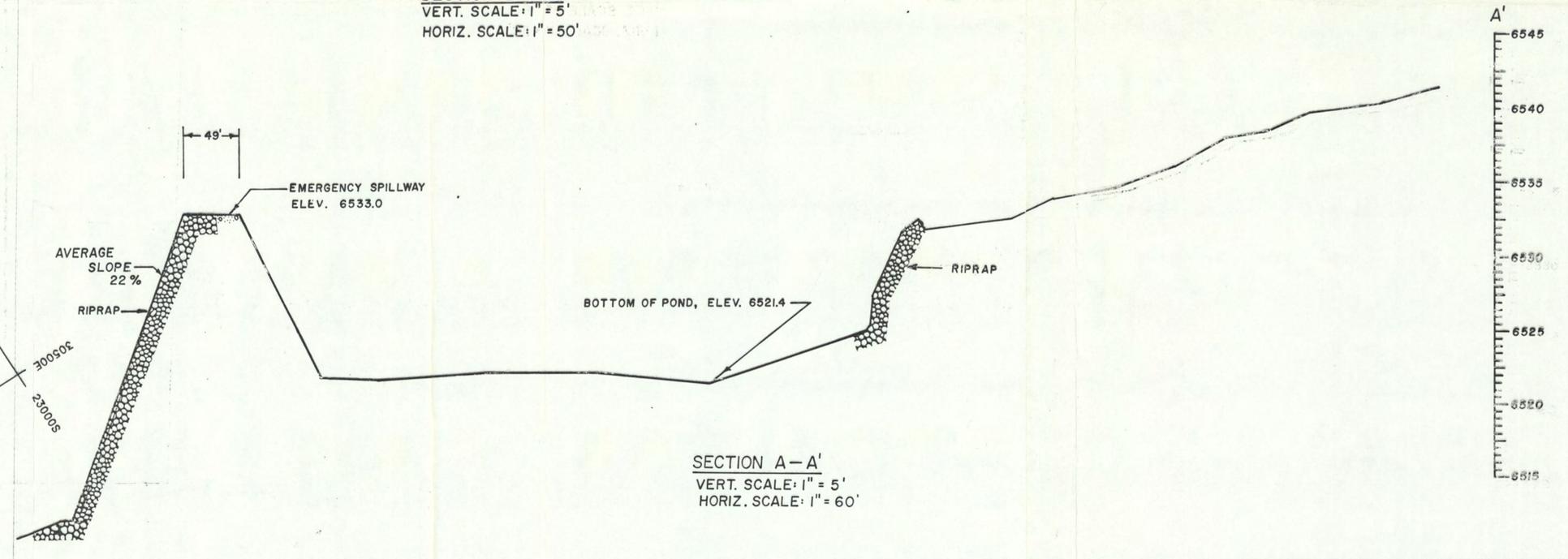
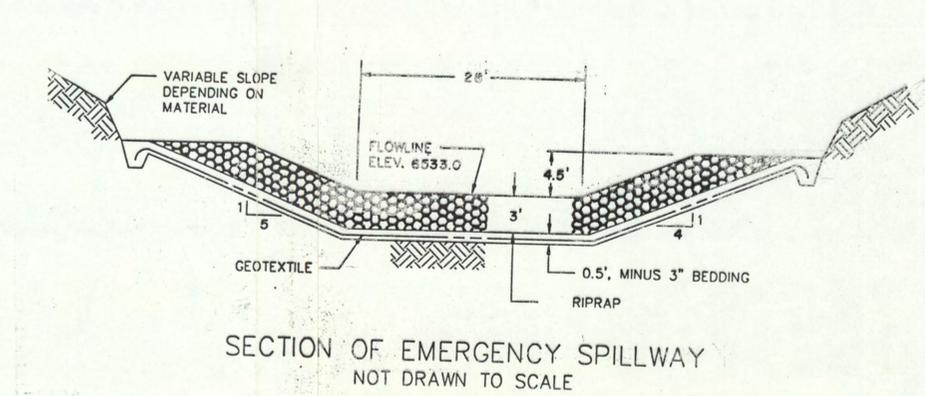


J3-E Pond Data

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6521.4	0.0	0.000	0.00	0.00	Bottom of Pond
6522.0	0.6	0.84	0.25	0.25	
6524.0	2.6	1.28	2.12	2.37	
6526.0	4.6	1.51	2.79	3.16	
6528.0	6.6	1.72	3.23	8.39	
6530.0	8.6	2.11	3.83	12.22	
6532.0	10.6	2.52	4.63	16.85	
6533.0	11.6	2.74	2.63	19.48	Emergency Spillway
6534.0	12.6	2.96	2.85	22.33	
6536.0	14.6	3.51	6.47	28.80	
6537.5	16.1	4.16	5.75	34.55	Top of Dam



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

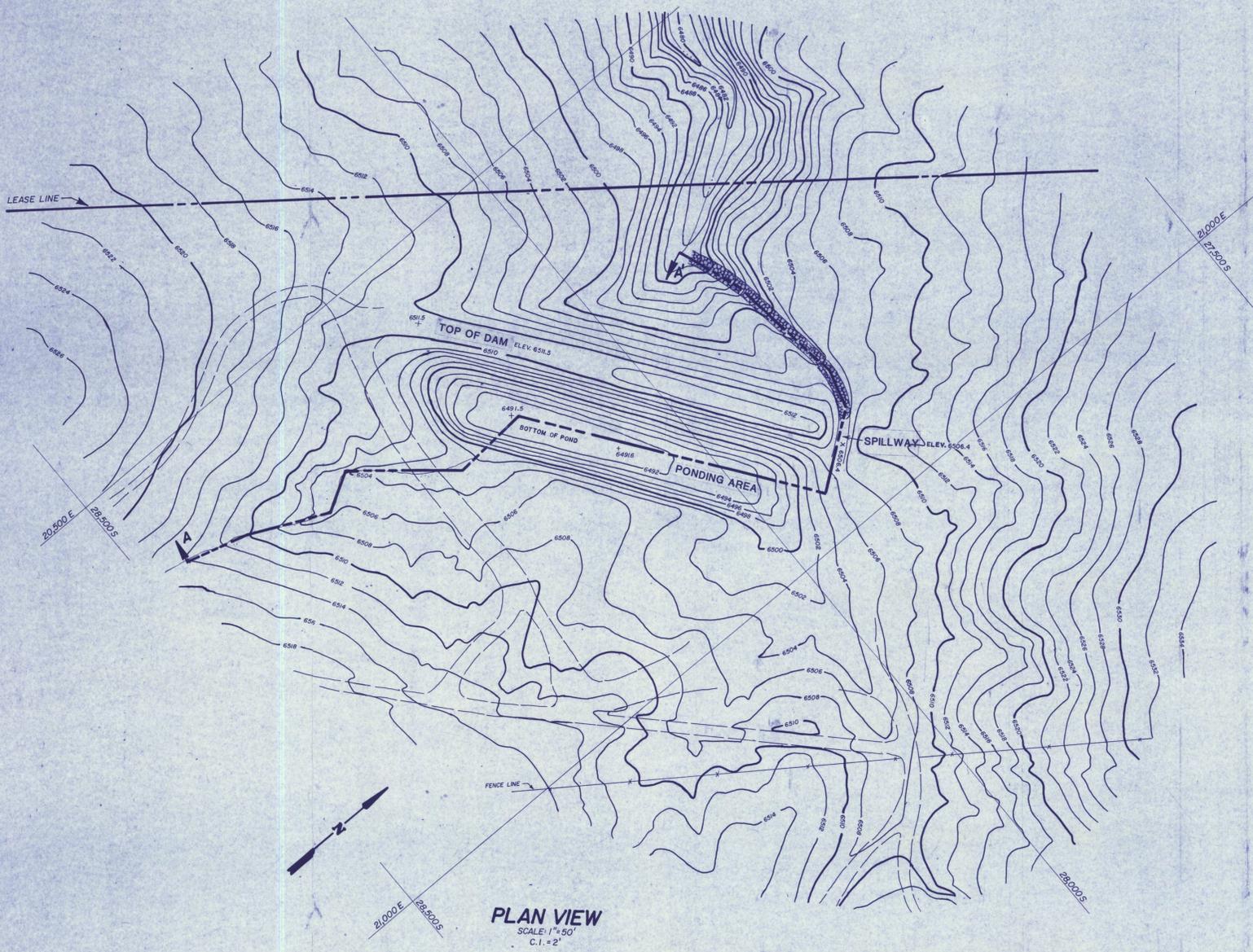
Buck J. Woodward
Professional Engineer
No. 23748
Arizona, U.S.A.

