


PLAN VIEW
 SCALE: 1" = 60'
 SURVEY DATE: 08-30-99
 C.I. = 2'

WW-2 POND STAGE CAPACITY TABLE

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6520.8	0.0	0.00	0.00	0.00	BOTTOM OF POND
6522.0	1.2	0.24	0.14	0.14	
6524.0	3.2	0.69	0.93	1.07	
6526.0	5.2	0.94	1.63	2.70	
6528.0	7.2	1.15	2.09	4.79	
6530.0	9.2	1.36	2.51	7.30	
6532.0	11.2	1.56	2.92	10.22	
6534.0	13.2	1.77	3.33	13.55	
6534.7	13.9	1.84	1.26	14.81	EMERGENCY SPILLWAY
6536.0	15.2	1.96	2.47	17.28	
6536.5	15.7	2.01	0.99	18.27	TOP OF EMBANKMENT

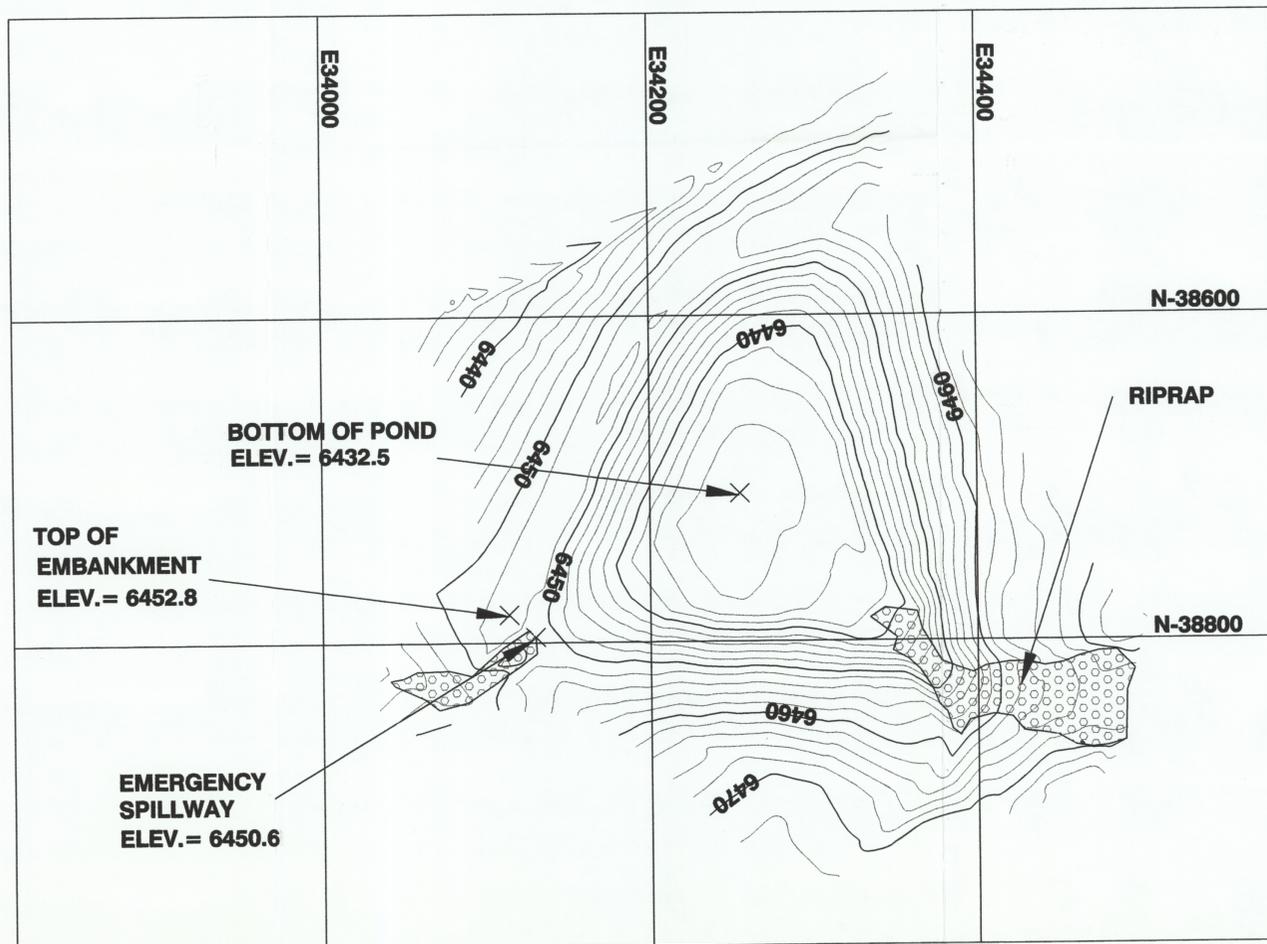
I CERTIFY THAT THIS SILTATION STRUCTURE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED MINING PERMIT AND THAT THE INFORMATION CONTAINED HEREIN ACCURATELY DESCRIBES THE CONSTRUCTED STRUCTURE TO THE BEST OF MY KNOWLEDGE AND BELIEF



