Summary of Quantities

#	Item	Section	Quantities										Unit	Rates/Remarks
			Skunk Creek Mine	Matherville Mine	Neverseen Mine	Fulton City No. 2	Coal Valley No. 3	B & H Coal Company	Atkins Mine	Coal Valley No. 1	DeClerck Opening	Shady Lane Coal Co.	Totals	
1	Special Clearing	201	.3	.05	.1	.05	.1	.05	.05	.05	.05	.2	1	L.S.	
2	Earth Excavation	202	87,446	1,307	257	–	3,592	–	–	–	–	2,035	94,637	C.Y.	Compaction Required per SP 205
3	Mine Refuse Excavation	202	88,852	–	–	–	–	–	–	–	–	–	88,852	C.Y.	Compaction Required per SP 205
4	Rock Excavation	IDOT 202	2,380	–	–	–	–	–	–	–	–	–	2,380	C.Y.	
5	Special Excavation	214	–	305	365	266	–	128	143	595	262	54	2,118	C.Y.	
6	Riprap Fill C–3	216	–	50	106	50	–	26	68	100	50	90	540	Ton	
7	CA–1 Fill	216	–	97	247	94	–	21	41	188	94	95	877	Ton	
8	CA–6 Fill	216	–	302	506	302	–	50	59	604	302	598	2,723	Ton	
9	Class SI Concrete Plug	216	–	–	–	–	–	–	–	–	–	9	9	C.Y.	
10	Seeding	250	41.5	4.7	1.4	1	2.2	0.4	0.3	1.7	0.2	2.2	55.6	Acre	See Schedule below
11	Nitrogen Fertilizer Nutrient	250	9,960	564	168	120	264	46	36	204	24	264	11,650	Pound	120 pounds/acre–See Schedule below
12	Phosphorous Fertilizer Nutrient	250	4,150	235	70	50	110	20	15	85	10	110	4,855	Pound	50 pounds/acre– See Schedule below
13	Potassium Fertilizer Nutrient	250	8,300	470	140	100	220	40	30	170	20	220	9,710	Pound	120 pounds/acre–See Schedule below
14	Agricultural Ground Limestone	250	83	9.4	2.8	2	4.4	0.8	0.6	3.4	0.4	4.4	111.2	Ton	2 tons/acre–See Schedule below
15	Mulch, Method 2, Procedure 1	IDOT 251	41.5	4.7	1.4	1	2.2	0.4	0.3	1.7	0.2	2.2	55.6	Acre	2 tons/acre–See Schedule below
16	Mine Refuse Treatment – Limestone	255	406	12	–	–	–	–	–	–	–	–	418	Ton	20 tons/acre–See Schedule below
17	Mowing	258	41.5	–	–	–	–	–	–	–	–	–	41.5	Acre	Skunk Creek Only–See Schedule below
18	Perimeter Erosion Barrier	280	620	–	–	–	–	–	–	–	–	–	620	Foot	Silt Fence
19	Stone Riprap A–3	IDOT 281	990	–	–	–	–	–	–	–	–	–	990	S.Y.	
20	Stone Riprap A–4	IDOT 281	32	–	–	–	–	–	–	–	–	–	32	S.Y.	
21	Filter Fabric	IDOT 282	1,022	–	–	–	–	–	–	–	–	–	1,022	S.Y.	
22	Erosion Control Blanket	IDOT 251	5,549	–	–	–	–	–	–	–	–	267	5,816	S.Y.	
23	Aggregate Surface Course, Type B CA–6	IDOT 402	100	45	–	–	–	–	–	–	–	–	145	Ton	Allotted for On–Site Road Repairs
24	Removal of Existing Structures	501	.3	.4	–	–	–	.1	.1	–	–	.1	1	L.S.	
25	8" PVC Pipe Culvert	IDOT 542	–	–	–	–	–	–	122	–	–	–	122	Foot	
26	Pipe Culvert 24" Corrugated Steel Culvert Pipe, Type 1	IDOT 542	45	–	–	–	–	–	–	–	–	–	45	Foot	
27	6" Perforated Corrugated Polyethylene (PE) Pipe Drain	IDOT 601	–	75	–	–	470	–	–	–	–	–	545	Foot	
28	Dewatering Impoundment	614	–	–	–	–	1	–	–	–	–	–	1	L.S.	
29	Mine Opening Marker	666	–	1	2	1	–	2	1	2	1	2	12	Each	
30	Mobilization (Max. 6% of Bid)	671	.4	.1	.05	.05	.1	.05	.05	.05	.05	.1	1	L.S.	

GENERAL NOTES

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer nutrients, seeded and mulched at the required rates specified in the plans.

The contractor is responsible for visiting the site and familiarizing himself with the existing conditions and the proposed reclamation work prior to submitting a bid.

The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The contractor is responsible for locating and protecting all existing utility lines pertaining to the work.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction and restored to original or better condition at the completion of work by the contractor. Access roads to the site as designated in the plans are to be maintained to the satisfaction of the engineer.

The construction limits will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities–Rates/Remarks column.

CONSTRUCTION NOTES

BURIAL/REMOVAL OF MATERIAL–Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

TREE REMOVAL–Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

EROSION CONTROL–The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

AGRICULTURAL GROUND LIMESTONE–Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

MULCHING–Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.

MINE REFUSE TREATMENT –After mine refuse has been graded to the subgrade shown in the plans, agricultural ground limestone shall be uniformly spread at the rate specified in the plans. A 3 inch layer of soil shall then be spread over the mine refuse treatment area and blended to a depth of 6 inches with an industrial offset disk approved by the engineer. Treated areas shall then be covered with 21 inches of soil.

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing

ITEM (unit)	August 1, 2009 – September 1, 2009	April 1, 2010 – May 15, 2010	June 1, 2010 – June 30, 2010	TOTAL QUANTITY
SEEDING (acres)	55.6 acres			55.6 acres
AGRICULTURAL GROUND LIMESTONE (tons)	111.2 tons 2 tons/acre			111.2 tons
NITROGEN FERTILIZER NUTRIENT (pounds)	6,670 pounds 120 pounds/acre	4,980 pounds Skunk Creek Only 120 pounds/acre		11,650 pounds
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	2,780 pounds 50 pounds/acre	2,075 pounds Skunk Creek Only 50 pounds/acre		4,855 pounds
POTASSIUM FERTILIZER NUTRIENT (pounds)	5,560 pounds 100 pounds/acre	4,150 pounds Skunk Creek Only 100 pounds/acre		9,710 pounds
MULCH, METHOD 2 PROCEDURE 1 (acres)	55.6 acres 2 tons/acre			55.6 acres
MOWING (acres)			41.5 acres Skunk Creek Only	41.5 acres

State of Illinois
Department of Natural Resources

Matherville Mine Group Reclamation Project
AML-GMeE-0702
Mercer County

Drawn By: TM Date: 12/11/2008
Checked By:

Summary of Quantities/ General Notes
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