

**GERMAN HIGHWALL**

SITE NO.	CONTRACT NO.
1834	DEL2415208104/E008-322

GREENE COUNTY



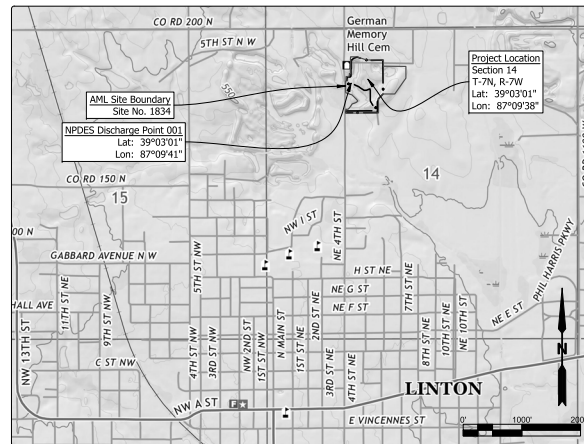
STATE OF INDIANA  
INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF RECLAMATION



ABANDONED COAL MINE  
RESTORATION

GERMAN HIGHWALL  
SITE 1834  
CONTRACT DEL2415208104/E008-322  
GREENE COUNTY

Clear and grub, backfill highwall, improve drainage,  
improve wetlands, and revegetate all disturbed areas.



Project Location Map  
Linton US TOPO (USGS, 2019)

**GENERAL NOTES**

2022 AML Standard Specifications to be used with these plans.  
Plans developed from Indiana statewide topographic mapping survey, 2018, in NAD 83, Indiana State Plane West, Feet.  
An NPDES discharge permit is required for this project. Additional NPDES discharge points can be added to facilitate construction sequencing.  
Property markers shall be set by a Professional Licensed Surveyor certified in Indiana.

**INDEX**

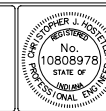
SHEET NO.	SHEET TITLE
1	Title, Index, & Location Map
2	Site Map & Site Plan
3	Sections, Revegetation Plan, Details

**UTILITIES**

The facilities of the following utilities exist near the project site but are not expected to be affected by the proposed construction. If questions arise, the utility may be contacted using the information below.

ELECTRIC/GAS/ WATER/SANITARY: Linton Municipal Utilities 86 South Main St. Linton, IN 47441 Phone: (812) 847-4971	WATER: Ellis Water Company, Inc. P.O. Box 291 Linton, IN 47441 Phone: (812) 847-9898
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TELECOM:  
AT&T Distribution  
240 N. Meridian St.  
Indianapolis, IN 46204  
Phone: (317) 610-5450