ENGINEER'S CERTIFICATION

 RANDOLPH S. LEHN ARIZONA P.E. 26858
 PEABODY WESTERN COAL COMPANY DATE: OCT 29 1999

REVISIONS			WW-2 POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		
			BLACK MESA MINE PEABODY WESTERN COAL COMPANY PO BOX 605 KAYENTA, ARIZONA 86033 DESIGNED BY: PWCC SCALE: AS SHOWN DRAWN BY: CI DRAWING DATE: 10-04-99 CHECKED BY: RL SURVEY DATE: 08-30-99 CONTOUR INT.: 2' DWG FILE: WW-2 A..9.DWG	




PLAN VIEW
 SCALE: 1" = 50'
 SURVEY DATE: 06-15-99
 C.I. = 2'

WW-3 POND STAGE CAPACITY TABLE

ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6432.5	0.0	0.00	0.00	0.00	BOTTOM OF POND
6434	1.5	0.12	0.09	0.09	
6336	3.5	0.30	0.42	0.51	
6438	5.5	0.41	0.71	1.22	
6440	7.5	0.51	0.92	2.14	
6442	9.5	0.61	1.12	3.26	
6444	11.5	0.70	1.30	4.56	
6446	13.5	0.79	1.49	6.05	
6448	15.5	0.89	1.69	7.74	
6450	17.5	1.00	1.89	9.63	
6450.6	18.1	1.04	0.61	10.24	EMERGENCY SPILLWAY
6452	19.5	1.13	1.52	11.76	
6452.8	20.3	1.18	0.92	12.68	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.

