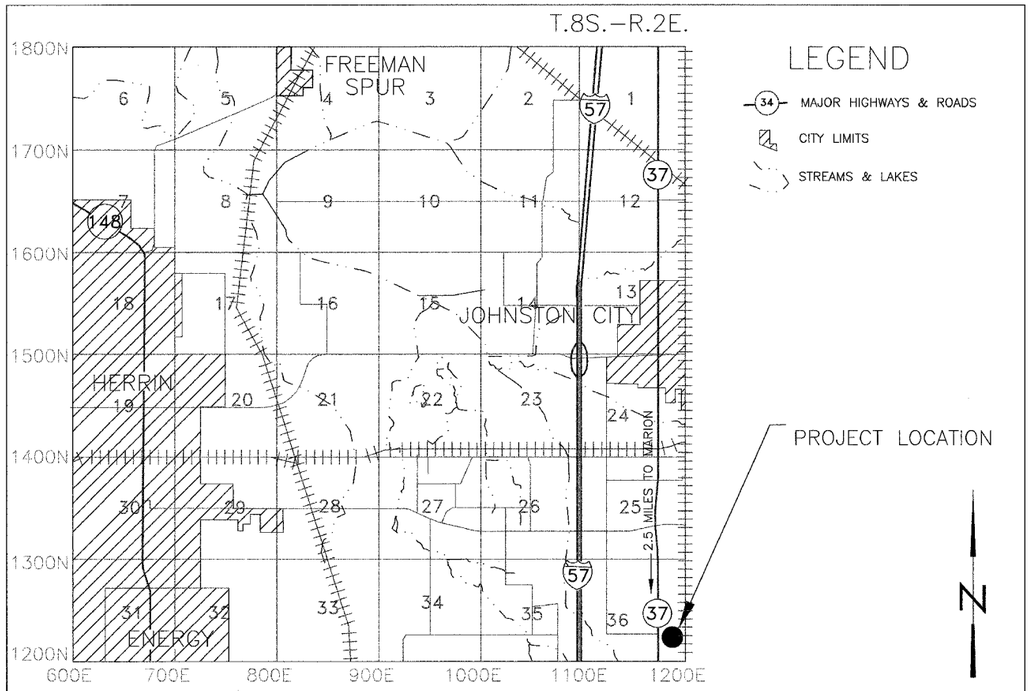
Summary of Quantities

#	Item	Section	Quantity	Unit	Rates/Remarks
1	Special Clearing	201	1	L.S.	
2	Earth Excavation	202	14,482	C.Y.	Compaction per Section 205
3	Mine Refuse Excavation	202	3,270	C.Y.	
4	Special Excavation	214	485	C.Y.	
5	CA–1 Fill	216	133.0	Ton	
6	CA–6 Fill	216	718.0	Ton	
7	Riprap Fill, C–3	216	113.0	Ton	
8	Filter Fabric for use with Riprap	216	278	S.Y.	
9	Seeding	250	10.0	Acre	
10	Agricultural Ground Limestone	250	100.0	Ton	
11	Nitrogen Fertilizer Nutrient	250	2,000	Pound	See
12	Phosphorus Fertilizer Nutrient	250	1,500	Pound	Schedule
13	Potassium Fertilizer Nutrient	250	3,000	Pound	Below
14	Mulch, Method 2, Procedure 2	IDOT 251	10.0	Acre	2.0 Tons/Acre
15	Mine Refuse Treatment – Limestone	255	70.0	Ton	
16	Mowing	258	10.0	Acre	
17	Earth Excavation For Erosion Control	280	36	C.Y.	
18	Stone Riprap, A–3	IDOT 281	22	S.Y.	
19	Special Excelsior Blanket	286	4,517	S.Y.	8 Feet Wide Strips
20	Aggregate Surface Course, Type B, CA–6	IDOT 402	111.0	Ton	
21	Removal of Existing Structures	501	1	L.S.	
22	Mine Opening Marker	666	1	Each	
23	Mobilization (Maximum 6% of Total Bid)	671	1	L.S.	



LOCATION MAP

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.

ACID WATER TREATMENT–If acid mine drainage treatment is determined necessary by the engineer, and not otherwise specified in the plans, any water treatment will be paid for in accordance with Article 109.04 of the Standard Specifications.

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 2 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 33 inches of soil.

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing

ITEM (unit)	FALL 2005 AUG. 20 – SEPT. 30	SPRING 2006 APR. 20 – MAY 15	SPRING 2006 MAY 15 – JUN. 15	TOTAL QUANTITY
SEEDING (acres)	10.0			10.0
AGRICULTURAL GROUND LIMESTONE (tons)	100.0 10.0 T/A		Actual Date to be Approved by Engineer	100.0
NITROGEN FERTILIZER NUTRIENT (pounds)	1,000 100 Lb./A	1,000 100 Lb./A		2,000
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	1,500 150 Lb./A			1,500
POTASSIUM FERTILIZER NUTRIENT (pounds)	3,000 300 Lb./A			3,000
MULCH, METHOD 2 PROCEDURE 2 (acre)	10.0 2.0 T/A			10.0
MOWING (acres)			10.0	10.0

State of Illinois
Department of Natural Resources

Carterville District C.C. #6
Reclamation Project
AML-GWmE-0416
Williamson County

Drawn By : OMA Date : 12-09-04
Checked By : 12-13-04

SUMMARY OF QUANTITIES / GENERAL NOTES/ LOCATION MAP

SHEET 2 OF 10