INDIANA DEPARTMENT OF NATURAL RESOURCES
BLUE GRASS FISH AND WILDLIFE AREA
PUBLIC ACCESS SITE
SITE PAVING IMPROVEMENTS

Blue Grass FWA Public Access Site
Paving Improvement
New Harmony Road
Warrick Co., IN

LATITUDE: 38° 04' 11.42" N
LONGITUDE: 87° 27' 41.22" W
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### UTILITIES

**ELECTRIC:**  
VECTREN ENERGY DELIVERY  
CONTACT: JODY CHAPMAN  
1 N. MAIN STREET  
EVANSVILLE, IN 47711  
812.491.4765  
Jody.Chapman@centerpointenergy.com

**WATER:**  
ELBERFELD WATER DEPARTMENT  
CONTACT: DENNIS MILLER  
175 Sycamore ST  
ELBERFELD, IN 47613  
812.983.4365  
812.598.2463

**COMMUNICATION:**  
ATT DISTRIBUTION  
CONTACT: MARC CLARK  
134 NW 6TH STREET  
EVANSVILLE, IN 47708  
812.464.6050  
mc3429@att.com

**GAS:**  
VECTREN ENERGY DELIVERY  
CONTACT: SHELBY WILLIAMS  
1 N. MAIN STREET  
EVANSVILLE, IN 47711  
812.491.4765  
Shelby.Williams@centerpointenergy.com
Driving Directions:
Take IN 37 South, becoming I-69 South. Follow I-69 South to Evansville and take exit 15 for Boonville New Harmony Road. Turn left onto Boonville New Harmony Road (East), continue 0.5 miles to Blue Grass FWA parking and boat launch, on the left (North).
Existing 4,477 Sq. Yds. Gravel Parking Lot

22' Concrete Boat Ramp to Remain

Ex. Guard Rail to Remain

Concrete Parking and Walks to Remain

Covered Sign Board to Remain

Rip-Rap Revetment to Remain in Place.

New Harmony Road

Existing Site

Covered Sign Board to Remain

Existing 4,477 Sq. Yds. Gravel Parking Lot

Concrete Boat Ramp to Remain

Ex. Guard Rail to Remain

Concrete Parking and Walks to Remain

Rip-Rap Revetment to Remain in Place.

New Harmony Road
Demolition Plan

Gravel Scraping Area

Gravel Removal Area

Demolition Notes:
1. Existing Concrete Pads and Aprons to Remain.
2. Existing Guard Rails and Bollards to Remain.
3. Gravel Surface to be Potholed for Total Rock Depth, Scraped a Nominal 1/2" Depth, and Patched Where Necessary Prior to Any HMA Surface Placement. Coordinate with Site Manager for Waste Disposal Area.
4. Contractor is to Fill Depressions and Ponding Locations with Clean #53 Stone to Provide Drainage off of Lot in Accordance to Existing Drainage Patterns.

Indiana Dept. of Natural Resources
Blue Grass FWA Public Access Site
Site Paving Improvement Project

VS ENGINEERING, INC.
203 Main Street
Evansville, Indiana 47708
Phone: (812) 401-3030
Fax: (812) 401-3030
www.vengineering.com

2275 North High School Rd
Indianapolis, Indiana 46254
Fax: (317) 283-3542
Phone: (317) 283-3542

SCALE: As Noted
DATE: 2020.09.01
DRAWN BY: JKS
PROJECT#: 20-4383
DRAWING: 5
50 Sq. Yds. Type II Driveway

4,138 Sq. Yds. Resurface Paving

Control Point
Corner of Concrete
N: 1035098.39
E: 2842952.54

N: 1035127.95
E: 2842865.13

N: 1035145.59
E: 2842925.51

1" = 50'

N: 1035060.63
E: 2842812.40

N: 1034995.97
E: 2842815.06

N: 1034921.52
E: 2842866.22

N: 1034899.38
E: 2842875.53

N: 1034891.17
E: 2842855.11

R=15'

R=15'

R=5'

R=5'

New Harmony Road

50 Sq. Yds. Type II Driveway

Paving and Patching Plan

1. Existing Concrete Aprons and Pads to Remain.
2. Provide Perimeter Grading where Necessary to Prevent Water Ponding on Pavement

General Notes:

HMA Resurfacing Paving

Type II Driveway Paving

Indiana Dept. of Natural Resources
Blue Grass FWA Public Access Site
Site Paving Improvement Project
Pavement Striping and Signage Plan

General Notes:
1. See Sheet 12 for ADA Stall Striping and Signage Requirements.
2. Nominal Parking is 9' Wide by 18' Deep at 90°.
3. Boat Trailer Parking Stall is 12' Wide by 40' Deep at 45°.

