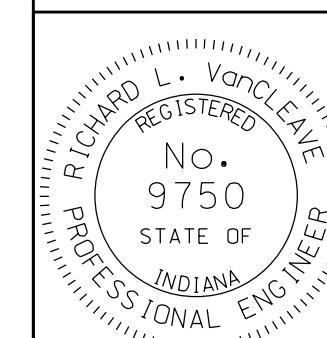
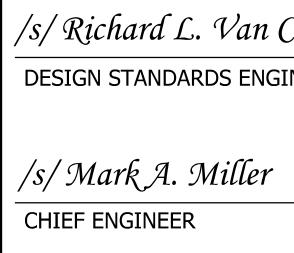
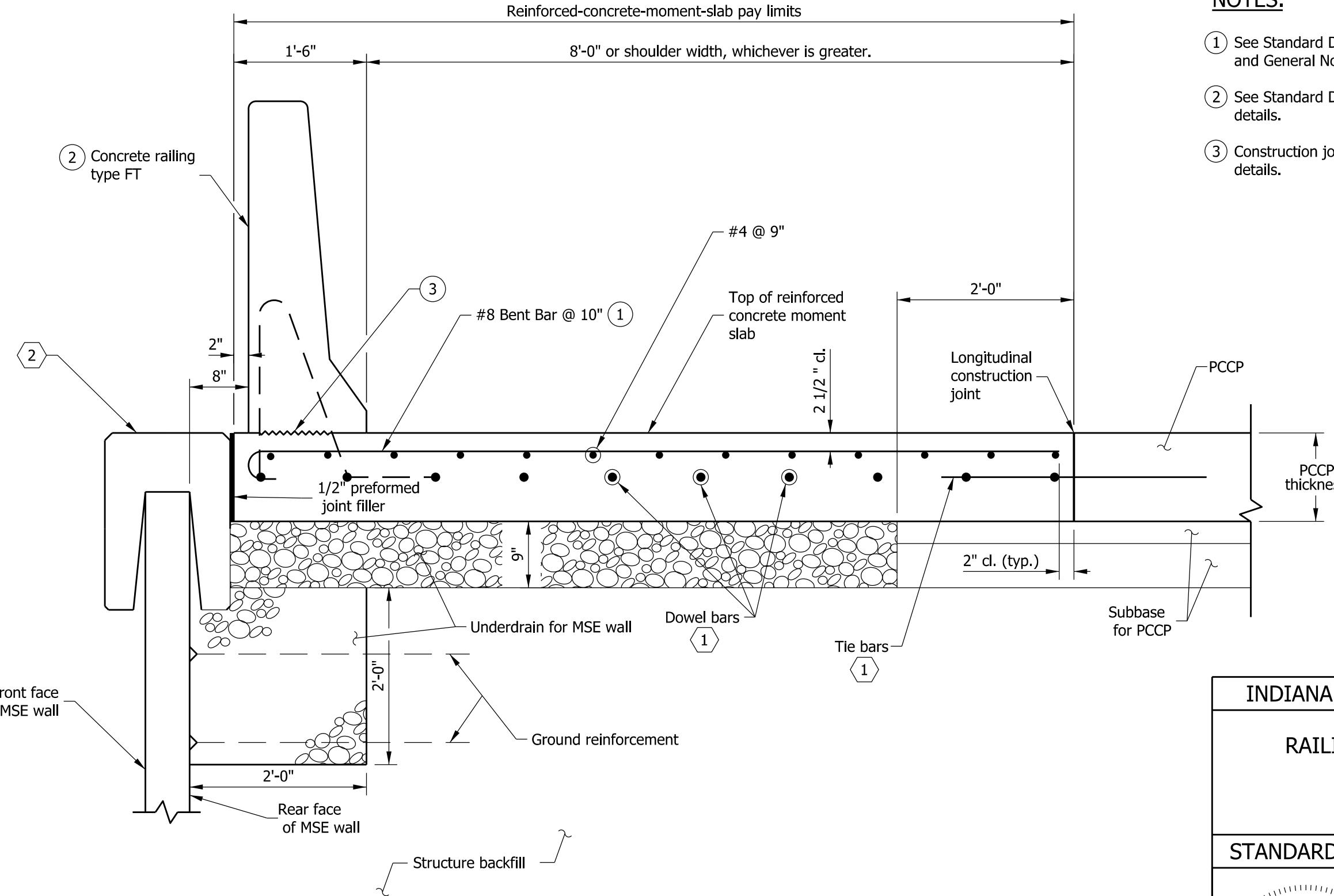


