



## Alton Coal Development, LLC

463 North 100 West, Suite 1  
Cedar City, Utah 84720  
Phone (435) 867-5331 • Fax (435) 867-1192

C/025/0005  
Received 5/8/15  
Task ID #4894

May 8, 2015

Daron R. Haddock  
Coal Program Manager  
Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

Subject: **Pond 1 revision, Facility Water Plan As-built, Alton Coal Development, LLC,  
Coal Hollow Mine, Kane County, Utah, C/025/0005,**

Dear Mr. Haddock,

Alton Coal Development, LLC (ACD) is providing the following as per Pricilla Burton's e-mail request sent April 30, 2015. As shown in Figure 1 sediments have been removed from the Pond 1 outlet. Figures 2 and 3 show that the leaking valve has been removed. Drawing 5-28 has been submitted for review, flow into the pond has been diverted away from the pond outlet and the requested information added. Also, drawing 5-8C has been submitted for review, it depicts the as-built locations of the facility water plan.

Changes to the MRP associated with this amendment have been uploaded to the DOGM's server for review. PDF versions of the drawing are not certified. Upon approval, 2 (two) clean hard copies of the certified drawings for insertion into the MRP will be submitted. Please do not hesitate to contact me if you have any questions 435-691-1551.

Sincerely

B. Kirk Nicholes  
Environmental Specialist



Figure 1 Pond 1



Figure 2 Area of leaking valve



Figure 3 One valve remains, leaking valve removed

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Alton Coal Development, LLC

**Mine:** Coal Hollow Mine

**Permit Number:**

C/025/0005

**Title:** Pond 1 Modification

**Description,** Include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first eight questions, this application may require Public Notice publication.

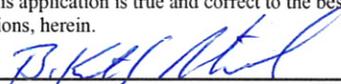
- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

*Explain:* \_\_\_\_\_

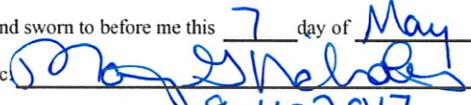
- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- Yes  No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

**Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you.** (These numbers include a copy for the Price Field Office)

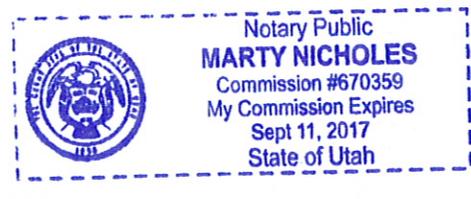
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

B. Kirk Nicholes      Environmental Specialist      05/07/2015        
 Print Name                                      Position                                      Date                                      Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 7 day of May, 2015

Notary Public: , state of Utah.

My commission Expires: 9-11-2017 }  
 Commission Number: 670359 } ss:  
 Address: 1670 E Millstone Cir }  
 City: Snook State: UT Zip: 84721 }



For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining
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## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Alton Coal Development, LLC

**Mine:** Coal Hollow Mine

**Permit Number:**

C/025/0005

**Title:** Updated Facility Water Plan Drawing

**Description,** Include reason for application and timing required to implement:

**Instructions:** If you answer yes to any of the first eight questions, this application may require Public Notice publication.

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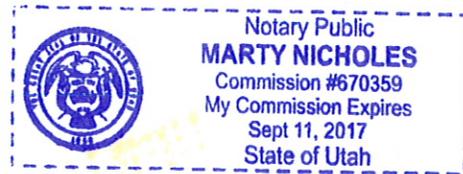
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

B. Kirk Nicholes Environmental Specialist 05/07/2015 *B. Kirk Nicholes*  
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 7 day of May, 2015

