**** This drawing is not to scale. Follow dimensions.****

**TYPICAL SECTION THRU LARGE BLOCK WALL UNDER BRIDGE**

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

- **Joint Seal** (Bridge No.)
- **Joint Filler** (Bridge item)
- **Joint Seal** (Bridge item)
- **Separation Geotextile** (Bridge No.)
- **Separation Geotextile** (Bridge No.)

**Separation Geotextile**

- Sec 720 and Sec 1013
- For bridge plans.
- For Type A and Type B Gutter information, see Missouri Standard Plans No. 607.11.
- For Modified Type A and Modified Type B Gutter and Fence Post Connection Details, see Missouri Standard Plans No. 609.00.

**Reinforced Coping**

- Front Face of MSE Wall
- Reinforced Coping shall be attached to wall by panel dowels:
- Inverted U-shape reinforced capstone may be used in lieu of coping. Panel dowels for invert capstone 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.

**Joint Filler**

- Sec 1010 Structural Systems
- Backfill for Select Granular Drainage System (3)
- Minimum __ diameter perforated PVC or PE pipe.
- 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, FHWA-NHI-10-024, Figure 5-17C. For larger pipe pile spacers and 6" diameter pipe pile spacers, increase clear space between pipe pile spacers and MSE wall & front face of the end bent beam such that no soil consolidation occurs.
- For Type A and Type B Gutter and Fence Post Connection Details, see Missouri Standard Plans No. 609.00.

**Pile Pipe Spacers**

- Included in work for bridge No. _____
- Standard Drawing Guidance (do not show on plans):
- Revise rates and details per project as necessary.
- Engineer type and details shall be selected at core team meeting.
- Otherwise, replace leadered note with "Varies (4)"

- For bridge lengths less than or equal to 200 feet, use 4'-6" - 5'-6" minimum setback which is based on the use of 12" inside diameter pipe pile spacers. See EPG 751.24.2.1 for drainage guidance.
- 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.

- District Design Division to verify E" diameter pipe or increase diameter. Minimum pile diameter shall be 6".
- When rock is anticipated within 5 feet below the MSE wall, embed pipe pile spacers at least 24" into rock and bear pile on the rock.

- For bridge lengths less than or equal to 300 feet, add "(See Special Provisions)"
- For bridge lengths greater than 200 feet, add pile diameter.

- For walls parallel to abutment, provide actual slope H:V.
- For walls normal to abutment, provide actual slope H:V.
- For bridge lengths greater than 200 feet, see EPG 751.24.2.1 for drainage guidance.

- For walls parallel to abutment, provide actual slope H:V.
- For walls normal to abutment, provide actual slope H:V.

- Use 4'-6" minimum setback which is based on the use of 12" inside diameter pipe pile spacers. See EPG 751.24.2.1 for drainage guidance.
- 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.

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- When rock is anticipated within 5 feet below the MSE wall, embed pipe pile spacers at least 24" into rock and bear pile on the rock.

- For bridge lengths less than or equal to 300 feet, add "(See Special Provisions)"
- For bridge lengths greater than 200 feet, add pile diameter.

- For walls parallel to abutment, provide actual slope H:V.
- For walls normal to abutment, provide actual slope H:V.

- Use 4'-6" minimum setback which is based on the use of 12" inside diameter pipe pile spacers. See EPG 751.24.2.1 for drainage guidance.
- 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.

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- For bridge lengths less than or equal to 300 feet, add "(See Special Provisions)"
- For bridge lengths greater than 200 feet, add pile diameter.

- For walls parallel to abutment, provide actual slope H:V.
- For walls normal to abutment, provide actual slope H:V.