


PLAN VIEW
 SCALE: 1" = 60'
 SURVEY DATE: 09-22-99
 C.I. = 2'

J7-T POND STAGE CAPACITY TABLE

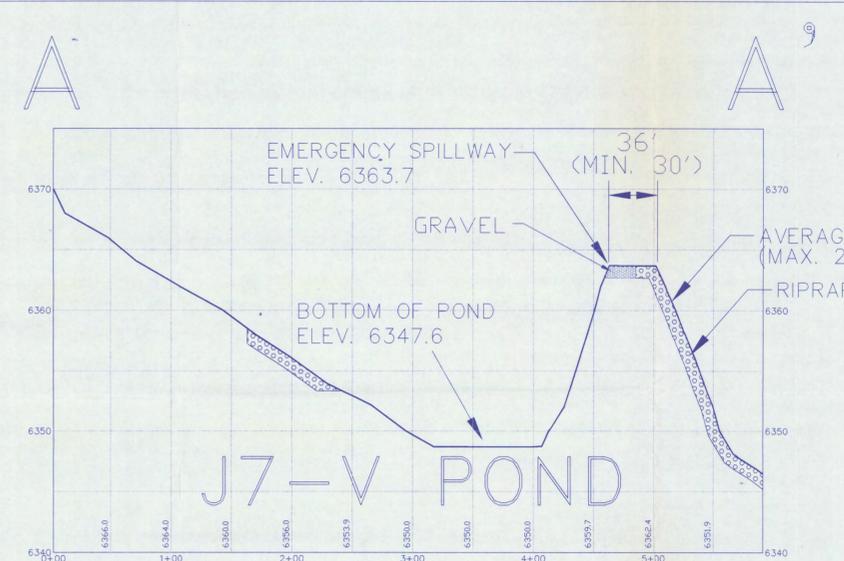
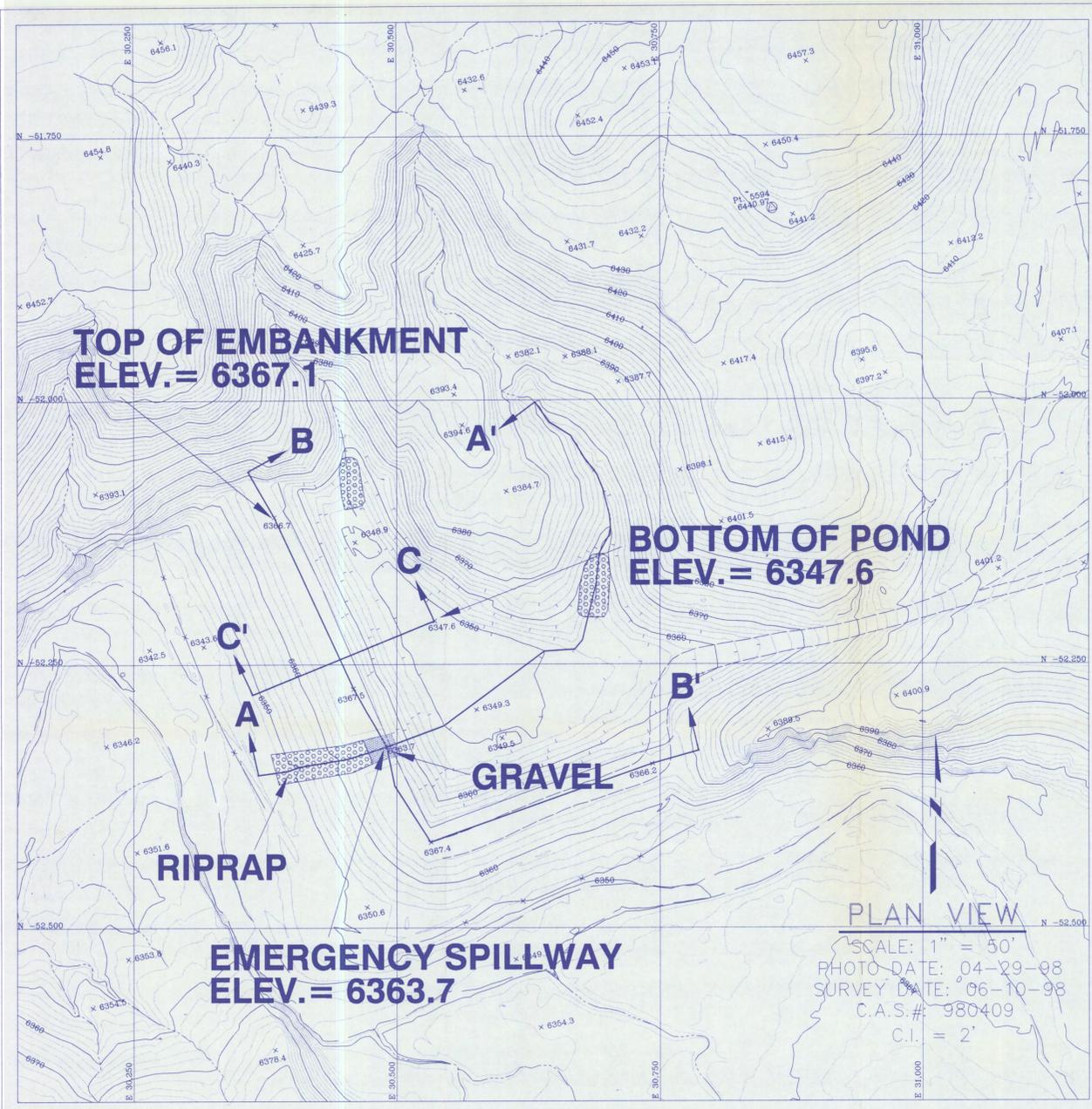
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6323.1	0.0	0.00	0.00	0.00	BOTTOM OF POND
6324.0	0.9	0.33	0.15	0.15	
6326.0	2.9	0.70	1.03	1.18	
6328.0	4.9	0.85	1.55	2.73	
6330.0	6.9	1.00	1.85	4.58	
6332.0	8.9	1.14	2.14	6.72	
6334.0	10.9	1.29	2.43	9.15	
6336.0	12.9	1.46	2.75	11.90	
6337.9	14.8	1.62	2.93	14.83	EMERGENCY SPILLWAY
6338.0	14.9	1.63	0.16	14.99	
6340.0	16.9	1.80	3.43	18.42	
6340.5	17.4	1.84	0.91	19.33	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