Date: 3-5-91

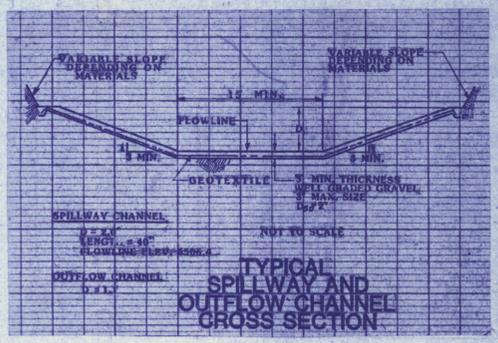
PEABODY COAL COMPANY
BLACK MESA -- KAYENTA MINE
1300 SOUTH YALE FLAGSTAFF, ARIZONA 86001

J3 - E POND (REMEDIAL)
AS BUILT

SCALE: AS SHOWN	DRAWN BY: WKW
DATE: 01/10/91	DRAWING NO.:
REVISION:	APPROVED BY: BRW



PLAN VIEW
SCALE: 1" = 50'
C.I. = 2'

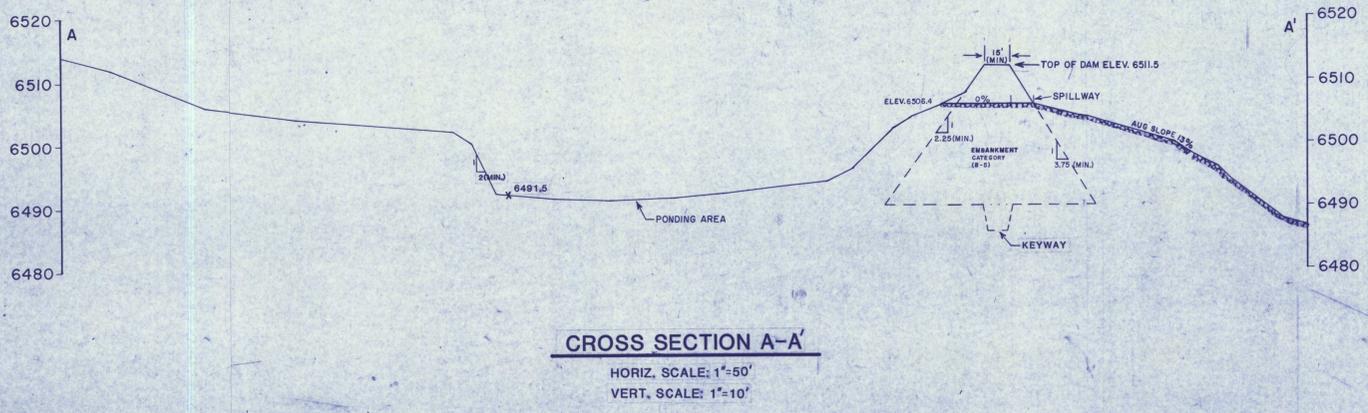


J8-F ASBUILT

ELEVATION (FT. -MILL)	STAGE (FT.)	AREA (ACRES)	CAP. (AC.-FT.)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6491.50	0.00	0.00	0.00	0.00	BOTTOM OF POND
6492.00	0.50	0.14	0.04	0.04	
6494.00	2.50	0.28	0.42	0.46	
6496.00	4.50	0.38	0.66	1.12	
6498.00	6.50	0.48	0.86	1.98	
6500.00	8.50	0.59	1.07	3.05	
6502.00	10.50	0.83	1.42	4.47	
6504.00	12.50	1.34	2.17	6.64	
6506.00	14.50	2.07	3.41	10.05	
6506.40	14.90	2.25	0.86	10.91	EMERGENCY SPILLWAY
6508.00	16.50	3.05	4.24	15.15	
6510.00	18.50	4.25	7.30	22.45	
6511.50	20.00	5.10	7.01	29.46	TOP OF EMBANKMENT

I certify this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

Arizona P.E. #18782
Date: SEP 14 1987



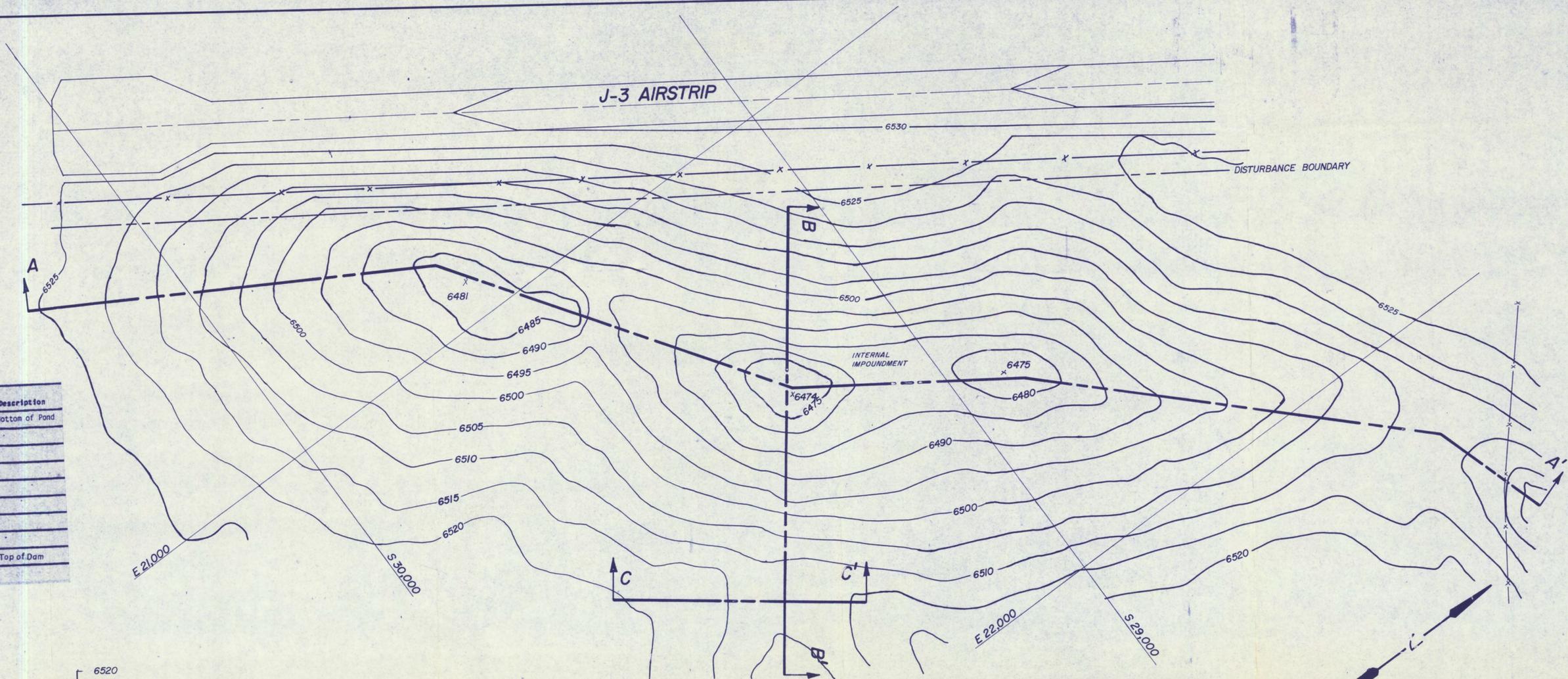
CROSS SECTION A-A'
HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 10'

PEABODY COAL COMPANY
BLACK MESA-KAYENTA MINE
P.O. BOX 625
KAYENTA, ARIZONA 86033

J8-F SEDIMENTATION POND
(AS-BUILT)