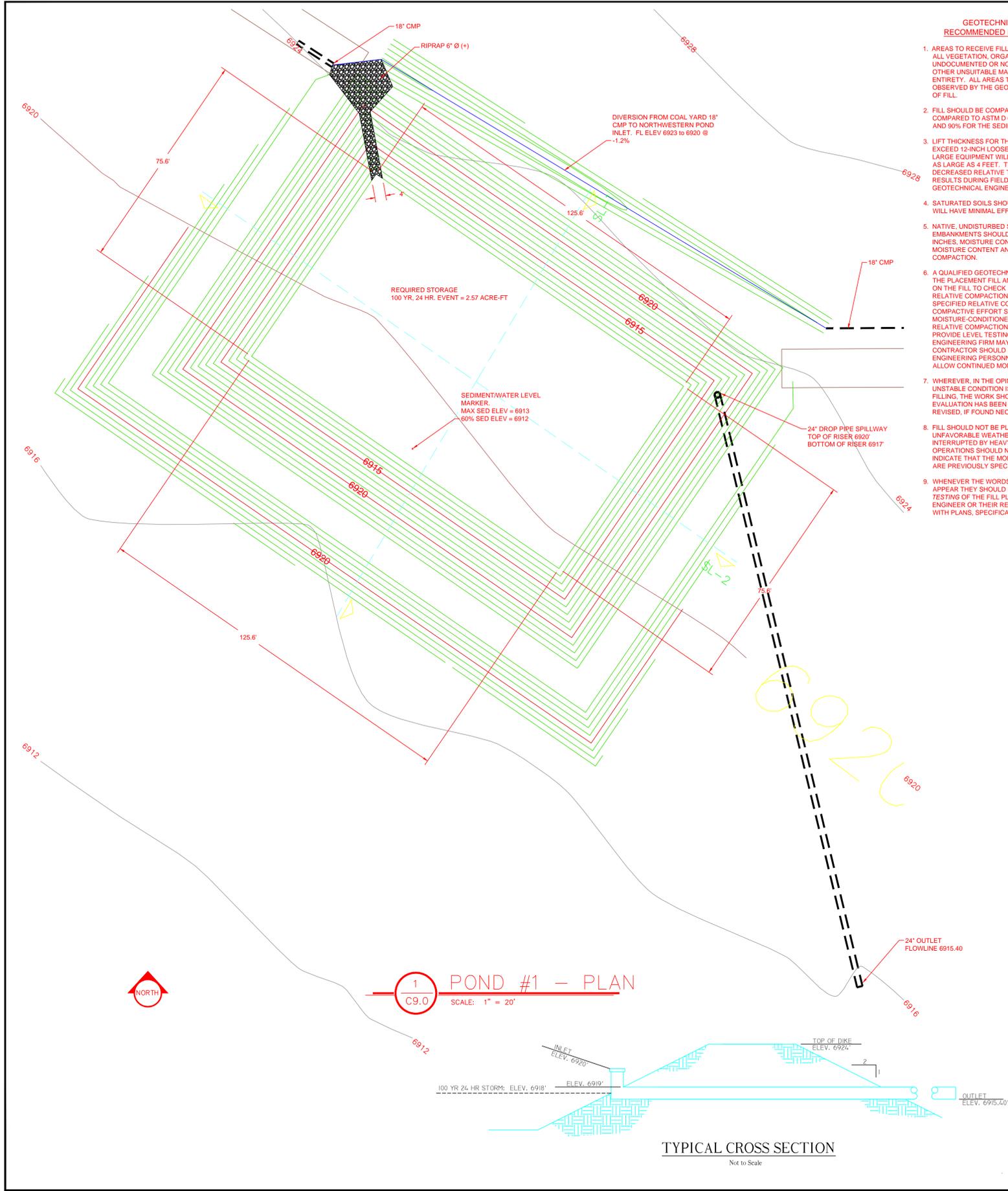
Notary Public: *Marty Nicholes*, state of Utah.

My commission Expires: 9-11-2017  
 Commission Number: 670359  
 Address: 1670 E Millstone Cir  
 City: Enoch State: UT Zip: 84721

