# State of Illinois Department of Natural Resources

Office of Mines and Minerals Abandoned Mined Lands Reclamation Division

Funded by the United States Department of Interior Federal Office of Surface Mining

Kickapoo SRA Embankments Reclamation Project AML-GVeE-1904 Vermilion County 1LR

### SCHEDULE OF DRAWINGS:

- 1. Cover Sheet
- 2. Summary of Quantities / General Notes / Location Map
- 3. Embankment Area Existing Conditions
- 4. Embankment Area Proposed Conditions
- 5. Borrow Area Existing Conditions
- 6. Borrow Area Proposed Conditions
- 7-9. Embankment Area Cross Sections
- 10. Borrow Area Cross Sections
- IDOT Standard 701011-04 Off-Rd Moving Operations 2L, 2W, Day Only

Approved for Bidding:

Prepared By AMLRD Staff

Ronnie Huff Director Office of Mines and Minerals Illinois Dept. of Natural Resources

Approved By:

Rota m Lee

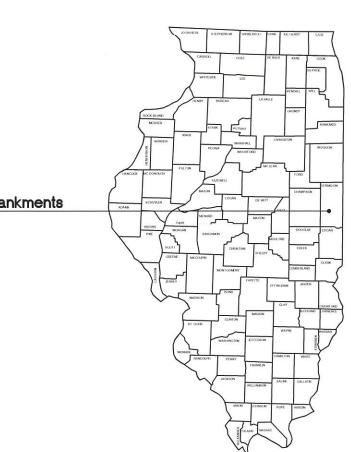
Rita M. Lee, Manager AMLR Division Office of Mines and Minerals

Kickapoo SRA Embankments Vermilion County

### PRE-BID MEETING

A voluntary pre-bid meeting is scheduled for this project at 11 a.m. on Thursday, February 11, 2021. All interested potential bidders are to meet at the project site, along Kickapoo Park Road, east of the entrance to Kickapoo State Recreation Area (SRA).

Contract No. M1904



Certified Copy

Approved By:

dans



Thaddeus J. Fáught Í IL Licensed Professional Engineer No. 062.069058

		Summary o	of Quant	ities	,		Schedule	of Seeding, Fer	rtilizer Ni
ltem No.	#	Item	Section	Quantity	Unit	Rates/Remarks	ITEM	October 15th, 2020 -	Mowing Da
NRM20110	1	Special Clearing	201	1	L SUM		(Unit)	December 1st, 2020 -	set by E
NRM20210	2	Earth Excavation	202	28,636	CU YD	Compaction in accordance with Sec. 205	SEEDING	2.2 Acres (Class 3)	
NRM25040	3	Nitrogen Fertilizer Nutrient	250	1,080	POUND	120 pounds/acre-application	(Acres)	2.3 Acres (Class 5) 2.3 Acres (Class 5A)	
NRM25050	4	Phosphorus Fertilizer Nutrient	250	900	POUND	100 pounds/acre-application	(Acres)	Z.3 Acres (Class SA)	
NRM25060	5	Potassium Fertilizer Nutrient	250	3,150	POUND	350 pounds/acre-application	AGRICULTURAL	45 Tons (10 Tons/Acre)	
NRM25070	6	Agricultural Ground Limestone	250	45	TON	10 tons/acre	GROUND LIMESTONE		
25000300	7	Seeding Class 3	IDOT 250	2.2	ACRE	Northern Illinois Slope Mixture — Embankment Area	(Tons)		
25000322	8	Seeding Class 5A	IDOT 250	2.3	ACRE	Large Flower Native Forb Mixture — Borrow Area	NITROGEN	540 Pounds	
25100115	9	Mulch Method 2, Procedure 1	IDOT 251	2.6	ACRE	2 tons/acre, Procedure 1	FERTILIZER NUTRIENT	(120 Pounds/Acre)	
NRM25810	10	Mowing	258	2.6	ACRE		(Pounds)		
NRM28040	11	Perimeter Erosion Barrier (Rolled Excelsior)		1,005	FOOT	Rolled Excelsior, 12" DIA	PHOSPHORUS	450 Pounds	6
NRM28045	12	Perimeter Erosion Barrier (Silt Filter Fence)		718	FOOT		FERTILIZER NUTRIENT	(100 Pounds/Acre)	
28100107	13	Stone RR, Class A4 (for ditches)	IDOT 281	167	SQ YD		(Pounds)		
28100801	14	Stone Dumped Riprap, Class A1	IDOT 281	1,321	TON				0
28100805	15	Stone Dumped Riprap, Class A3	IDOT 281	16,881	TON		POTASSIUM	1,575 Pounds (350 Pounds/Acre)	
28200200	16	Filter Fabric	IDOT 282	3,322	SQ YD		FERTILIZER NUTRIENT		
NRM28610	17	Special Excelsior Blanket	286	8,949	SQ YD	No mulch over special excelsior blanket	(Pounds)		
40200800	18	Aggregate Surface Course, Type B	IDOT 402	415	TON	See special note below.	MULCH, METHOD 2	2.6 Acres (2 Tons/Acre)	
542C0215	19	Pipe Culverts, Class C, Type 1, 10"	IDOT 542	25	FOOT		PROCEDURE 1		
54261910	20	Aluminum Flared End Sections, 10"	IDOT 542	2	EACH		(Acres)		
NRM56303	21	Adjusting Water Service Lines	563	704	FOOT		MOWING		
NRM56304	22	Adjusting Fiber Optic Lines	563	704	FOOT		(Acres)	2.3	2.3 Ac
NRM67110	23	Mobilization (Max. 6% of Bid)	671	1 1	L SUM				
44201683	24	Class D Patches, Type III, 3 inch	IDOT 442	2,000	SQ YD	Ndesign = 50	SPECIAL N	OTE	