NOTES:

1. See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes .
2. See Standard Drawing E 706-BRSF-01 for concrete railing type FC details.
3. Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION	
RAILING TYPE FC AND MOMENT SLAB ASIDE MSE WALL - PCCP	
SEPTEMBER 2012	
STANDARD DRAWING NO. E 706-MSRW-01	
	/s/ Richard L. Van Cleave 09/04/12
	DESIGN STANDARDS ENGINEER DATE
	/s/ Mark A. Miller 09/04/12
	CHIEF ENGINEER DATE



NOTES:

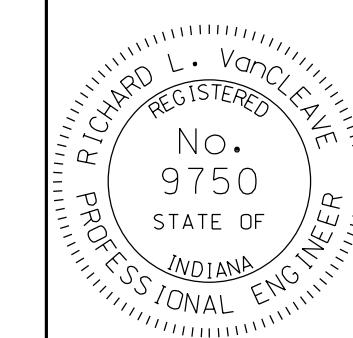
- (1) See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- (2) See Standard Drawing E 706-BRSF-02 for concrete railing type FT details.
- (3) Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING TYPE FT AND MOMENT SLAB
ASIDE MSE WALL - PCCP

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-02

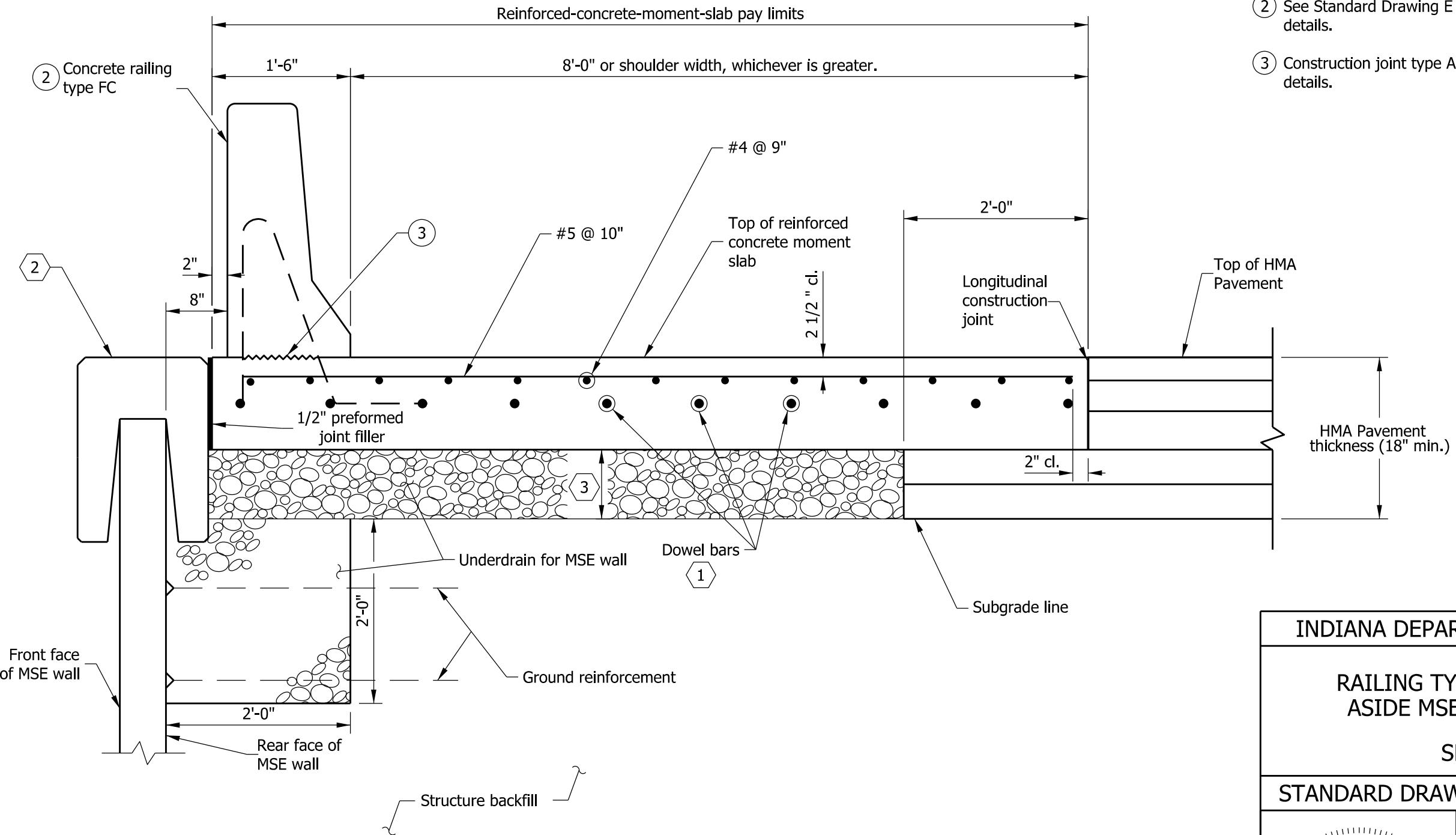


/s/ Richard L. Van Cleave 09/04/12
DESIGN STANDARDS ENGINEER DATE

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

NOTES:

1. See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes .
- 2 See Standard Drawing E 706-BRSF-01 for concrete railing type FC details.
- 3 Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

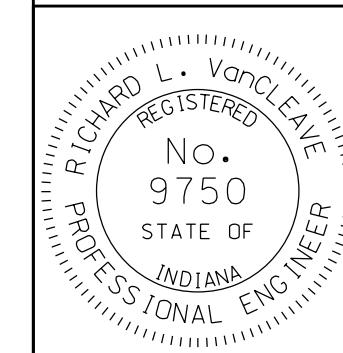


INDIANA DEPARTMENT OF TRANSPORTATION

**RAILING TYPE FC AND MOMENT SLAB
ASIDE MSE WALL - HMA PAVEMENT**

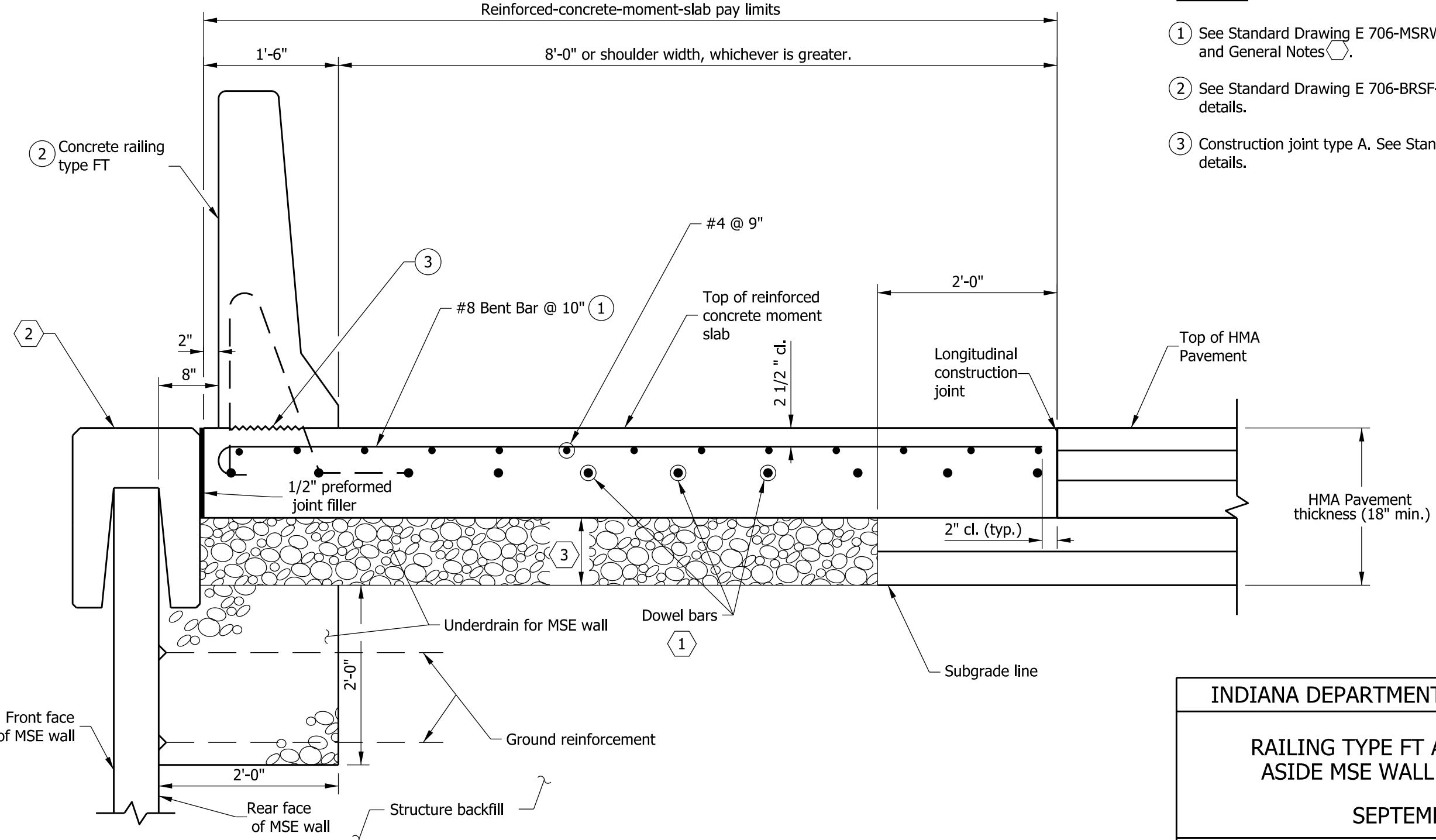
SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-03