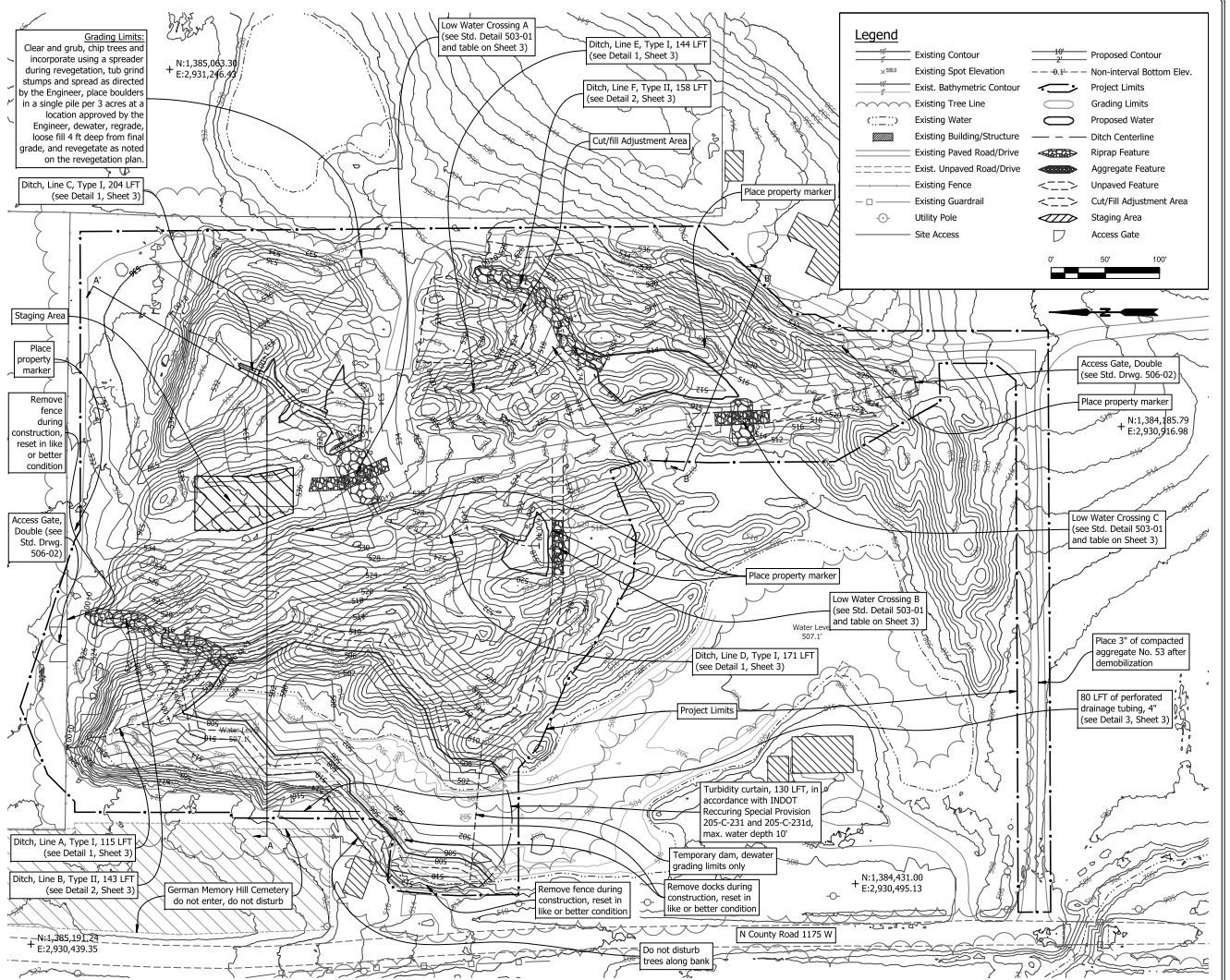


PLANS PREPARED BY: INDIANA DEPARTMENT OF NATURAL RESOURCES (812) 655-2207  
DIVISION OF RECLAMATION PHONE NUMBER  
CERTIFIED BY: *Christopher J. Nowatke* 10/2/2023 DATE  
APPROVED FOR LETTING: *Kristi Cooper* 10/2/2023 DATE  
DIVISION OF RECLAMATION

SCALE As Noted	SHEET 1 OF 3
PROJECT E008-322	SITE 1834

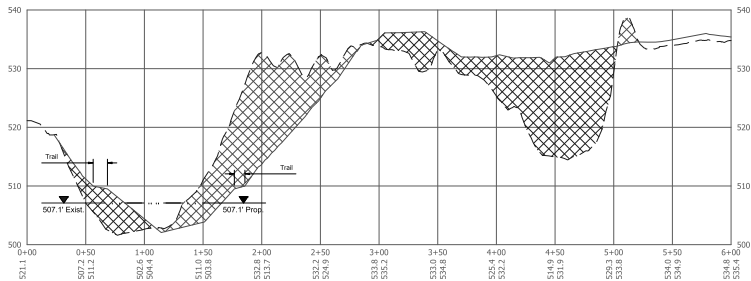


SM Site Map  
1" = 120'

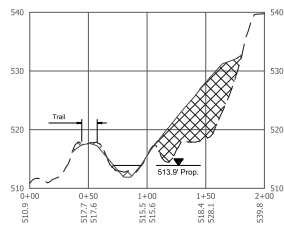


SF Site Plan  
1" = 50'

	RECOMMENDED FOR APPROVAL: <i>Christopher J. Novotny</i> 10/2/2023 DATE	DATE MADE 2/13/2023	Site Map & Site Plan	SCALE As Noted	SHEET 2 OF 3
	DESIGNED BY C.J.H.	DRAWN BY C.J.H.		DATE REVISED 9/27/2023 11:07:06 AM	PROJECT E008-322
DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION					



**(A) Section A-A'**  
1" = 50' H, 10' V

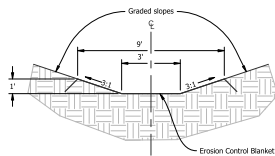


**(B) Section B-B'**  
1" = 50' H, 10' V

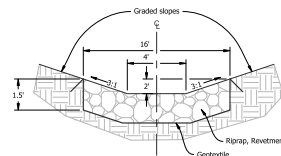
**Legend**

- - - Existing Grade
- Design Grade
- Existing Water
- Proposed Water
- ▨ Cut
- ▩ Fill

