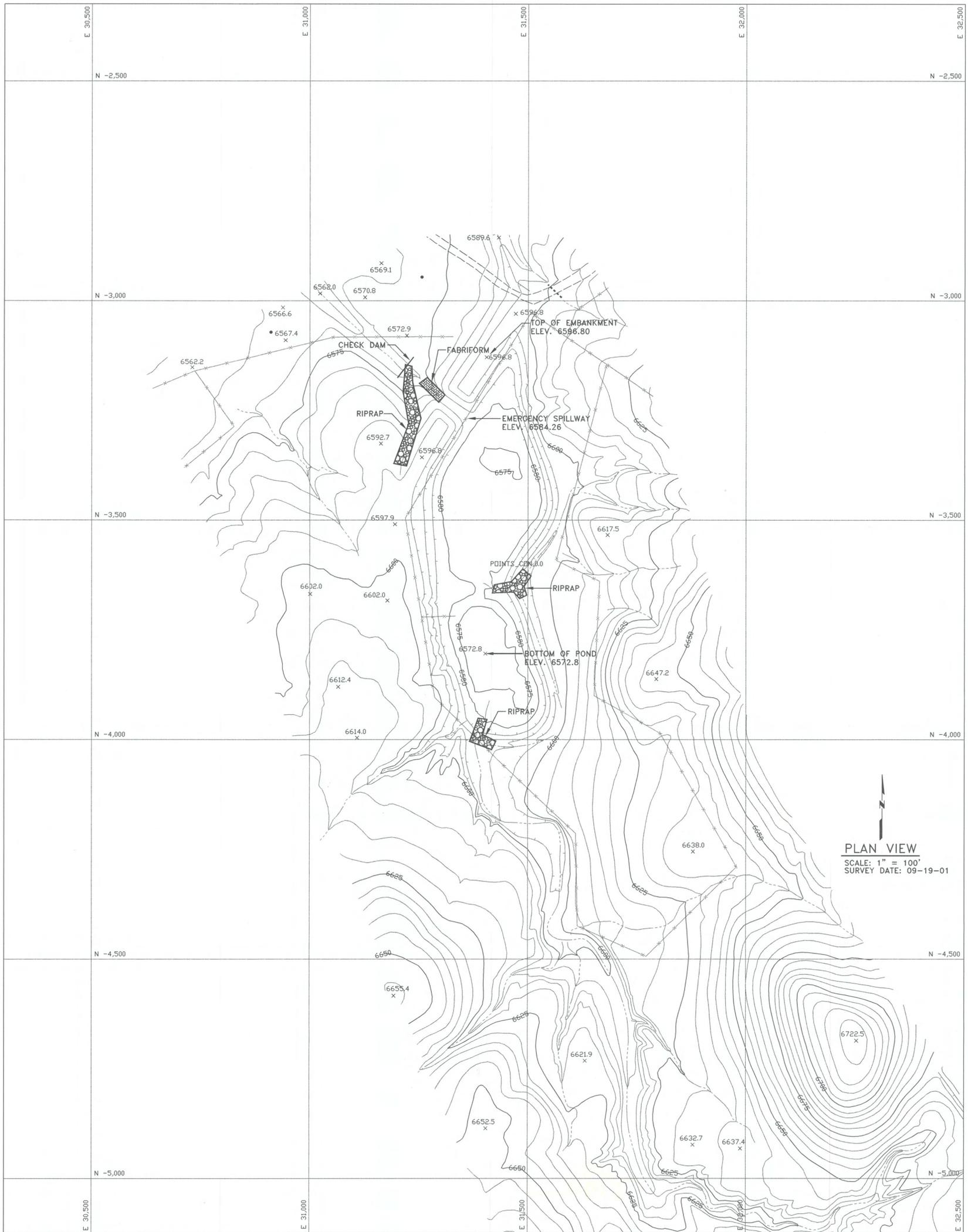
Randolph S. Smith
Arizona P.E. No. 18858

JUL 12 1994
Date

N12-C1,C2 PONDS (AS BUILT)

BLACK MESA MINE

PEABODY WESTERN COAL CO. 1300 S. YALE FLAGSTAFF, AZ. 86001
 DESIGNED BY: PWCC SCALE: AS SHOWN
 DRAWN BY: RTG DRAWING DATE: 6-20-94
 CHECKED BY: RL PHOTO DATE: 3-25-94
 CONTOUR INTERVAL: 5'



Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6572.8	0.00	0.00	0.00	0.00	Bottom of Pond
6575.0	2.2	0.60	0.66	0.66	
6577.5	4.7	1.54	2.68	3.33	Incised Elevation
6580.0	7.2	2.47	5.01	8.35	
6584.3	11.5	3.30	12.41	20.75	Emergency Spillway
6585.0	12.2	3.44	2.36	23.11	
6590.0	17.2	4.34	19.45	42.56	
6595.0	22.2	5.72	25.15	67.71	
6596.8	24.0	6.62	11.11	78.82	Top of Embankment



I certify these facilities were constructed as designed and approved in the mining permit and that the information contained herein is accurate to the best of my knowledge and belief.

