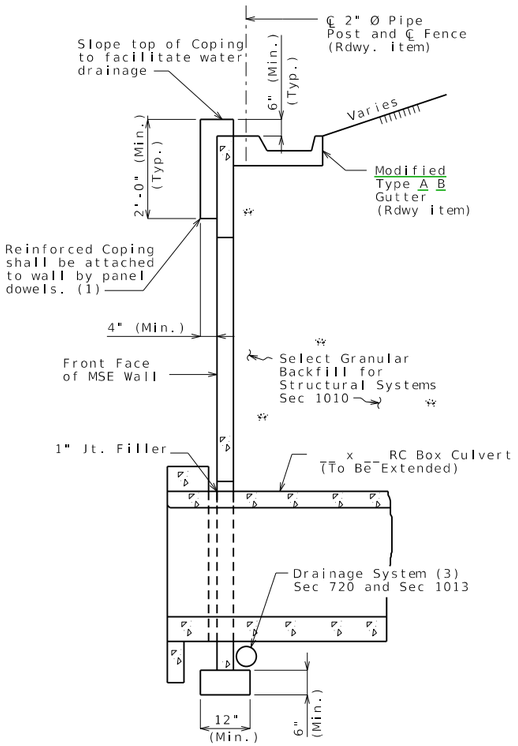
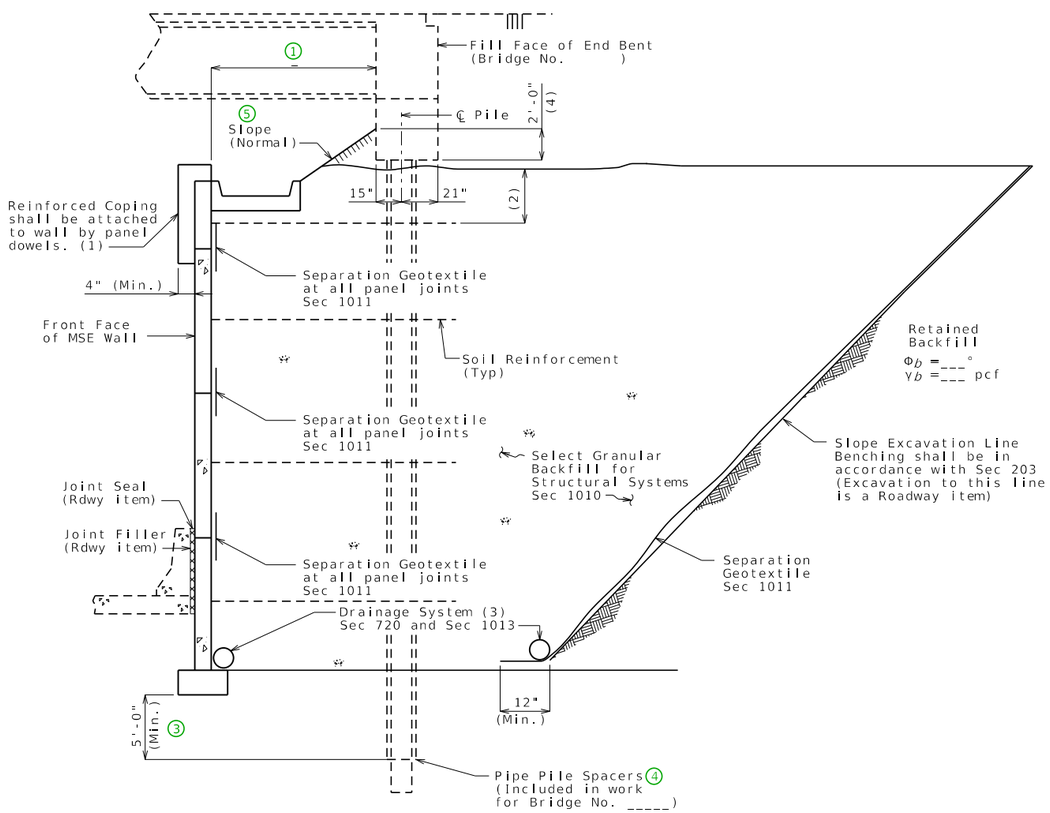
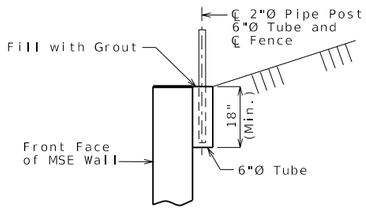


TYPICAL SECTION THRU
LARGE BLOCK WALL AT CULVERT

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



TYPICAL SECTION THRU
LARGE BLOCK WALL UNDER BRIDGE



FENCE POST CONNECTION
BEHIND WALL
(WITHOUT GUTTER)

Note: For additional information, see "TYPICAL SECTION THRU LARGE BLOCK WALL SHOWING FILTER CLOTH".

(1) Inverted U-shape reinforced capstone may be used in lieu of coping. Panel dowels for level-up concrete shall be required and provided by manufacturer. The dowels shall be field trimmed to clear the capstone by a minimum of 1 1/2 inches and a maximum of 2 1/2 inches.

(2) Topmost layer of reinforcement shall be fully covered with select granular backfill for structural systems, as approved by the wall manufacturer, before placement of the Separation Geotextile.

(3) Minimum (2) __ diameter perforated PVC or PE pipe.

Manufacturer shall show drain details on design plans to be submitted as shown on MoDOT MSE wall plans and/or roadway plans.

Contractor shall modify the drain details as shown if it will improve flow as may be the case for stepped leveling pad, and for an uneven ground line (approval of the engineer required).

(4) See bridge plans.

Standard Drawing Guidance (do not show on plans):

Revise notes and details per project as necessary.

Gutter type should be selected at core team meeting.

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

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

See EPG 751.24.2.1 for drainage guidance.

(1) 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.

(2) District Design Division to verify 6" diameter pipe or increase diameter. Minimum pipe diameter shall be 6".

(3) 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.

(4) For bridge length less than or equal to 200 feet, add "(See special provisions)".
For bridge length greater than 200 feet, add pipe diameter.

(5) For walls parallel to abutment, provide actual slope H:V. Otherwise, replace leadered note with "Varies (4)".

DETAILS FOR GENERIC MSE WALL

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

DATE PREPARED 7/26/2024
ROUTE | STATE MO
DISTRICT BR | SHEET NO. 000
COUNTY
JOB NO.
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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