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

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



NOTES:

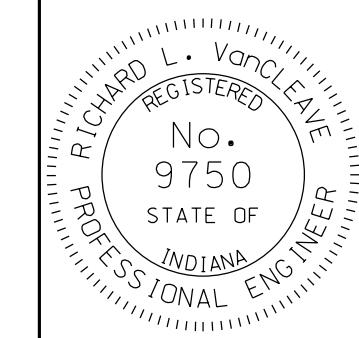
- ① See Standard Drawing E 706-MSRW-10 for reinforcing-bar diagrams and General Notes.
- ② See Standard Drawing E 706-BRSF-02 for concrete railing type FT details.
- ③ Construction joint type A. See Standard Drawing E 702-CJTA-01 for details.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING TYPE FT AND MOMENT SLAB
ASIDE MSE WALL - HMA PAVEMENT

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-04

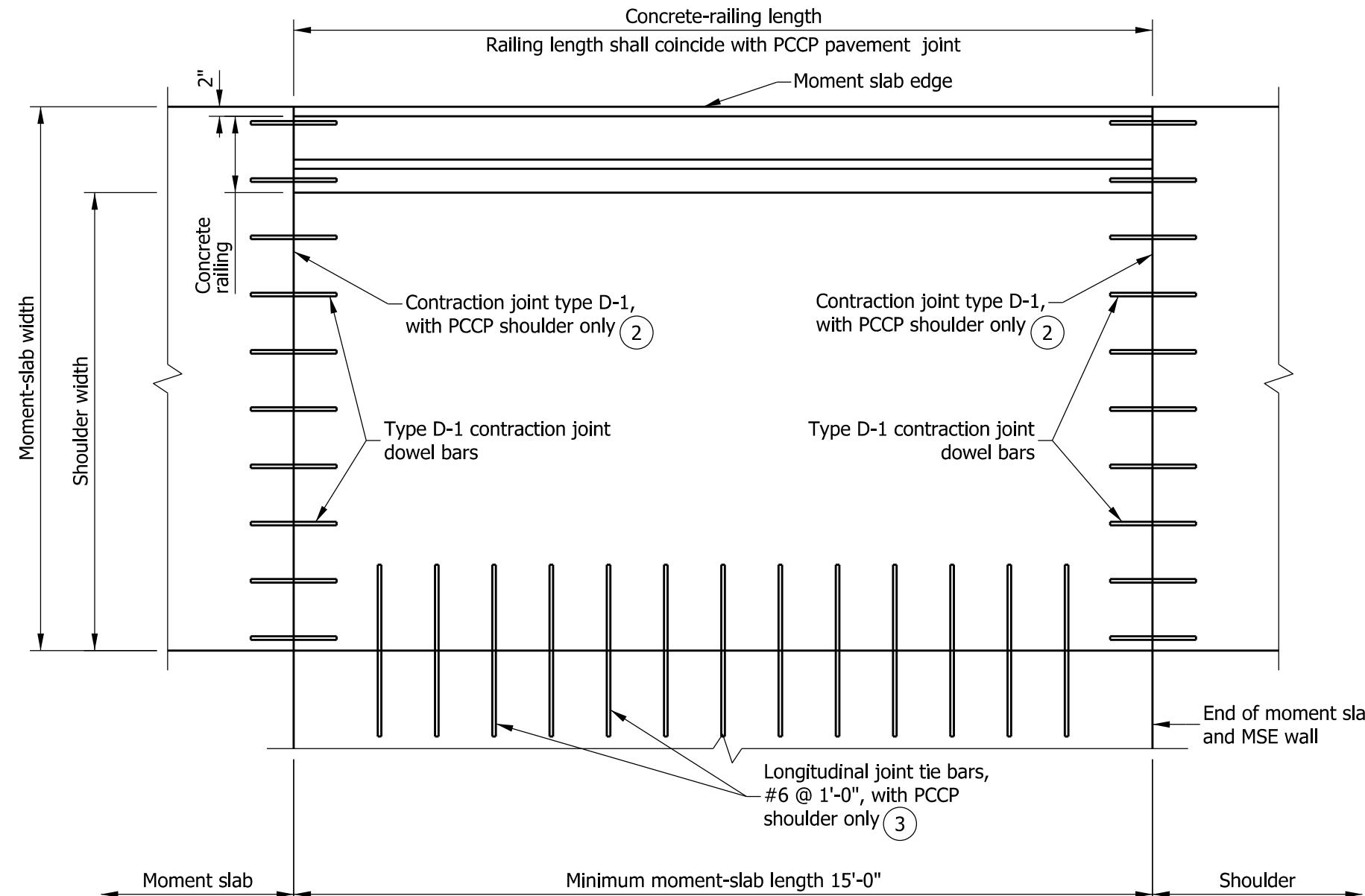