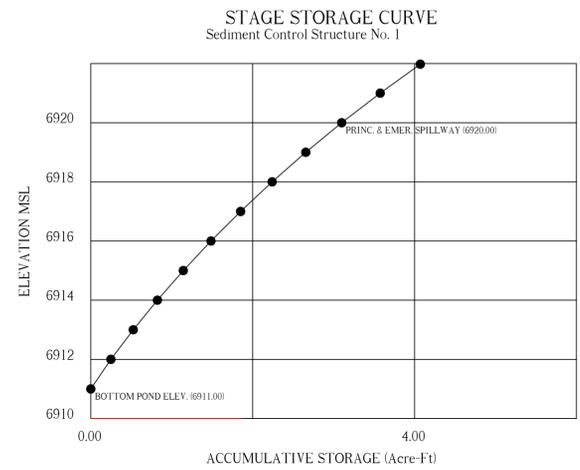


<p><b>For Office Use Only:</b></p>	<p><b>Assigned Tracking Number:</b></p>	<p><b>Received by Oil, Gas &amp; Mining</b></p>
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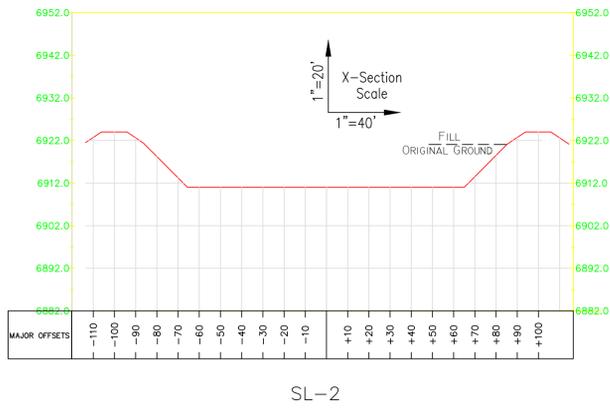
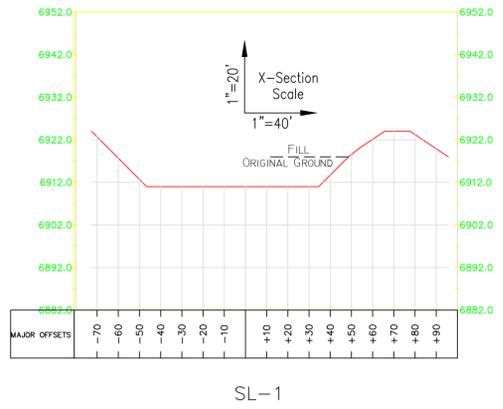


- GEOTECHNICAL REPORT APPENDIX F  
RECOMMENDED EARTHWORK SPECIFICATIONS**
- AREAS TO RECEIVE FILL AND/OR BACKFILL SHOULD BE STRIPPED OF ALL VEGETATION, ORGANIC MATERIAL, AND DEBRIS. ANY EXISTING UNDOCUMENTED OR NON-STRUCTURAL FILL/BACKFILL MATERIALS AND OTHER UNSUITABLE MATERIALS SHOULD BE EXCAVATED IN THEIR ENTIRETY. ALL AREAS THAT ARE TO RECEIVE FILL SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FILL.
  - FILL SHOULD BE COMPACTED TO 85% OF THE MAXIMUM DENSITY AS COMPARED TO ASTM D 698 (STANDARD PROCTOR) FOR THE SPOIL PILE AND 90% FOR THE SEDIMENTATION DIKES/EMBANKMENTS.
  - LIFT THICKNESS FOR THE SEDIMENTATION PONDS SHOULD NOT EXCEED 12-INCH LOOSE LIFTS OR 8-INCH COMPACTED LIFTS. SINCE LARGE EQUIPMENT WILL BE USED FOR THE SPOIL PILE, 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 SERVE AS 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 ENGINEERING FIRM SHOULD 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 COMPACTION EFFORT SHOULD BE APPLIED AND THE FILL MOISTURE-CONDITIONED AS NECESSARY UNTIL THE SPECIFIED RELATIVE COMPACTION IS ATTAINED. THE CONTRACTOR SHOULD PROVIDE LEVEL TESTING PADS ON WHICH GEOTECHNICAL ENGINEERING FIRM MAY CONDUCT FIELD DENSITY TESTS. THE CONTRACTOR SHOULD PROVIDE SAFE AND TIMELY ACCESS FOR ENGINEERING PERSONNEL THROUGHOUT THE GRADING SITE TO ALLOW CONTINUED MONITORING AND TESTING.
  - WHEREVER, IN THE OPINION OF THE OWNER'S 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 GRADING OPERATIONS REVISED, 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 WORDS "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.

