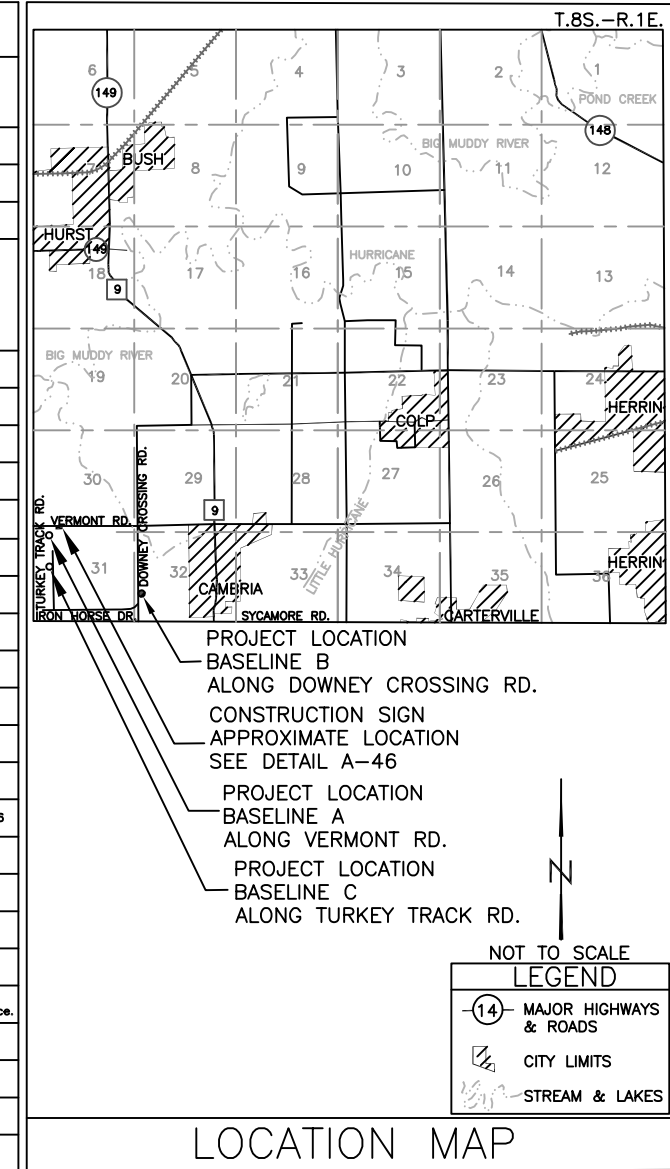


Summary of Quantities

Item No.	#	Item	Section	Quantity				Unit	Rates/Remarks
				Baseline A	Baseline B	Baseline C	Total		
NRM20110	1	SPECIAL CLEARING	201	0.2	0.1	0.7	1	L SUM	
NRM20210	2	EARTH EXCAVATION	202	66,907	52,553	197,781	317,241	CU YD	Compaction per Section 205
NRM20230	3	MINE REFUSE EXCAVATION	202	0	0	87,376	87,376	CU YD	Compaction per Section 205
NRM25040	4	NITROGEN FERTILIZER NUTRIENT	250	2,400	1,400	11,600	15,400	POUND	See
NRM25050	5	PHOSPHORUS FERTILIZER NUTRIENT	250	1,200	700	5,800	7,700	POUND	Schedule
NRM25060	6	POTASSIUM FERTILIZER NUTRIENT	250	2,040	1,190	9,860	13,090	POUND	Below
NRM25070	7	AGRICULTURAL GROUND LIMESTONE	250	480.0	280.0	2,320.0	3,080.0	TON	40.0 TONS/ACRE
NRM25090	8	SEEDING	250	12.0	7.0	43.0	62.0	ACRE	Seeding Permanent
NRM25091	9	SEEDING - WETLAND	250	2.0	0.0	13.0	15.0	ACRE	
25100115	10	MULCH, METHOD 2	IDOT 251	12.0	7.0	58.0	77.0	ACRE	Procedure 1 - 2.0 TONS/ACRE
A2001016	11	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER BALLED AND BURLAPPED	IDOT 253	16	8	56	80	EACH	Tree planting locations shall be determined by the Engineer at the time of planting.
NRM25510	12	MINE REFUSE TREATMENT - LIMESTONE	255	0.0	0.0	2,380.0	2,380.0	TON	70.0 TONS/ACRE
NRM25810	13	MOWING	258	11.0	7.0	51.0	69.0	ACRE	
NRM28031	14	TEMPORARY DITCH CHECKS	280	36	48	72	156	FOOT	Hay or Straw Bales - See Detail D-46, Sheet #46
NRM28040	15	PERIMETER EROSION BARRIER	280	1,805	460	165	2,430	FOOT	Silt Fence Required, IDOT Standard 280001-07
NRM28050	16	INLET AND PIPE PROTECTION	280	1	0	0	1	EACH	Silt Fence Required, IDOT Standard 280001-07
28100105	17	STONE RIPRAP, CLASS A3	IDOT 281	1,144	0	5,643	6,787	SQ YD	See Detail E-46 and Table, Sheet #46
NRM28610	18	SPECIAL EXCELSIOR BLANKET	286	5,281	5,960	13,207	24,448	SQ YD	8 Feet Wide Strips
35101400	19	AGGREGATE BASE COURSE, TYPE B	IDOT 351	0.0	0.0	1,789.0	1,789.0	TON	CA-6, 4" Lifts, 8" Total thickness, see Detail C-46, Sheet #46
542C0217	20	PIPE CULVERT CLASS C, TYPE 1, 12"	IDOT 542	0	0	46	46	FOOT	Polyethylene with Smooth Interior
NRM61310	21	CLEANING EXISTING CULVERTS	613	1	0	0	1	L SUM	
NRM61410	22	DEWATERING IMPOUNDMENTS	614	0.5	0.3	0.2	1	L SUM	