#### 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 getting familiar 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 shall be staked by the Contractor prior to construction. The Contractor is responsible for the repair and/or restitution at his/her 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 the 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.

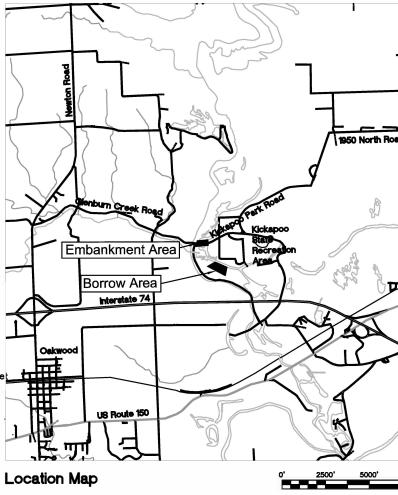
EROSION CONTROL — The Contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the Contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures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

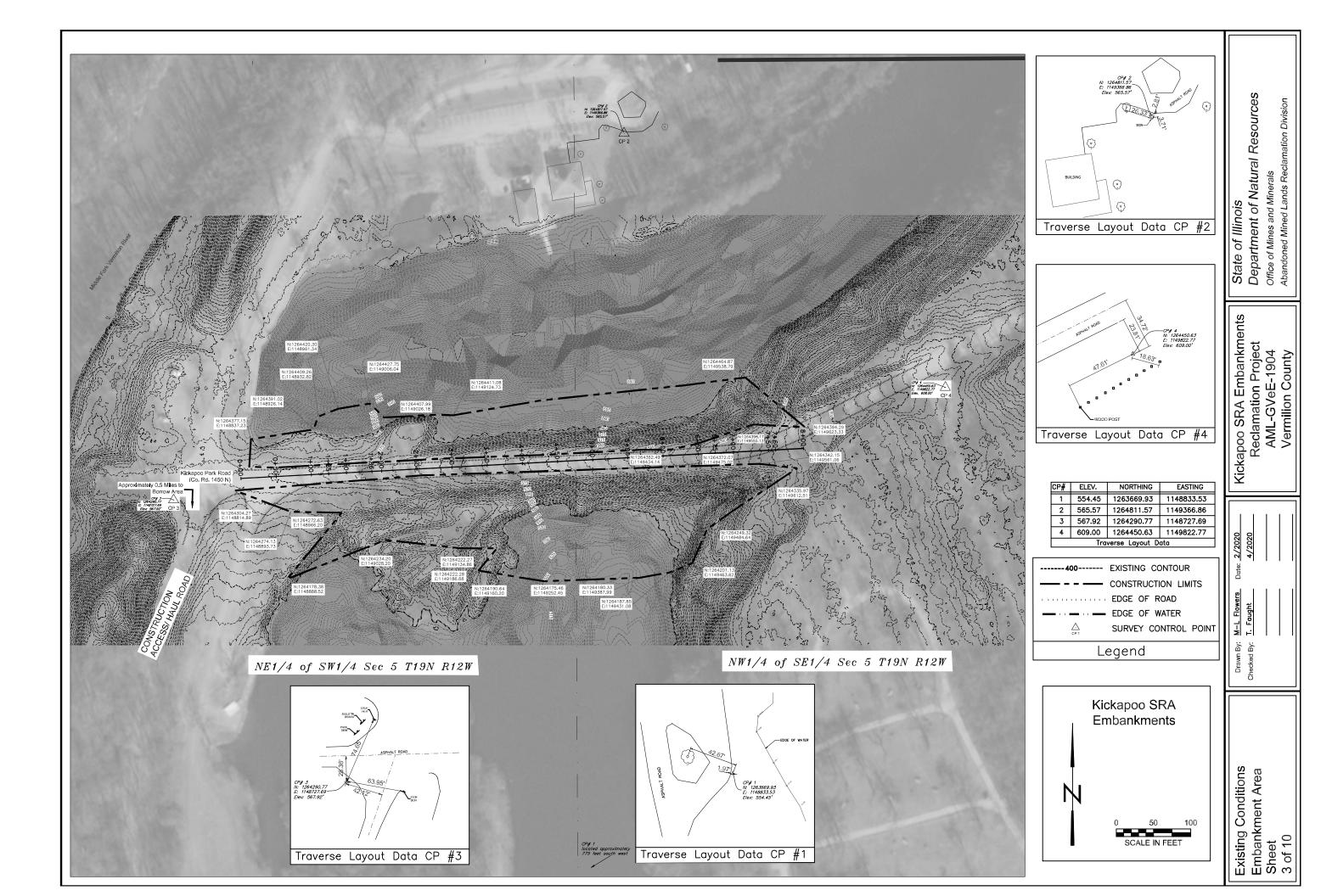
MULCHING — Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for Method 2, Procedure 1 of Article 251.03 of the Standard Specifications.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

