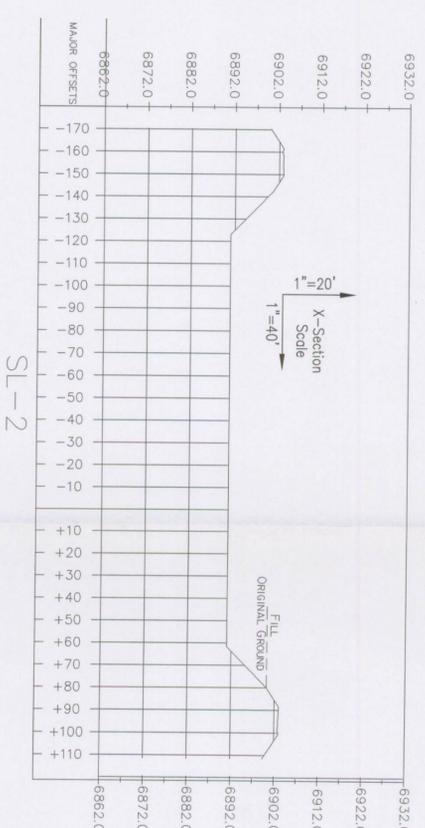
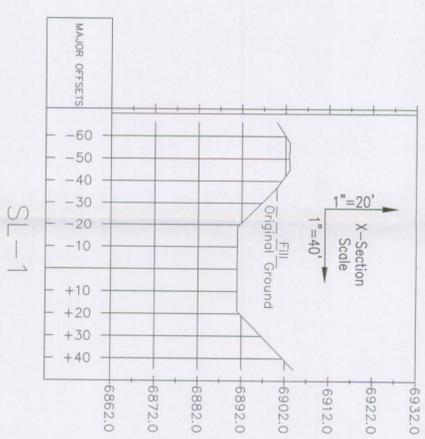
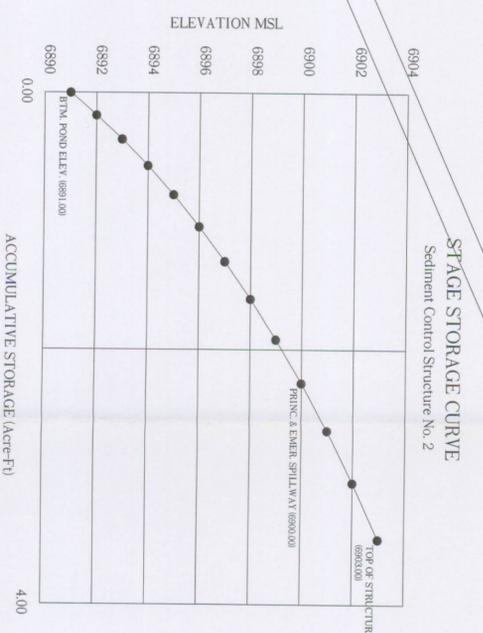
