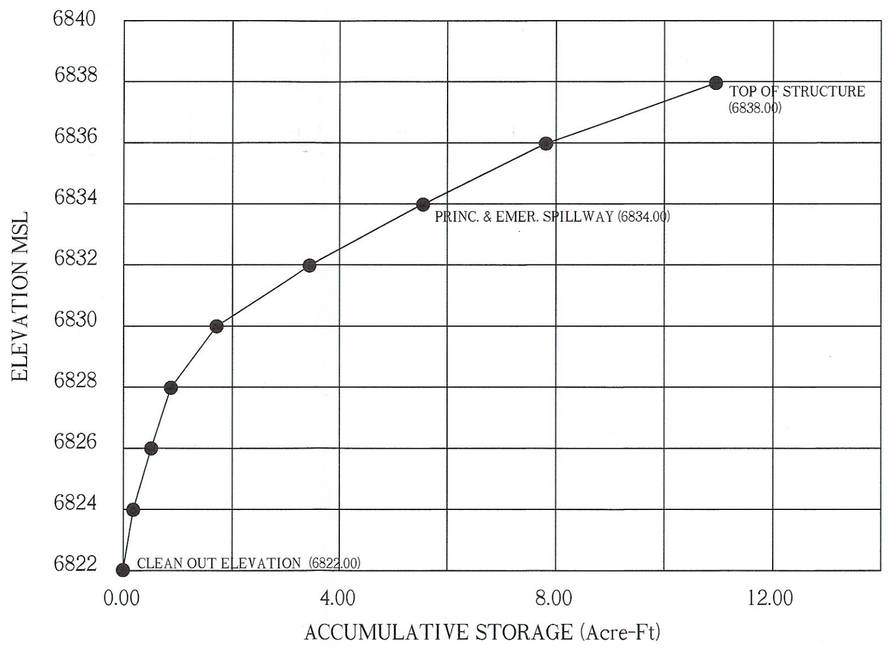
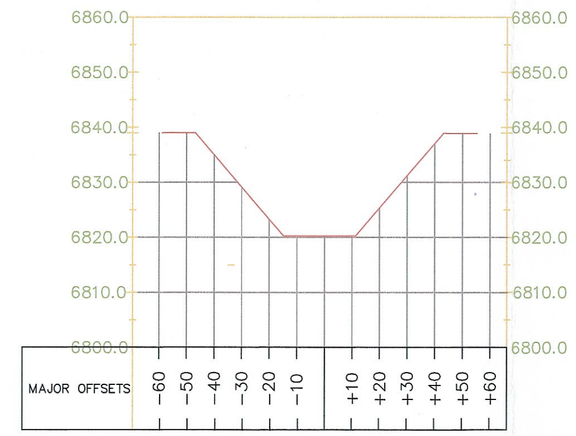
STAGE STORAGE CURVE
Sediment Control Structure No. 4



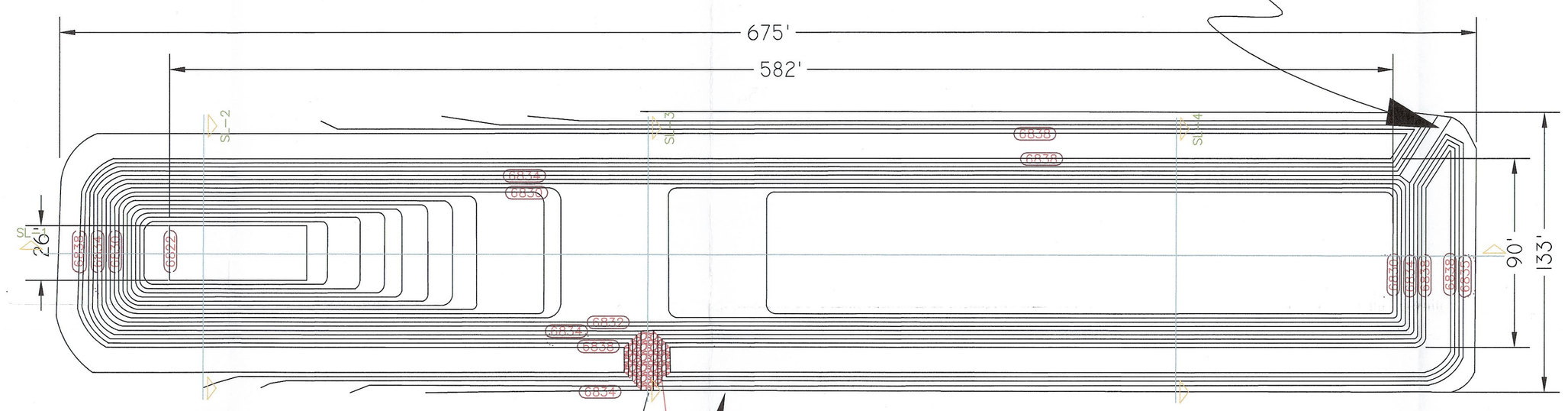
STORAGE VOLUME COMPUTATIONS
Sediment Control Structure No. 4