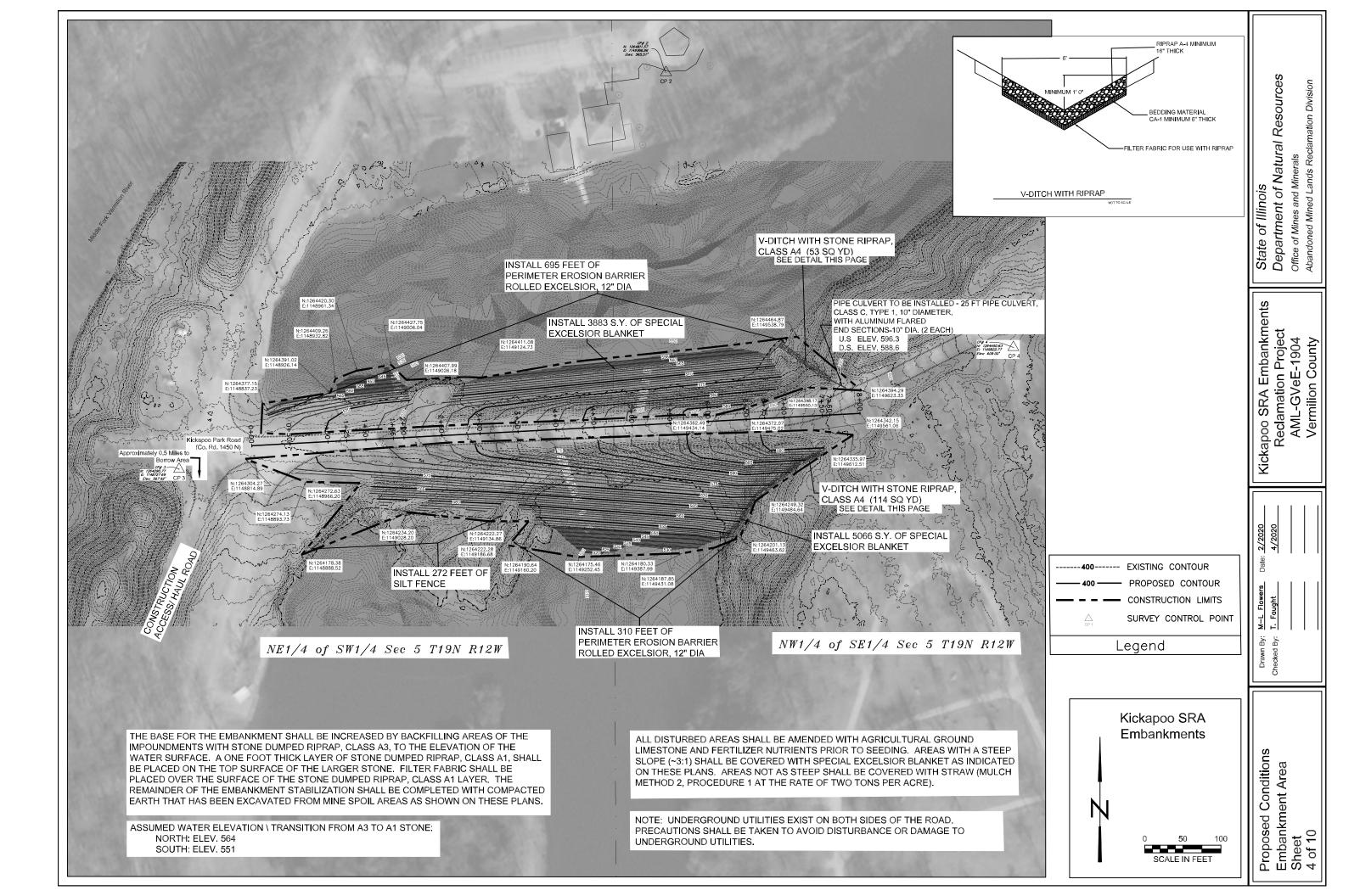
## Rock quantites to be placed as fill below the water of cross sections plus 30% to account for estimated

415 tons of Aggregate Surface Course, Type B are including the Redear Campground near the borrow of



