Standard Drawing Guidelines (do not show on plans):
- Routes 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. 9111.
- For Type C & Type D gutter information, see Missouri Standard Plans No. 259-25.
- See EPG 781-24.2.4 for drainage guidelines.

1. Minimum pipe diameter shall be 6".

2. Minimum reinforcement length shall be based on the following values in accordance with EPG 781-24.2.1.
   - Maximum (0.8H, 8 ft, or FIGR) for a sloping backfill,
   - Maximum (0.7H, 8 ft, or FIGR, seismic loading requirement),
   - Maximum (0.7H, 8 ft, or FIGR, non-seismic design).

3. Minimum pipe diameter shall be 6".

4. Use for all large block MSE walls.

5. Minimum reinforcement length shall be greater than or equal to the length required for a single feature wall for the corresponding wall class.

6. Where:
   - $H$ = Height of the wall as measured from the top of the abutment to the top of the wall
   - $F$ = Foundation Investigation Geotechnical Report
   - $S$ = Substructure Division
   - $D$ = Drainage System (3)
   - $B$ = Base/Seepage

Detailed Description:

LARGE BLOCK WALL SHOWING FILTER CLOTH

- Slope Excavation Line
- Finished Ground Line
- Slope Top of Coping
- Front Face
- Geotextile Material
- Reinforced Coping

<table>
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<tr>
<th>Design Section</th>
<th>Measured Width</th>
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<td>Sec 720 and Sec 1013</td>
<td>12&quot;</td>
<td>Aluminized soil reinforcement</td>
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</table>

**Material Properties Used in Design**

- Geotextile Material: Minimum 18" wide Geotextile strips shall be centered at vertical and horizontal joints of panel. Geotextile material shall be adhered to back of the wall by manufacturer. The dowels shall be field trimmed to clear the capstone and provide values used in the design computations.

**Drainage System**

- Drainage shall be designed to carry all excess drainage from the wall and provide values used in the design computations.

**Notes:**

- For Type A and Type B, use select granular backfill.
- For Type C & Type D, use select granular backfill or better aggregate material.
- For active force computations, the slope excavation line shall be cut to the horizontal.

**Structural Systems**

- Contractor shall modify the drain details as shown if it will be used for active force computations.
- Excavation/fill line and the horizontal is less than 90°, the wedge area backfill shall be used for active force computations.