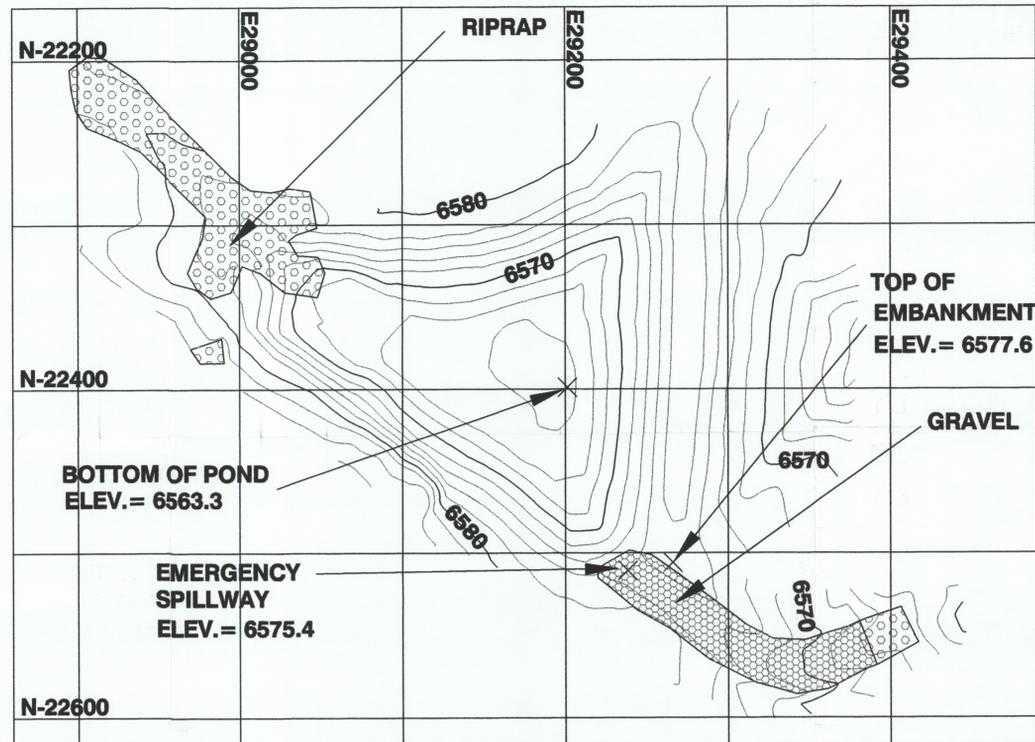
ENGINEER'S CERTIFICATION


 RANDOLPH S. LEHN
 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 26858
DATE: JUN 24 1999



REVISIONS			WW-3 POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		
			BLACK MESA MINE PEABODY WESTERN COAL COMPANY PO BOX 625 KAYENTA, ARIZONA 86033	
			DESIGNED BY: PWCC	SCALE: AS SHOWN
			DRAWN BY: CI	DRAWING DATE: 06-16-99
			CHECKED BY: RL	SURVEY DATE: 06-15-99
			CONTOUR INT.: 2'	DWG FILE: WW-3 A..9.DWG



WW-5 POND STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6563.3	0	0	0	0	BOTTOM OF POND
6564	0.7	0.05	0.02	0.02	
6566	2.7	0.22	0.27	0.29	
6568	4.7	0.36	0.58	0.87	
6570	6.7	0.48	0.84	1.71	
6572	8.7	0.60	1.08	2.79	
6574	10.7	0.72	1.32	4.11	
6575.4	12.1	0.82	1.08	5.19	EMERGENCY SPILLWAY
6576	12.7	0.86	0.50	5.69	
6577.6	14.3	0.97	1.46	7.15	TOP OF EMBANKMENT


PLAN VIEW
 SCALE: 1" = 50'
 SURVEY DATE: 06-07-99
 C.I. = 2'

