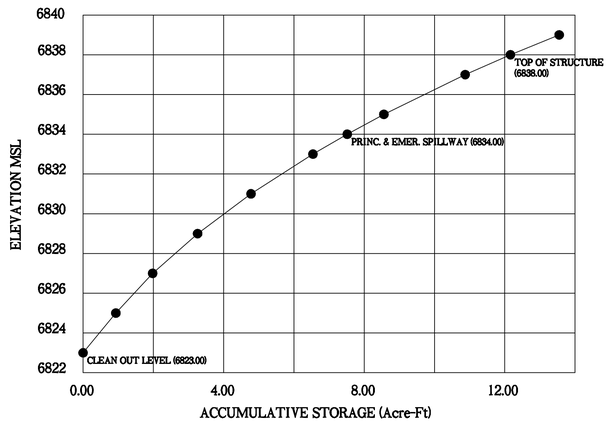
STAGE STORAGE CURVE

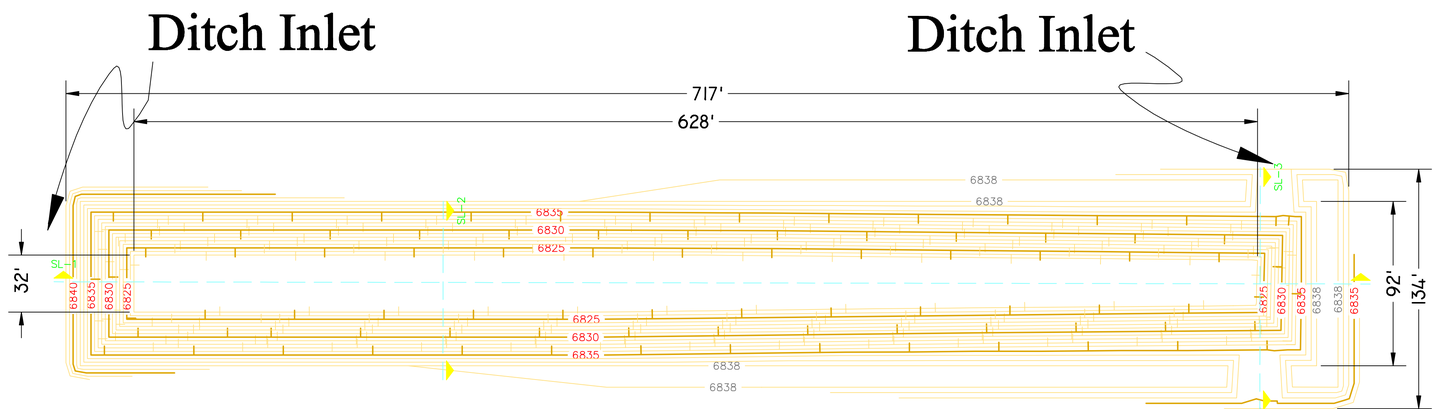
Sediment Control Structure No. 4



STORAGE VOLUME COMPUTATIONS

Sediment Control Structure No. 4

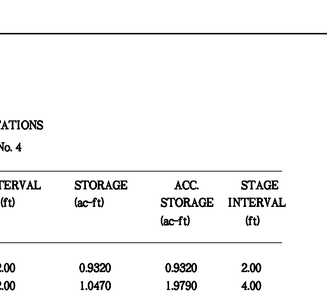
ELEV. (ft)	WIDTH (ft)	LENGTH (ft)	AREA (ac)	AVG. AREA (ac)	INTERVAL (ft)	STORAGE (ac-ft)	ACC. STORAGE (ac-ft)	STAGE INTERVAL (ft)
6823.00	NA	NA	0.0000					
				0.4660	2.00	0.9320	0.9320	2.00
6825.00	NA	NA	0.4660					
				0.5235	2.00	1.0470	1.9790	4.00
6827.00	NA	NA	0.5810					
				0.6400	2.00	1.2800	3.2590	6.00
6829.00	NA	NA	0.6990					
				0.7595	2.00	1.5190	4.7780	8.00
6831.00	NA	NA	0.8200					
				0.8815	2.00	1.7630	6.5410	10.00
6833.00	NA	NA	0.9430					
				0.9760	1.00	0.9760	7.5170	11.00
6834.00	NA	NA	1.0090					
				1.0420	1.00	1.0420	8.5590	12.00
6835.00	NA	NA	1.0750					
				1.1575	2.00	2.3150	10.8740	14.00
6837.00	NA	NA	1.2400					
				1.2885	1.00	1.2885	12.1625	15.00
6838.00	NA	NA	1.3370					



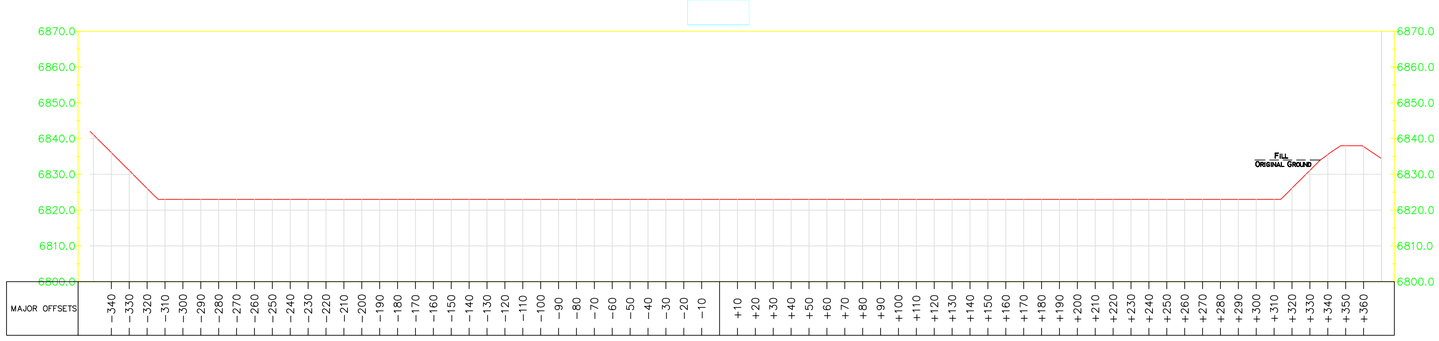
Required Storage for 100 year, 24 event = 6.28 acre/ft

Pond #4

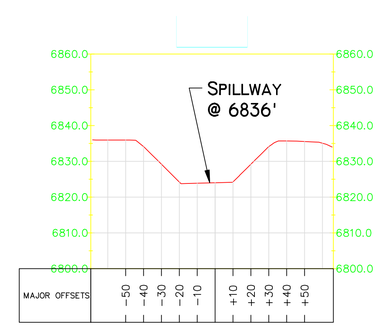
X-Section Scale 1"=10' 1"=20'



SL-2



SL-1



SL-3

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

STATE OF UTAH 275875-2202 CHRIS R. McCOURT

SEDIMENT IMPOUNDMENT 4 DETAILS

COAL HOLLOW PROJECT ALTON, UTAH

DRAWING: 5-31

REVISIONS	
DATE:	BY:

DRAWN BY: C. MCCOURT	CHECKED BY: CM
DRAWING: 5-31	DATE: 12/18/06
	SCALE: 1" = 40'
JOB NUMBER: 1400	SHEET