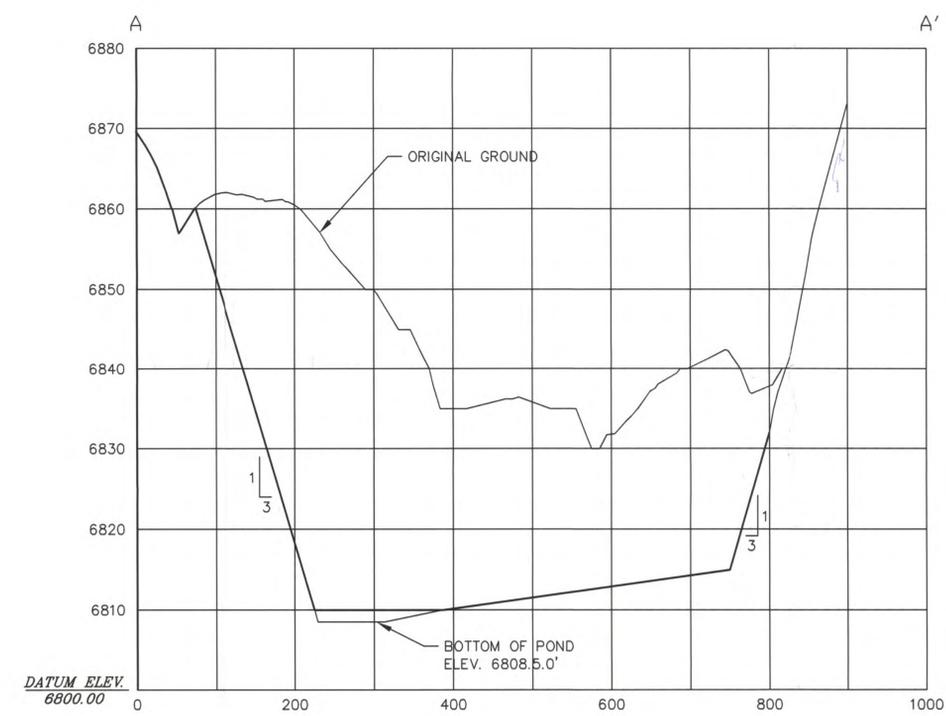
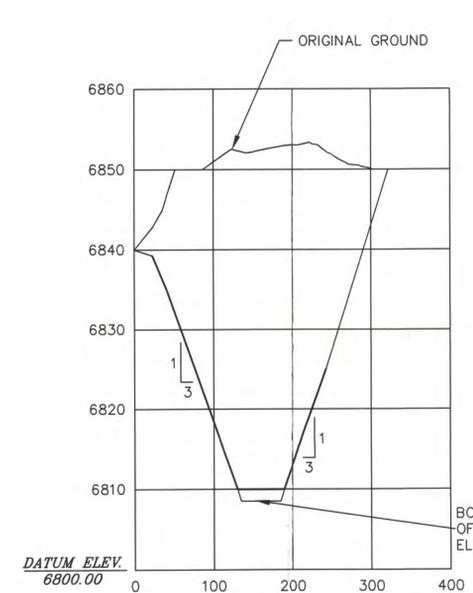


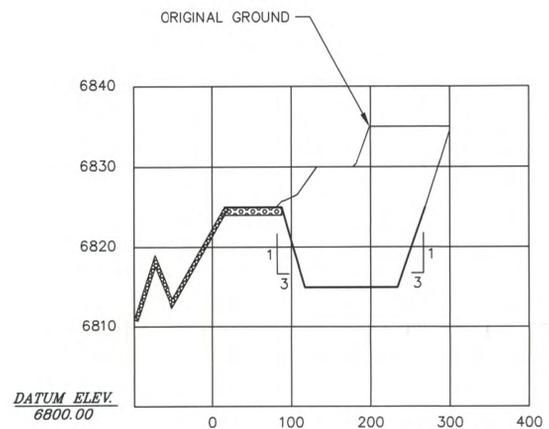

PLAN VIEW
 SCALE: 1" = 100'
 SURVEY DATE: 2/08/2005
 C.I. = 5'



SECTION A - A'
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'

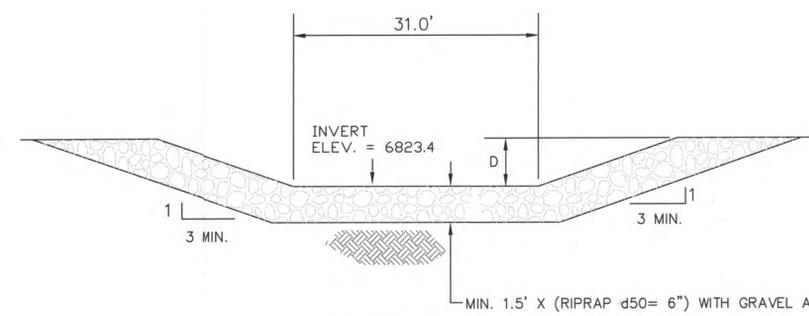


SECTION B - B'
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'



SECTION C - C'
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'

J19-A POND STAGE CAPACITY				
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6808.5	0.0	0.0	0.00	BOTTOM OF POND
6810.0	1.5	0.225	0.11	
6815.0	6.5	1.341	3.64	
6820.0	11.5	1.791	11.44	
6823.4	14.9	2.158	18.15	EMERGENCY SPILLWAY
6825.0	16.5	2.342	21.74	
6830.0	21.5	2.777	34.53	
6831.0	22.5	2.956	37.39	TOP OF EMBANKMENT



J19-A POND
TYPICAL CROSS-SECTION OF EMERGENCY SPILLWAY
 NOT TO SCALE

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816.46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW:

1. POND STAGE CAPACITY TABLE IS SLIGHTLY DIFFERENT, (18.15 ac.-ft.).
2. EMBANKMENT IS APPROX. 3.5 FT. ABOVE ORIGINAL GROUND ELEV.
3. ELEVATIONS & DIMENSIONS REFLECTED ON THE DRAWING.
4. SPILLWAY IS WIDER, (31') & SPILLWAY ELEV. IS LOWER, (6823.4).

ENGINEER'S CERTIFICATION

JAMES G. SCHLENOVGT
 ENGINEERING SUPERVISOR
 PEABODY WESTERN COAL COMPANY
 ARIZONA P.E. #18782
 DATE: FEB 11 2005

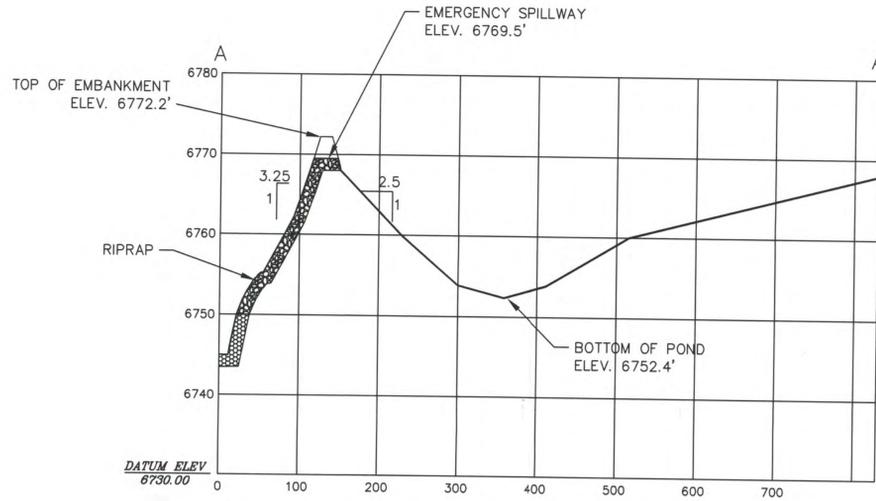
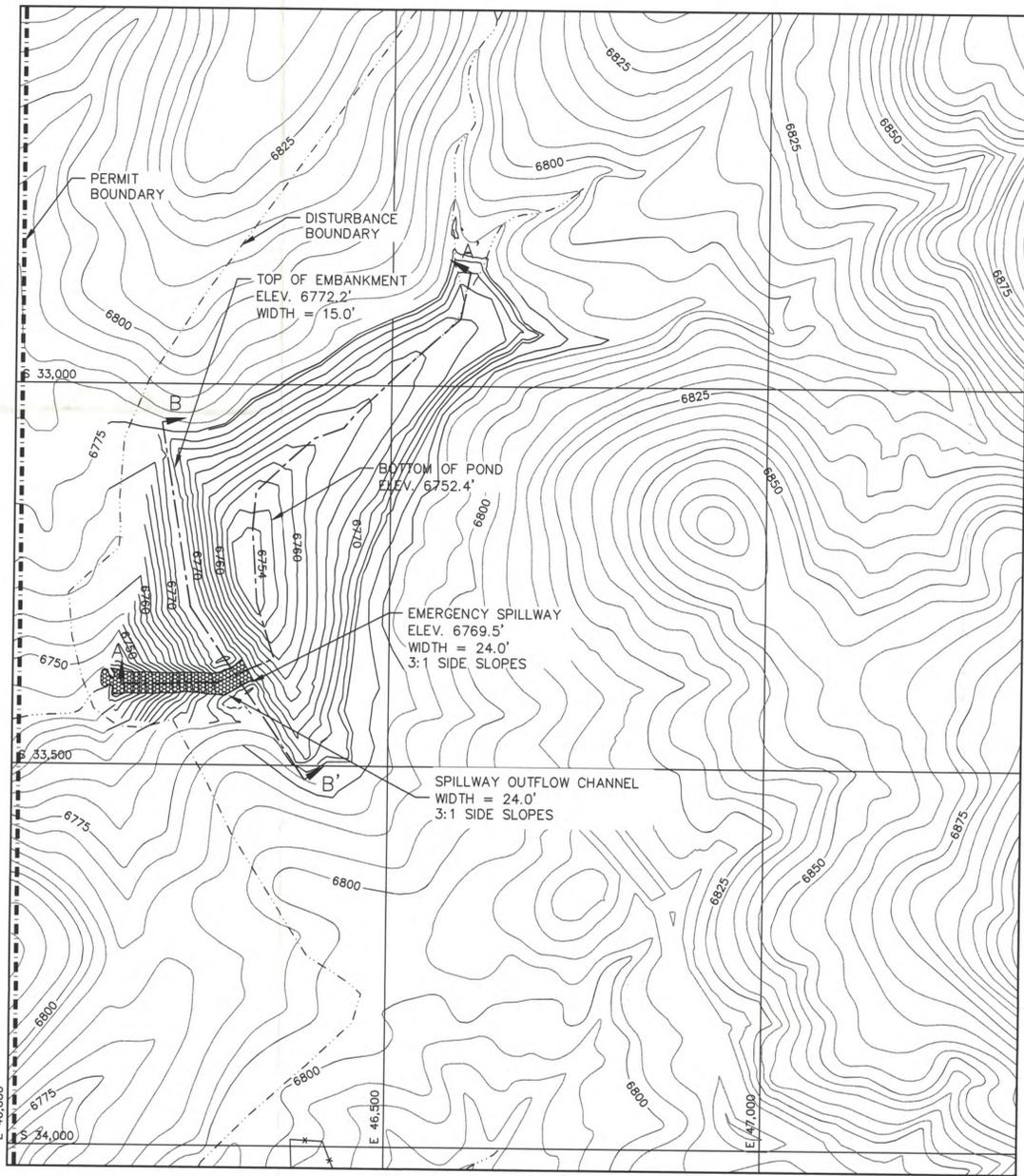


