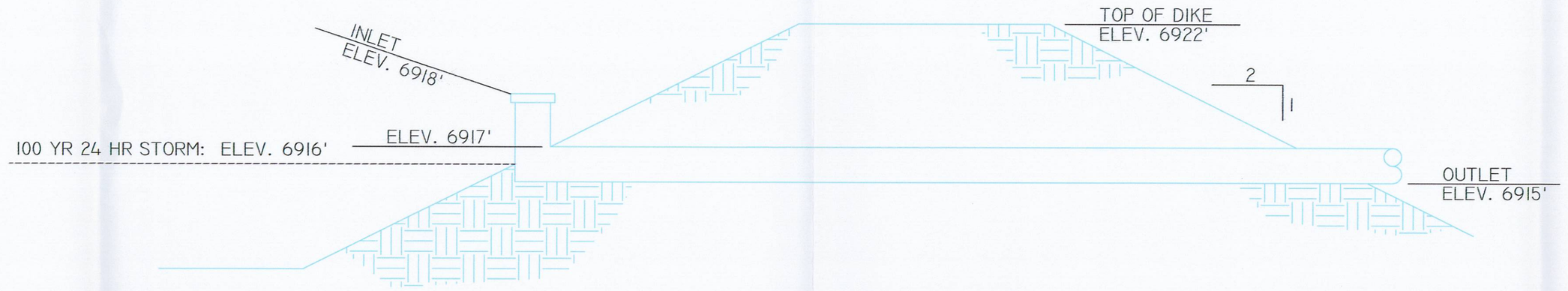
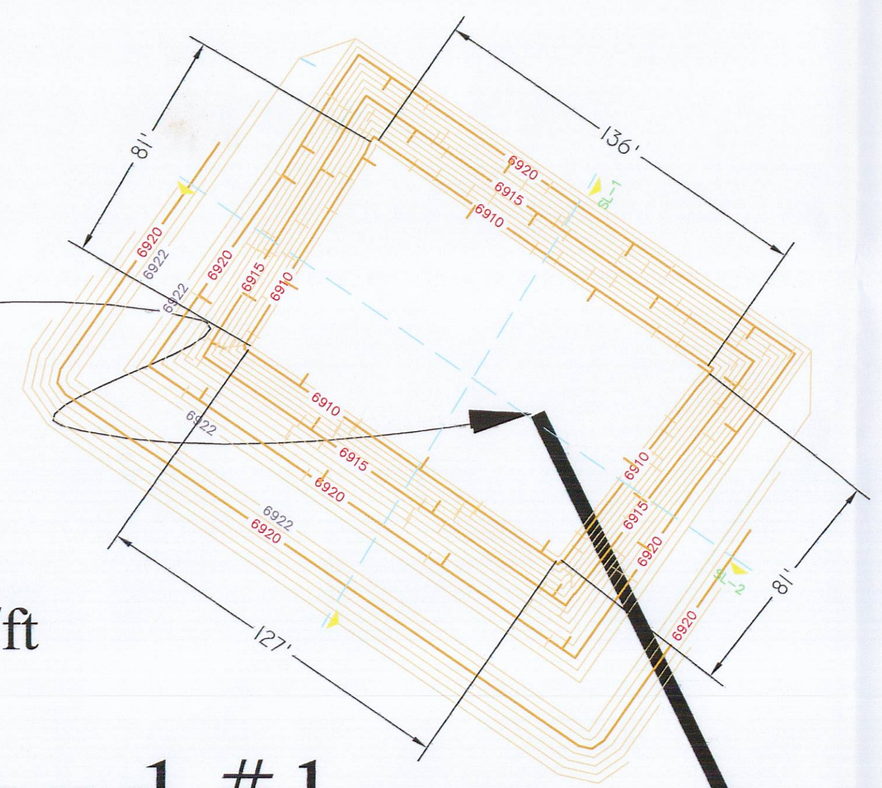


TYPICAL CROSS SECTION

Not to Scale

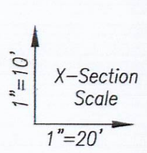


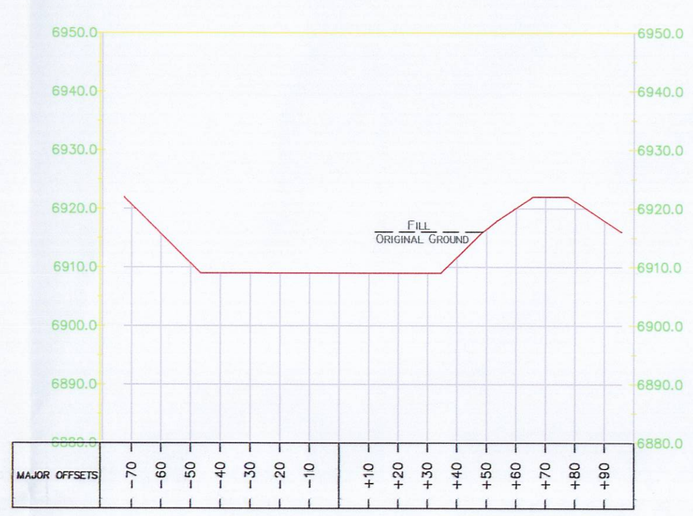
24 inch Drop Pipe Spillway
Top of riser 6918'
Bottom of riser 6915'