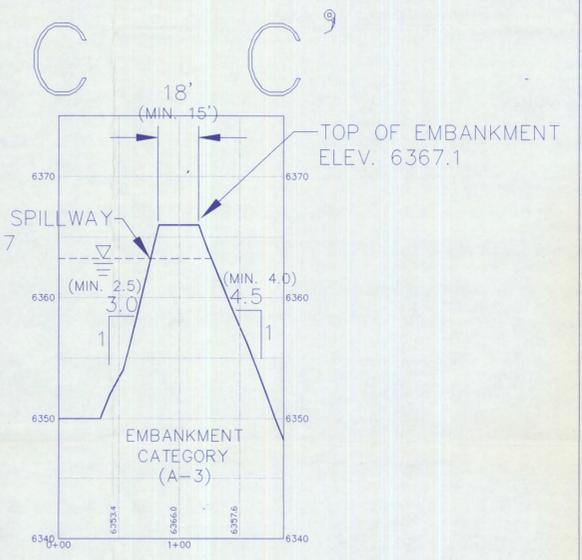

ENGINEER'S CERTIFICATION
 RANDOLPH S. LEHN
 PEABODY WESTERN COAL COMPANY
 ARIZONA P.E. 26858
 DATE: OCT 29 1999



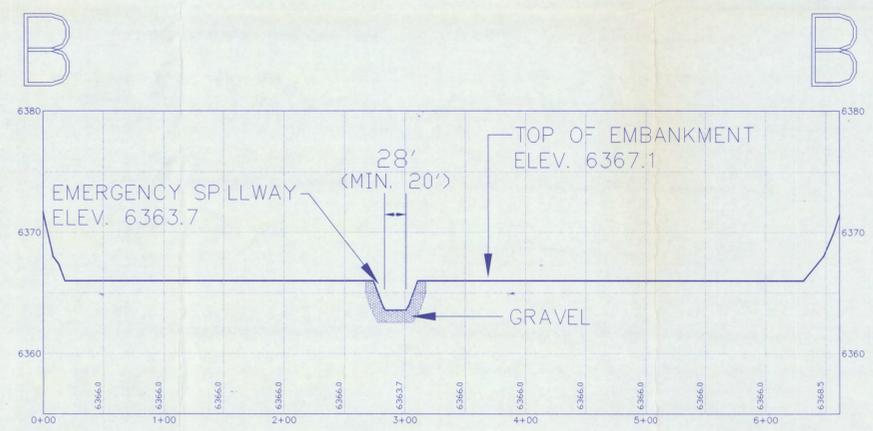
REVISIONS			J7-T POND AS-BUILT BLACK MESA MINE PEABODY WESTERN COAL COMPANY PO BOX 605 KAYENTA, ARIZONA 86033	
DATE	CHK'D	DESCRIPTION		
			DRAWN BY: CI	DRAWING DATE: 09-22-99
			CHECKED BY: RL	SURVEY DATE: 09-22-99
			CONTOUR INT.: 2'	DWG FILE: J7-T A..9.DWG



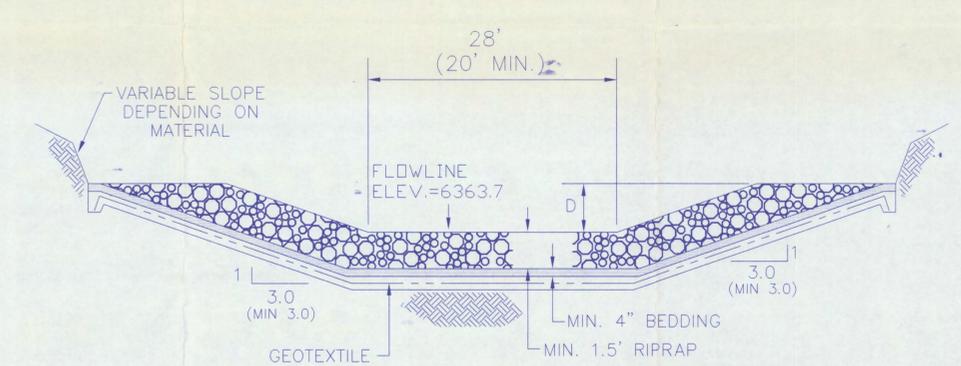
SECTION A - A'
 VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



SECTION C - C'
 VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



SECTION B - B'
 VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 50'



SPILLWAY D=3.5' (MINIMUM=2.5')
 OUTFLOW CHANNEL D=3.0' (MINIMUM=2.0')