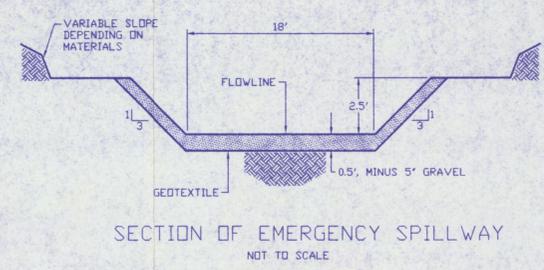
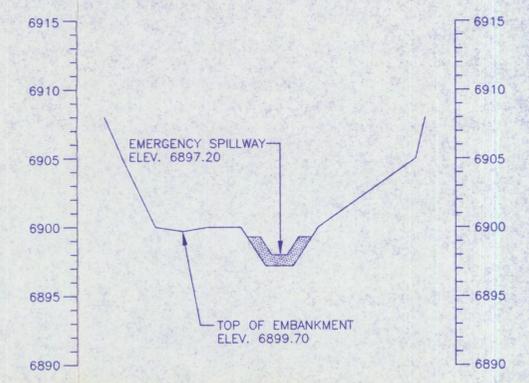
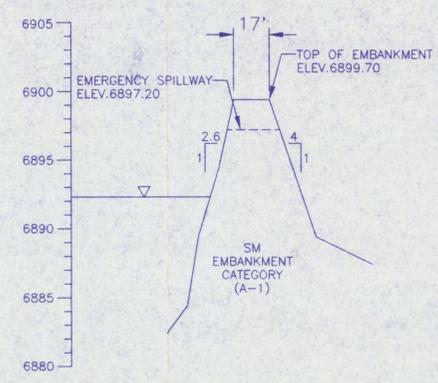
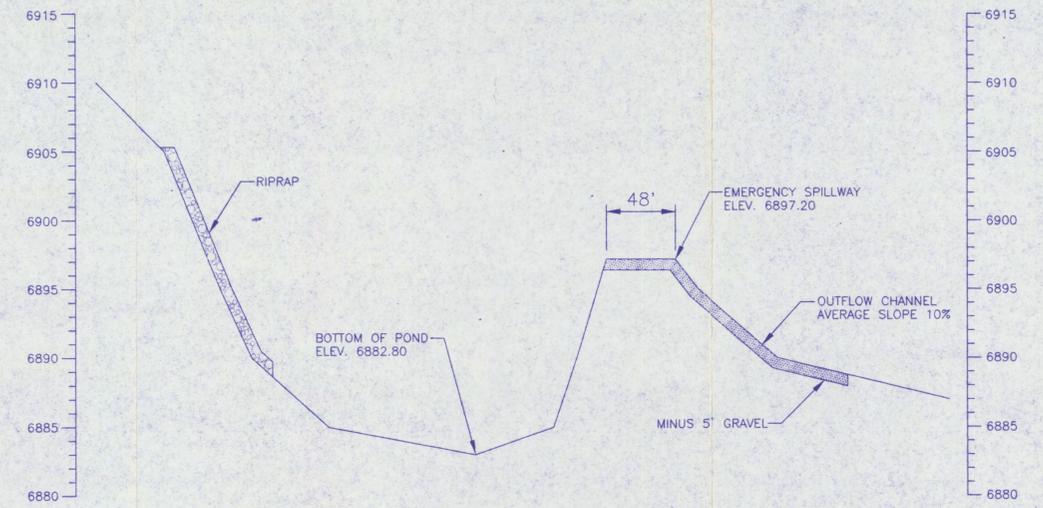
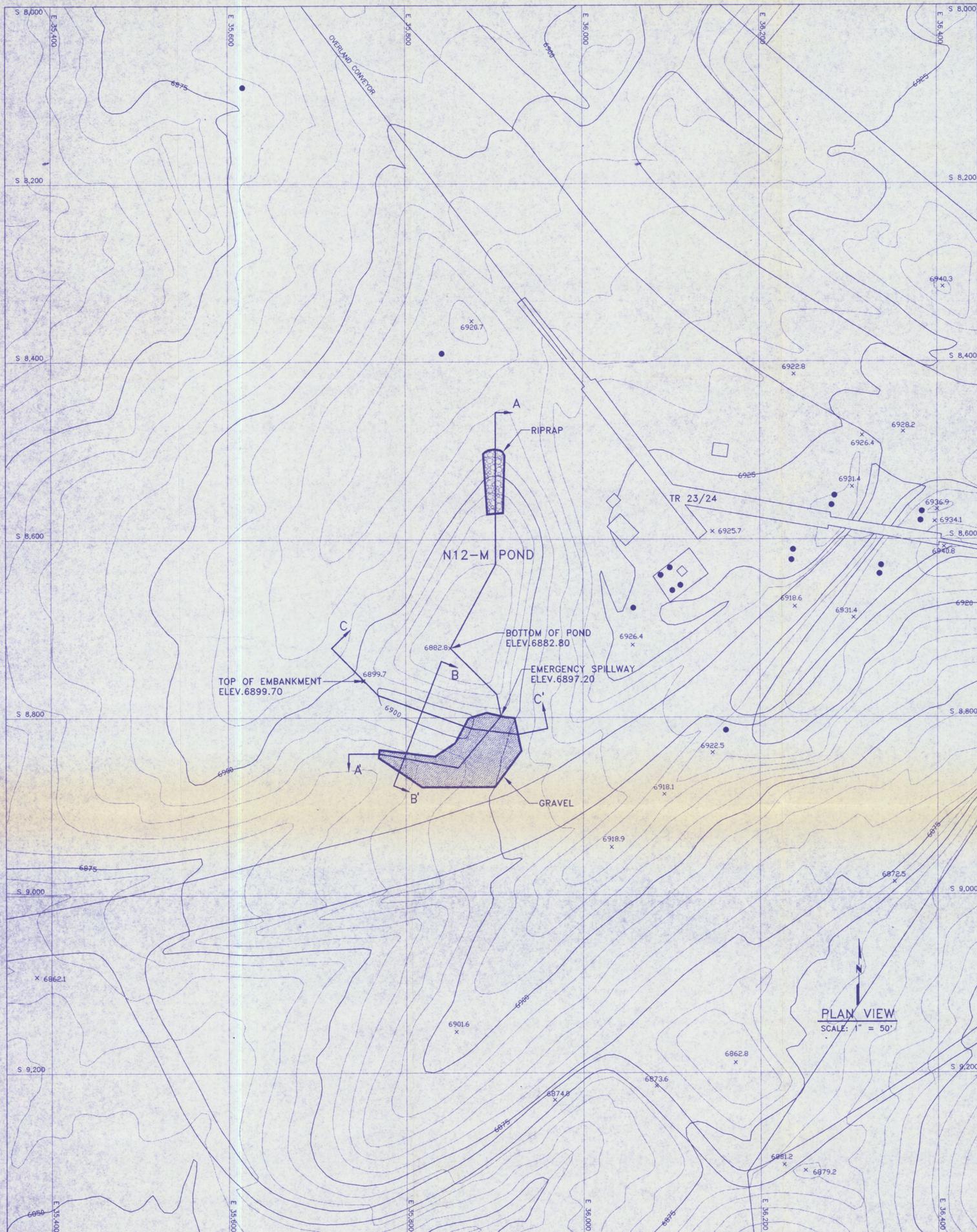