REVISIONS		
DATE	CHK'D	DESCRIPTION

EXHIBIT #1 (2005)
J19-A
AS-BUILT

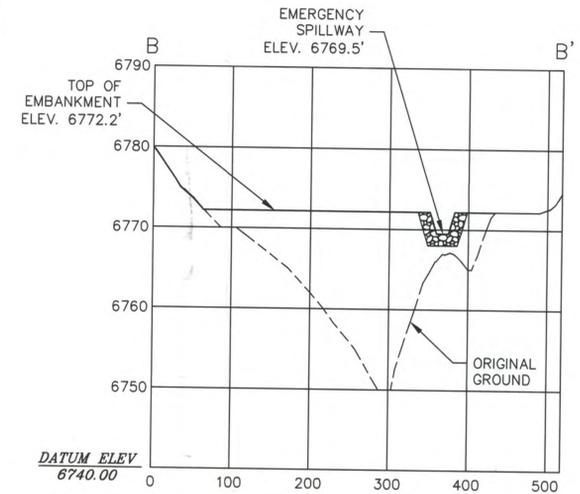
KAYENTA MINE
 PEABODY WESTERN COAL COMPANY
 P. O. BOX 650 KAYENTA, ARIZONA 86033

DESIGNED BY: MW	SCALE: 1"=100'
DRAWN BY: JGS	DRAWING DATE: 02-11-05
CHECKED BY: JGS	PHOTO DATE: 04-21-99
CONTOUR INT.: 5'	



SECTION A-A'

SCALE: HORIZ. 1"=100'
VERT. 1"=10'



SECTION B-B'

SCALE: HORIZ. 1"=100'
VERT. 1"=10'

PLAN VIEW

SCALE: 1" = 100'
PHOTO DATE: 4/21/99
C.I. = 2' in Ponding Area
C.I. = 5' in Surrounding Area

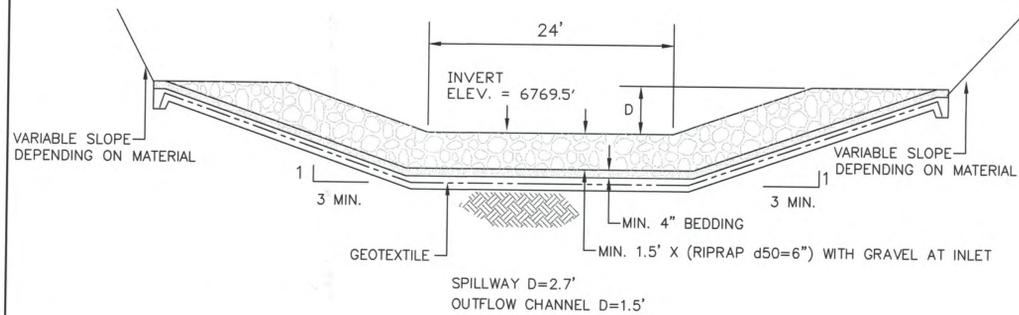
J19-B POND STAGE/CAPACITY				
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6752.4	0.0	0.00	0.00	BOTTOM OF POND
6755	2.6	0.13	0.13	
6760	7.6	0.51	1.61	
6765	12.6	1.25	5.87	
6769.5	17.1	2.29	13.72	EMERGENCY SPILLWAY
6770	17.6	2.42	14.89	
6772.2	19.8	2.70	20.52	TOP OF EMBANKMENT

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816.46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW:

1. POND STAGE CAPACITY TABLE
2. PONDING AREA SHAPE
3. ELEVATIONS REFLECTED ON THE DRAWING

ENGINEER'S CERTIFICATION

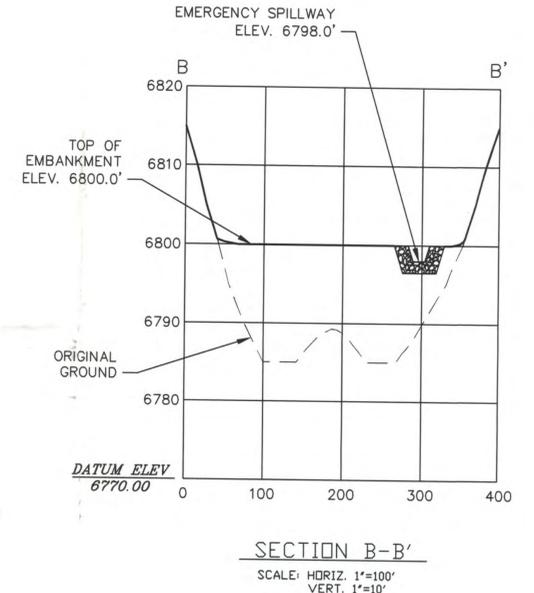
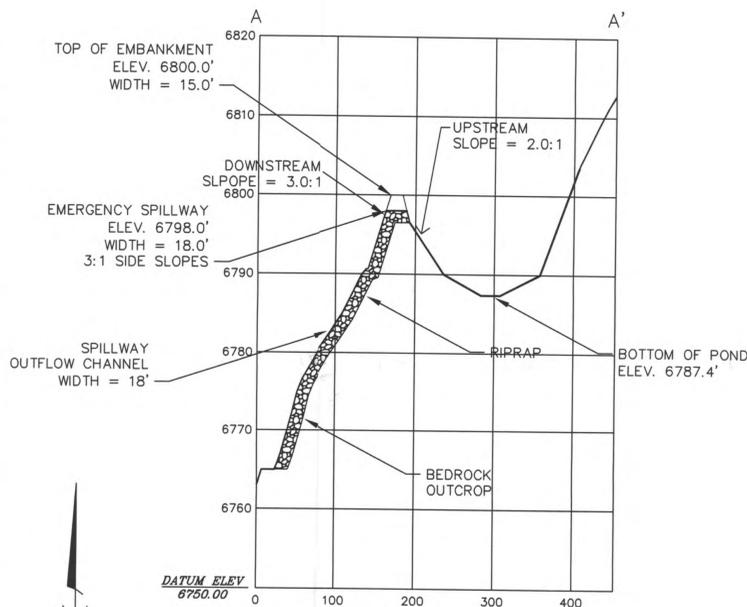
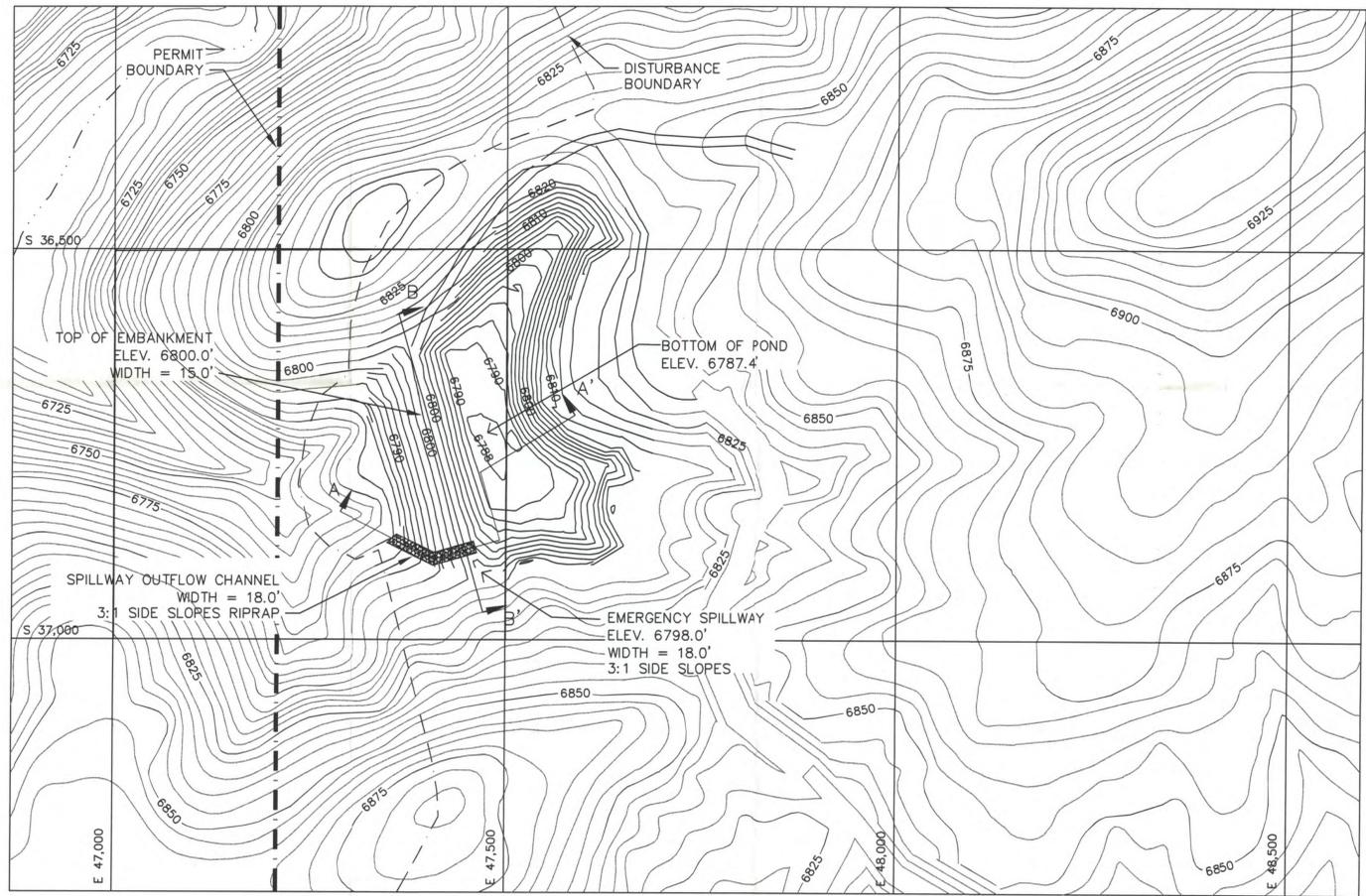
JAMES G. SCHLENOVGT
ENGINEERING SUPERVISOR
PEABODY WESTERN COAL COMPANY
ARIZONA P.E. #18782
DATE: _____