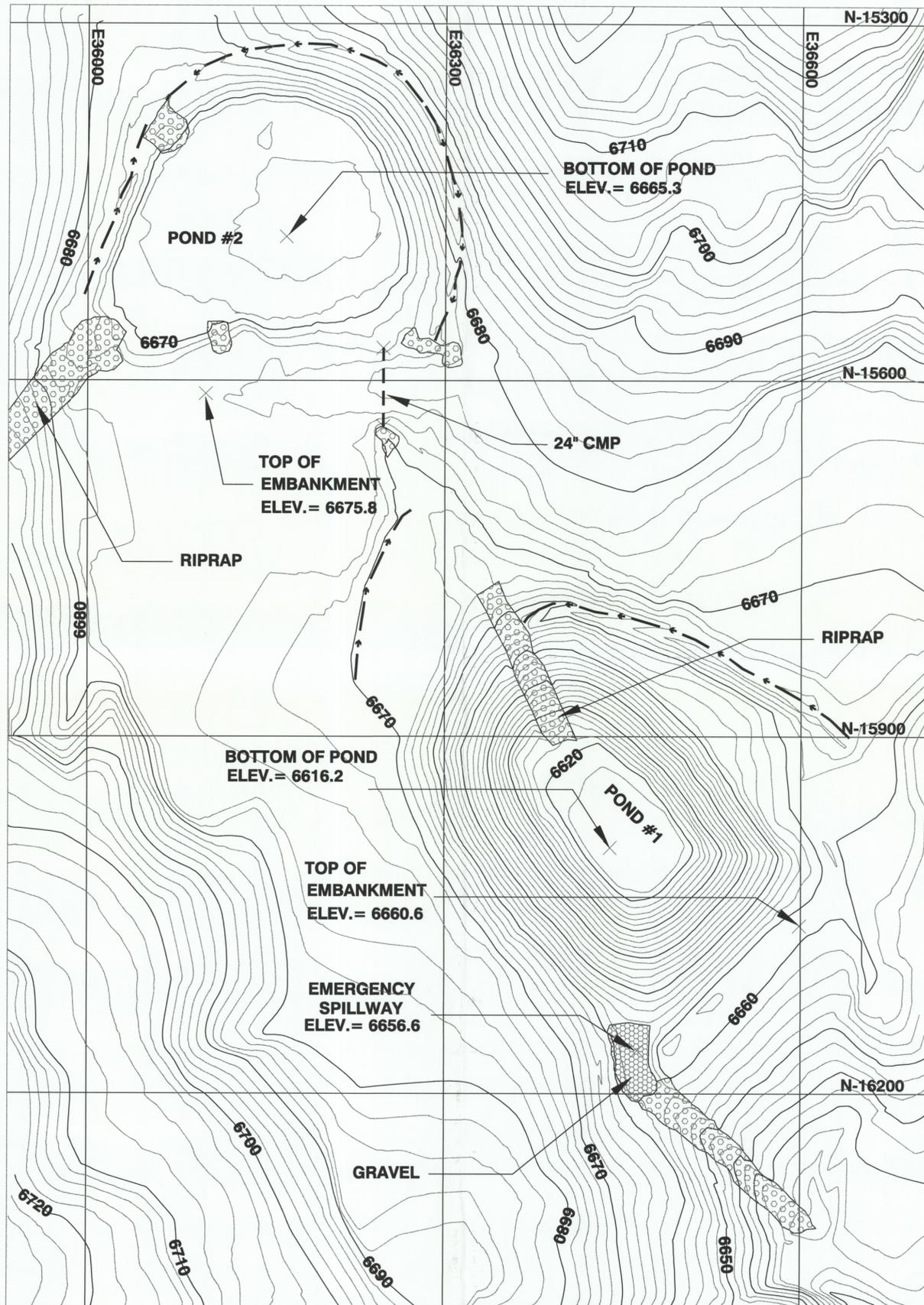


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ENGINEER'S CERTIFICATION
 RANDY LEHN
 PEABODY WESTERN COAL COMPANY
 ARIZONA P.E. 26858
 DATE: JUN 24 1999

REVISIONS			WW-5 POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		
			BLACK MESA MINE PEABODY WESTERN COAL COMPANY PO BOX 625 KAYENTA, ARIZONA 86033	
DESIGNED BY: PWCC			SCALE: AS SHOWN	
DRAWN BY: CI			DRAWING DATE: 06-07-99	
CHECKED BY: RL			SURVEY DATE: 06-07-99	
CONTOUR INT.: 2'			DWG FILE: WW-5 A..9.DWG	



WW-6 POND #1 STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6616.2	0.0	0.00	0.00	0.00	BOTTOM OF POND
6620.0	3.8	0.21	0.40	0.40	
6625.0	8.8	0.35	1.40	1.80	
6630.0	13.8	0.46	2.03	3.83	
6635.0	18.8	0.60	2.65	6.48	
6640.0	23.8	0.74	3.35	9.83	
6645.0	28.8	0.91	4.13	13.96	
6650.0	33.8	1.11	5.05	19.01	
6655.0	38.8	1.40	6.28	25.29	
6656.6	40.4	1.49	2.31	27.60	EMERGENCY SPILLWAY
6660.0	43.8	1.69	5.41	33.01	
6660.6	44.4	1.72	1.02	34.03	TOP OF EMBANKMENT

