

## MSEW 03 LRFD3 Details Guidance and Alernate Details

Standard Drawing Guidance (do not show on plans):

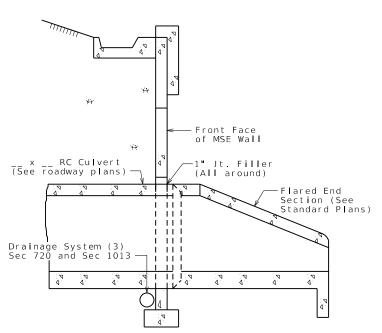
Revise notes and details per project as necessary.

For Modified Type A and Type B Gutter and Fence Post Connection details, see Missouri Standard Plans No. 607.11.

For Type A & Type B Gutter information, see Missouri Standard Plans No. 609.00.

See EPG 751,24,2,1 for drainage guidance.

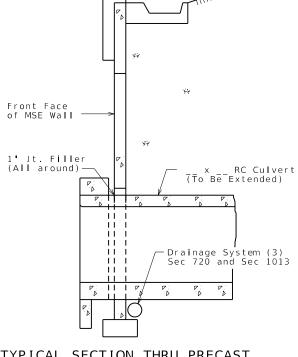
- ① Show the minimum embedment = maximum (2 feet; embedment based on Geotechnical Report and global stability requirements; and FHWA-NHI-10-024, Table 2-2); or according to Geotechnical Report if it shows that rock is known to exist.
- ② District Design Division to verify 6" diameter pipe or increase diameter. Minimum pipe diameter shall be 6".
- ③ Do not show values in the plan details. MSE wall designer shall include this table on shop drawings and provide values used in the design computations.
- (4) Show H:V fill slope or "Varies"
- (5) For bridge lengths less than or equal to 200 feet, use 4'-6" minimum setback which is based on the use of 18" inside diameter pipe pile spacers and FHWA-NHI-10-024, Figure 5-17C. For larger than 18" diameter pipe pile spacers, increase clear space between MSE wall & front face of the end bent beam such that no soil reinforcement is skewed more than 15°. For bridge lengths greater than 200 feet, use 5'-6" minimum setback which is based on the use of 24" inside diameter pipe pile spacers.
- (6) When rock is anticipated within 5 feet below the MSE wall leveling pad, embed pipe pile spacers at least 12" into rock and bear pile on the rock.
- 7) For bridge length less than or equal to 200 feet, add "(See special provisions)".
  For bridge length greater than 200 feet, add pipe diameter.
- 8 For walls parallel to abutment, provide actual slope H:V. Otherwise, replace leadered note with "Varies (5)".



## TYPICAL SECTION THRU PRECAST MODULAR PANEL WALL AT CULVERT

Vertical joint in MSE wall shall be located at each exterior culvert wall.

(New Culvert)



## TYPICAL SECTION THRU PRECAST MODULAR PANEL WALL AT CULVERT

Note: Vertical joint in MSE wall shall be located at each exterior culvert wall.

(Culvert Extension)