PHOTO DATE: 9/01/86

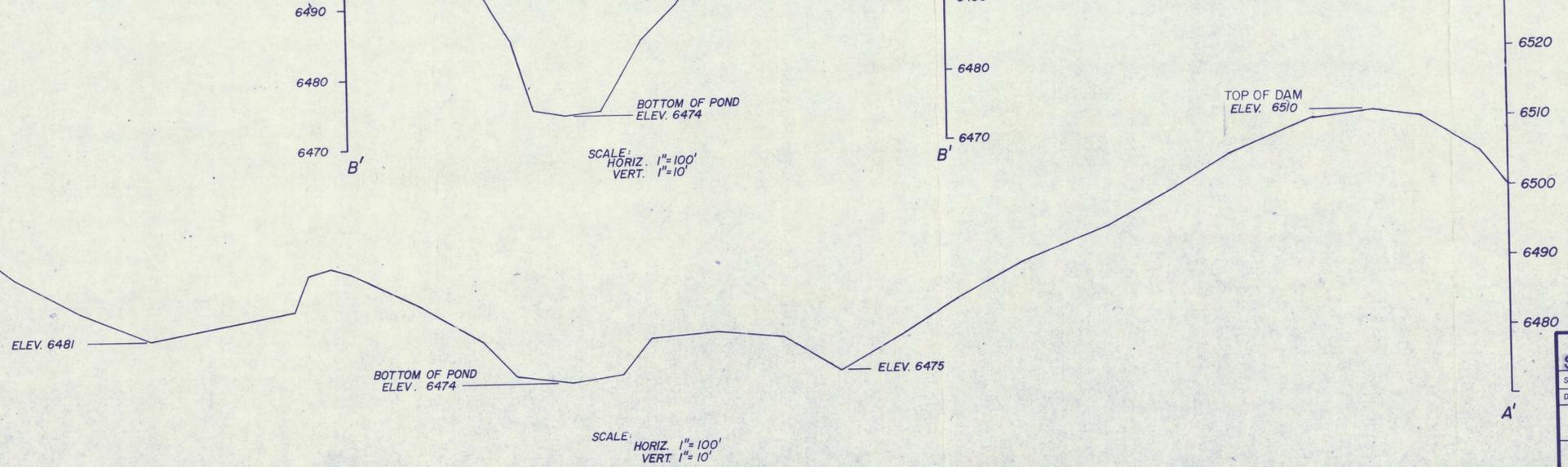
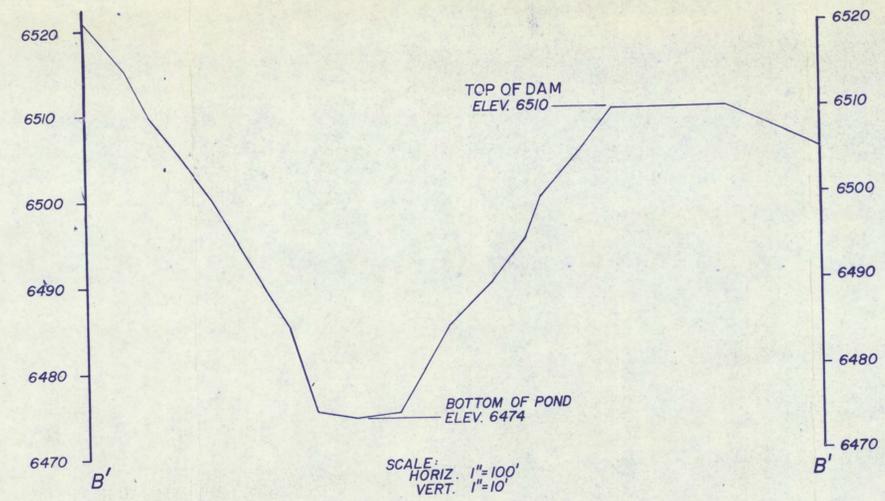
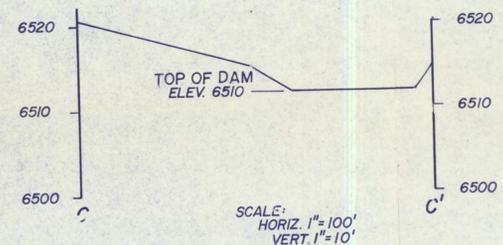
Elevation (ft.-msl)	Stage (ft.)	Area (Acres)	Capacity (Ac.-ft.)	Total Capacity (Ac.-ft.)	Description
6473	0	0	0	0	Bottom of Pond
6475	2	0.25	0.25	0.25	
6480	7	0.87	2.80	3.05	
6485	12	3.19	10.15	13.20	
6490	17	6.00	22.98	36.18	
6495	22	9.31	38.28	74.46	
6500	27	13.20	56.28	130.74	
6505	32	17.61	77.02	207.76	
6510	37	22.34	99.88	307.64	Top of Dam



PLAN VIEW

SCALE: 1"=100'

* Contours from 5-12-83 photo & 6-30-89 field survey



I certify this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

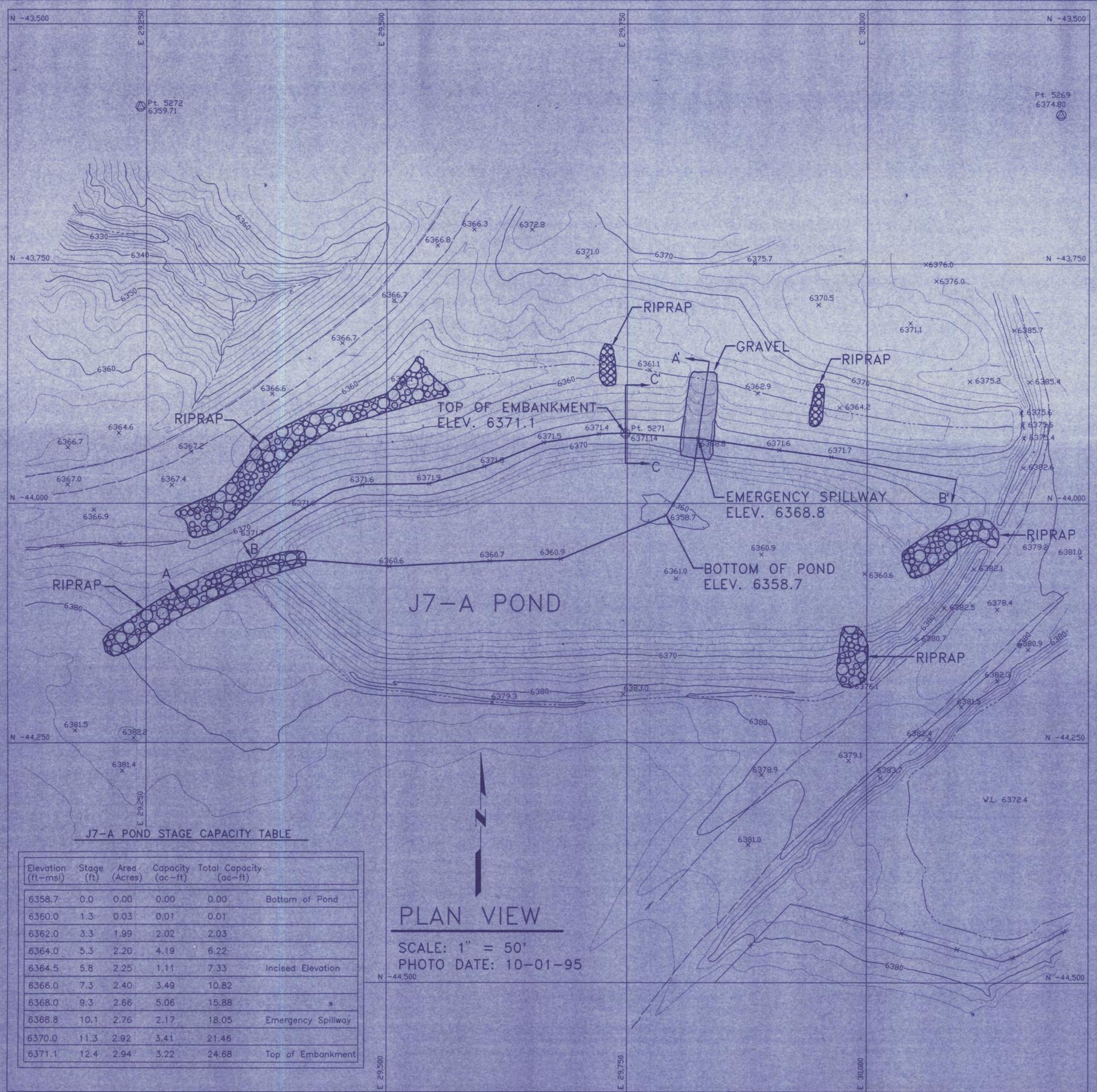
18982
 JAMES GARY
 J. SCHLENVOGT
 Senior Engineer
 Peabody Coal Company

Arizona P.E. #18782

Date: SEP 07 1989

**BLACK MESA - KAYENTA MINES
 SEDIMENT POND J3-G (AS BUILT)**

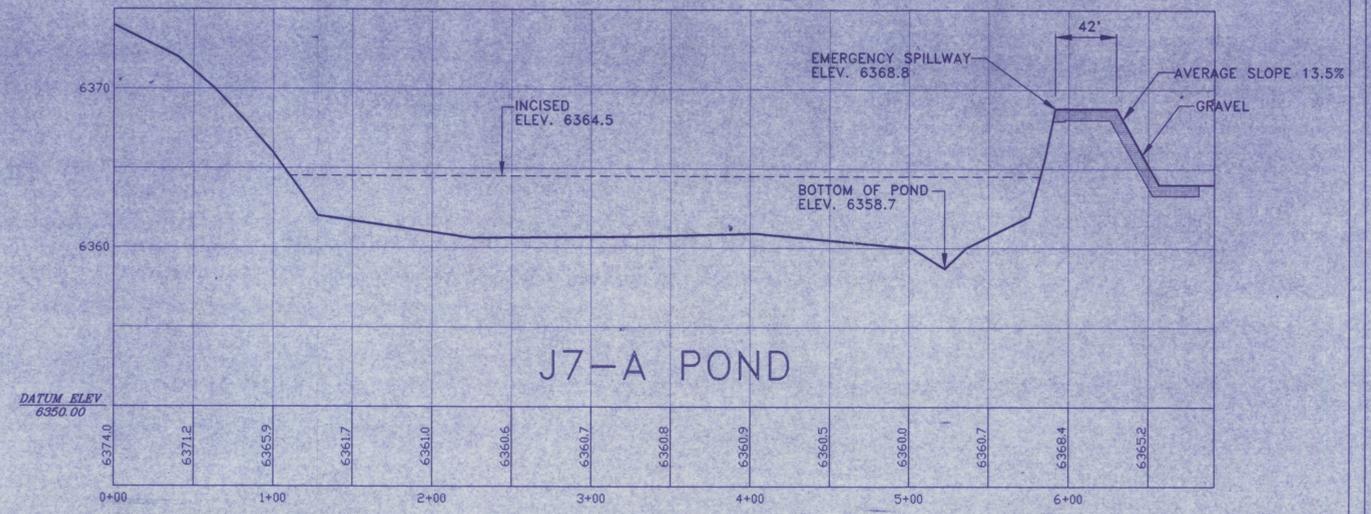
SCALE: AS SHOWN	APPROVED BY: J. SCHLENVOGT	DRAWN BY: D.V.M.
DATE: 7-21-89	REVISOR:	REVISION:
PEABODY COAL COMPANY		
1300 S. YALE FLAGSTAFF, ARIZONA 86001		
DRAWING NO.		