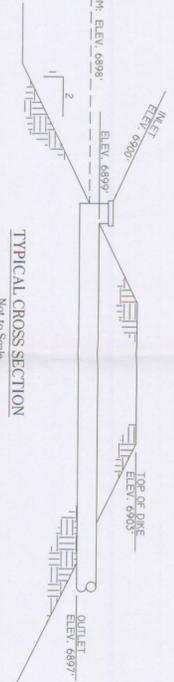
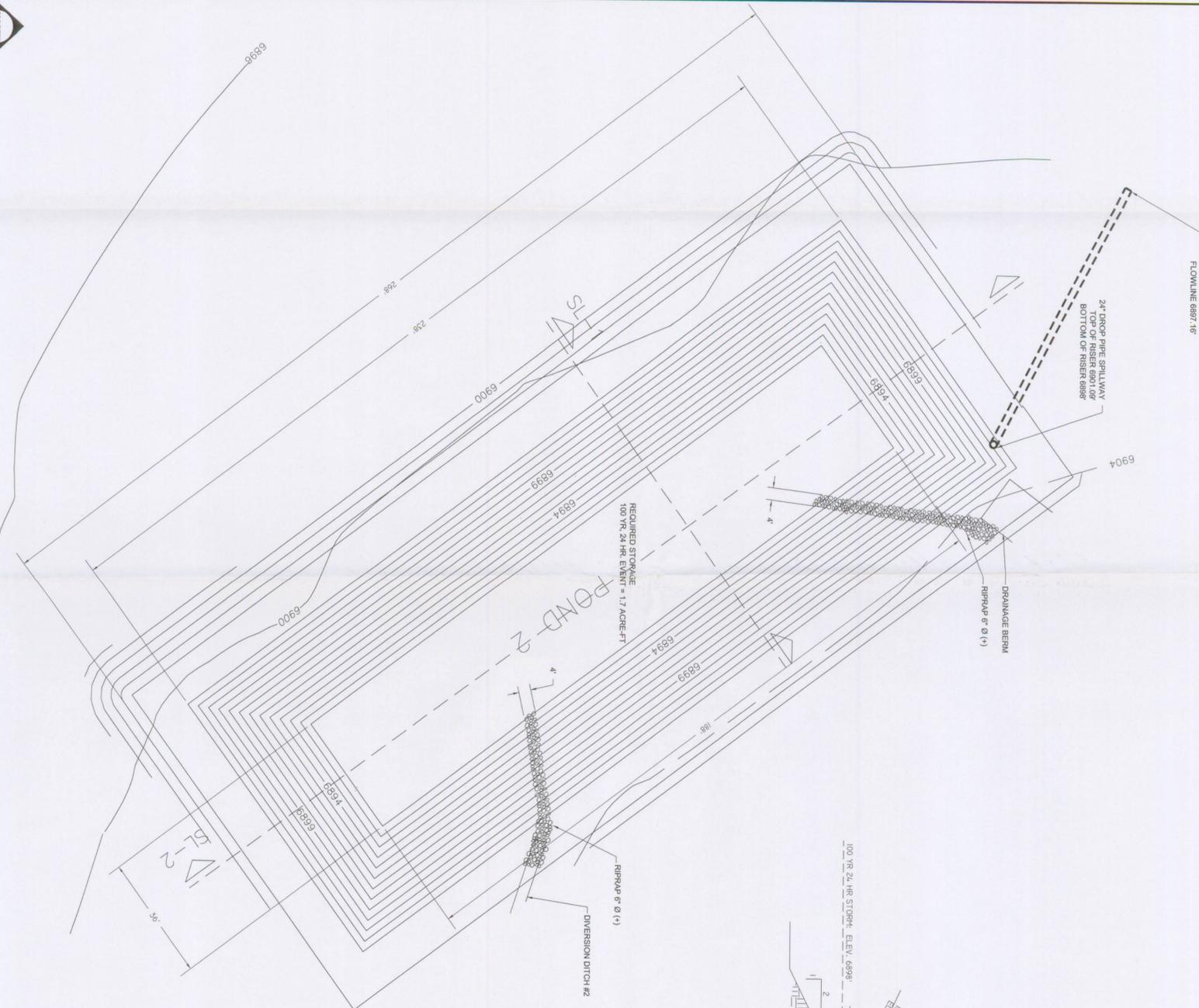




