NOTES:
1. See Standard Drawing E 211-BFIL-02 for Section P-P.
Typical Section P-P

Variable B Borrow

Typical Section P-P

Shoulder Elevation

Earth Fill

Variable

Shoulder Elevation

L  Roadway

C

H

h

1/2 W

1/2 W

Roadway

W

TYPICAL SECTION P-P

E  211-BFIL-02

INDIANA DEPARTMENT OF TRANSPORTATION

FLARED WINGS

TYPICAL CROSS SECTION

SEPTEMBER 1994

STANDARD DRAWING NO. E 211-BFIL-02

/s/ Anthony L. Uremovich  11-5-99

DESIGN STANDARDS ENGINEER  DATE

/s/ Firooz Zendi  11-5-99

CHIEF ENGINEER  DATE

IN

STATE OF

INDIANA

No.

18095

11-15-99

11-15-99

Anthony L. Uremovich

Firooz Zendi

E 211-BFIL-02

TYPICAL CROSS SECTION

Approved Foundation Soil

Average Present Ground Line

1 1/2 :1 Slopes

Approved Foundation Soil

Average Present Ground Line

1 1/2 :1 Slopes

p 2' (min.)

p 8' (max.)

4'

3'

3'

4'

6'

6'

6'

6'

6'

6'

6'

6'

6'

1 1/2 :1 Slopes

Variable

B Borrow

B Borrow

Earth Fill

Earth Fill

4'
ADJACENT TO RAILROAD OR HIGHWAY

BACKFILL PLACEMENT
INTERIOR BENT OR PIER

INDIANA DEPARTMENT OF TRANSPORTATION

SEPTMBER 2003

STANDARD DRAWING NO. E 211-BFIL-03

/s/ Richard L. Van Cleave 09/04/12
DESIGN STANDARDS ENGINEER  DATE

/s/ Mark A. Miller 09/04/12
CHIEF ENGINEER  DATE

Backfill with Soil from the excavation for the footing
45° (max.) Bend, If Required

End bent drain pipe exits under wingwall. Slope to drain.

6 in (min.)