J19-B POND
TYPICAL CROSS-SECTION OF EMERGENCY SPILLWAY
NOT TO SCALE



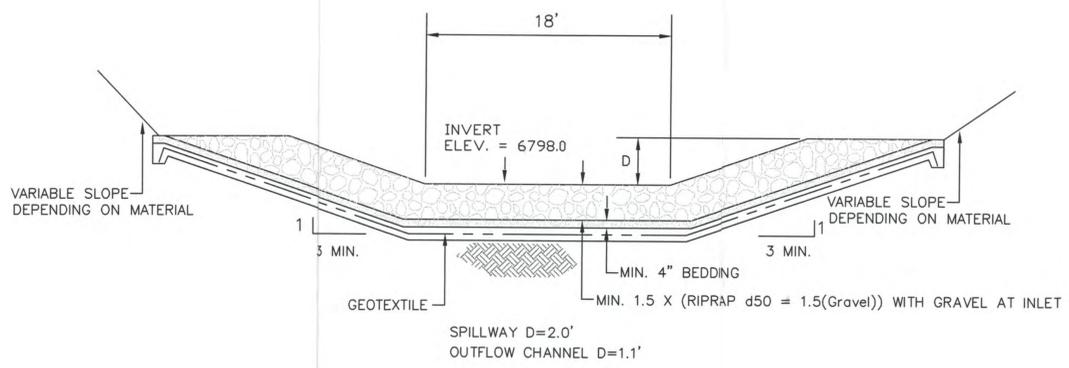
REVISIONS			EXHIBIT #1 (2004) J19-B POND AS-BUILT	
DATE	CHK'D	DESCRIPTION		
			KAYENTA MINE PEABODY WESTERN COAL COMPANY P. O. BOX 650 KAYENTA, ARIZONA 86033	
			DESIGNED BY: MW	SCALE: 1"=100'
			DRAWN BY: JGS	DRAWING DATE: 05-14-04
			CHECKED BY: JGS	PHOTO DATE: 04-21-99
			CONTOUR INT.: 5'	



PLAN VIEW
 SCALE: 1" = 100'
 PHOTO DATE: 4/21/99
 C.I. = 2' in Ponding Area
 C.I. = 5' in Surrounding Area

SECTION A-A'
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'

SECTION B-B'
 SCALE: HORIZ. 1"=100'
 VERT. 1"=10'



J19-E POND
TYPICAL CROSS-SECTION OF EMERGENCY SPILLWAY
 NOT TO SCALE

J19-E POND STAGE CAPACITY				
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6787.4	0.0	0.0	0.00	BOTTOM OF POND
6788	0.6	0.06	0.01	
6790	2.6	0.32	0.36	
6795	7.6	0.73	3.05	
6798	10.6	0.98	5.61	EMERGENCY SPILLWAY
6800	12.6	1.14	7.73	TOP OF EMBANKMENT

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816.46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW:

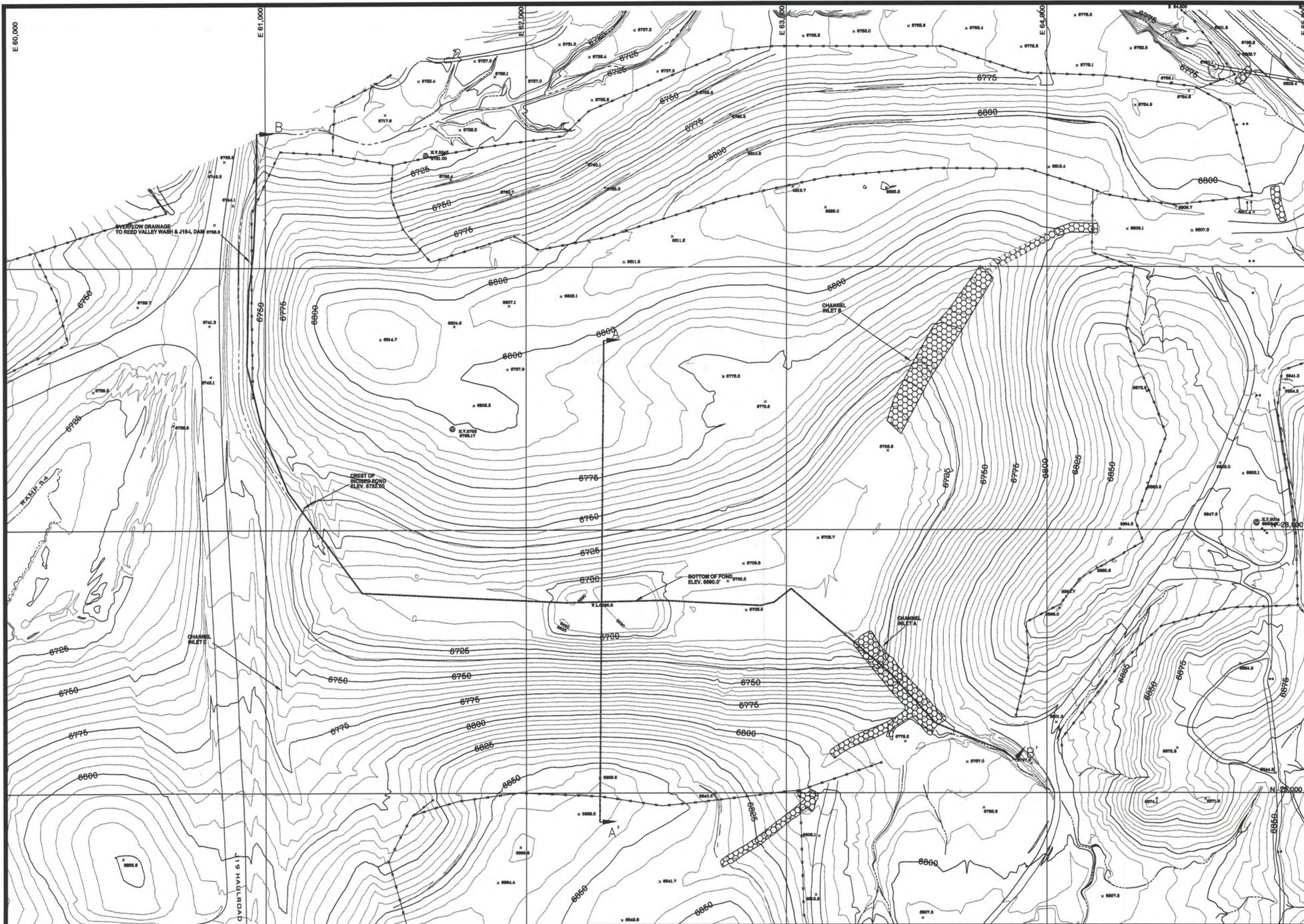
1. POND STAGE CAPACITY TABLE
2. PONDING AREA SHAPE
3. ELEVATIONS REFLECTED ON THE DRAWING

ENGINEER'S CERTIFICATION

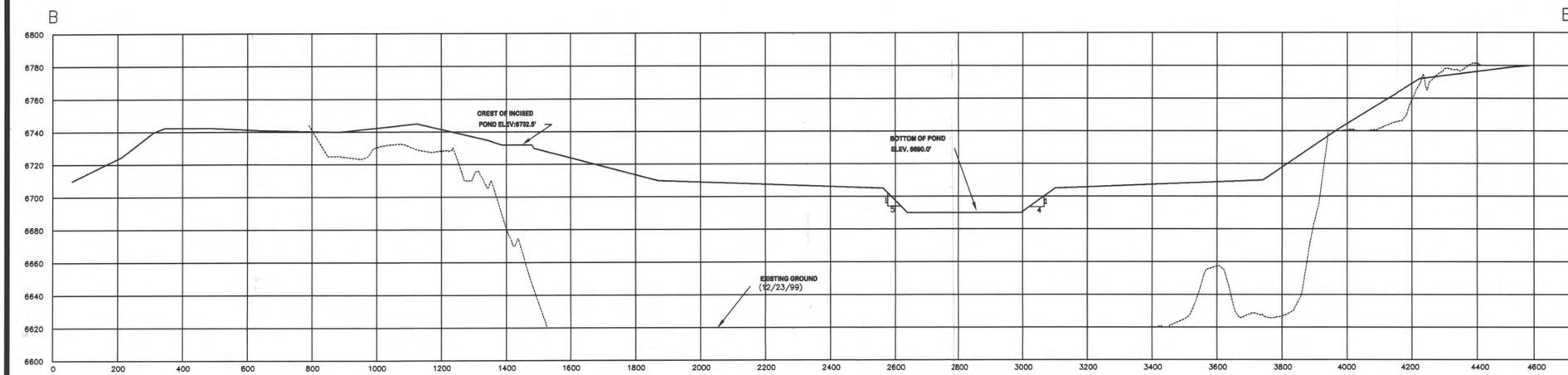
JAMES G. SCHLENVOGT ARIZONA P.E. #18782
 ENGINEERING SUPERVISOR
 PEABODY WESTERN COAL COMPANY DATE: _____



