

**From:** [Debra M. Butchart](#)  
**To:** [BR](#)  
**Subject:** Bridge Advertisement (DSI 24-029) MSE Wall Acute Angles & Staged Construction  
**Date:** Tuesday, September 24, 2024 10:21:04 AM  
**Attachments:** [image001.png](#)

The EPG has been updated as described below (Standard Specifications will be updated for the ~~April~~ **January** 2025 Letting):

**Implementation Statement:** Effective immediately for design process not started.

*(The Implementation Statement is a recommendation by the Development Section. The SPM is responsible for the level of implementation for any particular job.)*

Revision Date	Items Revised	Description of Change
<a href="#">Sep. 2024</a>	EPG: <a href="#">751.24.2.1</a> <a href="#">751.1.2.11</a> , <a href="#">751.50</a>	EPG 751.1.2.11 updated to clarify staged bridge construction. <ul style="list-style-type: none"> <li>For staged bridge construction with MSE walls at the abutments, the interior angle between MSE walls and temporary MSE walls should be greater than 70°. However, if unavoidable, then interior angle shall be absolute minimum 65°. Temporary MSE wall option for staged bridge construction shall not be used when bridge skew is greater than 25°.</li> <li>All vertical objects shall have at least 4'-6" clear space between back of the wall <b>system</b> facing and object for select granular backfill compaction and soil reinforcement skew limit requirements. For piles, see pipe pile spacers guidance.</li> </ul> <p>EPG 751.24.2.1 and Sec 720 updated to clarify minimum backfill cover requirements for drainpipe under the leveling pad. When lateral drainpipes must be installed underneath the concrete leveling pad then backfill cover between top of drainpipe and bottom of leveling pad shall be equal to greater of 15 inches or 1.5 times diameter of drainpipe.</p> <p><i>Note: EPG revisions have been made, but Sec 720 will not be updated until the <del>April</del> <b>January</b> 2025 release. See below for screenshot of pending spec update.</i></p>
	Bridge Standard Drawings: NA	
	MicroStation Cells: NA	
	Std. Specifications: <a href="#">720.4.3</a>	
	Standard Plans: NA	
	Bridge Special Provisions: NA	

Follow links above for more information, or to view more details about this (or any) revision, use the [Revision Index Database](#), located under Completed Revisions on Development's Sharepoint

page.

Instructions:

Under Tables (left-hand side) double-click on RevisionRecords.

Click on the link under the Effective Date to access documentation for the completed revision.

**720.4.3 Drainage Requirements.** A drainage system shall be provided at the base of the wall system near the facing elements and at the interface of the select granular backfill for structural systems and the retained backfill. The drainage system shall consist of a perforated pipe wrapped in a Class 2 geotextile to prevent clogging of the perforations. The pipe shall be placed in such a manner that water drains freely from the pipe. When the wall length is such that the slope of the pipe becomes excessive in the engineer's judgment, lateral drain pipes shall be installed underneath the concrete leveling pad and bBackfill cover between top of drain pipe and bottom of leveling pad shall be equal to greater of 15 inches or 1.5 times diameter of drain pipe.

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