STATE OF INDIANA
INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

ABANDONED COAL MINE
RESTORATION

FIREPIT (SURPRISE PIT)
SITE NO. 2084
CONTRACT NO. DEL2015208633/E008-302
PIKE COUNTY

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

Call Before You Dig, Indiana Underground Plant Protection Service (811-450-5544 or 811) from your mobile phone.

Call Before You Dig. Indiana Underground Plant Protection Service (1-800-382-5544 or 811 from your mobile phone.)

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:**
- Vectren (Fort Branch)
  - 1800 W. 26th St.
  - Muncie, IN 47302
  - (765) 287-2119
- Ohio Valley Gas Corp.
  - 111 Energy Park Dr.
  - Winchester, IN 47394
  - (765) 584-6842

**UTILITIES:**
- Enbridge Energy
  - 222 Indianapolis Blvd, Ste. 100
  - Schererville, IN 46375
  - (219) 684 - 5471
- Water/Sanitary:
  - Pike-Gibson Water, Inc.
    - 300 N Jackson St.
    - Oakland City, IN 47660
    - (812) 749-4916
  - Patoka Lake Regional Water & Sewer District
    - 2647 N. State Road 545
    - Dubois, IN 47527
    - (812) 678-8325

**TELECOM:**
- Frontier
  - 8001 West Jefferson Blvd
  - Fort Wayne, IN 46804
  - (260) 461-3324
- Insight Communications
  - 1900 N Fares Avenue
  - Evansville, IN 47711
  - (812) 433-1706
- New Wave Communications
  - 110 N 9th St.
  - Vincennes, IN 47591
  - (812) 887-8996
- Zayo Bandwidth
  - 9209 Castlegate Dr
  - Indianapolis, IN 46256
  - (765) 341-1199

**NATURAL GAS:**
- Vectren (Fort Branch)
  - 1800 W. 26th St.
  - Muncie, IN 47302
  - (765) 287-2119
- Ohio Valley Gas Corp.
  - 111 Energy Park Dr.
  - Winchester, IN 47394
  - (765) 584-6842

**PIPELINE:**
- Enbridge Energy
  - 222 Indianapolis Blvd, Ste. 100
  - Schererville, IN 46375
  - (219) 684 - 5471
- Enterprise Products Operating, LLC
  - 1100 Louisiana Street, 10th Floor
  - Houston, TX 77002
  - (713) 381-6500

**INDEX**

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**SITE PLANS**

**PROJECT AS NOTED**

**SCALE**

**E008-302**

**1 OF 8**

**SITE**

**2084**

**LAT:** 38° 20' 30"
**LON:** 87° 13' 45"

**NPDES Discharge Point 001**

**Lat:** 38° 20' 17"
**Lon:** 87° 13' 58"

**LAT:** 38° 21' 05.0669"
**LON:** 87° 11' 41.1681"

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Grading Limits

LFT, cattle panels on T posts
Beaver exclusion fence, 125

490
E:2,909,090.14
N:1,124,587.22

E:2,909,102.95
N:1,123,929.28

Type I, 472 LFT
Ditch, Line A, Type I, 248 LFT
Ditch, Line B, (see Detail 5, Sheet 8)

520

480
470
Stump Disposal

FOR APPROVAL:
RECOMMENDED
C.J.H. 9/2/2020 10:00:23 AM

C.J.H.
FIELD SEED MIX

- Common Oat (Avena sativa) 50 lbs/ac
- Little Bluestem (Schizachyrium scoparium) 5 lbs/ac
- Orchard Grass (Dactylis glomerata) 5 lbs/ac
- Perennial Ryegrass (Lolium perenne) 8 lbs/ac
- Smooth Brome (Bromus inermis) 5 lbs/ac
- Cave-In-Rock Switchgrass (Panicum virgatum) 5 lbs/ac
- Weeping Lovegrass (Eragrostis curvula) 2 lbs/ac
- White Clover (Trifolium repens) 10 lbs/ac
- Red Clover (Trifolium pratense) 8 lbs/ac

WETLAND SEED MIX

- Permanent Grass/Sedge:
  - Fox Sedge (Carex vulpinoidea) 6 lbs/ac
  - Blunt Spikerush (Eleocharis obtusa) 1 lbs/ac
  - Virginia Wildrye (Elymus virginicus) 48 lbs/ac
  - Common Rush (Juncus effusus) 5 lbs/ac
  - Green Bulrush (Scirpus atrovirens) 5 lbs/ac
  - Woolgrass (Scirpus cyperinus) 4 lbs/ac
  - Softstem Bulrush (Scirpus validus) 5 lbs/ac

- Forbs:
  - American Water Plantain (Alisma subcordatum) 4 lbs/ac
  - Swamp Milkweed (Asclepias incarnata) 2 lbs/ac
  - Nodding Beggartick (Bidens cernua) 4 lbs/ac
  - Allegheny Monkeyflower (Mimulus ringens) 1 lbs/ac
  - Broadleaf Arrowhead (Sagittaria latifolia) 6 lbs/ac
  - Swamp Verbena (Verbena hastata) 2 lbs/ac

TEMPORARY COVER:
- Common Oat (Avena sativa) 24 lbs/ac
- Italian Ryegrass (Lolium perenne) 9 lbs/ac

WARM SEASON SEED MIX

- Permanent Grass/Sedge:
  - Big Bluestem (Andropogon gerardii) 2 lbs/ac
  - Little Bluestem (Schizachyrium scoparium) 3 lbs/ac
  - Indiangrass (Sorghastrum nutans) 2 lbs/ac
  - Cave-In-Rock Switchgrass (Panicum virgatum) 2 lbs/ac
  - Sideoats Grama (Bouteloua curtipendula) 3 lbs/ac
  - Canada Wildrye (Elymus canadensis) 1 lbs/ac

- Forbs:
  - Midwest Forbs Mix
    - 5% Black-eyed Susan (Rudbeckia hirta)
    - 11% Engelmann's Daisy (Engelmannia peristenia)
    - 51% Illinois Bundleflower (Desmanthus illinoensis)
    - 13% Purple Prairie Clover (Dalea purpurea)
    - 5% Maximilian Sunflower (Helianthus maximiliani)
    - 15% Partridge Pea (Chamaecrista fasciculata)

- Warm Season Mix shall be placed with a drill.

TREE PLANTING SEED MIX

- Alfalfa (Medicago sativa) 5 lbs/ac
- Cave-In-Rock Switchgrass (Panicum virgatum) 5 lbs/ac
- Common Oat (Avena sativa) 50 lbs/ac

Notes:
1. Wetland mix shall be spread 1 ft. each side of proposed water's edge.
2. Loose fill shall be placed in the fill areas of the tree planting 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.
3. 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.
4. Warm Season mix shall be placed with a drill.

Legend:
- Site Access
- Site Limits
- Proposed Water
- Unpaved Road/Drive
- Paved Road/Drive
- Unpaved Feature
- Aggregate Feature
- Proposed Water
- Proposed Water
- Grading Limits
- Grading Limits
- Riprap Feature
- Aggregate Feature
- Unpaved Feature

Site Access
Staging Area
Paved Road/Drive
Unpaved Road/Drive
Building/Structure
Wetland Mix
Field Mix
Temporary Planting Mix
Main Road Mix