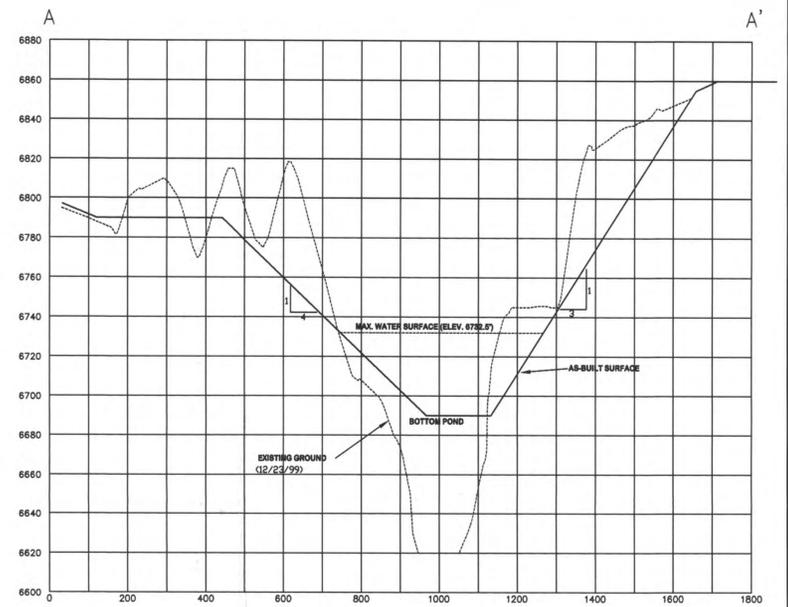
REVISIONS			EXHIBIT #1 (2004)	
DATE	CHK'D	DESCRIPTION	J19-E POND AS-BUILT	



J19-RA IMPOUNDMENT



SECTION B - B'
SCALE: HORIZ. 1"=20'
VERT. 1"=40'



SECTION A - A'
SCALE: HORIZ. 1"=20'
VERT. 1"=40'

J19-RA POND STAGE CAPACITY				
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6690	0.0	1.30	0	BOTTOM OF POND
6695	5.0	1.75	7.60	
6700	10.0	2.29	17.67	
6705	15.0	5.50	36.57	
6706	16.0	7.11	42.86	
6708.5	18.5	12.12	67.00	ESTIMATED HIGH WATER LEVEL
6710	20.0	15.61	87.20	
6715	25.0	20.10	176.24	
6720	30.0	23.70	285.62	
6725	35.0	27.34	413.11	
6730	40.0	31.08	559.06	
6732	42.0	32.35	622.49	
6732.5	42.5	32.673	638.75	CREST OF INCISED POND
6735	45.0	34.30	722.46	



J-19-RA POND
TYPICAL CROSS-SECTION OF EMERGENCY SPILLWAY OUTFLOW
NOT TO SCALE

NOTE: ACCORDING TO DESIGN REPORT
Structure J-19-RA is not required to have a spillway or outflow channel because the impoundment is designed to contain all of the PMP storm event runoff with adequate freeboard and no discharge.

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816-46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW.

1. POND STAGE CAPACITY TABLE
2. PONDING AREA SHAPE
3. DIMENSIONS & DIMENSIONS REFLECTED ON THE DRAWING
4. DIMENSIONS OF STABILIZATION STRUCTURES IN THE AREA OF THE PONDING AREA TO BE UPDATED IN THE 2006 ANNUAL REPORT.



ARIZONA P.E. 18782
DATE: **SEP 23 2005**



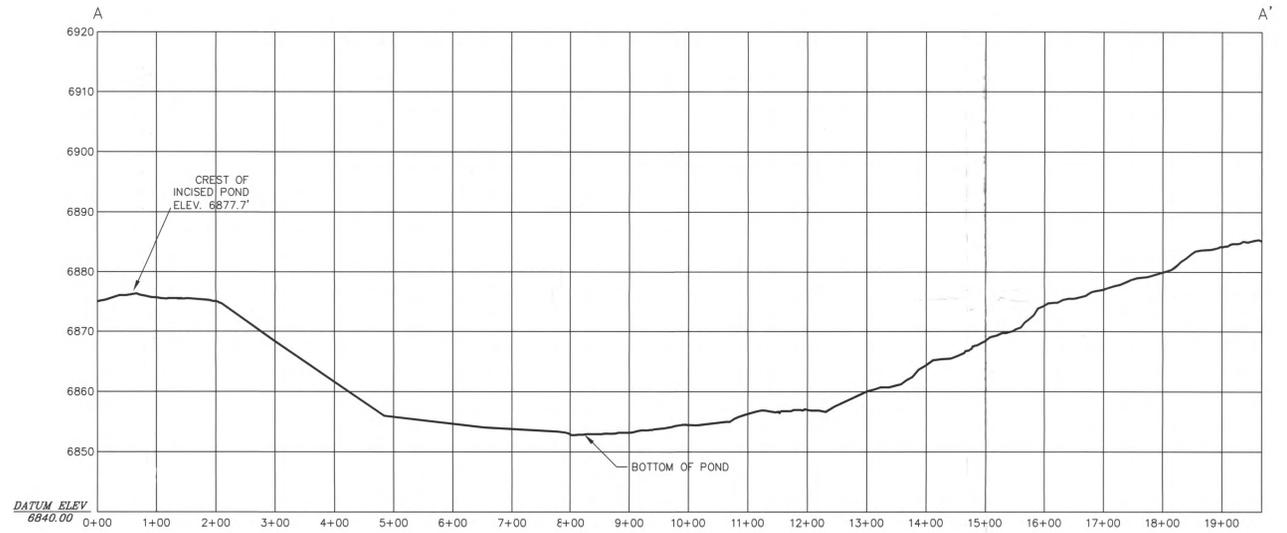
SCALE: 1" = 200'
PHOTO DATE: 3/07/2005
C.I. = 5'

REVISIONS			EXHIBIT #1	
DATE	CHK'D	DESCRIPTION	J19-RA	
			AS-BUILT	
			KAYENTA MINE	
			PEABODY WESTERN COAL COMPANY	
			P. O. BOX 550 KAYENTA, ARIZONA 86033	
			DESIGNED BY: G.A.	SCALE: 1"=200'
			DRAWN BY: M. Becenti	DRAWING DATE: 08/4/05
			CHECKED BY: JGS	PHOTO DATE: 3/07/2005
			CONTOUR INT.: 5'	DWG FILE: J19RA_DESIGN.DWG

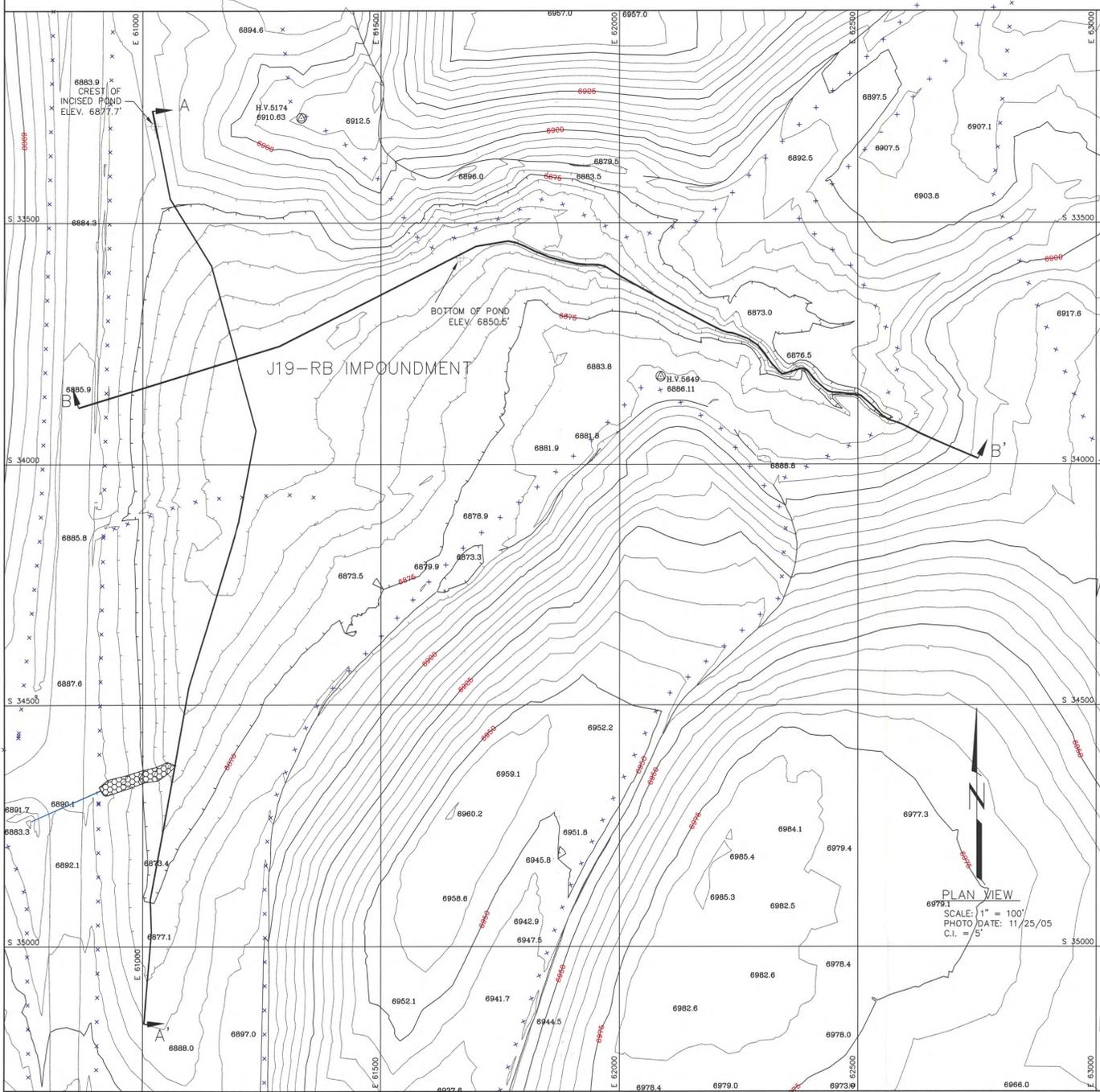
J19-RB POND AS-BUILT STAGE CAPACITY				
ELEV. (FT.-MSL)	STAGE (FT.)	AREA (ACRES)	TOT. CAP. (AC.-FT.)	DESCRIPTION
6850.5	0.0	0.00	0.00	BOTTOM OF POND
6855	4.5	3.33	5.01	
6859	8.5	6.06	23.52	ESTIMATED OPERATING LEVEL
6860	9.5	6.87	29.98	
6865	14.5	10.54	73.19	
6870.5	20.0	14.75	142.33	
6877.7	27.2	22.32	273.98	CREST OF INCISED POND