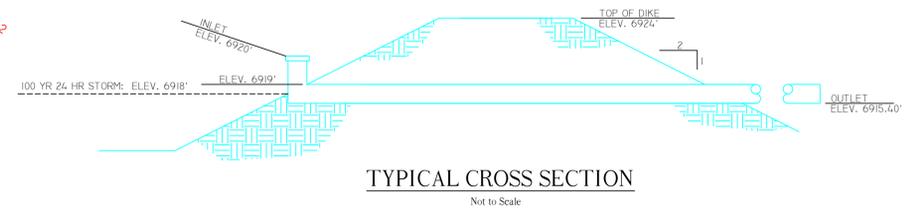


STORAGE VOLUME COMPUTATIONS  
Sediment Control Structure No. 1

ELEV. (ft)	WIDTH (ft)	LENGTH (ft)	AREA (ac)	AVG. AREA (ac)	INTERVAL (ft)	STORAGE (ac-ft)	ACC. STORAGE (ac-ft)	STAGE INTERVAL (ft)
6911.00	NA	NA	0.2320					
6912.00	NA	NA	0.2650	0.2485	1.00	0.2485	0.2485	1.00
6913.00	NA	NA	0.2870	0.2760	1.00	0.2760	0.5245	2.00
6914.00	NA	NA	0.3090	0.2980	1.00	0.2980	0.8225	3.00
6915.00	NA	NA	0.3310	0.3200	1.00	0.3200	1.1425	4.00
6916.00	NA	NA	0.3540	0.3425	1.00	0.3425	1.4850	5.00
6917.00	NA	NA	0.3770	0.3655	1.00	0.3655	1.8505	6.00
6918.00	NA	NA	0.4020	0.3895	1.00	0.3895	2.2400	7.00
6919.00	NA	NA	0.4290	0.4155	1.00	0.4155	2.6555	8.00
6920.00	NA	NA	0.4590	0.4440	1.00	0.4440	3.0995	9.00
6921.00	NA	NA	0.4920	0.4755	1.00	0.4755	3.5750	10.00
6922.00	NA	NA	0.5190	0.5055	0.98	0.4954	4.0704	10.98
6924.00								