WW-6 POND #2 STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6665.3	0.0	0.00	0.00	0.00	BOTTOM OF POND
6666.0	0.7	0.22	0.08	0.08	
6668.0	2.7	0.70	0.92	1.00	
6670.0	4.7	0.90	1.60	2.60	
6672.0	6.7	1.02	1.92	4.52	
6673.0	7.7	1.11	1.07	5.58	INVERT 24" CMP
6674.0	8.7	1.20	1.16	6.74	
6675.8	10.5	1.36	2.30	9.04	TOP OF EMBANKMENT


PLAN VIEW
 SCALE: 1" = 60'
 SURVEY DATE: 09-15-99
 C.I. = 2'

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

ENGINEER'S CERTIFICATION


 RANDOLPH S. LEHN
 PEABODY WESTERN COAL COMPANY

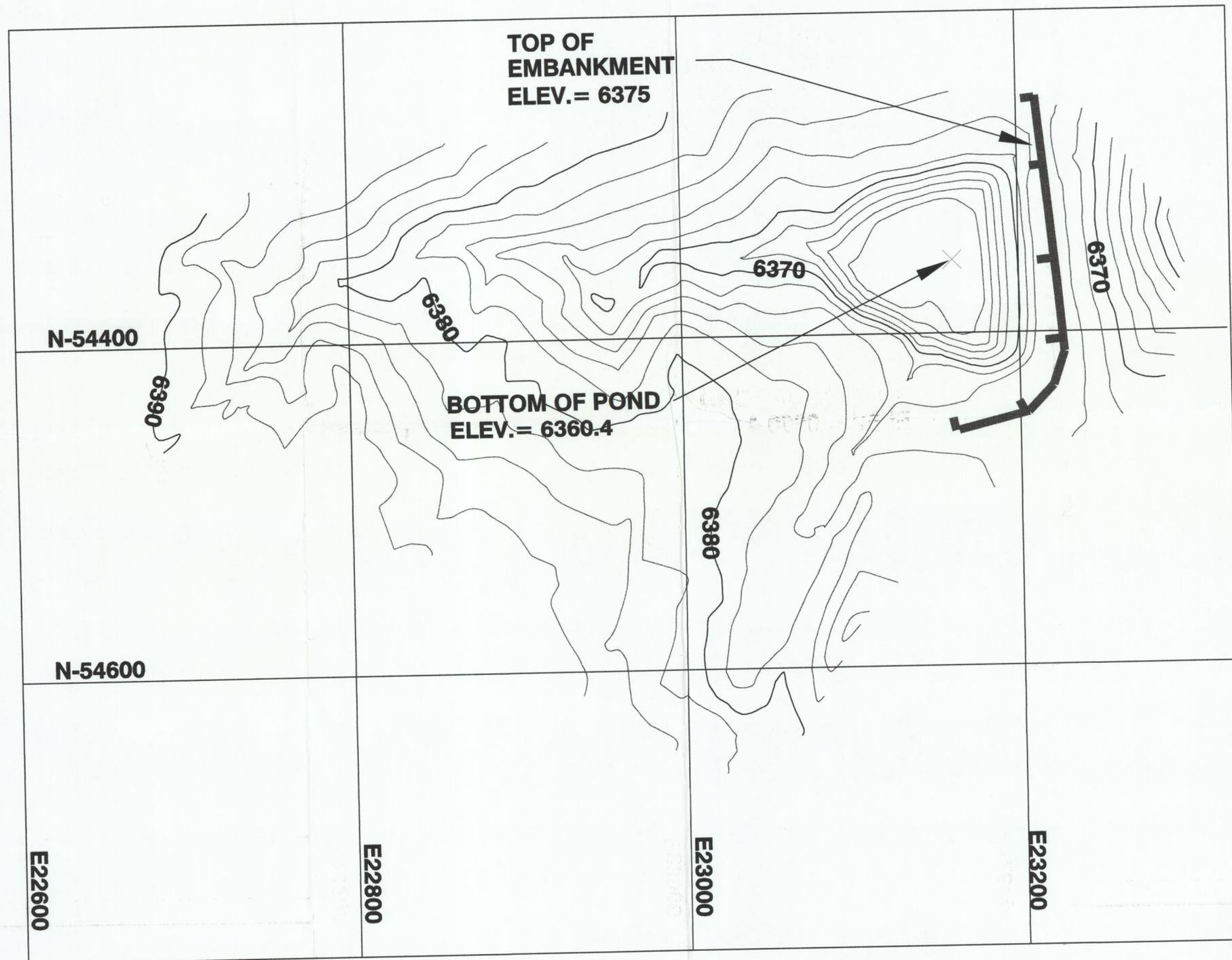
ARIZONA P.E. 26858
DATE: OCT 29 1999



REVISIONS			WW-6 POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		

BLACK MESA MINE
PEABODY WESTERN COAL COMPANY
PO BOX 605 KAYENTA, ARIZONA 86033

DESIGNED BY: PWCC SCALE: AS SHOWN
 DRAWN BY: CI DRAWING DATE: 09-20-99
 CHECKED BY: RL SURVEY DATE: 09-15-99
 CONTOUR INT.: 2' DWG FILE: WW-6 A..9.DWG




PLAN VIEW
 SCALE: 1" = 50'
 SURVEY DATE: 01-30-01
 C.I. = 2'

WW-9A POND STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6360.4	0.0	0.00	0.00	0.00	BOTTOM OF POND
6362.0	1.6	0.10	0.08	0.08	
6364.0	3.6	0.15	0.25	0.33	
6366.0	5.6	0.18	0.33	0.67	
6368.0	7.6	0.23	0.41	1.08	
6370.0	9.6	0.31	0.54	1.62	
6372.0	11.6	0.44	0.75	2.37	
6374.0	13.6	0.67	1.11	3.48	
6375.0	14.6	0.83	0.75	4.23	TOP OF EMBANKMENT