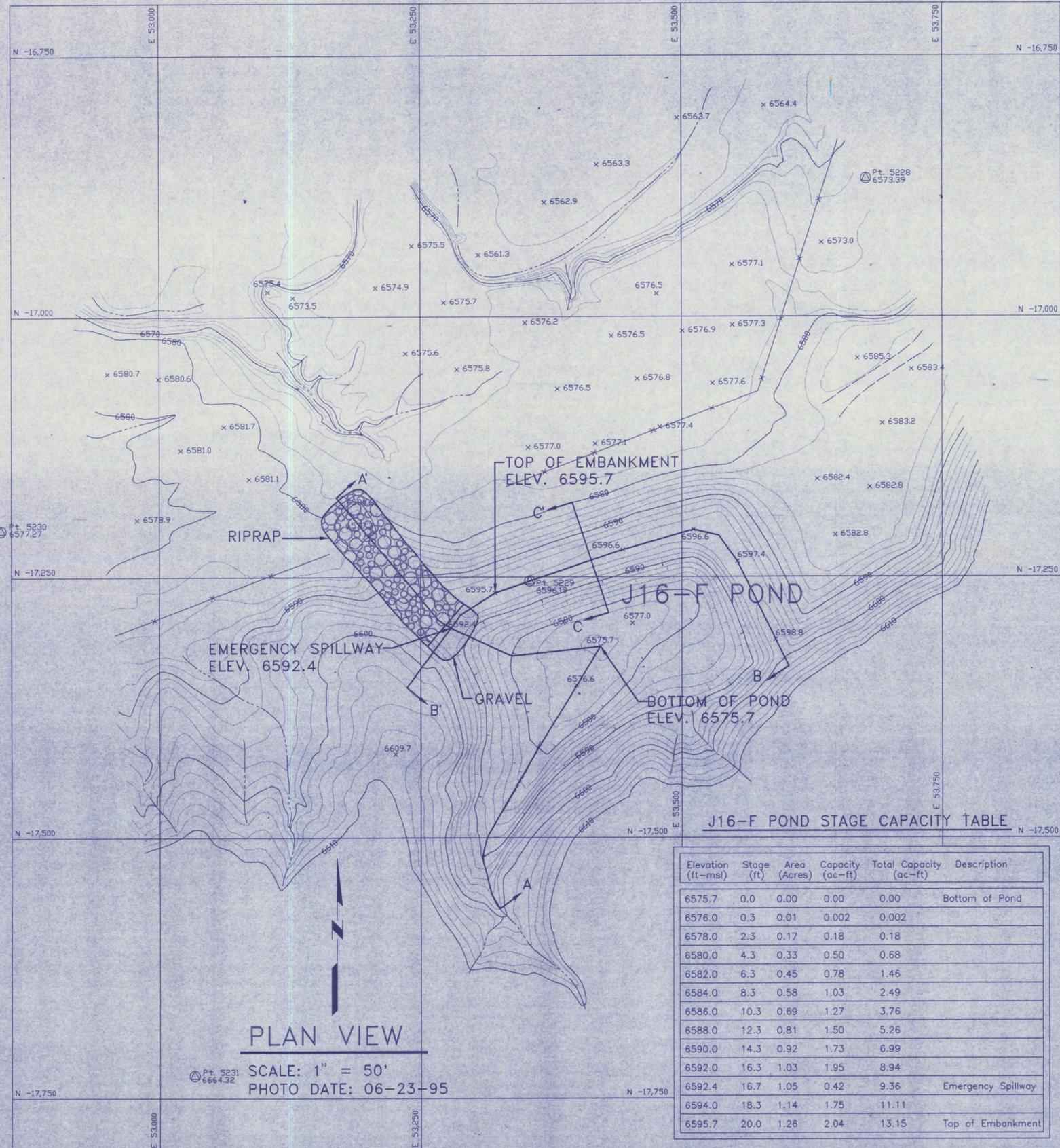
J7-V POND
 TYPICAL CROSS-SECTION OF EMERGENCY SPILLWAY
 NOT TO SCALE

J7-V POND STAGE CAPACITY TABLE					
ELEVATION (ft-msl)	STAGE (ft)	AREA (acres)	CAPACITY (ac-ft)	TOTAL CAPACITY (ac-ft)	DESCRIPTION
6347.6	0.0	0.00	0.00	0.00	BOTTOM OF POND
6350.0	2.4	0.32	0.38	0.38	
6352.0	4.4	0.56	0.88	1.26	
6354.0	6.4	0.74	1.30	2.56	
6356.0	8.4	0.90	1.64	4.20	
6358.0	10.4	1.07	1.97	6.17	
6360.0	12.4	1.23	2.30	8.47	
6362.0	14.4	1.40	2.63	11.10	
6363.7	16.1	1.55	2.51	13.61	EMERGENCY SPILLWAY
6364.0	16.4	1.58	0.47	14.08	
6366.0	18.4	1.77	3.35	17.43	
6367.1	19.5	1.87	2.00	19.43	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

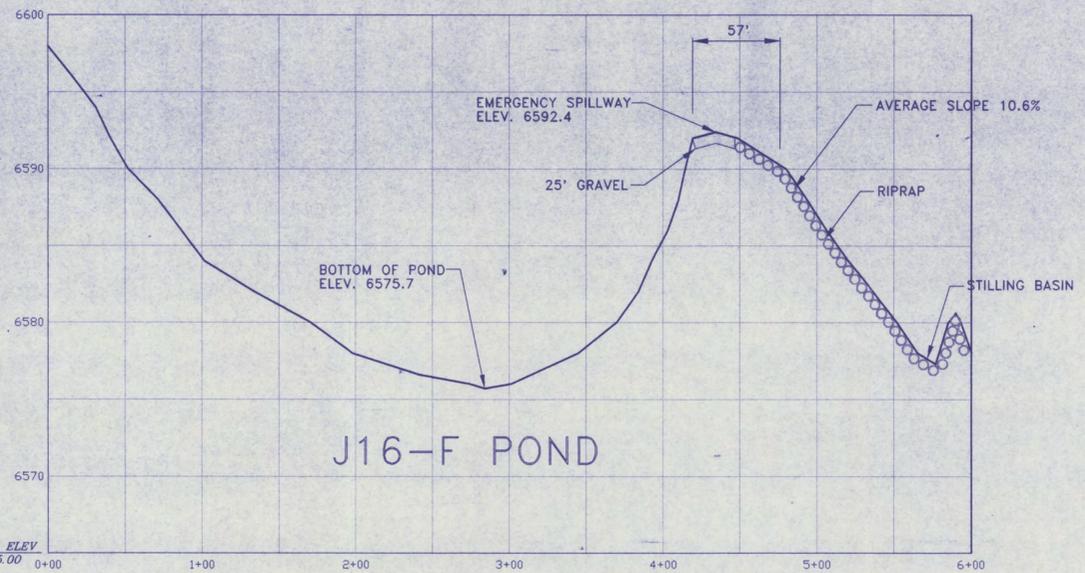


REVISIONS			J7-V POND AS-BUILT	
DATE	CHK'D	DESCRIPTION	DESIGNED BY: PWCC	SCALE: AS SHOWN
			DRAWN BY: SMM	DRAWING DATE: 06-15-98
			CHECKED BY: JGS	PHOTO DATE: 04-29-98
			CONTOUR INT.: 2'	DWG FILE: J7-VPO-1.DWG