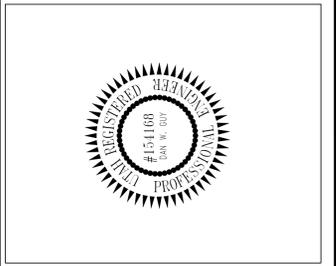


**1 POND #1 - PLAN**  
SCALE: 1" = 20'



RECORD DRAWING

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

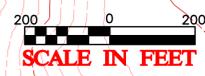
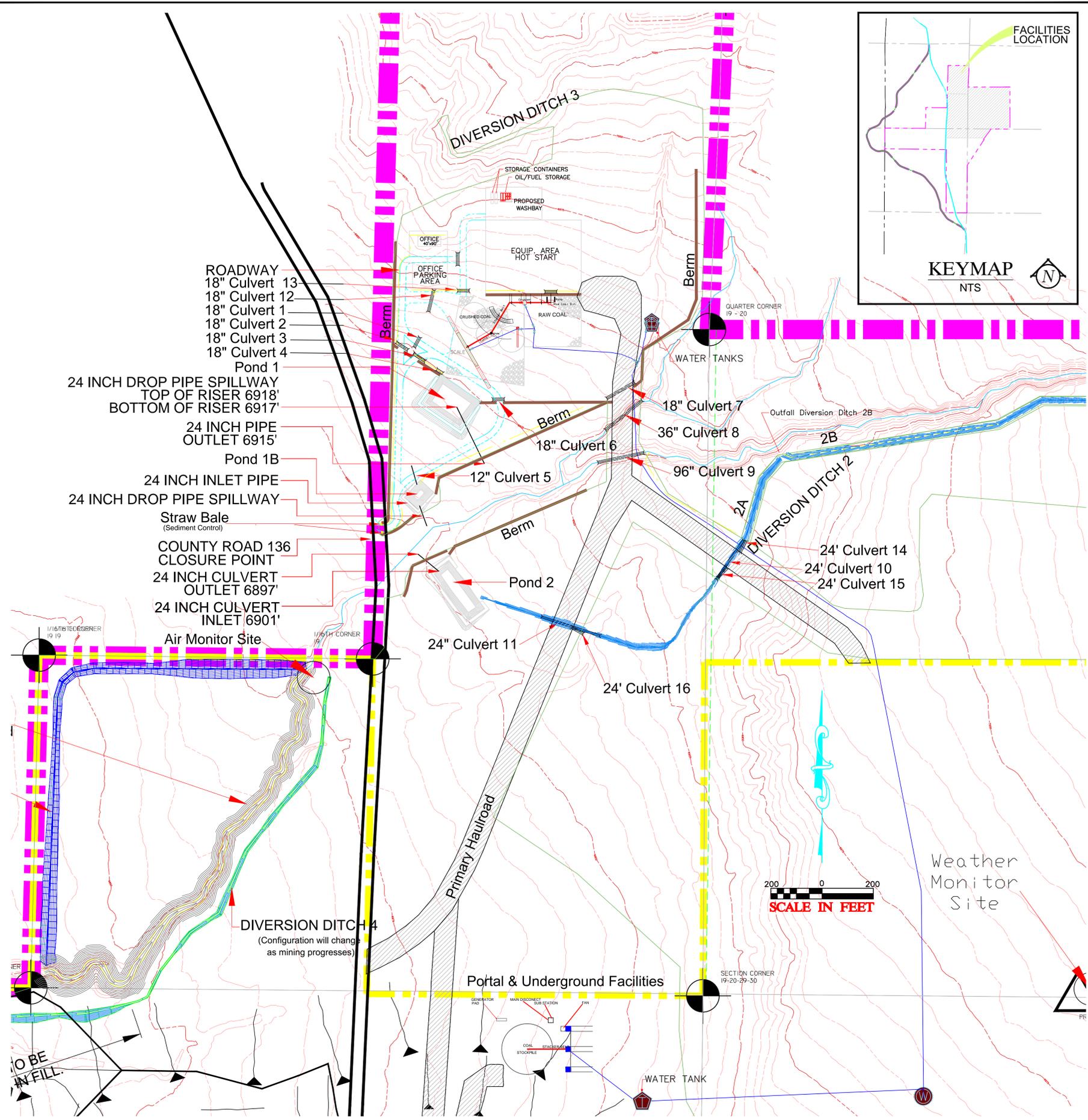
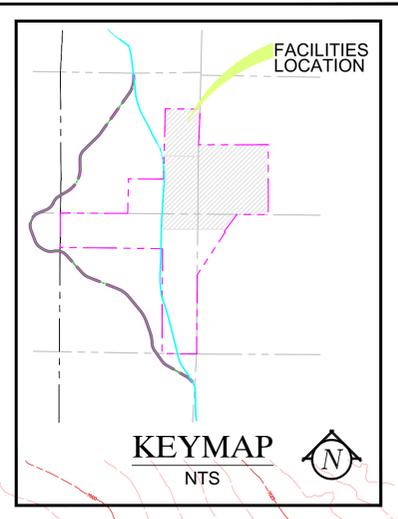