NRM63002	23	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	630	1,425.0	1,037.5	562.5	3,025	FOOT	Installation per Section 630 and IDOT Standard 630006 Non-Blocked Steel Plate Beam Guardrail.
63100000	24	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	IDOT 631	8	4	4	16	EACH	IDOT Standard 630301-09 Tangent Terminal. Earthwork for shoulder widening shall be incidental to the contract unit price.
NRM66510	24	BARBED WIRE FENCE	665	1,522	470	0	1,992	FOOT	See Detail B-46, Sheet #46
NRM66520	25	ENTRANCE GATE	665	1	0	0	1	L SUM	See Detail B-46, Sheet #46
NRM67110	26	MOBILIZATION (MAX. 6% OF BID)	671	0.3	0.2	0.5	1	L SUM	
70100600	27	TRAFFIC CONTROL AND PROTECTION STANDARD 701336	IDOT 701	0.5	0.5	0.0	1	L SUM	IDOT Standard 701336-07



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 damaged 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 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 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 2020 AUG. 20 - SEPT. 30			WINTER 2021 JAN. 1 - MAR. 15			SPRING 2021 MAY 15 - JUN. 15			TOTAL QUANTITY
	BASILINE A	BASILINE B	BASILINE C	BASILINE A	BASILINE B	BASILINE C	SITE A	SITE A	SITE A	
SEEDING (acre)	12.0	7.0	43.0							62.0
SEEDING - WETLAND (acre)	2.0	0.0	13.0				Actual Date to be Approved by the Engineer			15.0
AGRICULTURAL GROUND LIMESTONE (tons)	480.0 40.0 T/A	280.0 40.0 T/A	2,320.0 40.0 T/A				Actual Date to be Approved by the Engineer			3,080
NITROGEN FERTILIZER NUTRIENT (pounds)	1,200 100 LB./A	700 100 LB./A	5,800 100 LB./A	1,200 100 LB./A	700 100 LB./A	5,800 100 LB./A				15,400
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	1,200 100 LB./A	700 100 LB./A	5,800 100 LB./A							7,700
POTASSIUM FERTILIZER NUTRIENT (pounds)	2,040 170 LB./A	1,190 170 LB./A	9,860 170 LB./A							13,090
MULCH, METHOD 2 PROCEDURE 1 (acre)	12.0 2.0 T/A	7.0 2.0 T/A	58.0 2.0 T/A							77.0
MOWING (acres)							11.0	7.0	51.0	69.0

State of Illinois
Department of Natural Resources

Forsythe Energy C.C. Cambria
Reclamation Project
AML-GWmE-1901
Williamson County

Drawn By:
Checked By:
Date: 05-18-19

Summary of Quantities/
General Notes/Location Map
Sheet 2 of 47