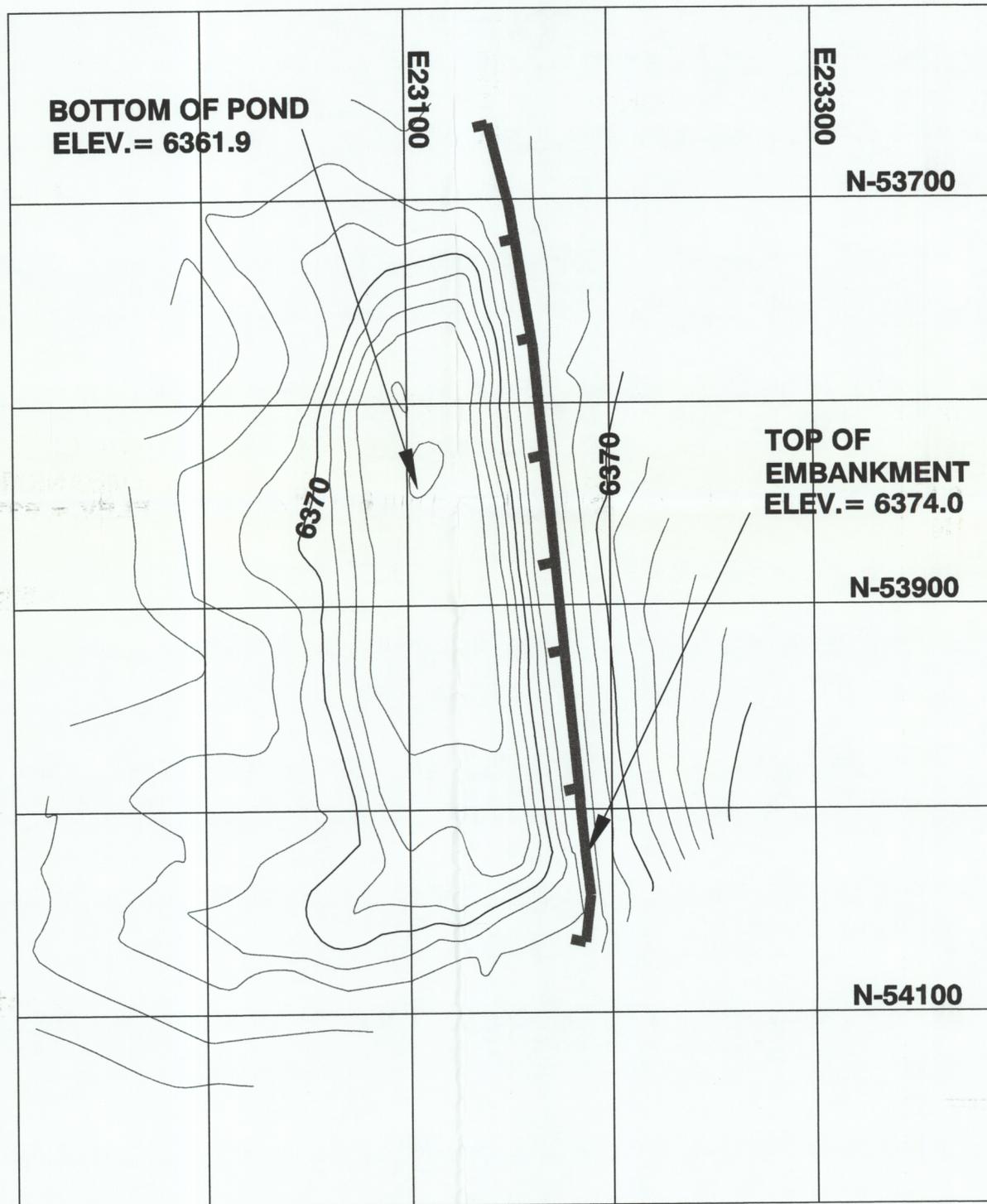
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ENGINEER'S CERTIFICATION
 ARIZONA P.E. 26858
 DATE: **FEB 15 2001**

REVISIONS			WW-9A POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		

BLACK MESA MINE PEABODY WESTERN COAL COMPANY PO BOX 625 KAYENTA, ARIZONA 86033	
DESIGNED BY: PWCC	SCALE: 1"=50'
DRAWN BY: DB	DRAWING DATE: 02-12-01
CHECKED BY: RL	SURVEY DATE: 01-30-01
CONTOUR INT.: 2'	DWG FILE: WW-9A.DWG




PLAN VIEW
 SCALE: 1" = 50'
 SURVEY DATE: 01-30-01
 C.I. = 2'

WW-9B POND STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6361.9	0.0	0.00	0.00	0.00	BOTTOM OF POND
6362.0	0.1	0.01	0.00	0.00	
6364.0	2.1	0.27	0.27	0.27	
6366.0	4.1	0.43	0.69	0.96	
6368.0	6.1	0.56	0.98	1.95	
6370.0	8.1	0.70	1.26	3.20	
6372.0	10.1	0.94	1.64	4.85	
6374.0	12.1	1.39	2.34	7.18	TOP OF EMBANKMENT

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ARIZONA P.E. 26858
DATE: FEB 15 2001

REVISIONS			WW-9B POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		
			BLACK MESA MINE	
			PEABODY WESTERN COAL COMPANY	
			PO BOX 625 KAYENTA, ARIZONA 86033	
			DESIGNED BY: PWCC	SCALE: 1"=50'
			DRAWN BY: DB	DRAWING DATE: 02-12-01
			CHECKED BY: RL	SURVEY DATE: 01-30-01
			CONTOUR INT.: 2'	DWG FILE: WW-9B.DWG