SEP 24 2001

Date

N12-C POND
AS-BUILT

BLACK MESA
PEABODY WESTERN COAL CO.
DESIGNED BY: PWCC SCALE: 1"=100'
DRAWN BY: PWCC DRAWING DATE: 09-19-01
CHECKED BY: R.L. SURVEY DATE: 09-19-01
CONTOUR INTERVAL: 5'



N12-M POND STAGE CAPACITY TABLE

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6882.80	0.00	0.00	0.00	0.00	Bottom of Pond
6885.00	2.20	0.26	0.29	0.29	
6890.00	7.20	0.43	1.73	2.02	
6895.00	12.20	0.60	2.58	4.60	
6897.20	14.40	0.71	1.44	6.04	Emergency Spillway
6899.70	16.90	0.84	1.94	7.98	Top of Embankment

I certify these facilities were constructed as designed and approved in the mining permit and that the information contained herein is accurate to the best of my knowledge and belief.

SEP 23 1994
Date

N12-M POND
(AS BUILT)

BLACK MESA
PEABODY COAL CO. 1300 S. YALE FLAGSTAFF, AZ 86001
DESIGNED BY: P.W.C.C. SCALE: 1" = 50'
DRAWN BY: E.F.D. DRAWING DATE: 07-18-94
CHECKED BY: W.K.W./R.S.L.
CONTOUR INTERVAL: 5'