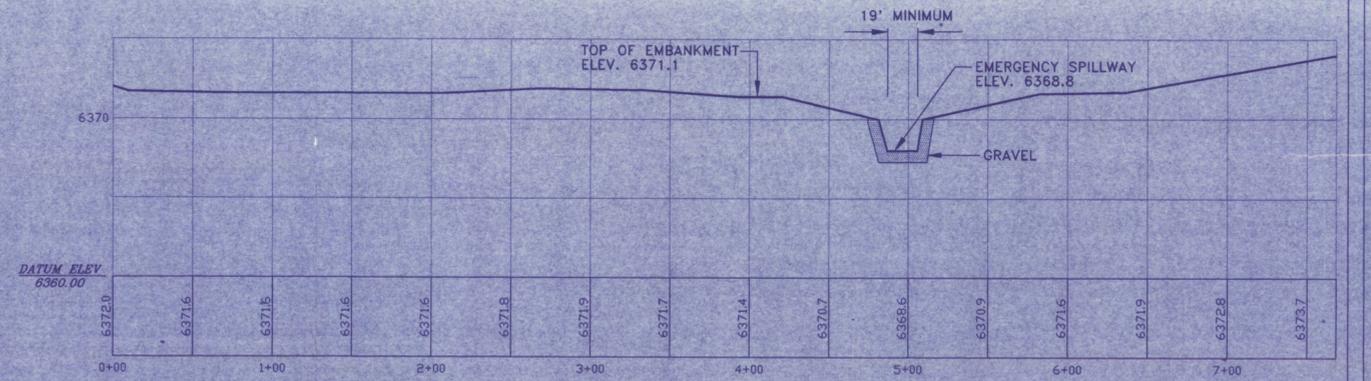
PLAN VIEW
 SCALE: 1" = 50'
 PHOTO DATE: 10-01-95

J7-A POND STAGE CAPACITY TABLE

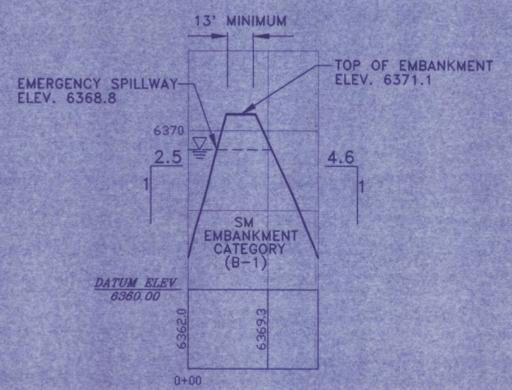
Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	
6358.7	0.0	0.00	0.00	0.00	Bottom of Pond
6360.0	1.3	0.03	0.01	0.01	
6362.0	3.3	1.99	2.02	2.03	
6364.0	5.3	2.20	4.19	6.22	
6364.5	5.8	2.25	1.11	7.33	Incised Elevation
6366.0	7.3	2.40	3.49	10.82	
6368.0	9.3	2.66	5.06	15.88	
6368.8	10.1	2.76	2.17	18.05	Emergency Spillway
6370.0	11.3	2.92	3.41	21.46	
6371.1	12.4	2.94	3.22	24.68	Top of Embankment



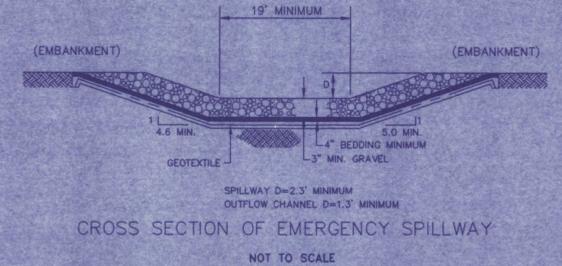
PROFILE SECTION A - A'
 VERT. SCALE: 1" = 5'
 HORIZ. SCALE: 1" = 50'



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



CROSS SECTION C - C'
 VERT. SCALE: 1" = 5'
 HORIZ. SCALE: 1" = 50'



CROSS SECTION OF EMERGENCY SPILLWAY
 NOT TO SCALE

I certify that this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

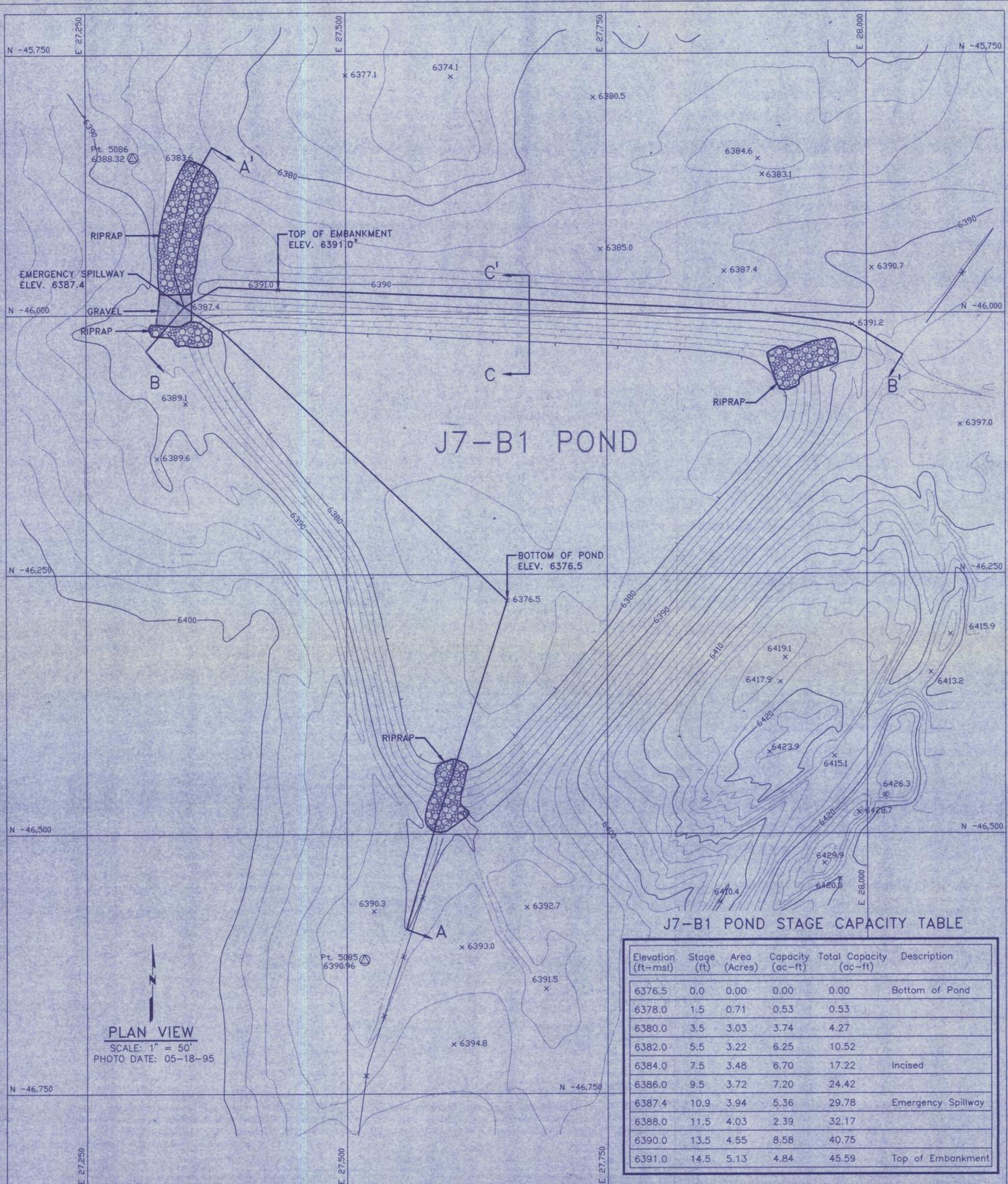
RAYMOND A. REMALLY
 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 15264
 12/14/95
 DATE

REVISIONS	CHG'D DATE	DESCRIPTION

J7-A POND
 (AS - BUILT)