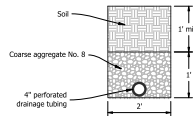
**(SC) Sections**  
As Noted



**(1) Ditch Line A and C-E, Type I**  
Not to Scale



**(2) Ditch Lines B and F Type II**  
Not to Scale

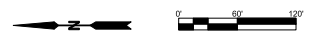
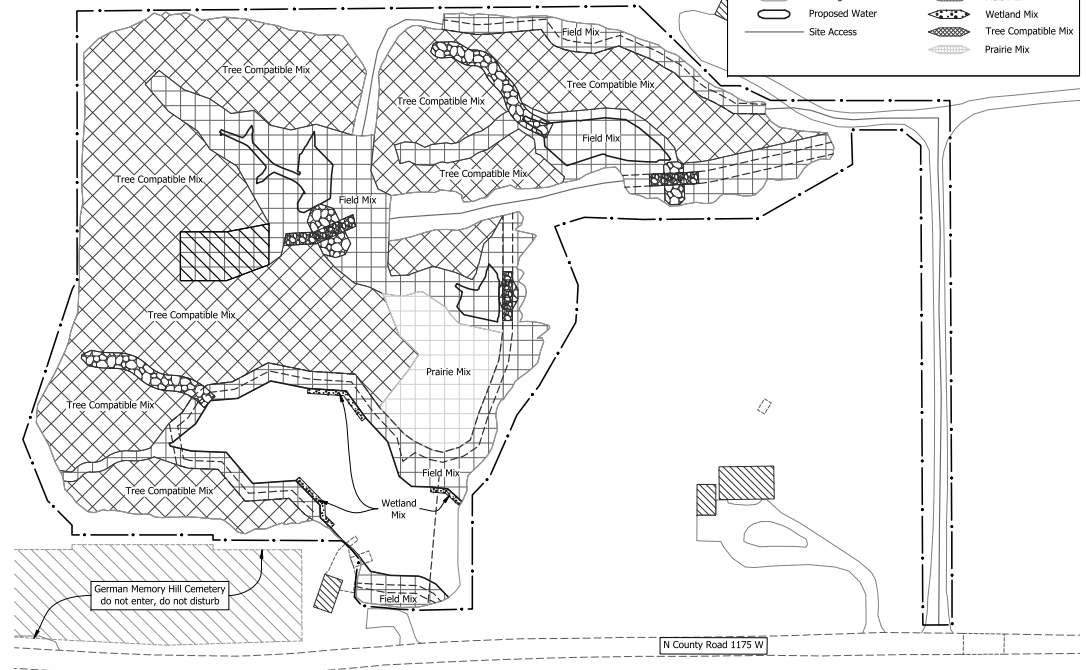


**(3) Ditch Lines B and F Type II**  
Not to Scale

- Notes:**
- Loose fill shall be placed in the fill areas of the tree compatible mix. Loose fill shall consist of a single 4 ft. lift and one pass of a low ground pressure dozer unless otherwise approved by the Engineer.
  - Prairie mix shall be placed with a drill in accordance with Std. Spec. 401.10.
  - Three raptor poles shall be placed as directed by the Engineer. Poles will be from trees to be removed on site and will be up to 24" dbh. The poles shall be securely buried a minimum of 6' below final grade and extend vertically up to 22' above final grade.
  - Field mix shall be placed on access routes, staging areas, and all other disturbed areas not otherwise specified on revegetation map, except in riprap, coarse aggregate, and final water areas.

**Legend**

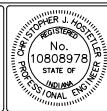
▨ Building/Structure	▨ Staging Area
▬ Paved Road/Drive	▨ Riprap Feature
- - - Unpaved Road/Drive	▨ Aggregate Feature
▬ Project Limits	▨ Unpaved Feature
▬ Grading Limits	▨ Field Mix
▬ Proposed Water	▨ Wetland Mix
▬ Site Access	▨ Tree Compatible Mix
	▨ Prairie Mix



**(RV) Revegetation Plan**  
1" = 60'

**Low Water Crossing Information**

ID	Width, W <sub>1</sub>	Base Width, W <sub>2</sub>	Side Slope, S <sub>s</sub>	Transverse Slope, S <sub>t</sub>	Upstream Elev.
A	12'	10'	10:1	-1.7%	531.0'
B	10'	10'	10:1	-5.1%	519.0'
C	12'	10'	5:1	-4.6%	514.0'



RECOMMENDED FOR APPROVAL: *Christopher J. Nowacki* 10/2/2023 DATE

DATE MADE  
2/13/2023

Sections, Revegetation Plan, & Details

SCALE  
As Noted

SHEET  
3 OF 3

DESIGNED BY  
C.J.H.

DRAWN BY  
C.J.H.

DATE REVISED  
9/27/2023 11:07:06 AM

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PROJECT  
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