ELEV. (ft)	WIDTH (ft)	LENGTH (ft)	AREA (ac)	AVG. AREA (ac)	INTERVAL (ft)	STORAGE (ac-ft)	ACC. STORAGE (ac-ft)	STAGE INTERVAL (ft)
6822.00	NA	NA	0.0000					
6823.00	NA	NA	0.0600	0.0710	1.00	0.0710	0.0710	1.00
6824.00	NA	NA	0.0820	0.0928	1.00	0.0928	0.1638	2.00
6825.00	NA	NA	0.1037	0.1138	1.00	0.1138	0.2776	3.00
6826.00	NA	NA	0.1238	0.1372	1.00	0.1372	0.4148	4.00
6827.00	NA	NA	0.1507	0.1649	1.00	0.1649	0.5797	5.00
6828.00	NA	NA	0.1792	0.1948	1.00	0.1948	0.7745	6.00
6829.00	NA	NA	0.2104	0.2407	1.00	0.2407	1.0152	7.00
6830.00	NA	NA	0.2710	0.5340	1.00	0.5340	1.5492	8.00
6831.00	NA	NA	0.7971	0.8653	1.00	0.8653	2.4145	9.00
6832.00	NA	NA	0.9335	0.9648	1.00	0.9648	3.3794	10.00
6833.00	NA	NA	0.9961	1.0301	1.00	1.0301	4.4095	11.00
6834.00	NA	NA	1.0641	1.0941	1.00	1.0941	5.5036	12.00
6835.00	NA	NA	1.1242	1.1555	1.00	1.1555	6.6591	13.00
6836.00	NA	NA	1.1868	1.2189	1.00	1.2189	7.8780	14.00
6837.00	NA	NA	1.2511	1.2836	1.00	1.2836	9.1617	15.00
6838.00	NA	NA	1.3162	0.6581	1.00	0.6581	9.8198	16.00



SL-2

Pond Inlet



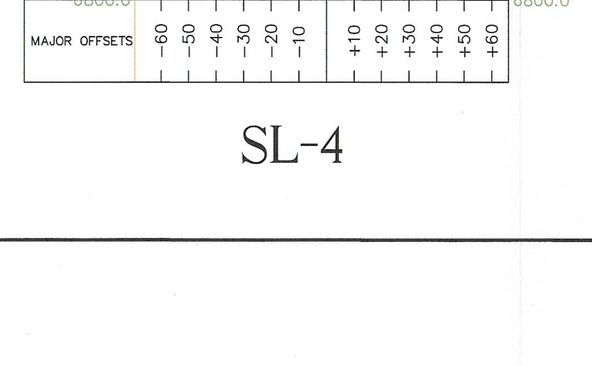
Required Storage for 100 year, 24 event = ~~2.1~~ 3.8 acre/ft

Spillway at 6834'

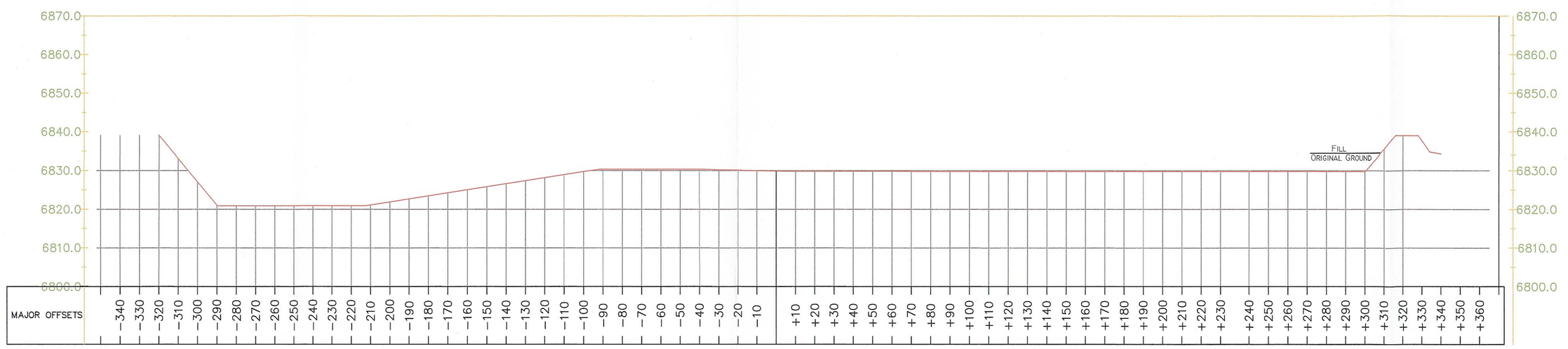
RIPRAP 6"ø (+)

Pond #4

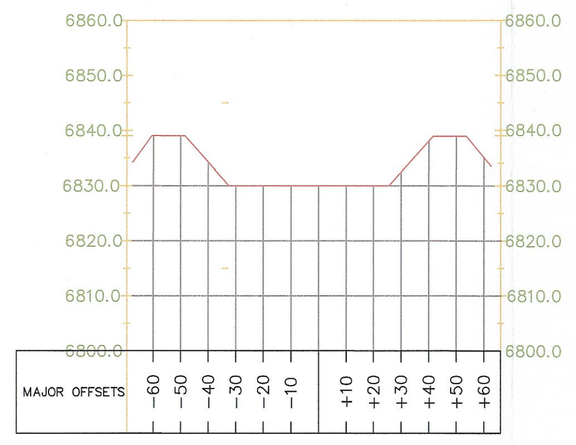
X-Section Scale 1"=10' 1"=20'



SL-3



SL-1



SL-4

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DIV. OF OIL, GAS & MINING

Alton Coal Development
Coal Hollow Project
463 North 100 West, Suite 1
Cedar City, Utah 84720
Phone (435)867-5331
Fax (435)867-1192

LANDON W. JONES 154169 STATE OF UTAH REGISTERED LAND SURVEYOR

SEDIMENT IMPOUNDMENT 4 DETAILS

COAL HOLLOW PROJECT
ALTON, UTAH

DRAWING: 5-31

REVISIONS	
DATE:	BY:
Feb 3, 2013	LWJ
05/28/2013	KN

DRAWN BY: C. MCCOURT	CHECKED BY: LWJ		
DRAWING: P4-001	DATE: 12/18/06	SCALE: 1" = 40'	SHEET
			JOB NUMBER:

RECEIVED
Jun 07 2013
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