NOTE: ACCORDING TO DESIGN REPORT

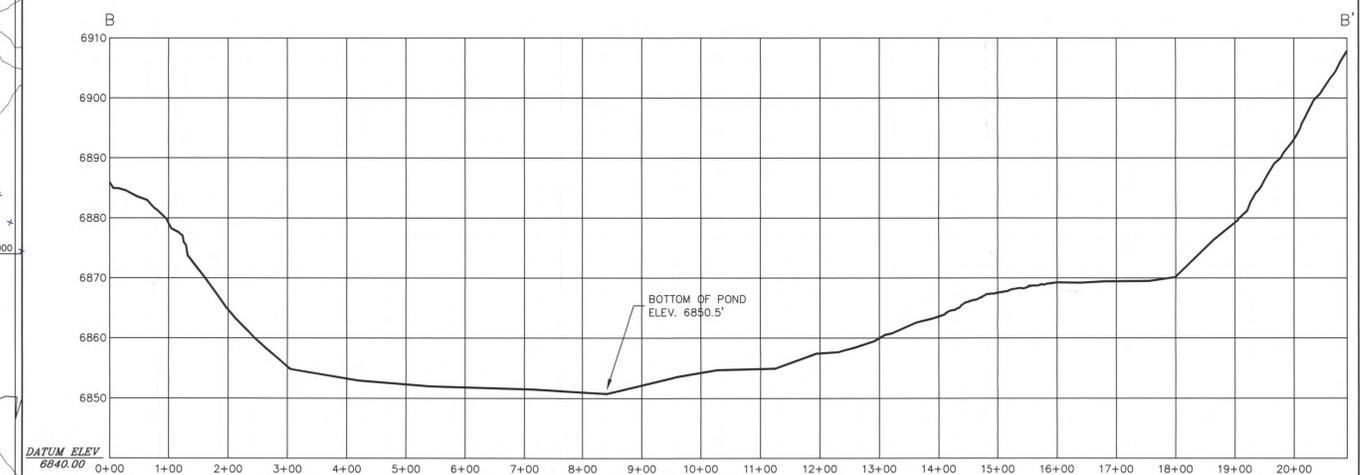
Structure J-19-RB is not required to have a spillway or outflow channel because the impoundment is designed to contain all of the PMP storm event runoff with adequate freeboard and no discharge.



SECTION A - A'
SCALE: HORIZ. 1"=100'
VERT. 1"=10'



PLAN VIEW
SCALE: 1" = 100'
PHOTO DATE: 11/25/05
C.I. = 5'



SECTION B - B'
SCALE: HORIZ. 1"=100'
VERT. 1"=10'

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816.46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW:

1. POND STAGE CAPACITY TABLE
2. PONDING AREA SHAPE
3. ELEVATIONS & DIMENSIONS REFLECTED ON THE DRAWING
4. J-19 SURFACE STABILIZATION STRUCTURES IN THE AREA OF THE POND WILL BE UPDATED IN THE 2006 ANNUAL REPORT.

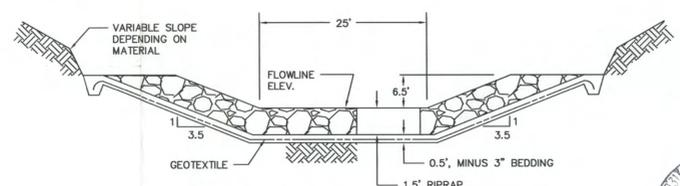
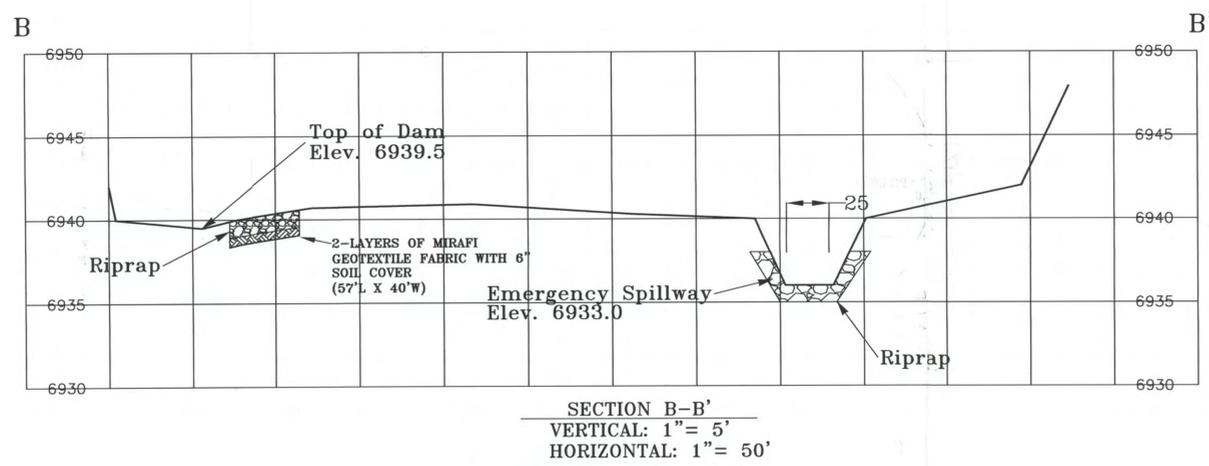
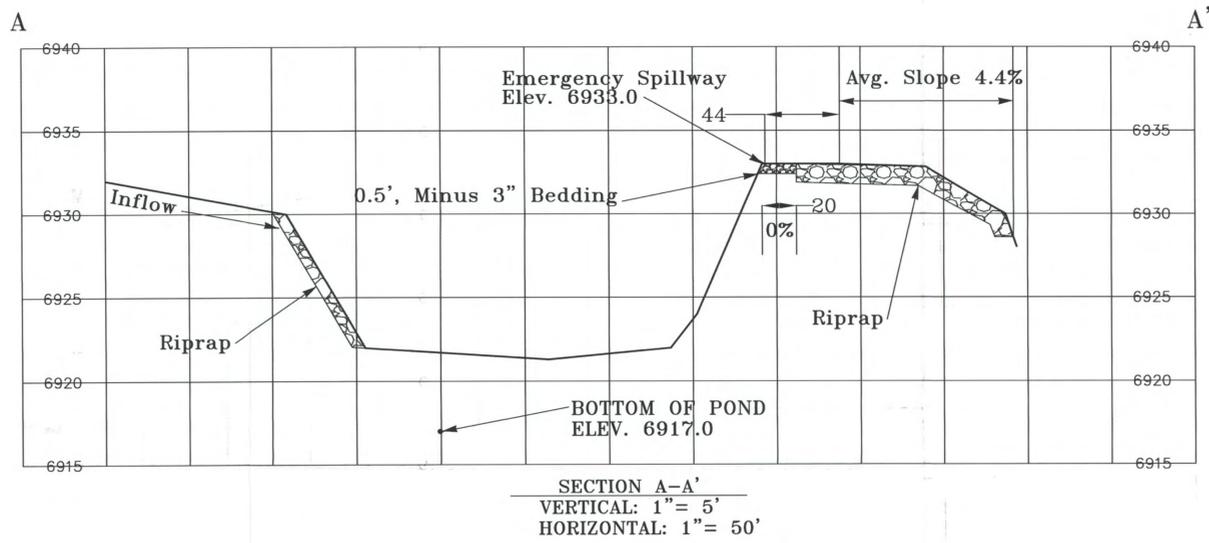
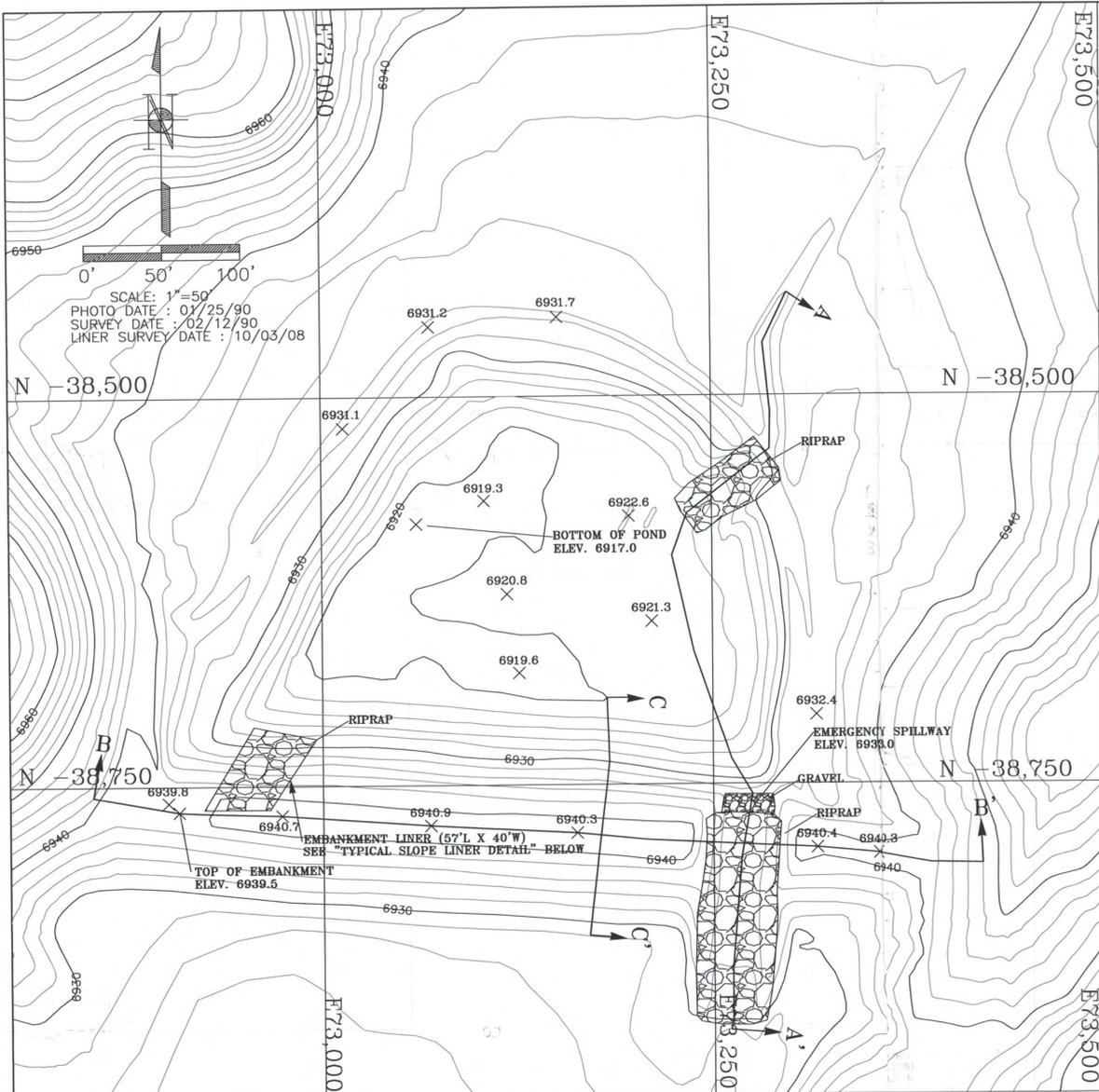
ENGINEER'S CERTIFICATION