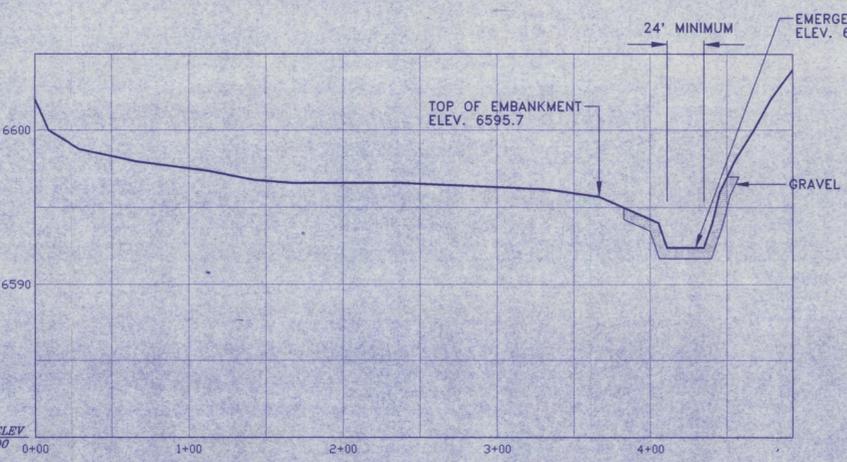


J16-F POND STAGE CAPACITY TABLE

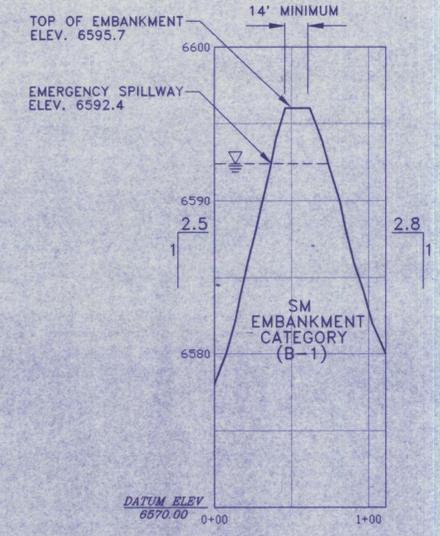
Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6575.7	0.0	0.00	0.00	0.00	Bottom of Pond
6576.0	0.3	0.01	0.002	0.002	
6578.0	2.3	0.17	0.18	0.18	
6580.0	4.3	0.33	0.50	0.68	
6582.0	6.3	0.45	0.78	1.46	
6584.0	8.3	0.58	1.03	2.49	
6586.0	10.3	0.69	1.27	3.76	
6588.0	12.3	0.81	1.50	5.26	
6590.0	14.3	0.92	1.73	6.99	
6592.0	16.3	1.03	1.95	8.94	
6592.4	16.7	1.05	0.42	9.36	Emergency Spillway
6594.0	18.3	1.14	1.75	11.11	
6595.7	20.0	1.26	2.04	13.15	Top of Embankment



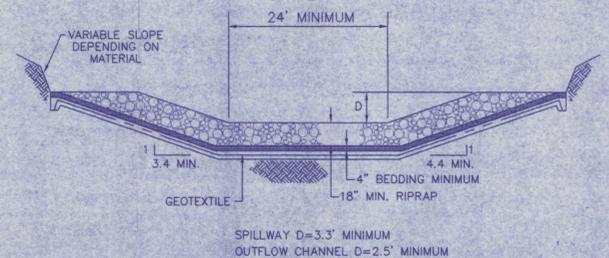
PROFILE SECTION A - A



PROFILE SECTION B - B'



CROSS SECTION C - C'