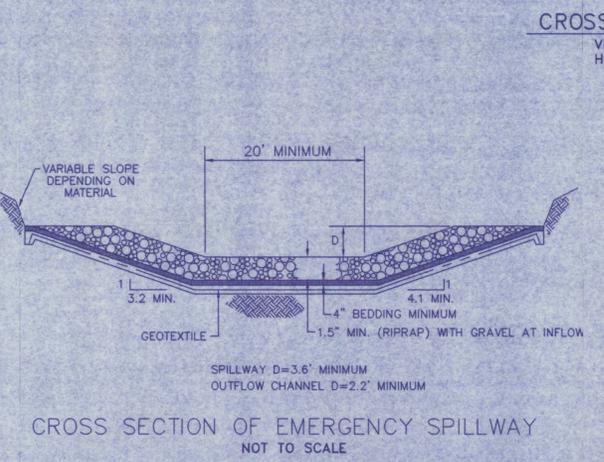
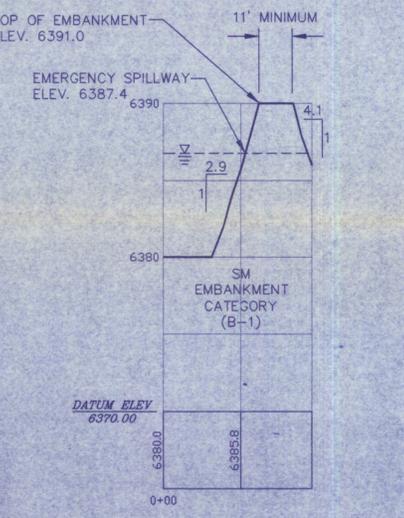
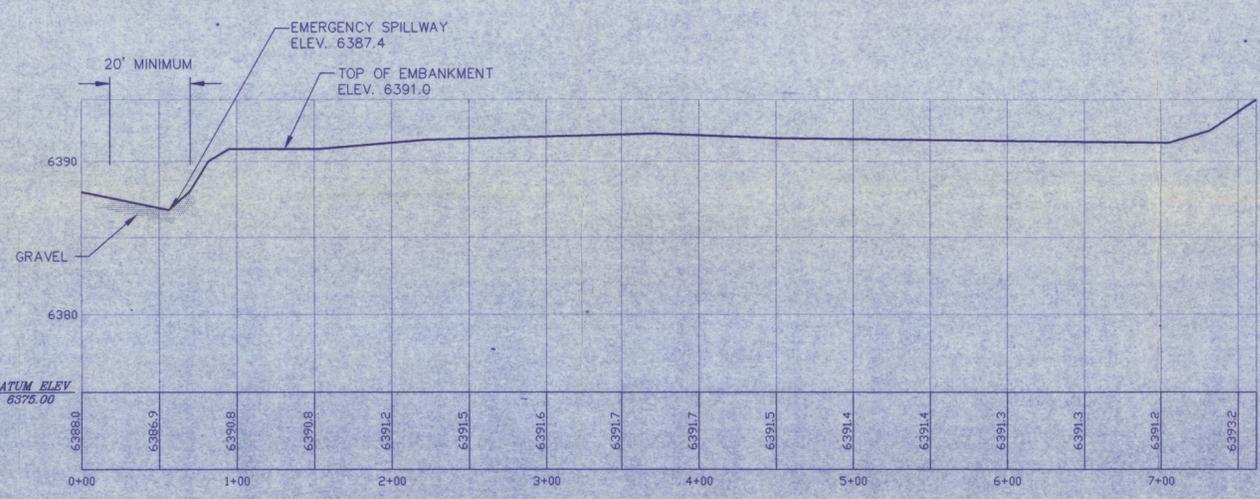
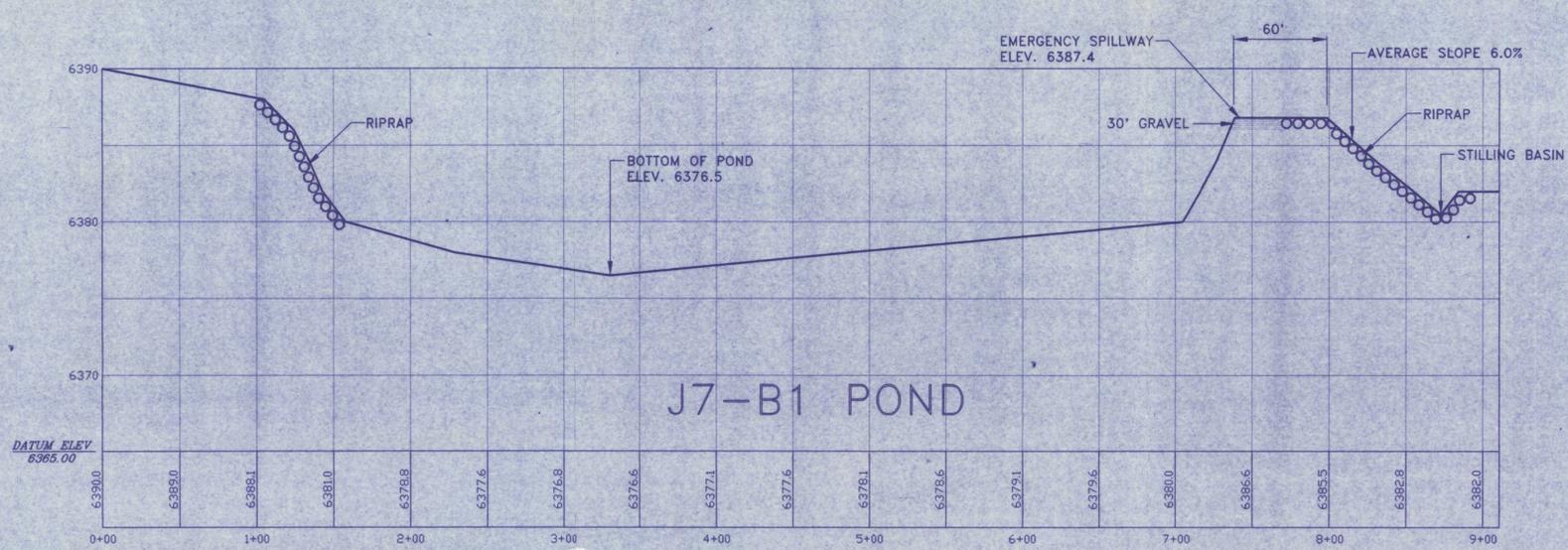
BLACK MESA MINE
 PEABODY WESTERN COAL CO. 1300 S.VALE FLAGSTAFF, AZ. 86001
 SCALE: AS SHOWN
 DRAWN BY: L.F.D. DRAWING DATE: 12-13-95
 CHECKED BY: R.A.B. PHOTO DATE: 10-01-95
 CONTOUR INTERVAL: 2.0'



J7-B1 POND

J7-B1 POND STAGE CAPACITY TABLE

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6376.5	0.0	0.00	0.00	0.00	Bottom of Pond
6378.0	1.5	0.71	0.53	0.53	
6380.0	3.5	3.03	3.74	4.27	
6382.0	5.5	3.22	6.25	10.52	
6384.0	7.5	3.48	6.70	17.22	Incised
6386.0	9.5	3.72	7.20	24.42	
6387.4	10.9	3.94	5.36	29.78	Emergency Spillway
6388.0	11.5	4.03	2.39	32.17	
6390.0	13.5	4.55	8.58	40.75	
6391.0	14.5	5.13	4.84	45.59	Top of Embankment



