STATE OF INDIANA
INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ABANDONED COAL MINE
RESTORATION

NORTHERN MAINTENANCE
VARIOUS SITES

CONTRACT DEL2115208379/E009-230
CLAY, GREENE, SULLIVAN, PARKE, OWEN,
VERMILLION, AND VIGO COUNTIES

SCOPE OF WORK INCLUDES:
DITCH CONSTRUCTION
SEEP DRAIN CONSTRUCTION
SUBSIDENCE FILL

CERTIFIED BY:  
ENGINEERING SUPERVISOR  
2/23/2021

APPROVED BY:  
DIRECTOR, DIVISION OF RECLAMATION  
2/23/2021
2010 AML Standard Specifications shall be used with this project

Erosion control blanket, riprap, aggregate, and other materials placed in ditches as directed will be paid for separately in accordance with the schedule of supplemental unit prices.

**Location Map**

OpenStreetMap©
Work Order

Work Order No. ______________ Date Issued ______________
Completion Date ______________ Contract No. ______________
Project Manager ___________________________ Site No. ____________

Location:
County: ____________________________________________

Landowner's:
Name:____________________________________________________
Address:__________________________________________________
City:____________________________ State _________ Zip_________
Phone: (_____) __________________________

Name:____________________________________________________
Address:__________________________________________________
City:____________________________ State _________ Zip_________
Phone: (_____) __________________________

Description of work:
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

________________________________________________________
Authorized Signature Date

Sheet 3 of 8
Type I Ditch
Graded Slopes
6'
1.5'
Staple edge on both sides every foot for erosion control blanket
Line ditch with material as directed

Type II Ditch
Graded Slopes
10'
2'
Staple edge on both sides every foot for erosion control blanket
Line ditch with material as directed

Type III Ditch
Graded Slopes
16'
14'
1.5' of revetment riprap
6" of No. 53 coarse aggregate

Type IV Ditch
Graded Slopes
22'
20'
8'
1.5' of revetment riprap
6" of No. 53 coarse aggregate

Note: Erosion control blanket, riprap, aggregate, and other materials placed in ditches as directed will be paid for separately in accordance with the schedule of supplemental unit prices.
Temporary Check Dam, Straw Bale

- Straw bales laid on side with bailing wire or nylon as shown
- Bailing wire or nylon
- Flow
- 1" x 2" wood stakes (typical)
- Stakes to be driven toward next bale, min. 12" into ground
- 4" min.

STATE OF INDIANA
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Lateral Detail
A-A

Collection Pipe
B-B

Coarse aggregate No. 53 wrapped in geotextile

6" perforated drainage tubing

6" perforated drainage tubing

Soil

2' min.

20'

Flow

Flow

Flow

Flow

Varies

Soil

2' min.
Typical Subsidence Backfill
Type A

Existing ground

Depth of existing depression, varies

Excavate to stable base, varies

Revetment Riprap

Bottom width of excavation, varies

Typical Subsidence Backfill
Type B

Existing ground

Depth of existing depression, varies

Excavate to stable base, varies

Revetment Riprap

Any combination of riprap, aggregate, or flowable fill as directed

Grade to Drain

3' min.

2'

3'

Bottom width of excavation, varies
Note: Entire welded gate shall be cleaned and painted with rust inhibiting primer, then top coated with high quality enamel paint (black or brown) prior to installation.