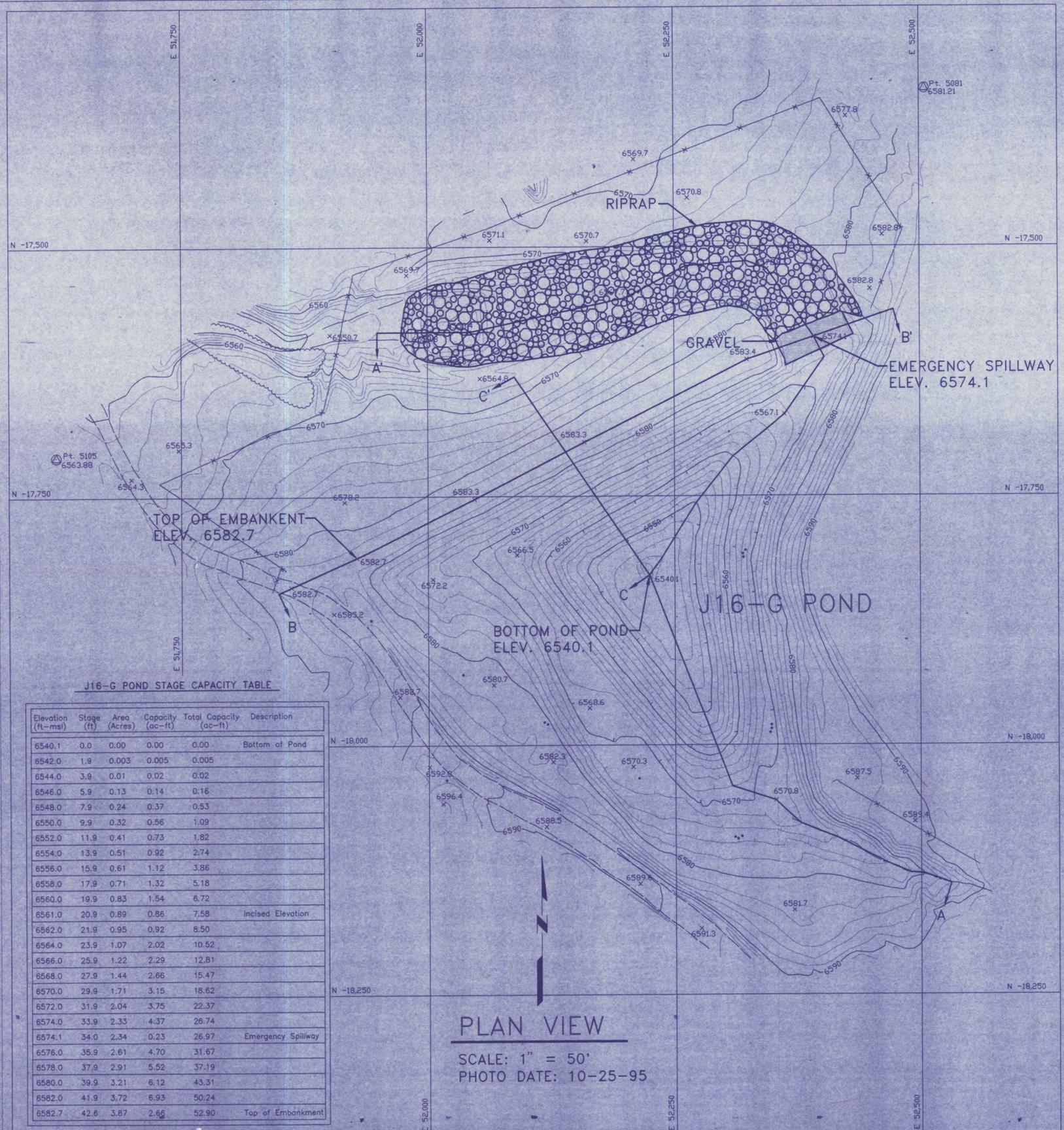


I certify that this Spillway Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

RAYMOND A. BENJAMIN
PEABODY WESTERN COAL COMPANY

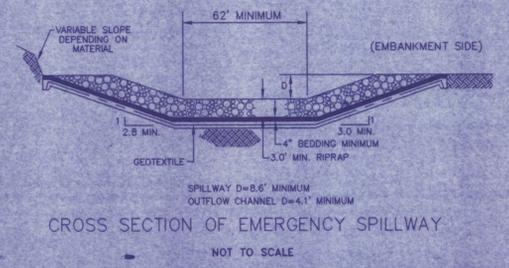
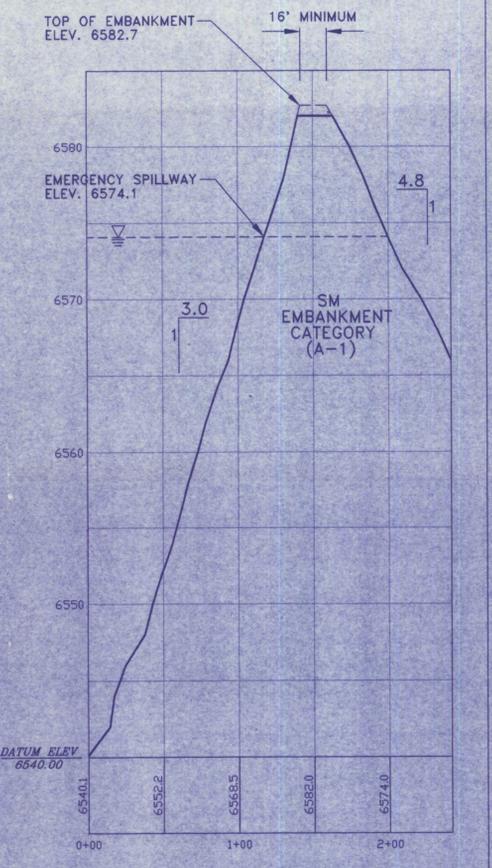
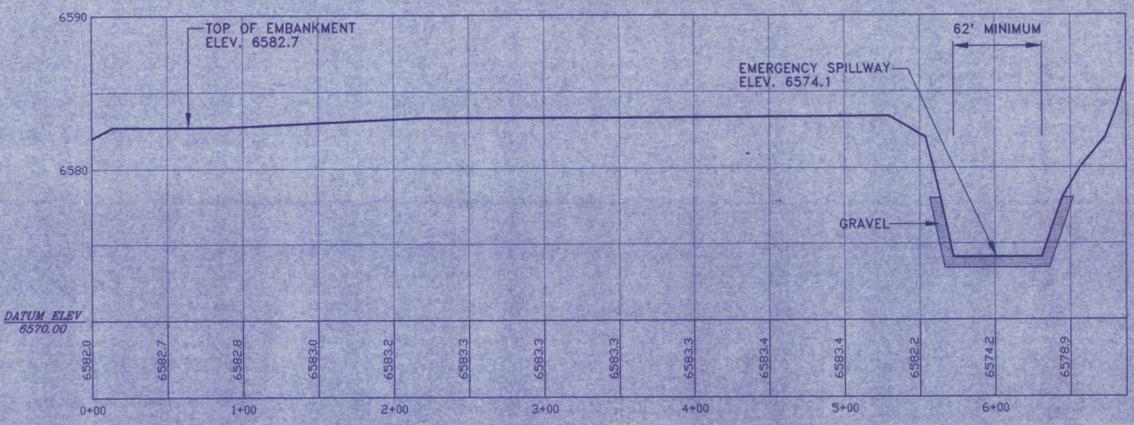
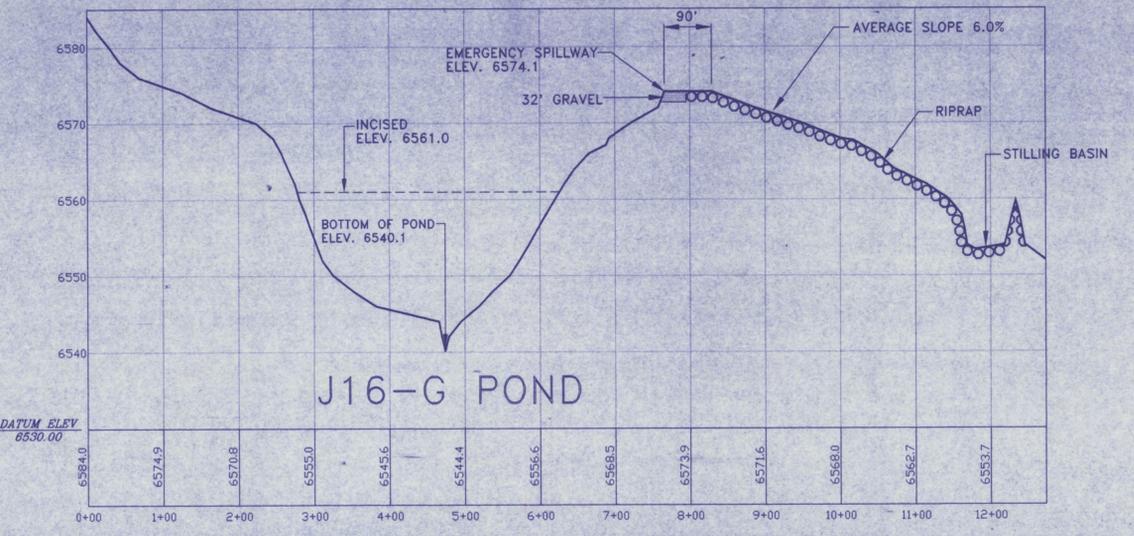
ARIZONA P.E. 15264
11/9/95
DATE