JAMES G. SCHLENOGT
ENGINEERING SUPERVISOR
PEABODY WESTERN COAL COMPANY

ARIZONA P.E. #18782
DATE: MAY 06 2006



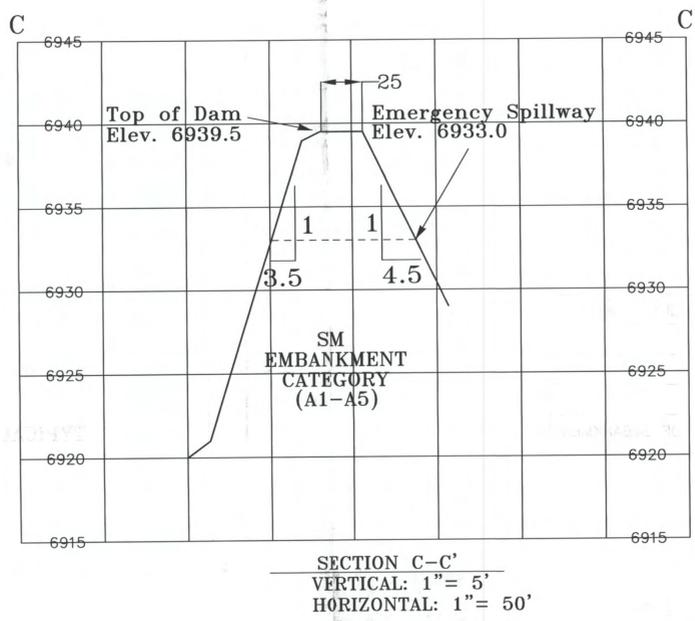
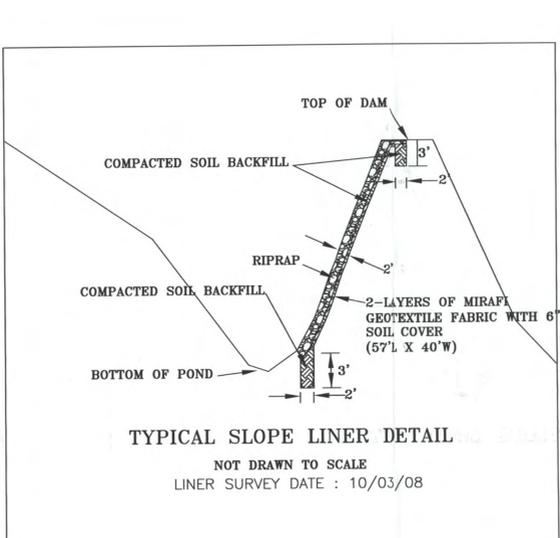
REVISIONS			EXHIBIT #1 J19-RB (2006) AS-BUILT PROPOSED PERMANENT IMPOUNDMENT	
DATE	CHK'D	DESCRIPTION		
06/01	JGS	Revised Design		
			KAYENTA MINE PEABODY WESTERN COAL COMPANY P. O. BOX 650 KAYENTA, ARIZONA 86033	
			DESIGNED BY: MW	SCALE: 1"=100'
			DRAWN BY: JMB	DRAWING DATE: 05-06-06
			CHECKED BY: JGS	PHOTO DATE: 11-25-05
			CONTOUR INT.: 5'	
DWG FILE: 050606_J19RB2006_AS_BUILT_Final.DWG				



SECTION OF EMERGENCY SPILLWAY NOT DRAWN TO SCALE

J21-A POND STAGE CAPACITY TABLE

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6917.0	0.0	0.00	0.00	0.00	BOTTOM OF POND
6918.0	1.0	0.001	0.001	0.001	
6920.0	3.0	0.341	0.341	0.342	
6922.0	5.0	0.972	1.313	1.655	
6924.0	7.0	1.169	2.141	3.796	
6926.0	9.0	1.338	2.507	6.303	
6928.0	11.0	1.491	2.829	9.132	
6930.0	13.0	1.657	3.148	12.280	
6932.0	15.0	1.977	3.634	15.914	
6933.0	16.0	2.374	2.176	18.090	EMERGENCY SPILLWAY
6934.0	17.0	2.771	2.573	20.663	
6936.0	19.0	4.104	6.875	27.538	
6938.0	21.0	5.349	9.453	36.991	
6939.5	22.5	6.249	8.699	45.690	TOP OF EMBANKMENT



I CERTIFY THE 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



GARY ALTISI
RECLAMATION SUPERVISOR
PEABODY WESTERN COAL COMPANY



ARIZONA P.E. 37842
DATE: 1/5/09

THIS DRAWING IS THE PROPERTY OF PEABODY WESTERN AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN OR INVENTION RESERVED.