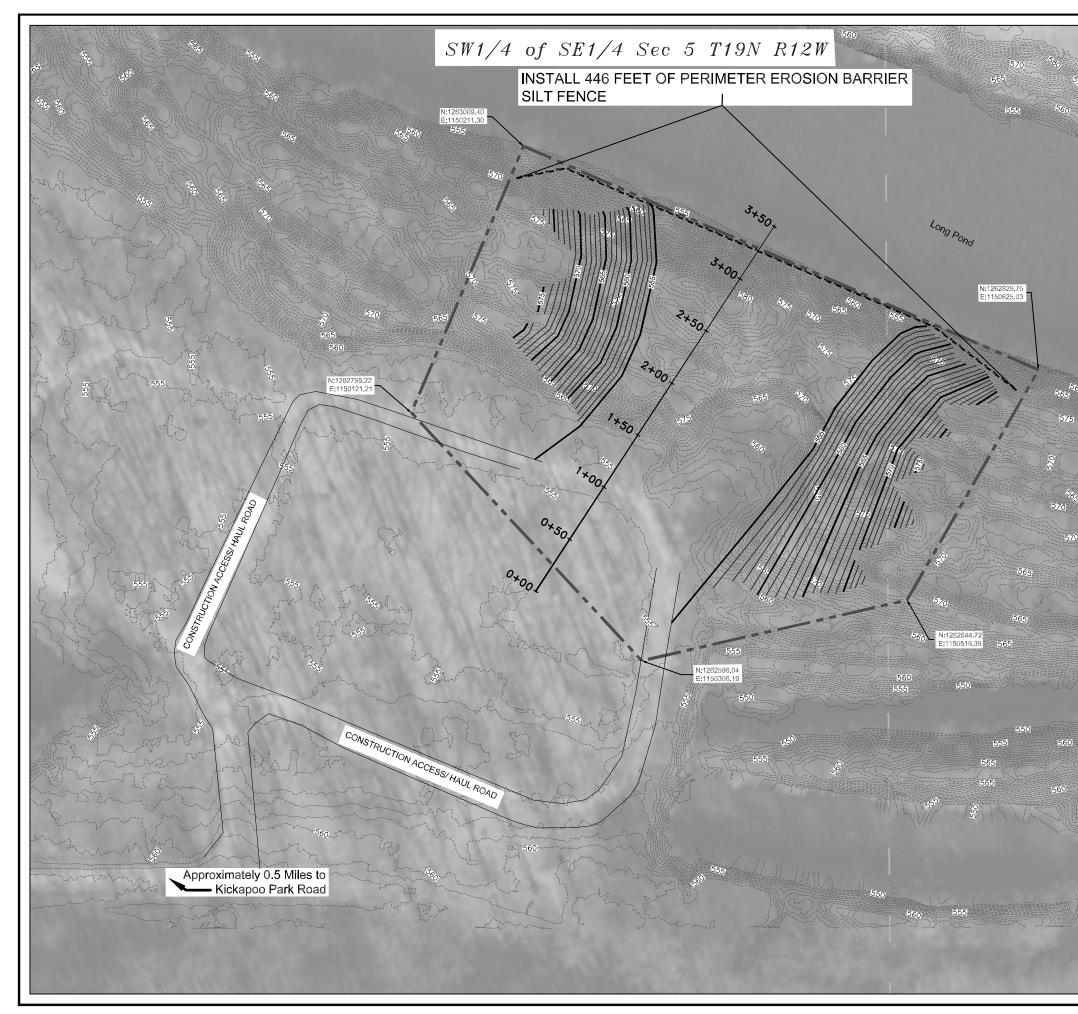
7500'		N S S	Summary of Quantities/ General Notes/Location Map Sheet 2 of 10
Ad Horeson Hor			Drwm Byr   M-L   Flowers   Date   04/2019     Checked Byr   T. Faught   04/2020   04/2020     Revised Byr   B. Johnsrud   07/2020
ed losses.	ed on average end areas iny necessary roadway repa	2.3 Acres	Kickapoo SRA Embankments Reclamation Project AML-GVeE-1904 Vermilion County
	(350 Pounds/Acre)	2.6 Acres	State of Illinois Department of Office of Mines and M Abandoned Mined La
	450 Pounds (100 Pounds/Acre) 1,575 Pounds	900 Pounds	State of Illinois Department of Natural Resources Office of Mines and Minerals Abandoned Mined Lands Reclamation Division
	540 Pounds (120 Pounds/Acre)	1,080 Pounds	atural Re erals s Reclamati
		45 Tons	SOUrc
Engineer	June 30th, 2021	QUANTITY 4.5 Acres	es a
Nutrients, Date to be	Mulch and Mov May 15th, 2021 –	ving TOTAL	