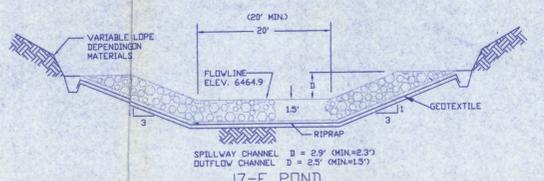
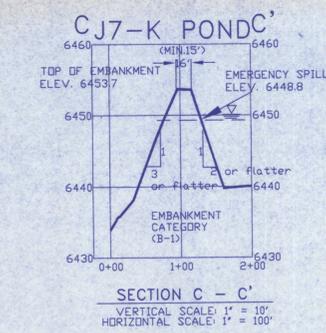
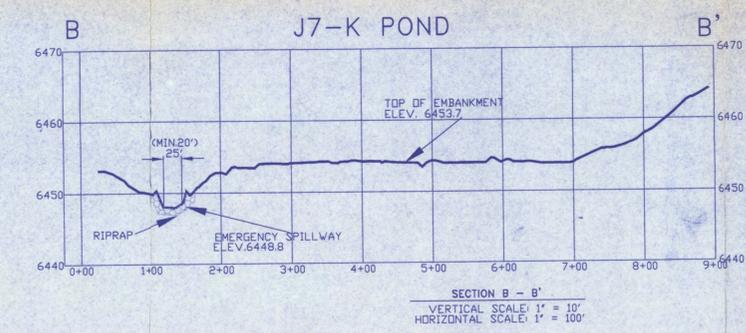
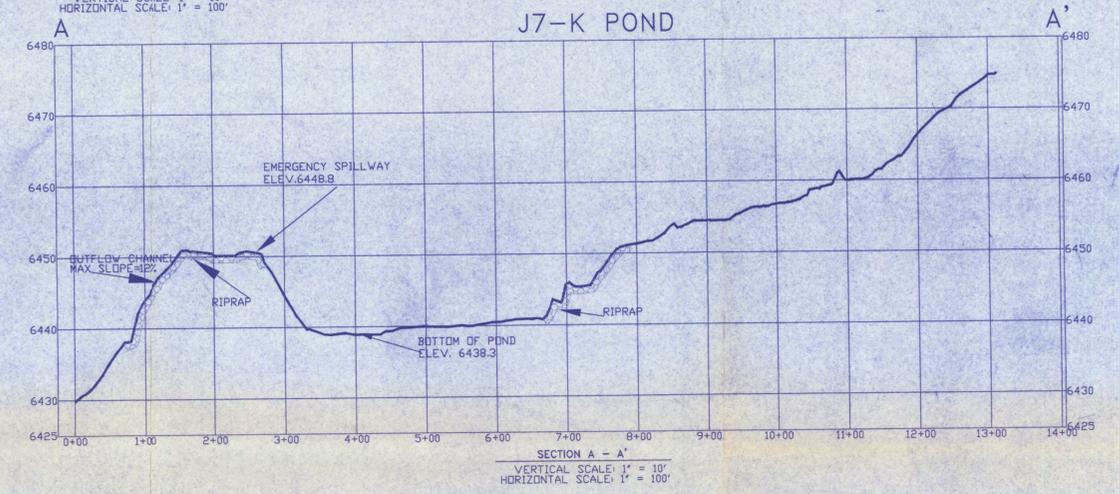
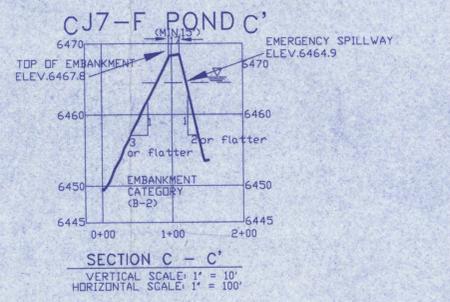
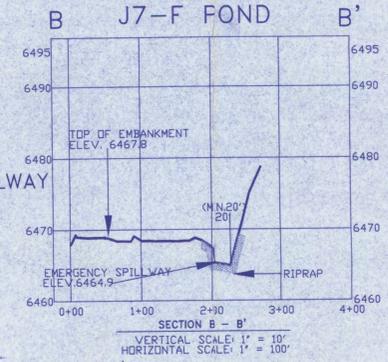
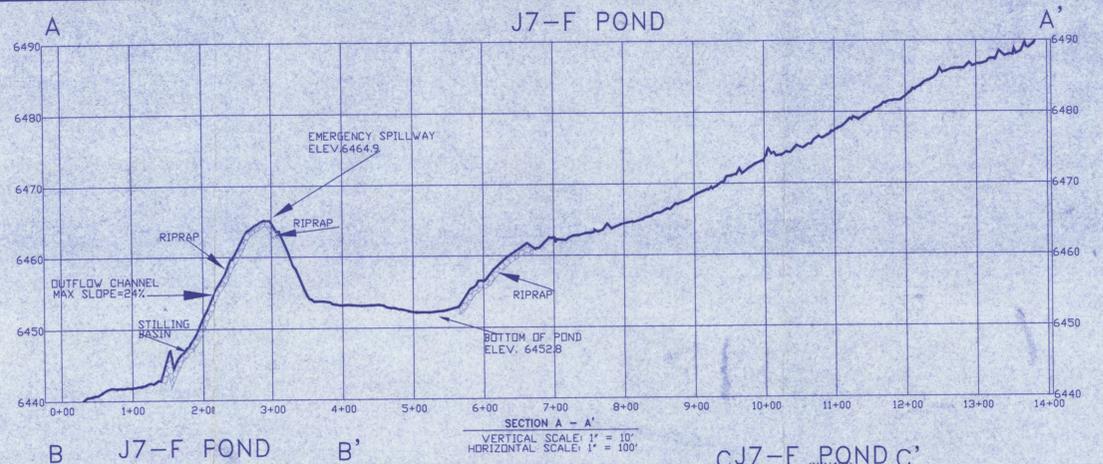
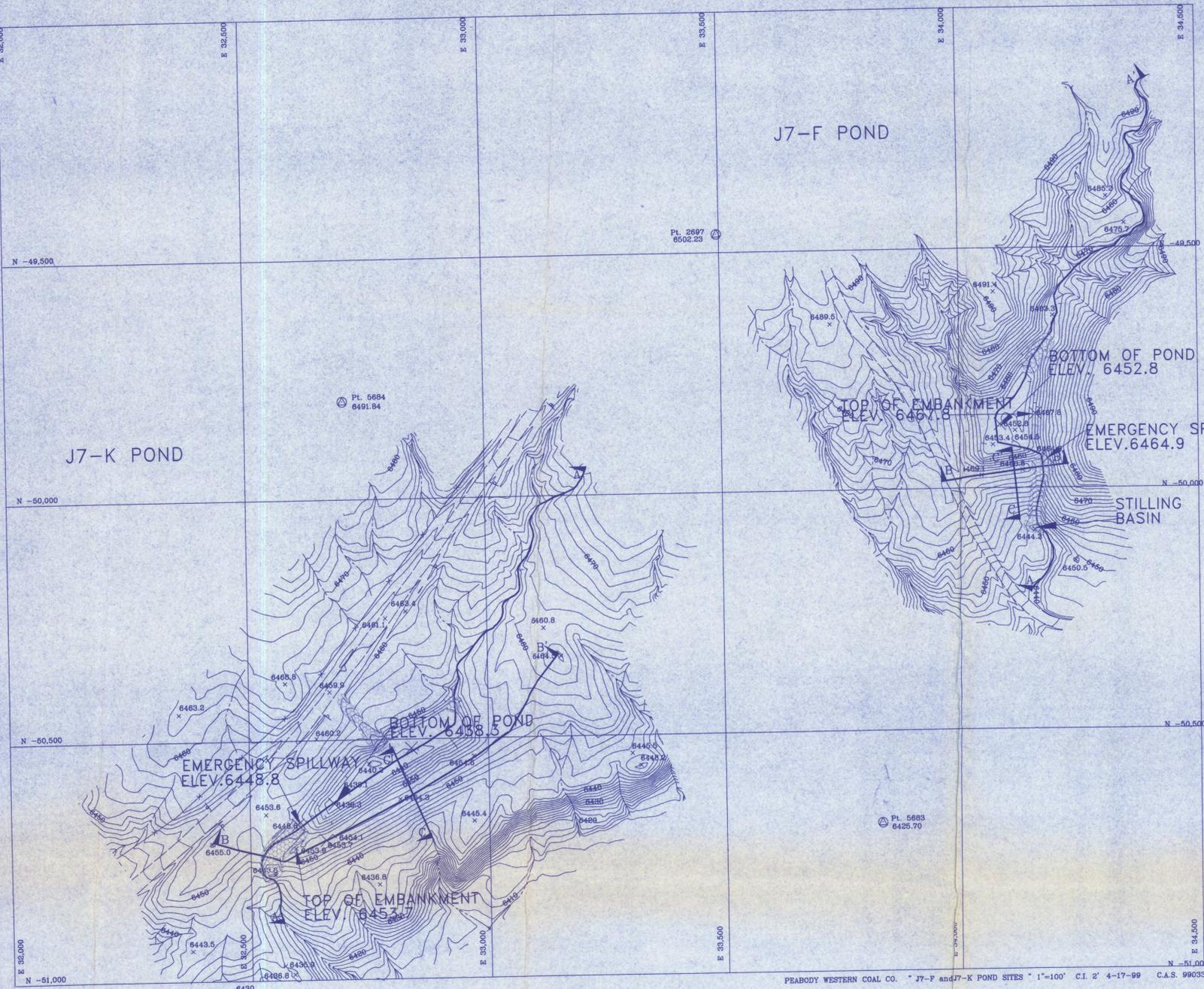
I certify that this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

RAYMOND WESTERN COAL COMPANY
ARIZONA, U.S.A.

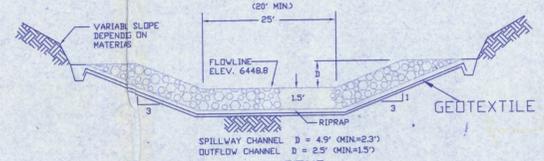
ARIZONA, P.E. 15264
9/27/95
DATE

REVISIONS	CHK'D DATE	DESCRIPTION

J7-B1 POND
(AS BUILT)
BLACK MESA MINE
PEABODY WESTERN COAL CO. 1300 S. YALE FLAGSTAFF AZ 86001
DESIGNED BY: P.W.C.C. SCALE: AS SHOWN
DRAWN BY: E.Z.D. DRAWING DATE: 07-05-95
CHECKED BY: R.A.B. PHOTO DATE: 05-18-95
CONTOUR INTERVAL: 2.0'



TYPICAL CRSS SECTION OF SPILLWAY OUTFLOW CHANNEL (NOT DRAWN TO SCALE)



TYPICAL CRSS SECTION OF SPILLWAY OUTFLOW CHANNEL (NOT DRAWN TO SCALE)

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6452.8	0.0	0.00	0.00	0.00	BOTTOM OF POND
6454.0	1.2	0.16	0.10	0.10	
6456.0	3.2	0.27	0.43	0.53	
6458.0	5.2	0.34	0.61	1.14	
6460.0	7.2	0.42	0.76	1.91	
6462.0	9.2	0.52	0.94	2.85	
6464.0	11.2	0.67	1.19	3.98	
6464.9	12.1	0.74	0.63	4.68	EMERGENCY SPILLWAY
6466.0	13.2	0.82	1.49	5.47	
6467.8	14.9	1.02	1.57	7.12	TOP OF EMBANKMENT

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6438.3	0.0	0.00	0.00	0.00	BOTTOM OF POND
6440.0	1.7	0.16	0.14	0.14	
6442.0	3.7	0.38	0.54	0.68	
6444.0	5.7	0.47	0.85	1.53	
6446.0	7.7	0.58	1.05	2.59	
6448.0	9.7	0.69	1.27	3.86	
6448.8	10.5	0.74	0.57	4.43	EMERGENCY SPILLWAY
6450.0	11.7	0.83	0.94	5.37	
6452.0	13.7	1.10	1.93	7.30	
6453.7	15.4	1.49	2.20	9.51	TOP OF EMBANKMENT