/s/ Richard L. Van Cleave 09/04/12

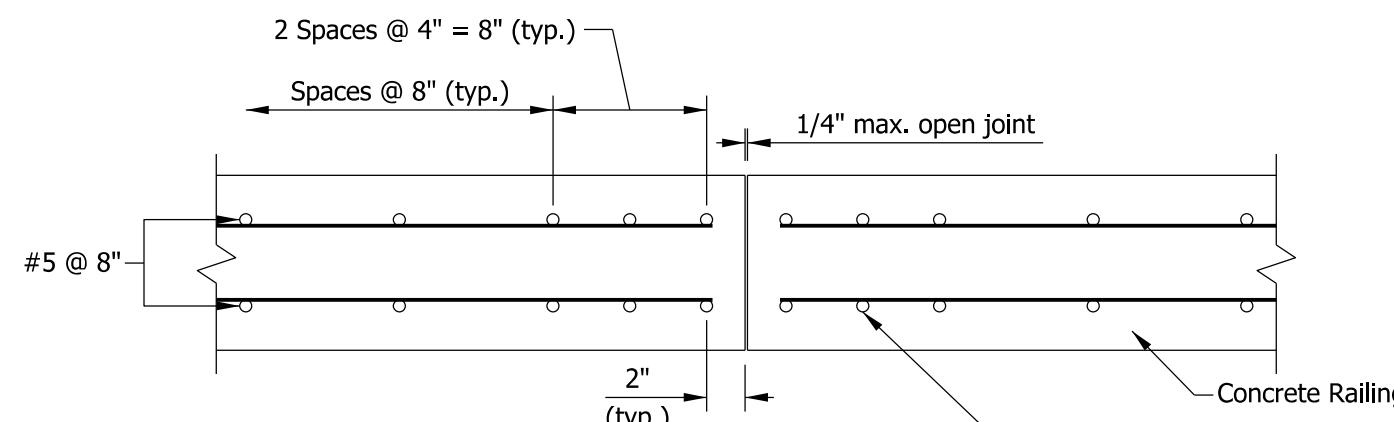
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/04/12

CHIEF ENGINEER DATE



PLAN - REINFORCED CONCRETE MOMENT SLAB JOINTS



PLAN - CONCRETE RAILING
ADDITIONAL VERTICAL STEEL

NOTES:

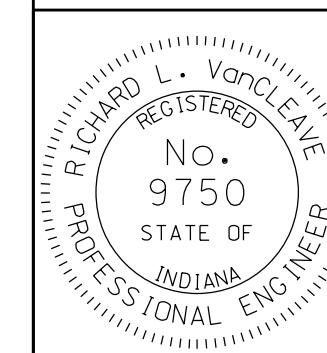
1. Where used with HMA mainline pavement, concrete railing and moment-slab lengths shall coincide and be spaced at 18 ft. 0 in.
- 2) See Standard Drawing series E 503-CCPJ for contraction joint type D-1 details.
- 3) See Standard Drawing series E 503-CCPJ for joint tie-bar details.