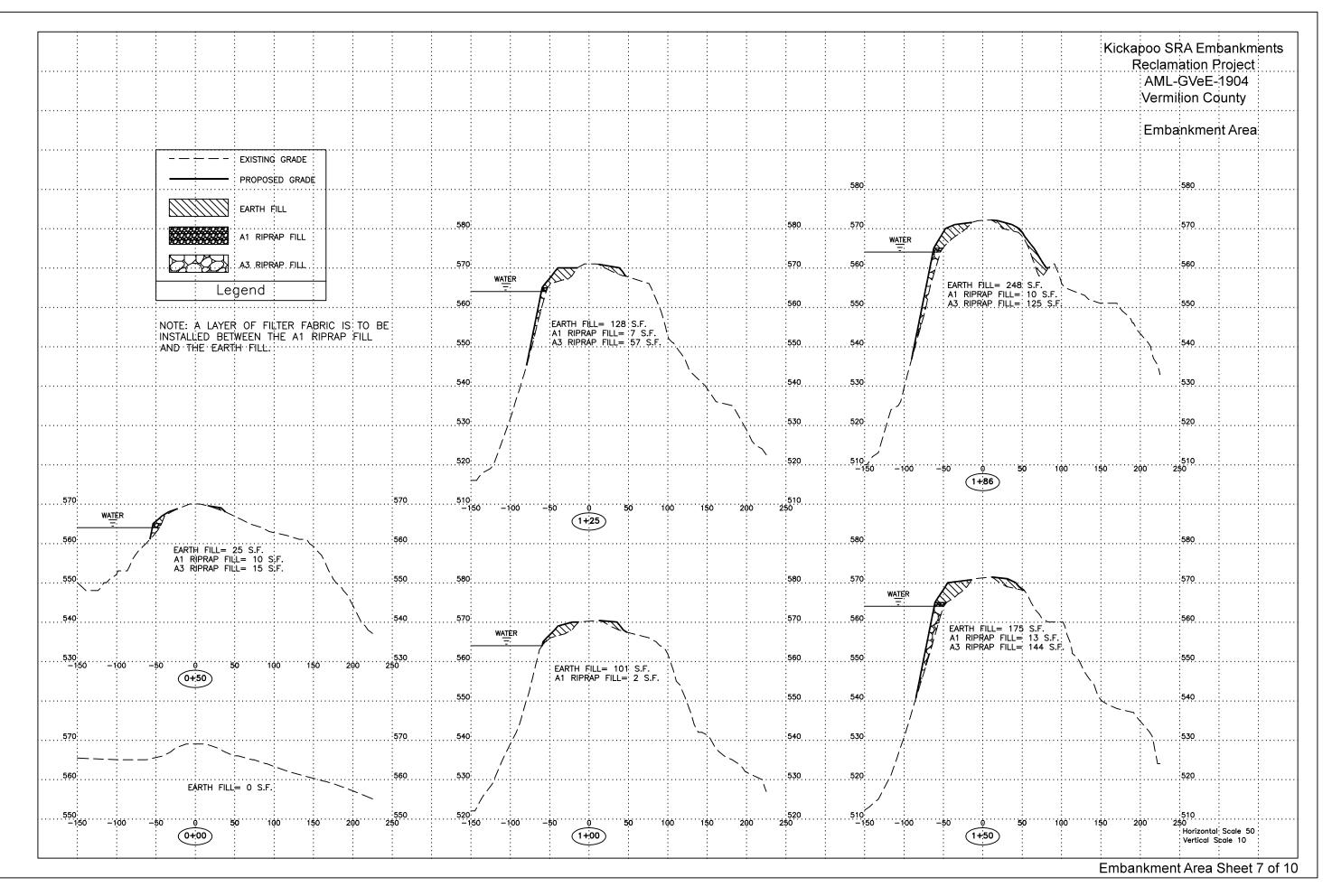


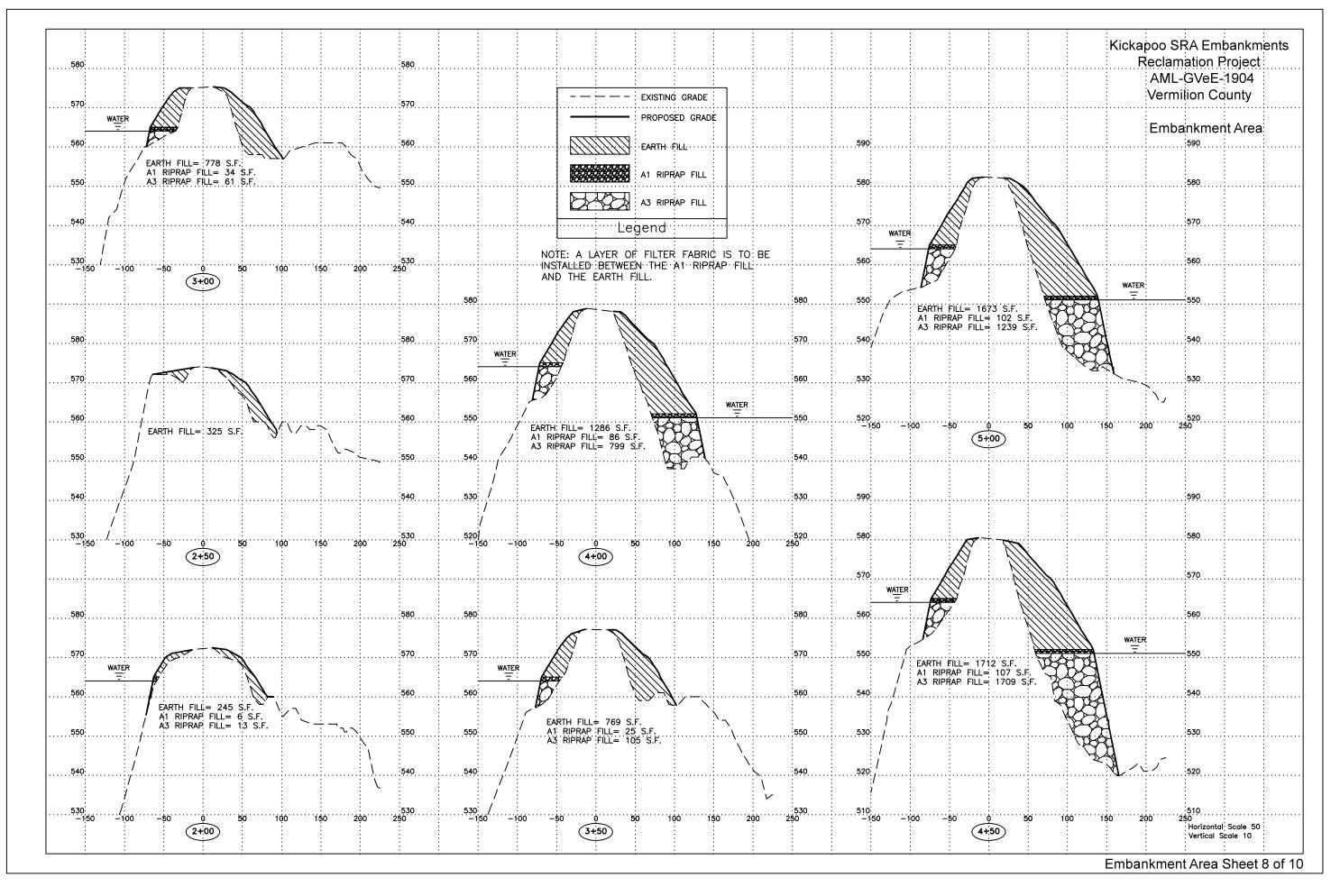


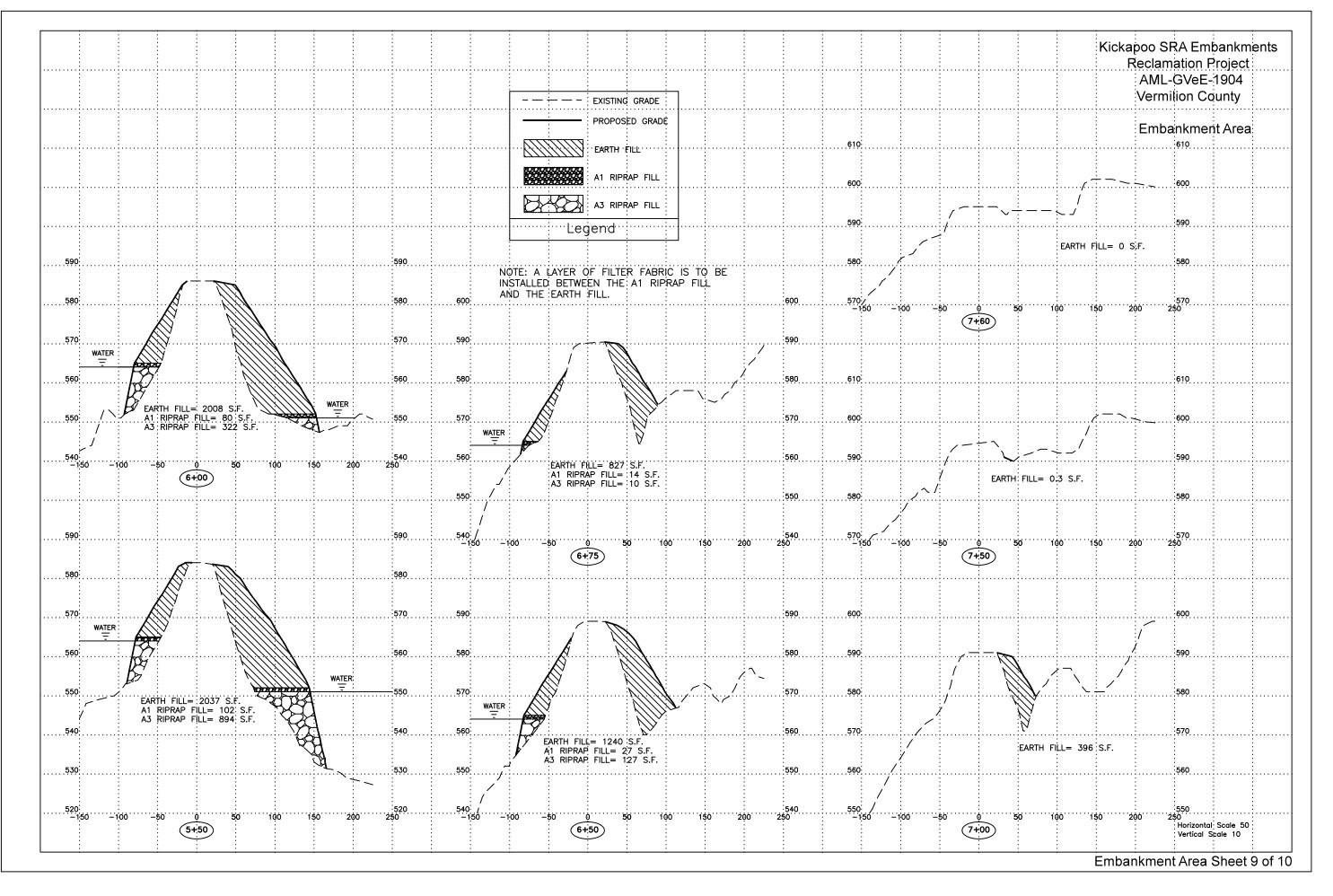
56	State of Illinois Department of Natural Resources Office of Mines and Minerals Abandoned Mined Lands Reclamation Division
570 570	Kickapoo SRA Embankments Reclamation Project AML-GVeE-1904 Vermilion County
EXISTING CONTOUR CONSTRUCTION LIMITS Legend	Drawn By: N. Lowrey Date: 2/2020 Checked By: T. Faught 4/2020
560 Kickapoo SRA Embankments	Existing Conditions Borrow Area Sheet 5 of 10