REVISIONS		J16-F POND (AS - BUILT)	
CHK'D DATE	DESCRIPTION	KAYENTA MINE	
		PEABODY WESTERN COAL CO. 1300 S.YALE FLAGSTAFF, AZ. 86001	
		DESIGNED BY: P.W.C.C. SCALE: AS SHOWN	
		DRAWN BY: E.F.D. DRAWING DATE: 10-31-95	
		CHECKED BY: R.A.B. PHOTO DATE: 06-23-95	
		CONTOUR INTERVAL: 2.0'	



J16-G POND STAGE CAPACITY TABLE

Elevation (ft-msl)	Stage (ft)	Area (Acres)	Capacity (ac-ft)	Total Capacity (ac-ft)	Description
6540.1	0.0	0.00	0.00	0.00	Bottom of Pond
6542.0	1.9	0.003	0.005	0.005	
6544.0	3.9	0.01	0.02	0.02	
6546.0	5.9	0.13	0.14	0.16	
6548.0	7.9	0.24	0.37	0.53	
6550.0	9.9	0.32	0.56	1.09	
6552.0	11.9	0.41	0.73	1.82	
6554.0	13.9	0.51	0.92	2.74	
6556.0	15.9	0.61	1.12	3.86	
6558.0	17.9	0.71	1.32	5.18	
6560.0	19.9	0.83	1.54	6.72	
6561.0	20.9	0.89	0.86	7.58	Incised Elevation
6562.0	21.9	0.95	0.92	8.50	
6564.0	23.9	1.07	2.02	10.52	
6566.0	25.9	1.22	2.29	12.81	
6568.0	27.9	1.44	2.66	15.47	
6570.0	29.9	1.71	3.15	18.62	
6572.0	31.9	2.04	3.75	22.37	
6574.0	33.9	2.33	4.37	26.74	
6574.1	34.0	2.34	0.23	26.97	Emergency Spillway
6576.0	35.9	2.61	4.70	31.67	
6578.0	37.9	2.91	5.52	37.19	
6580.0	39.9	3.21	6.12	43.31	
6582.0	41.9	3.72	6.93	50.24	
6582.7	42.6	3.87	2.66	52.90	Top of Embankment



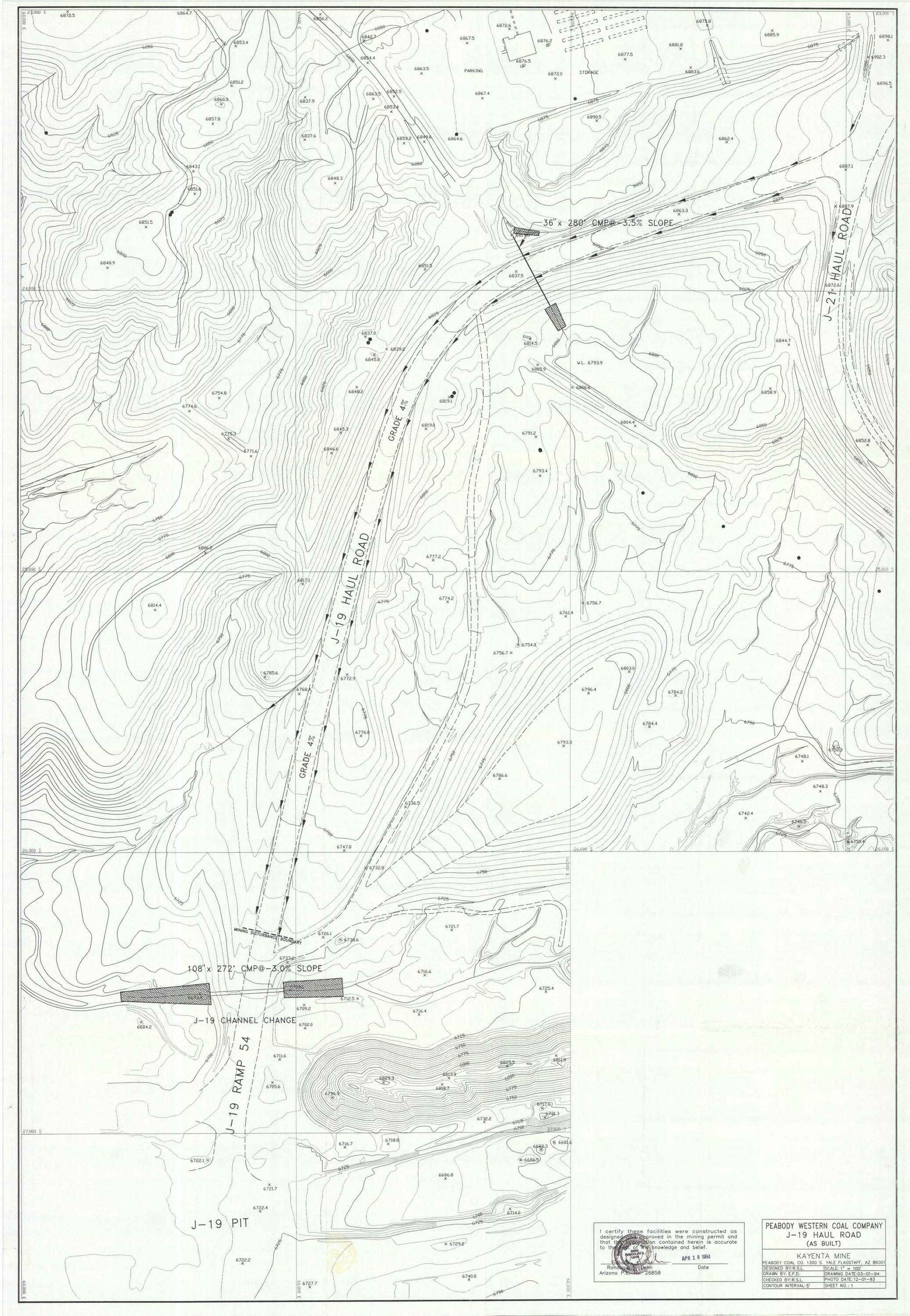
I certify that this Siltation Structure was constructed in accordance with the approved mining permit and that the information contained herein accurately describes the constructed structure to the best of my knowledge and belief.