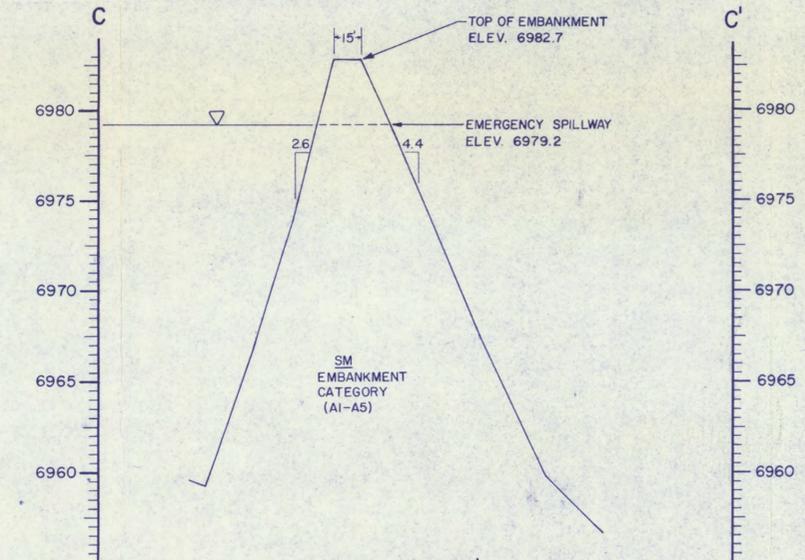
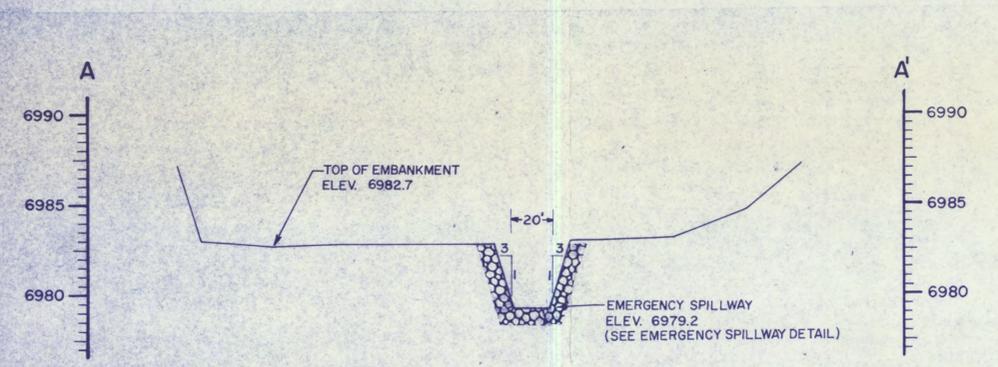
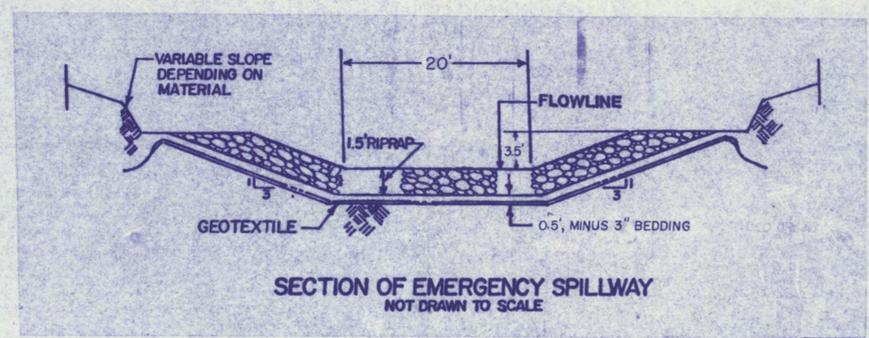
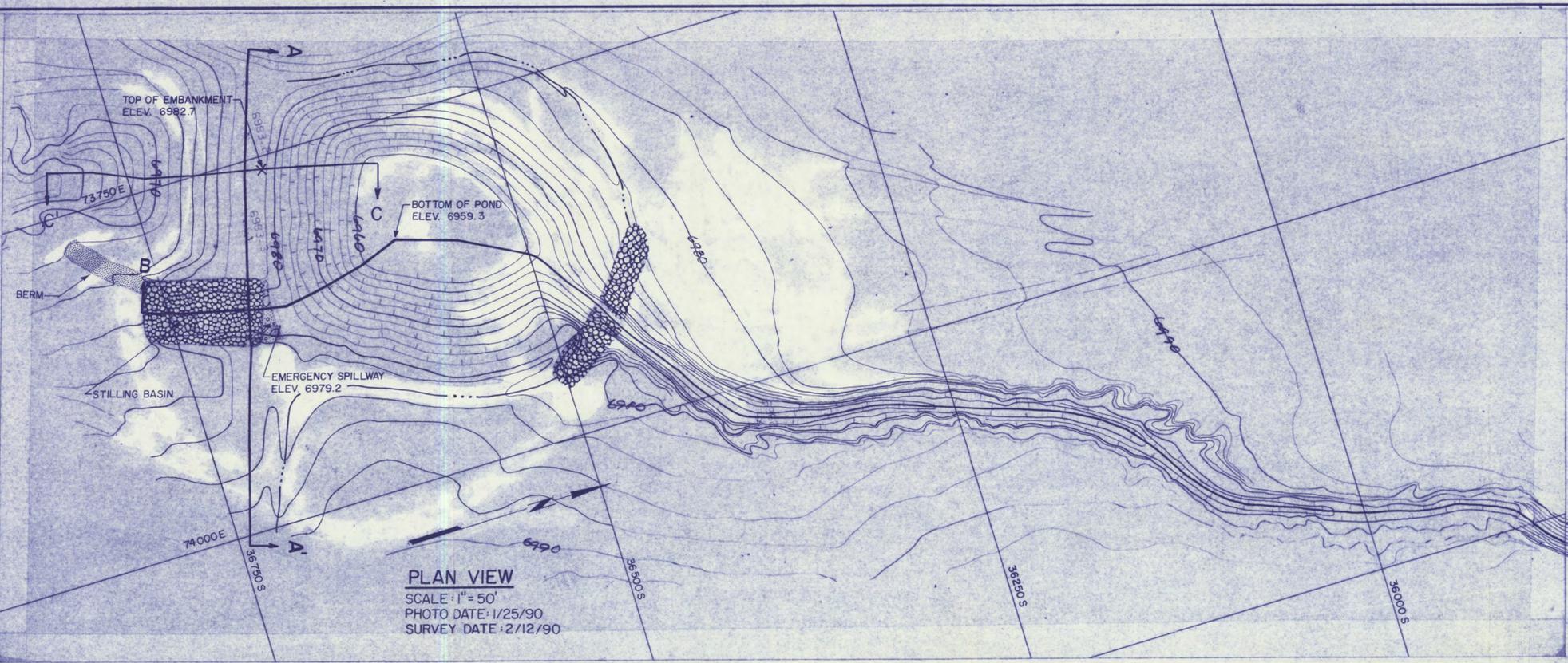
NAME	DATE
DRAWN BY: G. YELLOWHAIR	02/14/90
CHECKED BY: J.G.S.	03/15/90
SURVEYED BY: PWCC	02/12/90
REVISED BY: G.A.	12/23/08



KAYENTA MINE
Peabody Western Coal Co. P.O. Box 660 Kayenta, AZ 86033

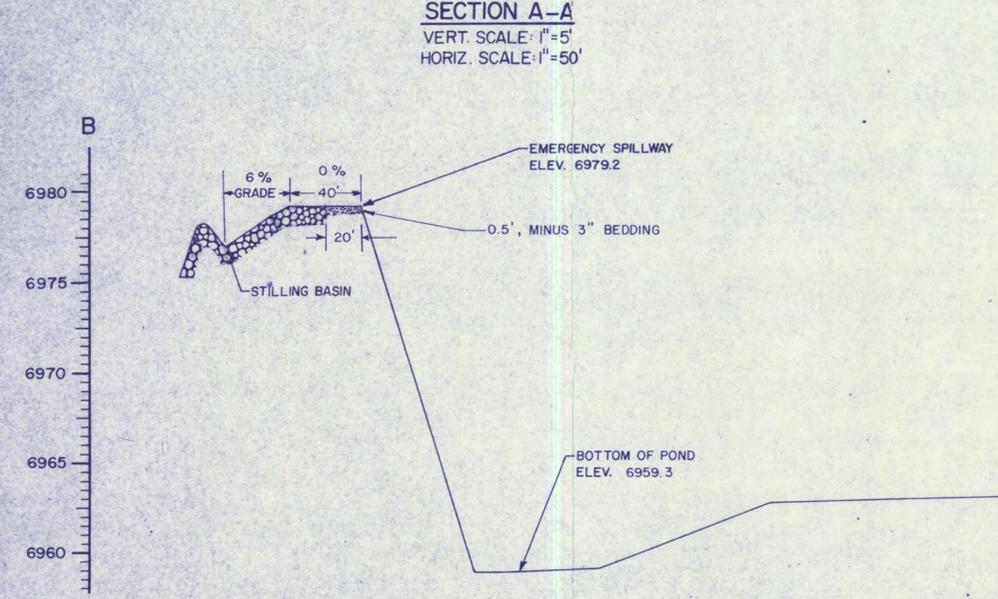
Exhibit 1
J21-A Pond
AS-BUILT

DRAWING NO.	REV.#
1 of 1	
SCALE:	
1" = 50'	



J21-A1 POND DATA

ELEVATION (FT. -MSL)	STAGE (FT.)	AREA (ACRES)	CAPACITY (AC.-FT.)	TOTAL CAPACITY (AC.-FT.)	DESCRIPTION
6959.30	0.00	0.00	0.00	0.00	BOTTOM OF POND
6960.00	0.70	0.20	0.07	0.07	
6962.00	2.70	0.24	0.44	0.51	
6964.00	4.70	0.36	0.60	1.11	
6966.00	6.70	0.48	0.84	1.95	
6968.00	8.70	0.60	1.08	3.03	
6970.00	10.70	0.76	1.36	4.39	
6972.00	12.70	0.91	1.67	6.06	
6974.00	14.70	1.07	1.98	8.04	
6976.00	16.70	1.27	2.34	10.38	
6978.00	18.70	1.48	2.75	13.13	
6979.20	19.90	1.68	1.90	15.03	EMERGENCY SPILLWAY
6980.00	20.70	1.82	1.40	16.43	
6982.00	22.70	2.31	4.13	20.56	
6982.70	23.40	2.53	1.69	22.25	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.