**SEDIMENT IMPOUNDMENT POND 1 DETAILS**  
COAL HOLLOW PROJECT  
ALTON, UTAH  
**DRAWING: 5-28**

**REVISIONS**

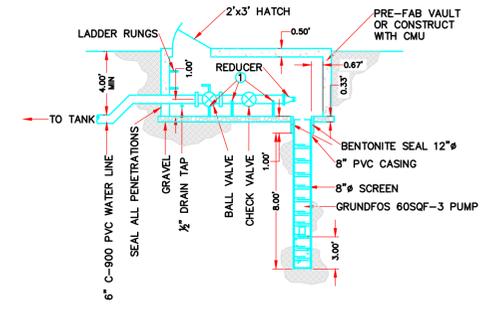
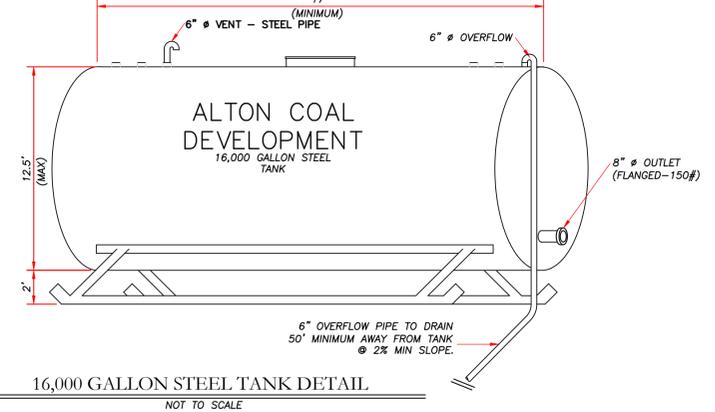
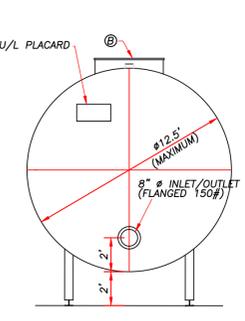
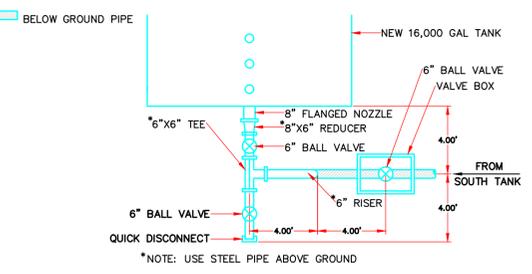
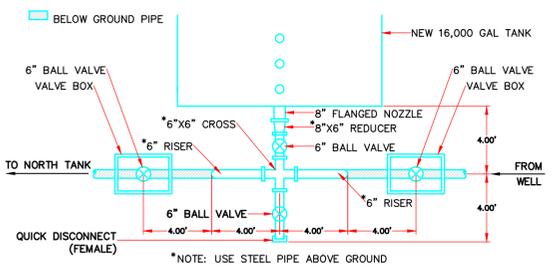
DATE:	BY:
4/19/2011	KRB
5/7/2015	ARC

<b>DRAWN BY:</b> KRB	<b>CHECKED BY:</b> JL
<b>DRAWING:</b> 5-28	<b>DATE:</b> 11/08/2010
<b>JOB NUMBER:</b> 594-01-01	<b>SCALE:</b> AS NOTED



**SPECIFICATIONS**

1. GRUNDFOS 60SQF-3 SUBMERSIBLE PUMP 50 GPM
2. 10-2 W/GRN. SUBMERSIBLE PUMP CABLE
3. CABLE CLIPS
4. STRAINING WIRE
5. WIRE CLAMP
6. TRACKING MOUNT: UTRF-168HD TRACKER (12 MODULES)
10. DIESEL- OR PETROL-DRIVEN PORTABLE GENERATOR
13. I/O GENERATOR CONTROLLER



**LEGEND:**

- PROJECT AREA
- PRIVATE COAL OWNERSHIP
- SECTION LINE
- 6" PVC C-900 WATER LINE
- 4050
- 4045
- + 2014-15 DISTURBANCE EXTENTS
- W GROUNDWATER PUMP SYSTEM (SEE DETAIL ABOVE). 5 GPM WITH 60 FT OF HEAD.
- W 12.5'(DIA) X 17.5'(L) 16,000 GAL WATER TANK MOUNTED ON SKIDS X 2 (SEE DETAIL ABOVE).
- WATER LINE VALVE

DRAWN BY:  
G. GROSSMAN

DRAWING:  
5-8C

JOB NUMBER:  
1400

CHECKED BY:  
CRM/WES

DATE:  
11/10/08

SCALE:  
1" = 200'

SHEET

REVISIONS	
DATE:	BY:
5/8/2015	ARC

**FACILITIES & STRUCTURES**

**WATER PLAN**

COAL HOLLOW PROJECT  
ALTON, UTAH

**DRAWING: 5-8C**



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