INDIANA DEPARTMENT OF TRANSPORTATION

MOMENT SLAB AND RAILING JOINTS

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-09



/s/ Richard L. Van Cleave 09/04/12

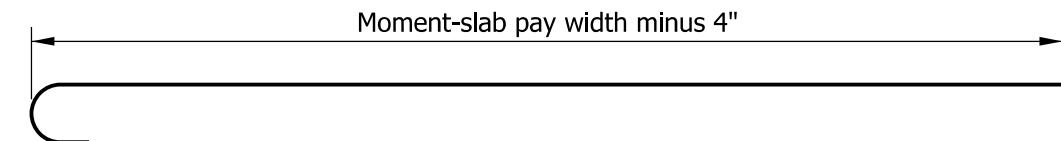
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/04/12

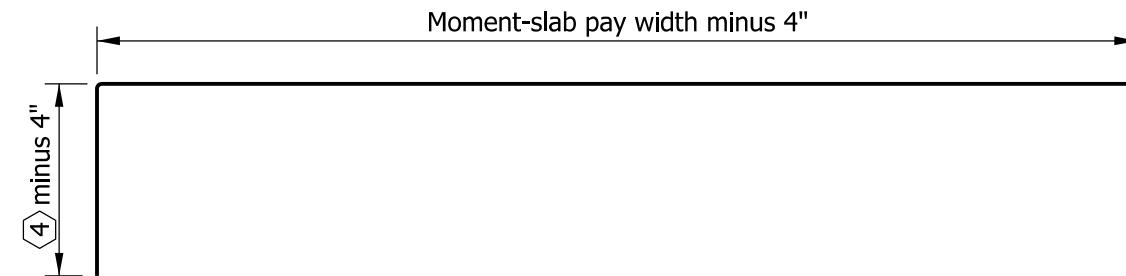
CHIEF ENGINEER DATE

GENERAL NOTES:

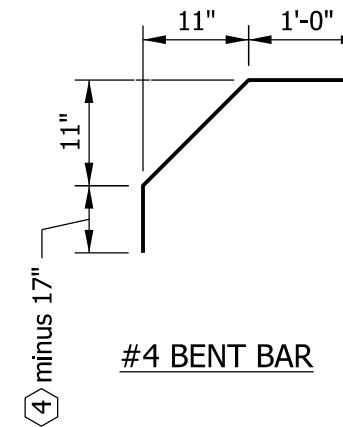
- ① See Standard Drawing E 706-MSRW-09 for plan view and additional reinforcing bars in the railing at the railing joints.
- ② See Standard Drawing E 731-MSEW-01 for coping details.
- ③ The thickness of the coarse aggregate No. 8 shall be equal to the combined thickness of the first two lifts of the HMA, but not less than 6 in.
- ④ •For moment slab thickness \leq 15 in., this shall be 2 ft. 0 in.
•For moment slab thickness $>$ 15 in., this shall be moment-slab thickness plus 12 in.
5. The moment slab shall be used only within the limits of the MSE wall.
6. Reinforcing bars in the moment slab shall be epoxy coated.
7. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending diagrams and notes.



#8 BENT BAR
WITH STANDARD 180° HOOK



#5 BENT BAR OR #8 BENT BAR
WITH STANDARD 90° BEND



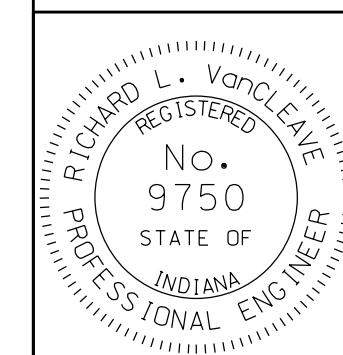
#4 BENT BAR

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING AND MOMENT SLAB
AT MSE WALL

SEPTEMBER 2012

STANDARD DRAWING NO. E 706-MSRW-10



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

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