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Scale: As Noted
Date: 2020.09.01
Drawn By: JKS
Project #: 20-4383
Drawing #: 7

Engineer, Project No. 10910591
Right Turn Only
X-R3-5R
Erosion Control Plan

Erosion Control Notes:

(L) Flow Leaving Site

(E) Flow Entering Site

Existing Surface Overflow Direction (Sheet & Shallow Concentrated Flow)

Portable Latrine - Suggested Location

Construction Dumpster - Suggested Location

Maintain Existing Gravel Entrance During Construction

Maintain Existing Grass Cover to Serve as Vegetative Filter Strip

New Harmony Road

Indiana Dept. of Natural Resources
Blue Grass FWA Public Access Site
Site Paving Improvement Project
REMOVE EXISTING GRAVEL SURFACE 1/2"

275 LB/SY HMA INTERMEDIATE, TYPE B

MINIMUM 165 LB/SY HMA SURFACE, TYPE B

ASPHALT EMULSION TACK (AE-T) PER INDOT STANDARDS BETWEEN BITUMINOUS LAYERS (MAY BE DELETED BY THE ENGINEER)

PATCH EXISTING GRAVEL AREAS THAT FAIL PROOF ROLL AS PER SHEET 10

PROVIDE AGGREGATE SHOULDER WEDGE TO MATCH GRADE BEYOND PAVING LIMITS OF EXISTING GRAVEL AREA.

HMA SURFACING OF EXISTING AGGREGATE

nts
MATCH EXISTING GRAVEL DEPTH

TYPE II SUBGRADE TREATMENT
(6" OF THE SUBGRADE EXCAVATED AND REPLACED WITH COARSE AGGREGATE NO. 53)

GRAVEL PATCH & REPAIR

1' GRIND OFF EXISTING 1 3/4" SURFACE AND REPAVE WITH REPAIR.

EXISTING PAVEMENT EDGE TO BE SAW CUT BY CONTRACTOR

ALL EXISTING BITUMINOUS SURFACES THAT MEET WITH THE NEW BITUMINOUS SURFACES SHALL BE CLEANED AND COVERED WITH ASPHALT EMULSION TACK (AE-T) PER INDOT STANDARDS.
(MAY BE DELETED BY THE ENGINEER)

ASPHALT JOINT DETAIL

MILLING SHALL CONFORM TO SEC. 306 OF INDOT SPECS.
6" COMPACTED AGGREGATE NO. 53

275 LB/SY HMA INTERMEDIATE, TYPE B

165 LB/SY HMA SURFACE, TYPE B

ASPHALT EMULSION TACK (AE-T) PER INDOT STANDARDS BETWEEN BITUMINOUS LAYERS (MAY BE DELETED BY THE ENGINEER)

TYPE II SUBGRADE TREATMENT* (6" OF THE SUBGRADE EXCAVATED AND REPLACED WITH COARSE AGGREGATE NO. 53)

* IF SUBGRADE FAILS PROOF ROLLING, REPLACE SUBGRADE TREATMENT II WITH TYPE IV SUBGRADE TREATMENT.

TYPE II DRIVEWAY PAVEMENT SECTION
NOTE:
1. REFLECTIVE BLUE BACKGROUND WHITE LETTERING AND SYMBOL LETTERING MINIMUM 1" HEIGHT.
2. SIGN TO BE MOUNTED ON 2" METAL POST.
3. ONE SIGN PER ACCESSIBLE SPACE.
4. VAN ACCESSIBLE SIGN TO BE MOUNTED BELOW STANDARD ACCESSIBLE SIGN WHERE SPECIFIED ON PLANS. COLORING TO MATCH.
5. SEE DETAIL SHEET 12 FOR ADA SIGN MOUNTING.

ADA PARKING SIGN (TYP.)

GENERAL NOTES:
1. PAVEMENT MARKINGS ARE TYPICAL 4" WIDTH FOR STRIPING AND ADA SYMBOL.
2. TRAFFIC MARKING APPLICATIONS SHALL BE THERMOPLASTIC.
3. ADA STRIPING SHALL BE BLUE AS PER IAC 5-16-9. ALL OTHER ON-SITE STRIPING SHALL BE WHITE.
4. PASSENGER VEHICLES MAY SHARE THE VAN LOADING ACCESS AISLE WHEN ADJACENT TO EACH OTHER.
5. SLOPES WITHIN THE PARKING STALL, ACCESS AISLE, AND PATH OF TRAVEL SHALL NOT EXCEED 2.0% SLOPES. RAMPS SHALL NOT EXCEED 12:1 SLOPES WITH A MAXIMUM DISTANCE OF 6'-0".

ADA PARKING STALL (VAN)

ADA PARKING STALL (CAR)

DETAIL SHEET
SITE SIGNAGE
(As required)
Note: - Sign faces rotated 90° for clarity-face to be installed perpendicular to parking space in field

6"Ø Sch 40 steel pipe filled with concrete (Optional)
Paint pipe base yellow

2" galvanized steel post

Encase steel pipe in concrete 3000 PSI

Pavement

SIGN POST MOUNTING (TYP.)

DETAIL SHEET

Indiana Dept. of Natural Resources
Blue Grass FWA Public Access Site
Site Paving Improvement Project

SCALE: As Noted
DATE: 2020.09.01
DRAWN BY: JKS
PROJECT#: 20-4383
DRAWING: 13