Raymond A. Benally
 RAYMOND A. BENALLY
 PEABODY WESTERN COAL COMPANY

ARIZONA P.E. 15264
 DATE

CHK'D	DATE	DESCRIPTION

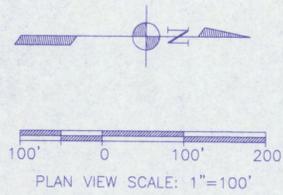
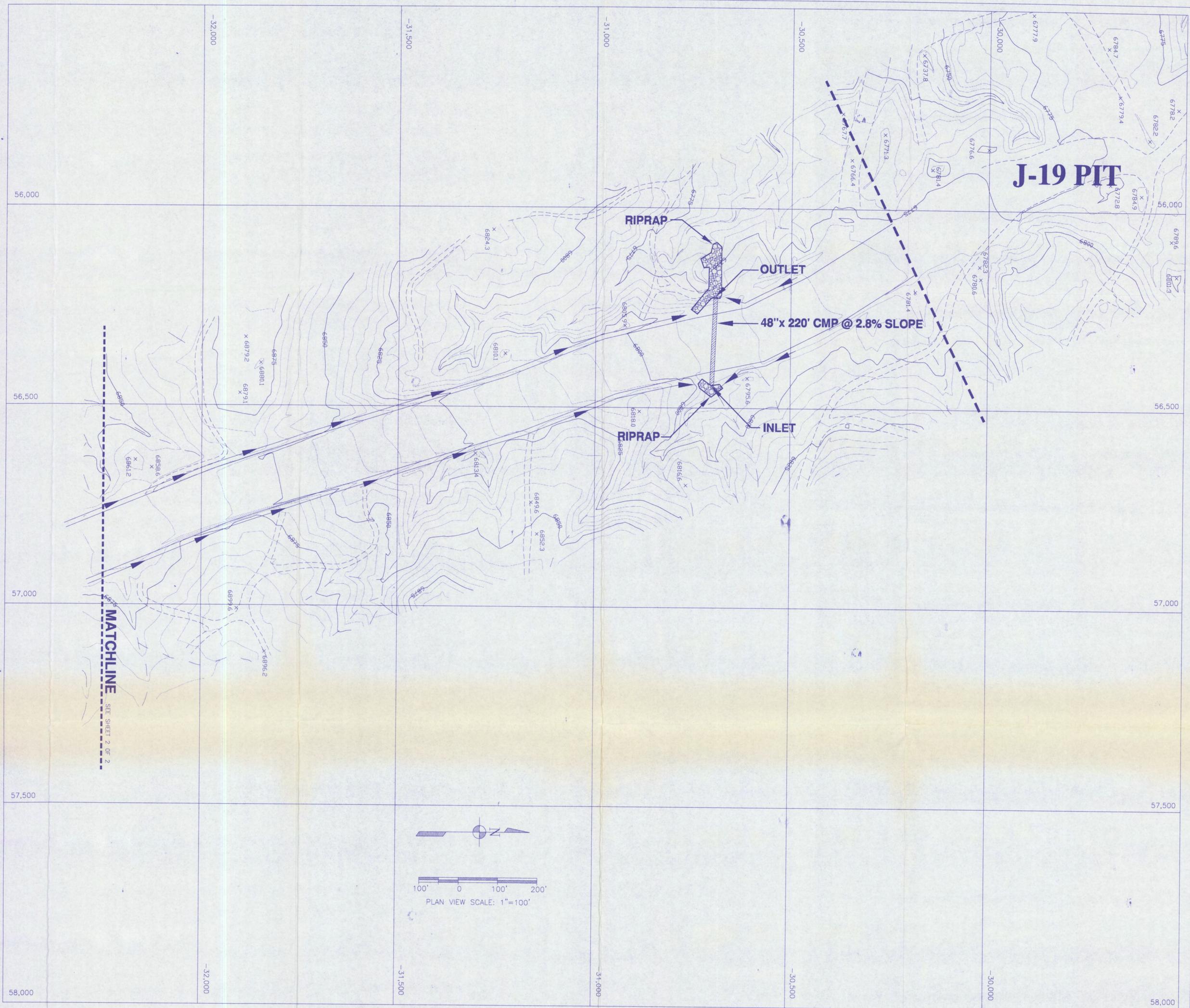
J16-G POND (AS - BUILT)
 KAYENTA MINE
 PEABODY WESTERN COAL CO. 1300 S.VALE FLAGSTAFF, AZ. 86001
 DESIGNED BY: P.W.C.C. SCALE: AS SHOWN
 DRAWN BY: E.F.D. DRAWING DATE: 12-11-95
 CHECKED BY: R.A.B. PHOTO DATE: 10-25-95
 CONTOUR INTERVAL: 2.0'



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.