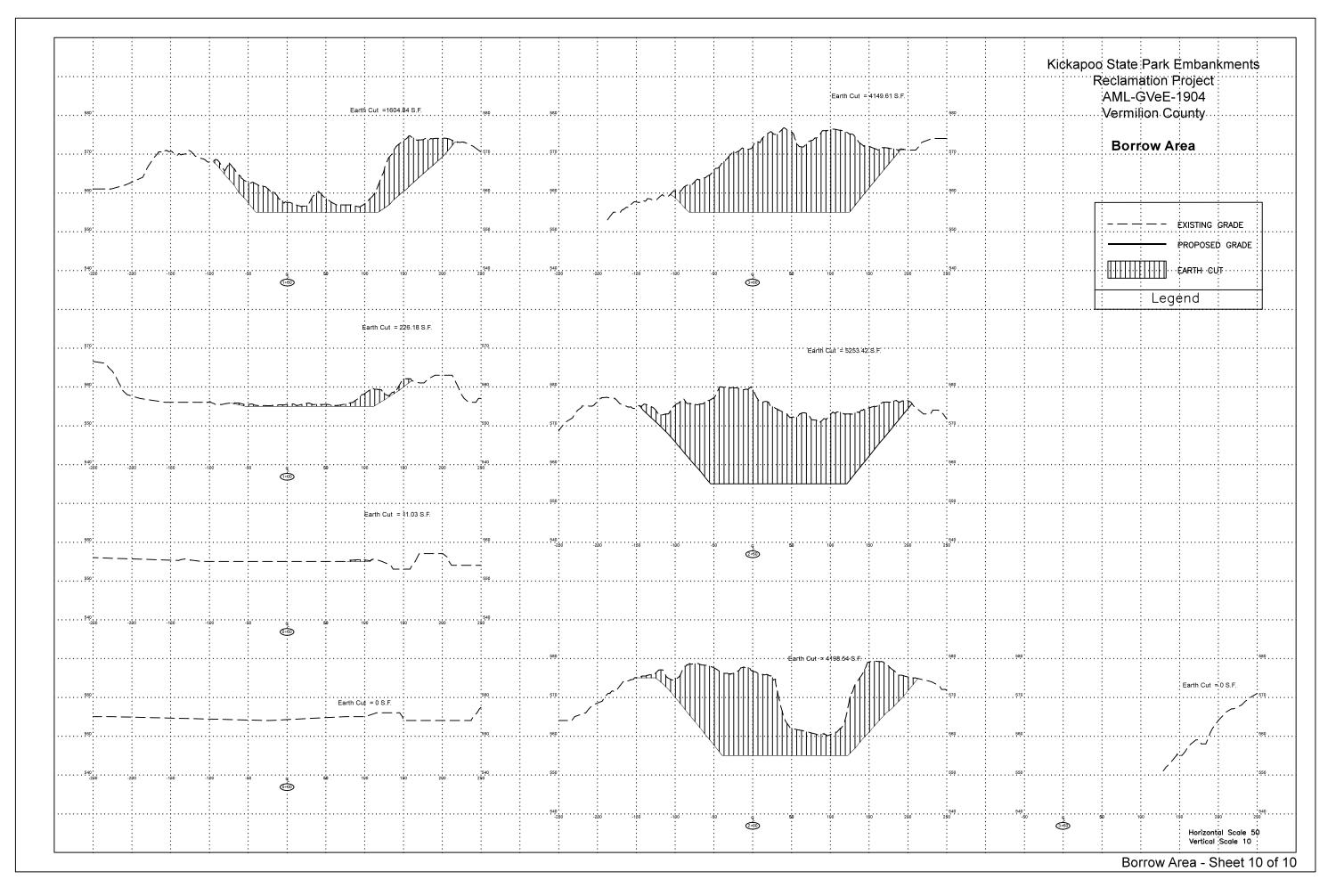


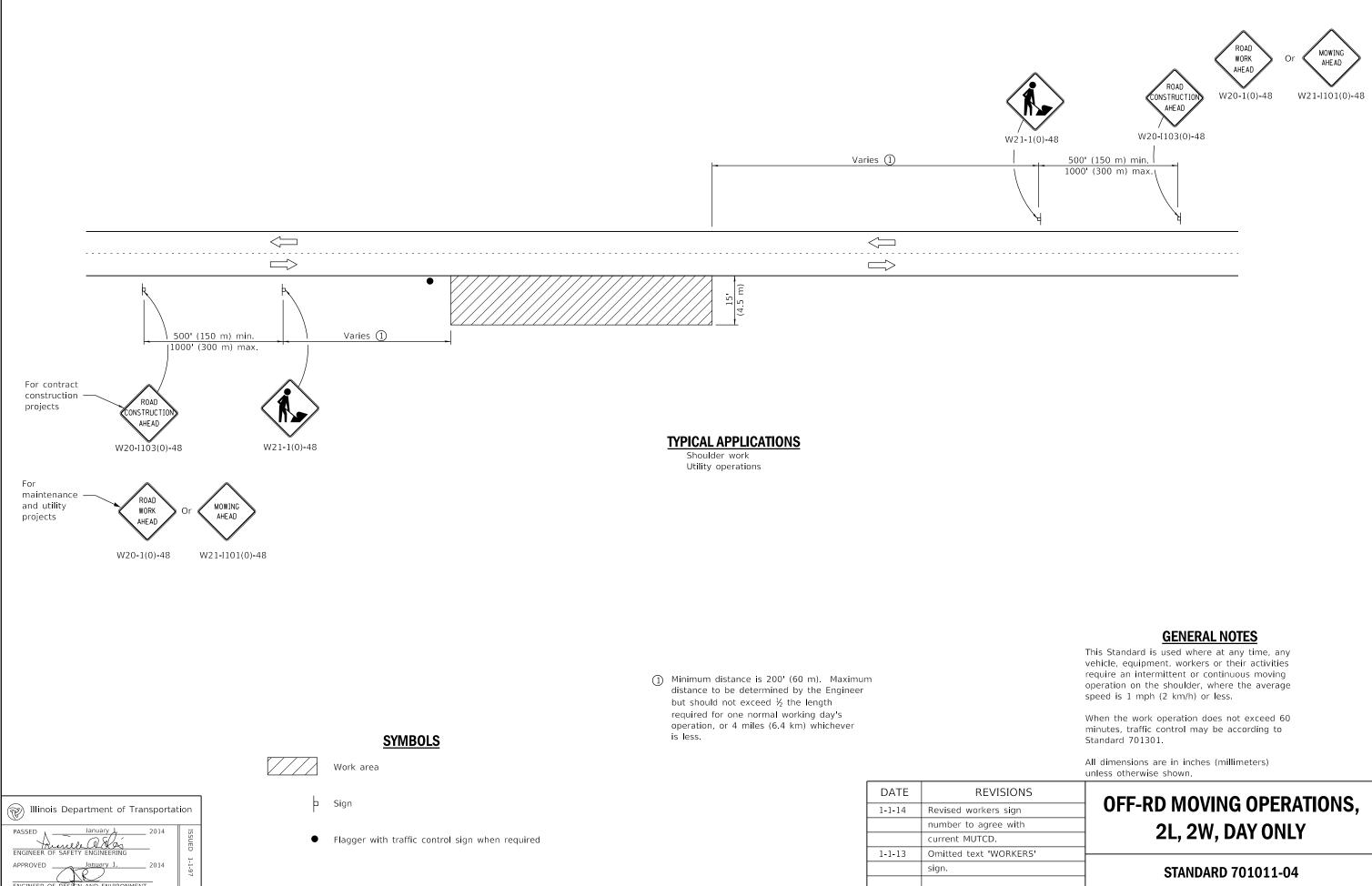
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400 EXISTING CONTOUR   400 PROPOSED CONTOUR    CONSTRUCTION LIMITS   Legend	Drawn By: N. Lowrey Date: 2/2020 Checked By: T. Faught 4/2020
Kickapoo SRA Embankments	Proposed Conditions Borrow Area Sheet 6 of 10











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