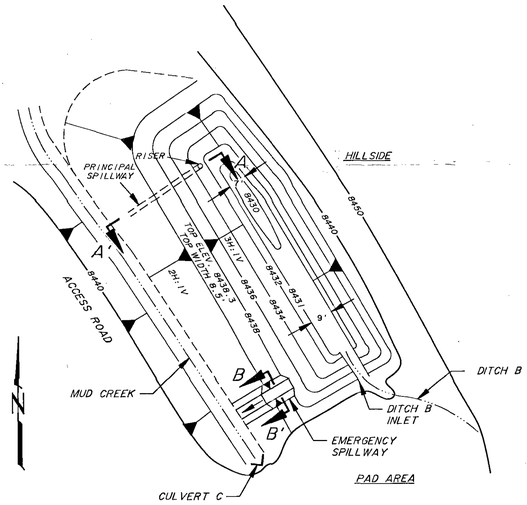
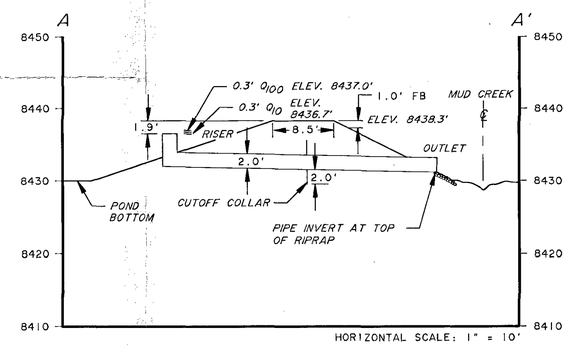
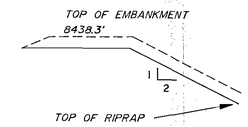


BLAZON SEDIMENTATION POND - PLAN VIEW

1" = 30'

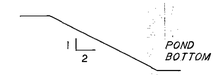


SEDIMENTATION POND
SECTION A-A'



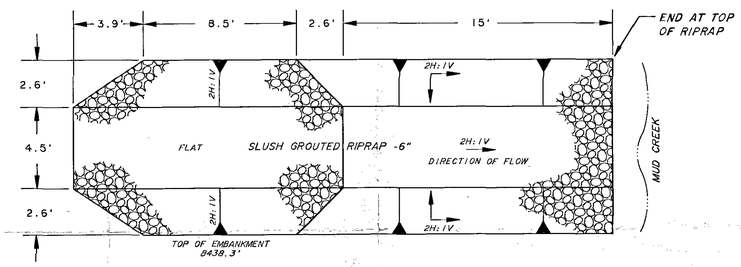
EMERGENCY SPILLWAY PROFILE

1" = 10'



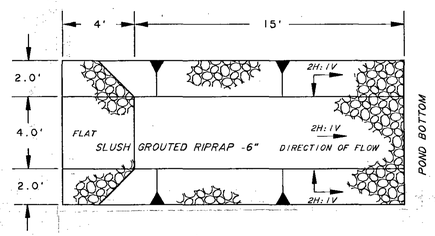
DITCH B INLET PROFILE

1" = 10'



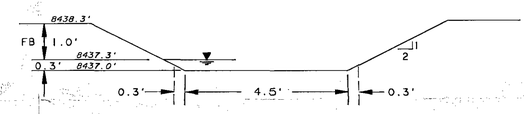
EMERGENCY SPILLWAY OVERFLOW
PLAN VIEW

1" = 4.0'



DITCH B INLET
PLAN VIEW

1" = 4.0'



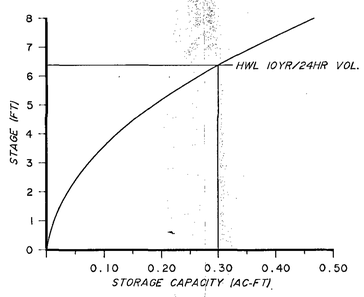
EMERGENCY SPILLWAY OVERFLOW
SECTION B-B'

1" = 2'

STAGE (FT)	AREA (AC)	AVERAGE AREA (AC)	VOLUME (AC-FT)	CUMULATIVE VOLUME (AC-FT)
0	.002			
		.010	.010	.010
1	.018			
		.025	.025	.035
2	.031			
		.037	.037	.072
3	.043			
		.049	.049	.121
4	.055			
		.063	.063	.184
5	.071			
		.079	.079	.263
6	.086			
HWL 6.4		.094	.094	.357
7	.102			
		.110	.110	.467
8	.118			
		.119	.035	.502
TOP 8.3	.120			

REQUIRED CAPACITY = 0.290 AC-FT
CAPACITY AT STAGE 6.4' = 0.301 AC-FT

STORAGE/CAPACITY



STAGE STORAGE CURVE

DESIGN WATER VOLUME	0.26 AC-FT
DESIGN SEDIMENT VOLUME	0.03 AC-FT
TOTAL DESIGN VOLUME	0.29 AC-FT
ELEVATION, CREST OF EMBANKMENT	
DESIGN	8438.3 FT
CONSTRUCTED	8438.7 FT
ELEVATION, 100YR/24HR FLOW	8437.0 FT
ELEVATION, 10YR/24HR FLOW	8436.7 FT
FREEBOARD	1.0 FT
ELEVATION, EMERGENCY SPILLWAY OVERFLOW CREST	8437.0 FT
ELEVATION, PRINCIPAL SPILLWAY CREST	8436.4 FT
ELEVATION, DESIGN WATER VOLUME	8436.4 FT
ELEVATION, DESIGN SEDIMENT VOLUME	8432.0 FT
PEAK FLOW, 100YR/24HR EVENT	7.5 cfs
PEAK FLOW, 10YR/24HR EVENT	3.3 cfs

DESIGN SUMMARY

RECEIVED
SEP 6 1988
DIVISION OF OIL, GAS & MINING

PROFESSIONAL ENGINEER'S CERTIFICATION

Conrad Parrish, certify that this map was prepared under my supervision and all the information presented hereon is true and correct to the best of my knowledge and information.

8/24/88 Conrad Parrish UT
DATE SIGNATURE

REGISTERED PROFESSIONAL ENGINEER 7313 CONRAD H. PARRISH 7313 STATE OF UTAH

No.	REVISION	DATE	BY	CHKD

NORTH AMERICAN EQUITIES, n.v.

BLAZON No.1 MINE

BLAZON SEDIMENTATION POND DESIGN

Scale:	Date:	Design By:	Drawn By:	Approved By:
AS NOTED	AUG. 1988	DJK	JMH	CHP

ACZ Engineering and Analytical Services Steamboat Springs, CO 80477

MAP A2