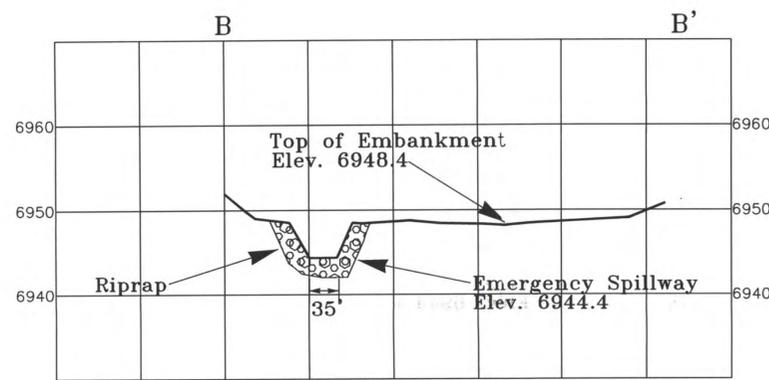
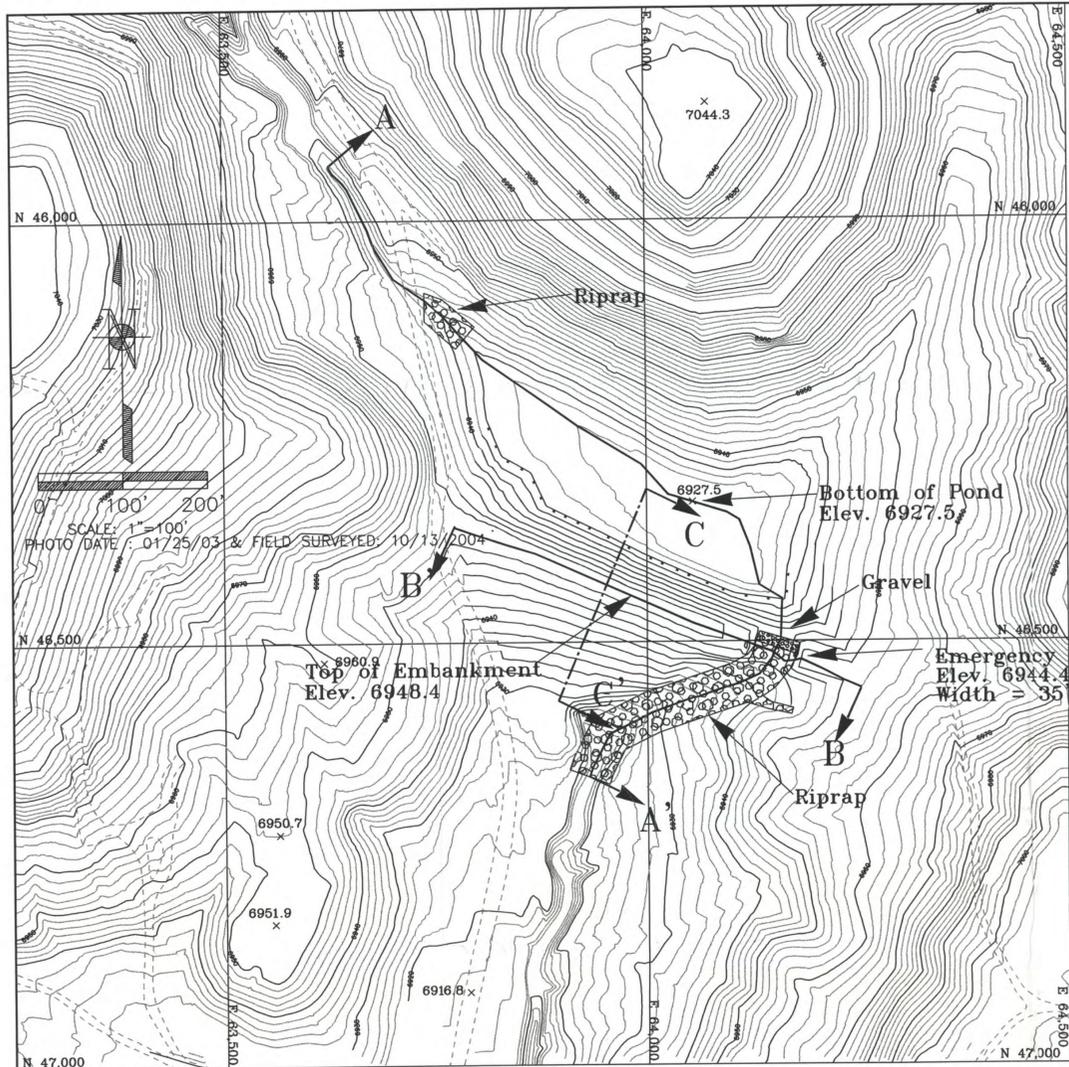
James H. Schenck
 Senior Engineer
 Peabody Coal Company
 Arizona, U.S.A.

Arizona P.E. #18782
 Date: MAR 15 1990

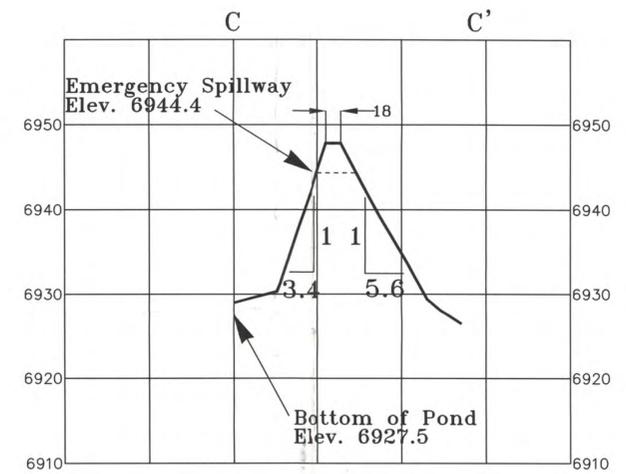
PEABODY COAL COMPANY
 BLACK MESA - KAYENTA MINE
 1300 SOUTH YALE FLAGSTAFF, ARIZONA 86001

J21-A1 POND
 (AS-BUILT)

SCALE: AS SHOWN	DRAWN BY: G.Y.
DATE: 2/21/90	DRAWING NO:
REVISION:	APPROVED BY: J.G.S.



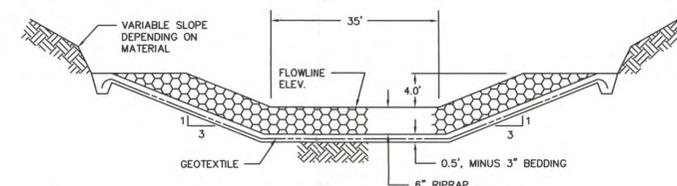
SECTION B-B'
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 100'



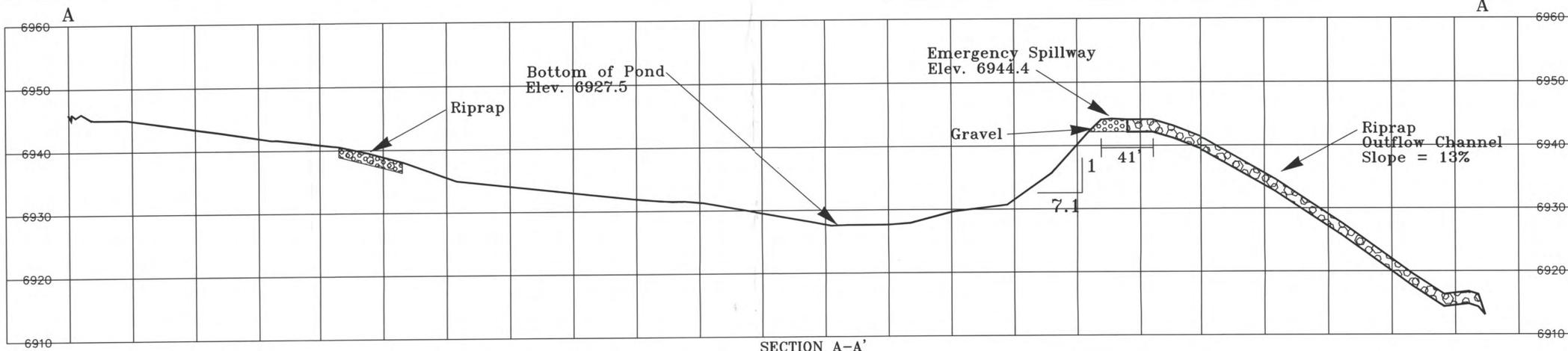
SECTION C-C'
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 100'

J21-G1 POND STAGE CAPACITY TABLE

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6927.5	0.0	0.00	0.00	0.00	BOTTOM OF POND
6928.0	0.5	0.02	0.01	0.01	
6930.0	2.5	0.21	0.24	0.24	
6932.0	4.5	0.44	0.66	0.90	
6934.0	6.5	0.81	1.26	2.16	
6936.0	8.5	1.18	2.00	4.15	
6938.0	10.5	1.43	2.62	6.77	
6940.0	12.5	1.72	3.16	9.93	
6942.0	14.5	2.04	3.77	13.69	
6944.0	16.5	2.43	4.48	18.17	
6944.4	16.9	2.52	0.99	19.16	EMERGENCY SPILLWAY
6946.0	18.5	2.91	4.34	23.50	
6948.4	20.9	3.56	7.76	31.27	TOP OF EMBANKMENT



SECTION OF EMERGENCY SPILLWAY OUTFLOW
NOT DRAWN TO SCALE



SECTION A-A'
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 50'

I CERTIFY IN ACCORDANCE WITH THE REQUIREMENTS OF 30 CFR 750.16 AND 816.46(b)(3) THAT THE SILTATION CONTROL STRUCTURE WAS CONSTRUCTED AS DESIGNED BY PEABODY WESTERN COAL CO. AND AS APPROVED BY THE OFFICE OF SURFACE MINING, WITH THE EXCEPTIONS OF CERTAIN DIFFERENCES THAT ARE LISTED BELOW:

1. POND STAGE CAPACITY TABLE
2. ROCK DOWNRAIN AT INLET
3. ROCK DIVERSION AT SPILLWAY DOWNRAIN
4. ELEVATIONS - DIMENSIONS REFLECTED ON THE DRAWING

ENGINEER'S CERTIFICATION
JAMES G. SCHLENOVGT
ENGINEERING SUPERVISOR
PEABODY WESTERN COAL COMPANY

ARIZONA P.E. #18782
DATE: OCT 15 2004



THIS DRAWING IS THE PROPERTY OF PEABODY WESTERN AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN OR INVENTION RESERVED.

NAME	DATE
DRAWN BY: J.SCHLENOVGT	10/15/04
DESIGNED BY: J.SCHLENOVGT	10/15/04
CHECKED BY: J.SCHLENOVGT	10/15/04
SURVEYED BY: J.SCHLENOVGT	10/15/04



KAYENTA MINE
Peabody Western Coal Co. P.O. Box 650 Kayenta, AZ 86003
Exhibit 1
J21-G1 Sedimentation Pond
REVISED_AS-BUILT

DRAWING NO.	REV.#
1 of 1	1
SCALE: 1" = 100'	

J21-G1