Required Storage for 100 year, 24 event = 2.57 acre/ft

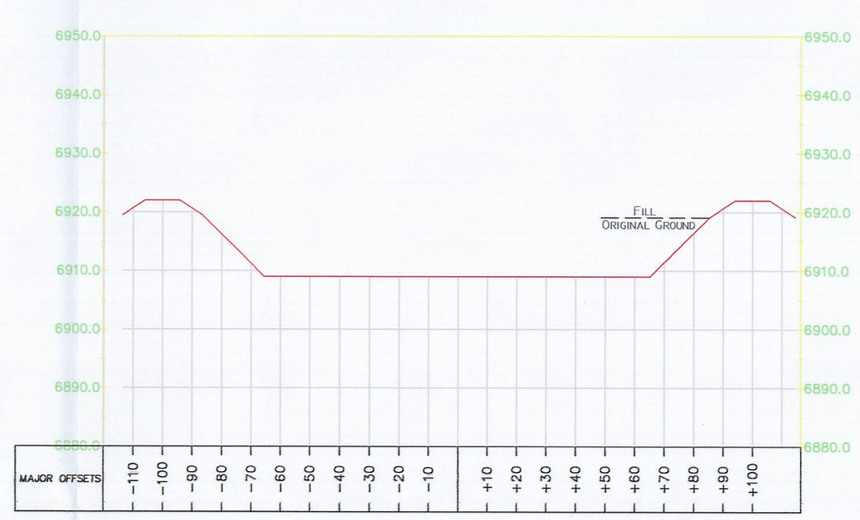
Pond #1

24 inch outlet 6915'





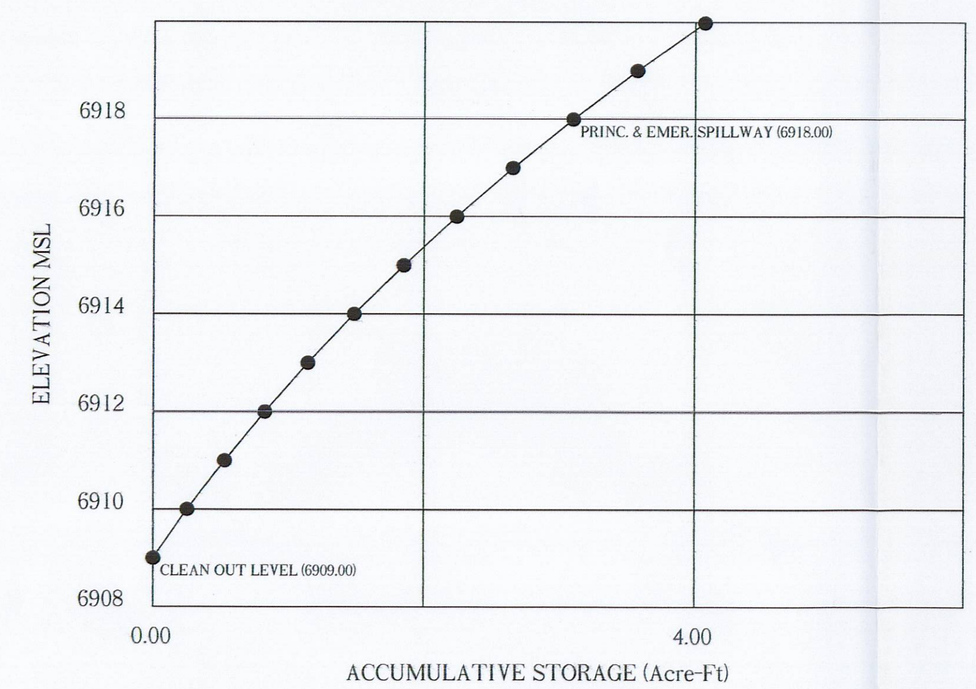
SL-1



SL-2

STAGE STORAGE CURVE

Sediment Control Structure No. 1



STORAGE VOLUME COMPUTATIONS

Sediment Control Structure No. 1

ELEV. (ft)	WIDTH (ft)	LENGTH (ft)	AREA (ac)	AVG. AREA (ac)	INTERVAL (ft)	STORAGE (ac-ft)	ACC. STORAGE (ac-ft)	STAGE INTERVAL (ft)
6909.00	NA	NA	0.2320					
				0.2485	1.00	0.2485	0.2485	1.00
6910.00	NA	NA	0.2650					
				0.2760	1.00	0.2760	0.5245	2.00
6911.00	NA	NA	0.2870					
				0.2980	1.00	0.2980	0.8225	3.00
6912.00	NA	NA	0.3090					
				0.3200	1.00	0.3200	1.1425	4.00
6913.00	NA	NA	0.3310					
				0.3425	1.00	0.3425	1.4850	5.00
6914.00	NA	NA	0.3540					
				0.3655	1.00	0.3655	1.8505	6.00
6915.00	NA	NA	0.3770					
				0.3895	1.00	0.3895	2.2400	7.00
6916.00	NA	NA	0.4020					
				0.4155	1.00	0.4155	2.6555	8.00
6917.00	NA	NA	0.4290					
				0.4440	1.00	0.4440	3.0995	9.00
6918.00	NA	NA	0.4590					
				0.4755	1.00	0.4755	3.5750	10.00
6919.00	NA	NA	0.4920					
				0.5055	0.98	0.4954	4.0704	10.98
6920.00	NA	NA	0.5190					
6922.00								

Alton Coal Development
Coal Hollow Project
615 North, 400 East
P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310
Fax (435)687-5311

Registered Professional Engineer
275875-2202
CHRIS R. McCOURT
6-1-07
State of Utah

SEDIMENT IMPOUNDMENT 1 DETAILS

RECEIVED
JUN 14 2007
DIV. OF OIL, GAS & MINING

COAL HOLLOW PROJECT
ALTON, UTAH

DRAWING: 5-28

REVISIONS

DATE:	BY:

DRAWN BY:	CHECKED BY:
C. MCCOURT	CM
DRAWING: 5-28	DATE: 12/18/06
	SCALE: 1" = 40'
JOB NUMBER: 1400	SHEET