I certify that these Siltation Structures were constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

[Signature]
 ENGINEERING & REGULATION MANAGER
 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 18782
 JUN 01 1999
 DATE

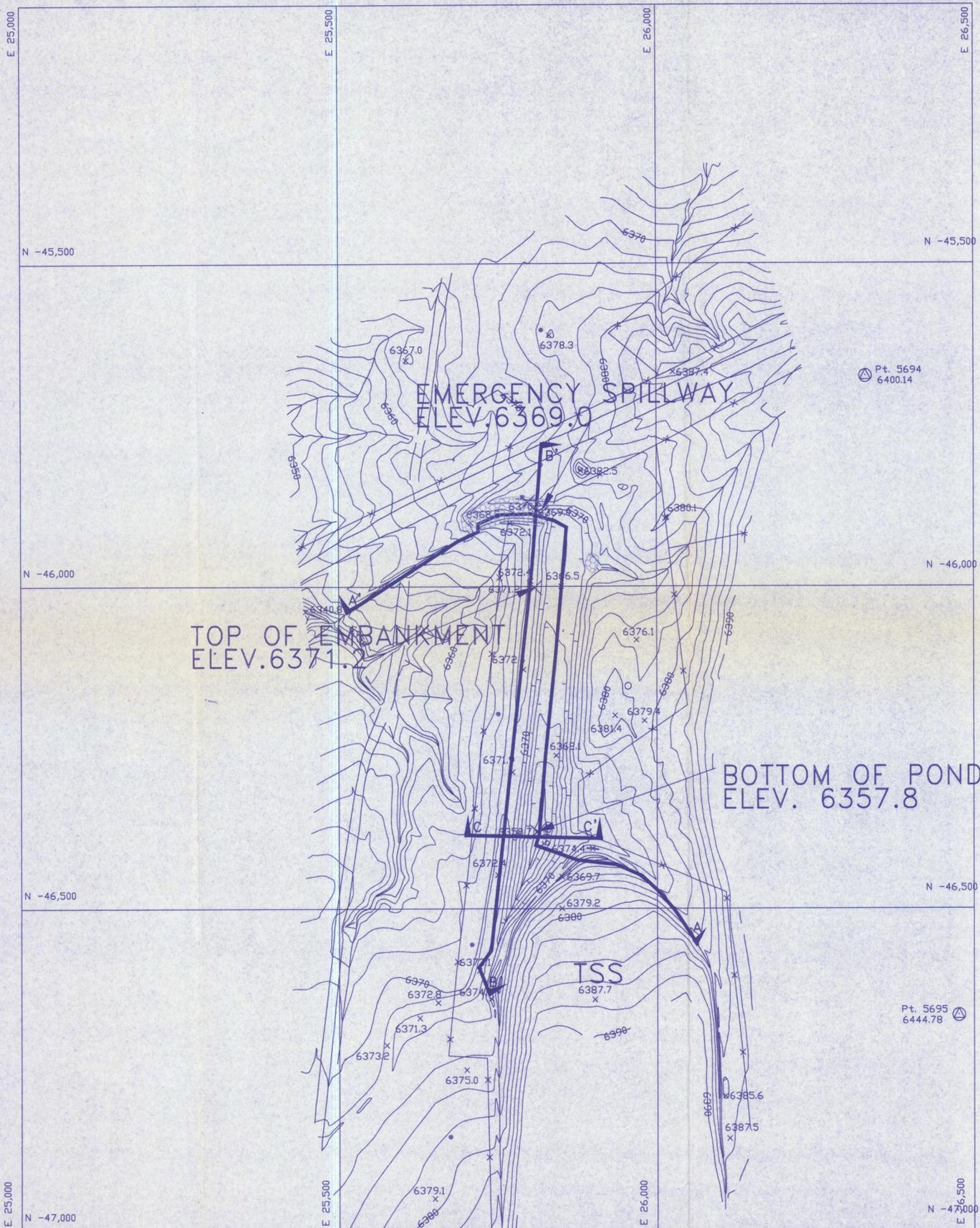
REVISIONS		
CHK'D	DATE	DESCRIPTION

**J7-F & J7-K PONDS
AS-BUILT**

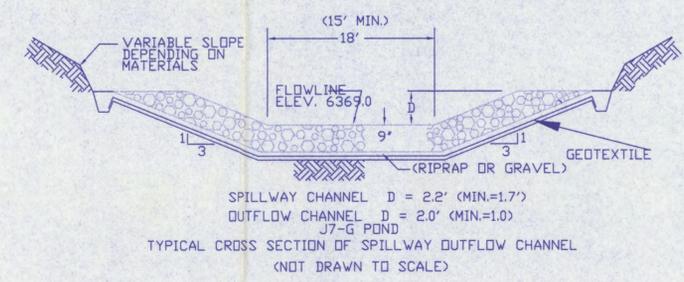
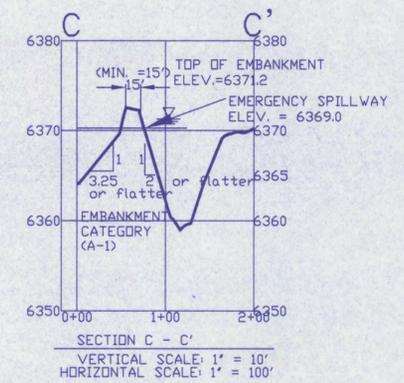
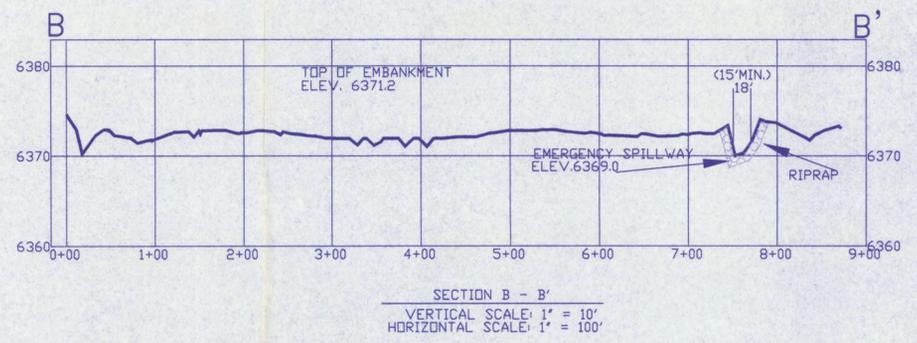
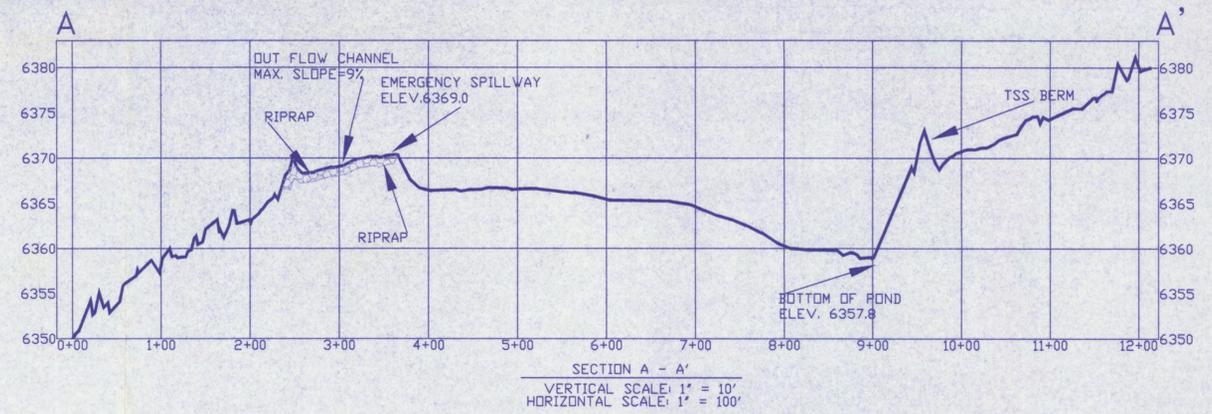
BLACK MESA MINE
 PEABODY WESTERN P.O. BOX 805 KAYENTA AZ, 86033
 DESIGNED BY: PWCC SCALE: 1"=100'
 DRAWN BY: E.D. DRAWING DATE: 05-14-99
 CHECKED BY: PWCC PHOTO DATE: 04-17-99
 CONTOUR INTERVAL: 2 FT



J7-G POND



PEABODY WESTERN COAL CO. * J7-G POND SITE * 1"=100' C.I. 2' 4-17-99 C.A.S. 990334



I certify that this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

James G. Schlenker
 JAMES G. SCHLENKER
 ENGINEERING & RECLAMATION MANAGER
 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 18782
 JUN 01 1999
 DATE



ELEVATION STAGE (ft-msl)	AREA (ft)	CAPACITY (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6357.8	0.0	0.00	0.00	BOTTOM OF POND
6360.0	2.2	0.03	0.04	
6362.0	4.2	0.12	0.16	
6364.0	6.2	0.24	0.36	
6366.0	8.2	0.45	0.68	
6368.0	10.2	0.81	1.25	
6369.0	11.2	0.93	3.36	EMERGENCY SPILLWAY
6370.0	12.2	1.06	4.35	
6371.2	14.3	1.31	6.84	TOP OF EMBANKMENT