1
C9.2
SCALE: 1" = 80'

POND #2 - PLAN



- GEOTECHNICAL REPORT APPENDIX F
RECOMMENDED EARTHWORK SPECIFICATIONS
- AREAS TO RECEIVE FILL AND/OR BACKFILL SHOULD BE STRIPPED OF ALL VEGETATION, ORGANIC MATERIAL, AND DEBRIS. ANY EXISTING UNDOCUMENTED OR NON-STRUCTURAL GEOTECHNICAL ENGINEER FROM 10' TO DISSEMINATE THE FILL.
 - FILL SHOULD BE COMPACTED TO 85% OF THE MAXIMUM DENSITY AS COMPARED TO ASTM D 889 (STANDARD PROCTOR) FOR THE SOIL PILE AND 90% FOR THE SEDIMENTATION DIMENSIONS.
 - LIFT THICKNESS FOR THE SEDIMENTATION PONDS SHOULD NOT EXCEED 12-INCH LOOSE LIFTS OR 4-INCH COMPACTED LIFTS. SINCE LARGE EQUIPMENT WILL BE USED FOR THE SPREAD, LIFTS CAN BE AS LARGE AS 4 FEET. THE LIFT THICKNESS MAY BE INCREASED OR DECREASED RELATIVE TO THE RESULTS OF COMPACTION TEST RESULTS DURING FIELD VERIFICATION AS APPROVED BY THE GEOTECHNICAL ENGINEER.
 - SATURATED SOILS SHOULD BE PLACED IN AN AREA THAT WILL HAVE MINIMAL EFFECT ON THE PERFORMANCE OF THE SLOPES.
 - NATIVE UNDISTURBED SOILS TO BE SUBGRADE FOR THE POND EMBANKMENTS SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES. MOISTURE CONDITIONED TO OR SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT AND RE-COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
 - A QUALIFIED GEOTECHNICAL ENGINEER SHALL OBSERVE THE PLACEMENT FILL AND CONDUCT IN-PLACE FIELD DENSITY TESTS ON THE FILL TO CHECK FOR ADEQUATE MOISTURE CONTENT AND RELATIVE COMPACTION AS OUTLINED HEREIN. IF LESS THAN THE SPECIFIED RELATIVE COMPACTION IS OBTAINED, ADDITIONAL COMPACTIVE EFFORT TESTING SHALL BE CONDUCTED UNTIL THE SPECIFIED RELATIVE COMPACTION IS OBTAINED. THE CONTRACTOR SHOULD PROVIDE LEVEL TESTING PADS ON WHICH GEOTECHNICAL ENGINEERING FIRM TESTS SHALL BE CONDUCTED. THE TESTING PADS SHOULD BE 3 FEET SQUARE AND 12 INCHES DEEP. THE TESTING SHALL BE CONDUCTED THROUGHOUT THE GRADING SITE TO ALLOW CONTINUED MONITORING AND TESTING.
 - WHENEVER, IN THE OPINION OF THE ENGINEER REPRESENTATIVES, AN UNSTABLE CONDITION IS BEING CREATED EITHER BY CUTTING OR FILLING, THE WORK SHOULD NOT PROCEED IN THAT AREA UNTIL AN EVALUATION HAS BEEN MADE AND THE STABILIZATION OPERATIONS COMPLETED, IF FOUND NECESSARY.
 - FILL SHOULD NOT BE PLACED, SPREAD OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN OR FREEZING TEMPERATURES, FILL OPERATIONS SHOULD NOT BE RESUMED UNTIL FIELD INSPECTIONS INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE PREVIOUSLY SPECIFIED.
 - WHENEVER THE WORKS "SUPERVISION", "INSPECTION", OR "CONTROL" APPEAR THEY SHOULD MEAN "OBSERVATION" OF THE WORK AND TESTING OF THE FILL PLACEMENT NECESSARY BY THE GEOTECHNICAL ENGINEER OR THEIR REPRESENTATIVE TO SUBSTANTIATE COMPLIANCE WITH PLANS, SPECIFICATIONS AND DESIGN CONCEPTS.

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CIVIL ENGINEERS
LAND SURVEYORS

\\sba\p010594_ALTON_COAL_XANE_MINING\01-COAL_HOLLOW_PROJECT\sheet\C9.2.dwg April 20 2011 1:41pm By:Owner

RECORD DRAWING

DRAWN BY: KRB	CHECKED BY: JPL
DRAWING:	DATE: 11/08/2010
JOB NUMBER: 594-01-01	SCALE: AS NOTED
	SHEET

REVISIONS	
DATE:	BY:
4/19/2011	KRB

SEDIMENT IMPOUNDMENT POND 2 DETAILS
COAL HOLLOW PROJECT
ALTON, UTAH
DRAWING: C9.2

PROFESSIONAL ENGINEER
No. 348930
KERRY ROBERT BENSON
STATE OF UTAH
4-19-2011

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