STATE OF INDIANA
INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ABANDONED COAL MINE
RESTORATION

SOUTHERN MAINTENANCE
VARIOUS SITES

CONTRACT DEL2115208303/E009-231
DAVIESS, DUBOIS, GIBSON, KNOX, MARTIN, PERRY, PIKE,
SPENCER, VANDERBURGH, AND WARRICK COUNTIES

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

CERTIFIED BY:
ENGINEERING SUPERVISOR
DATE

APPROVED BY:
DIRECTOR, DIVISION OF RECLAMATION
DATE
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.
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' 2"
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

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

Flow
Lateral Detail
A-A

Collection Pipe
B-B

Soil
Coarse aggregate No. 53 wrapped in geotextile
6" perforated drainage tubing

Flow

20'

20'

20'

Varies

2' min.

6" perforated drainage tubing

Soil
Typical Subsidence Backfill  
Type A

- Existing ground
- Depth of existing depression, varies
- Excavate to stable base, varies
- Bottom width of excavation, varies
- Revetment Riprap

Typical Subsidence Backfill  
Type B

- Existing ground
- Depth of existing depression, varies
- Excavate to stable base, varies
- Bottom width of excavation, varies
- Grade to Drain 2'
- 3' min.
- Any combination of riprap, aggregate, or flowable fill as directed
- Revetment Riprap
- Soil Fill
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.