 APR 18 1994
 Robert J. Leggett Date
 Arizona Professional Engineer License No. 26858

PEABODY WESTERN COAL COMPANY
J-19 HAUL ROAD
(AS BUILT)
 KAYENTA MINE
 PEABODY COAL CO. 1300 S. YALE FLAGSTAFF, AZ 86001
 DESIGNED BY: R.S.L. SCALE: 1" = 100'
 DRAWN BY: E.F.D. DRAWING DATE: 03-01-94
 CHECKED BY: R.S.L. PHOTO DATE: 12-01-93
 CONTOUR INTERVAL: 5' SHEET NO.: 1

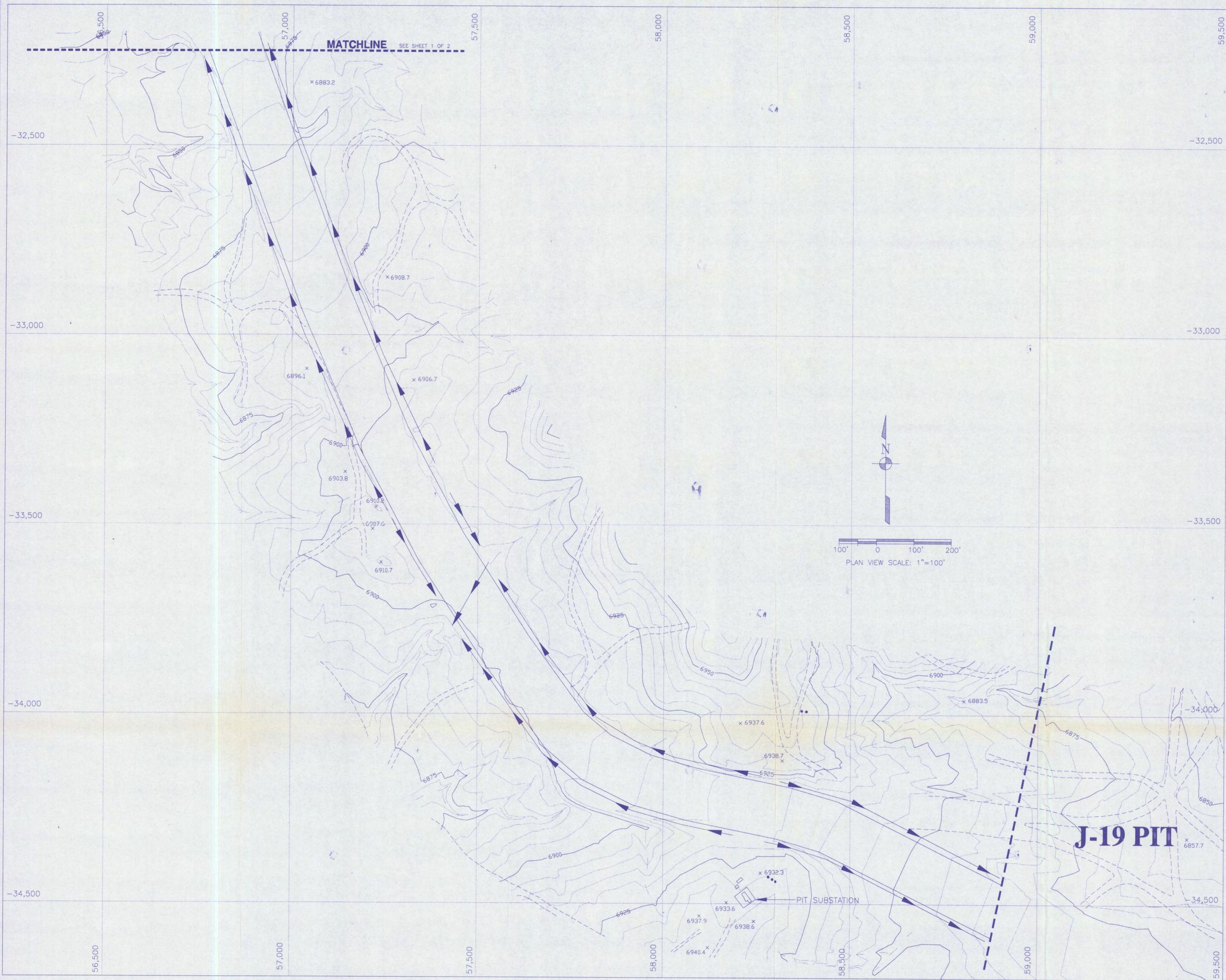


I certify these facilities were constructed as designed and approved in the mining permit and that the information contained herein is accurate to the best of my knowledge and belief.


 DEC 3 1997
 Date
 Peabody Western Coal Company
 Arizona 86001 26858

PEABODY WESTERN COAL COMPANY
J-19 DEADHEAD ROAD
(AS BUILT)

KAYENTA MINE
 PEABODY COAL CO. 1300 S. YALE FLAGSTAFF, AZ 86001
 DESIGNED BY: RSL SCALE: 1" = 100'
 DRAWN BY: EFD DRAWING DATE: 12-02-97
 CHECKED BY: RSL PHOTO DATE: 10-01-97
 CONTOUR INTERVAL: 5.0' SHEET NO.: 1 OF 2



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.


 Ronald S. Lohm
 Arizona License No. 2858

DEC 3 1997
 Date

PEABODY WESTERN COAL COMPANY
 J-19 DEADHEAD ROAD
 (AS BUILT)

KAYENTA MINE
 PEABODY COAL CO. 1300 S. YALE FLAGSTAFF, AZ 86001

DESIGNED BY: RSL	SCALE: 1"=100'
DRAWN BY: EPD	DRAWING DATE: 12-02-97
CHECKED BY: RSL	PHOTO DATE: 10-01-97
CONTOUR INTERVAL: 5.0'	SHEET NO.: 2 OF 2