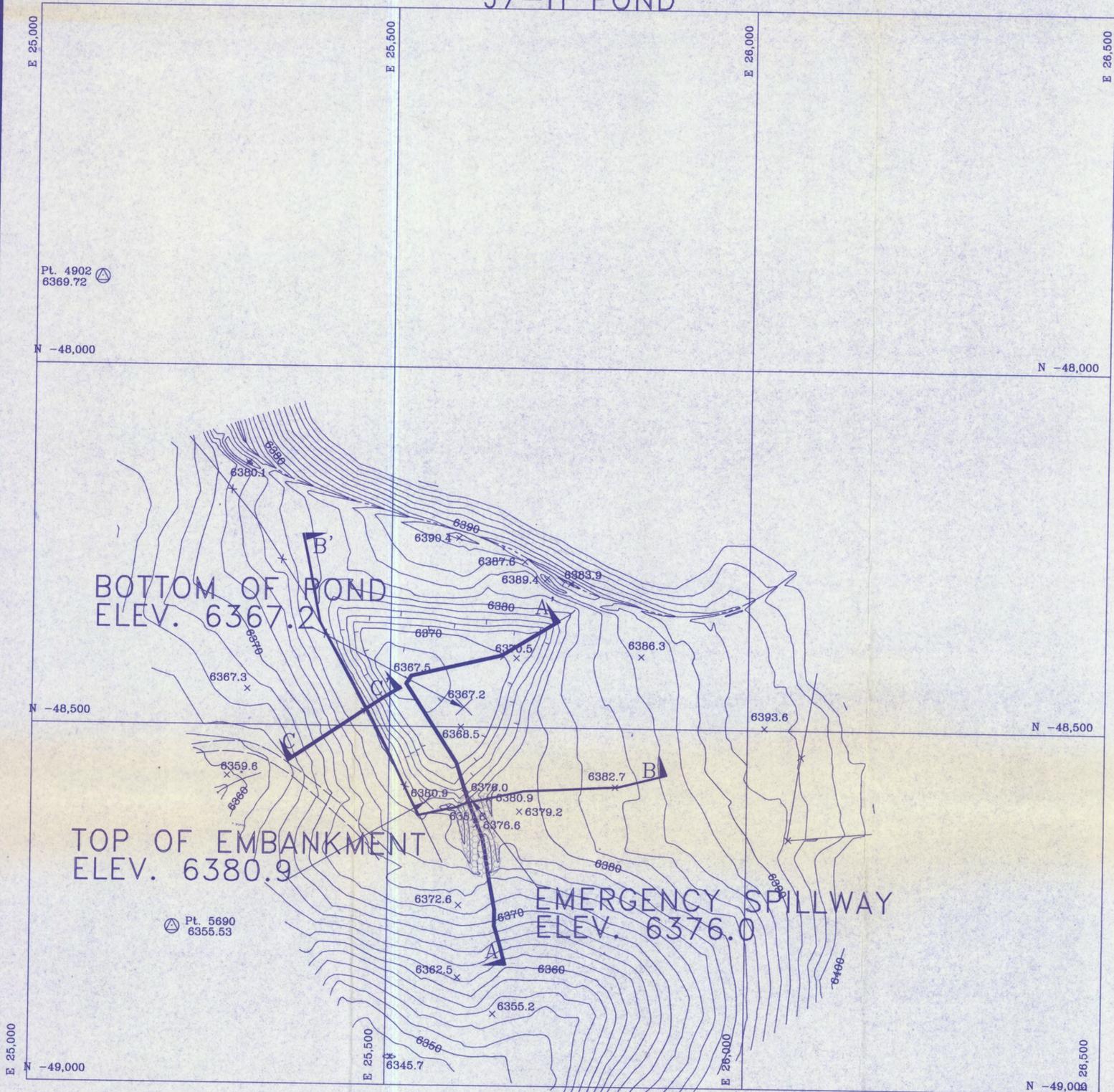
REVISIONS		
CHK'D	DATE	DESCRIPTION

J7-G POND AS-BUILT

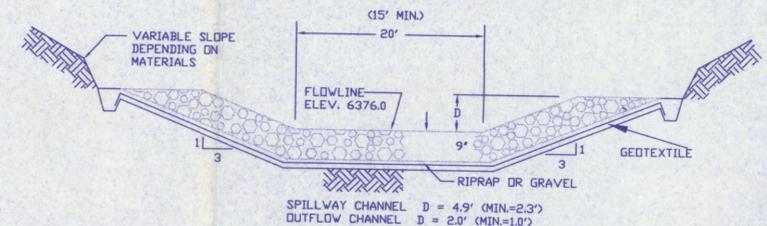
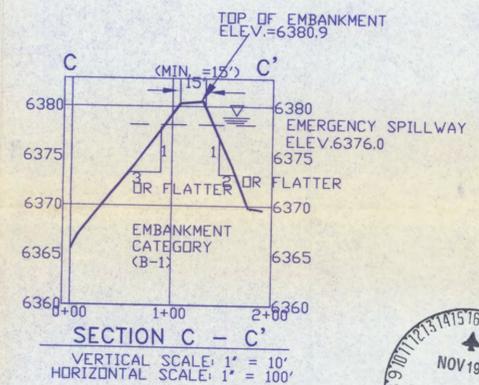
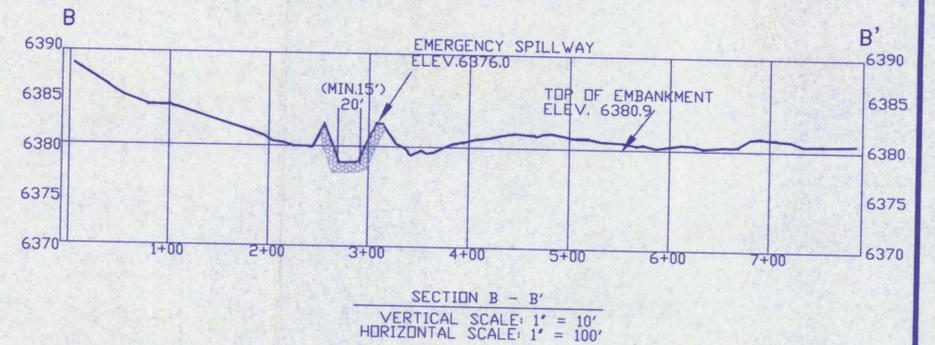
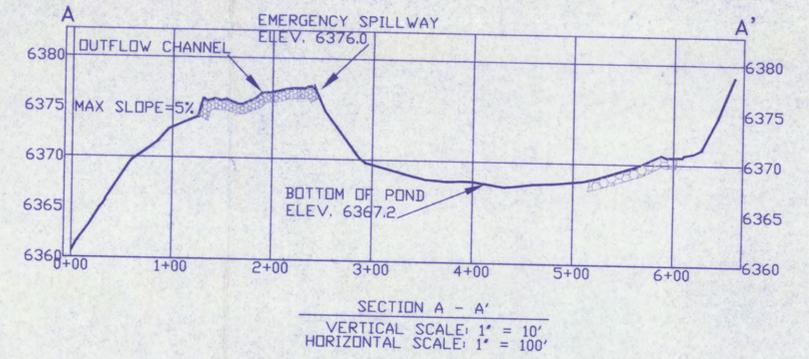
BLACK MESA MINE
 PEABODY WESTERN P.O. BOX 605 KAYENTA AZ, 86033

DESIGNED BY: PWCC	SCALE: 1"=100'
DRAWN BY: E.D.	DRAWING DATE: 05-14-99
CHECKED BY: PWCC	PHOTO DATE: 04-17-99
CONTOUR INTERVAL: 2 FT.	

J7-H POND



PEABODY WESTERN COAL CO. " J7-H POND SITE " 1"=100' C.I. 2' 4-17-99 C.A.S. 990334



TYPICAL CROSS SECTION OF SPILLWAY OUTFLOW CHANNEL (NOT DRAWN TO SCALE)

J7-H POND STAGE CAPACITY TABLE

ELEVATION STAGE (ft-msl)	AREA (ft)	CAPACITY (acres)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6367.2	0.0	0.00	0.00	BOTTOM OF POND
6368.0	0.8	0.15	0.06	
6370.0	2.8	0.59	0.80	
6372.0	4.8	0.80	2.18	
6374.0	6.8	0.97	3.95	
6376.0	8.8	1.16	6.08	EMERGENCY SPILLWAY
6378.0	10.8	1.37	8.61	
6380.0	12.8	1.66	11.64	
6380.9	13.7	1.66	13.14	TOP OF EMBANKMENT

I certify that this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

JAMES R. SCHLENKER

 ENGINEER & RECLAMATION MANAGER

 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 18782

JUN 01 1999

DATE

REVISIONS		
CHK'D	DATE	DESCRIPTION

J7-H POND AS-BUILT

BLACK MESA MINE

PEABODY WESTERN P.O. BOX 605 KAYENTA AZ, 86033

DESIGNED BY: PWCC SCALE: 1"=100'

DRAWN BY: E.D.

DRAWING DATE: 05-14-99

CHECKED BY: PWCC

PHOTO DATE: 04-17-99

CONTOUR INTERVAL: 2 FT