

Structures Design Bulletin 21-01 / Roadway Design Bulletin 21-01
Plan Requirements for MSE Walls
Comments from Industry Review

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Comment: Should something be said about addressing backfill. That is where most of the disagreements have been.

Response: Addressing backfill requirements is beyond the scope of this bulletin. MSE wall backfill requirements are not addressed in the FDM.

Action: No change needed.

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Requirement #1: Third paragraph of FDM 262.2: "generic details for attaching the permanent facing (second phase) to the primary reinforcement in the contract set".

Comment: This would depend on wall manufacturer. Wouldn't it be better to have this looked in shop drawing review? The assumption with any engineering detail in plans is that there was an engineering analysis performed, will this be responsibility of EOR? Will SHE be adjusted as such?

Response: Addressing these details only in Shop Drawing Review is no longer an option. Some acceptable details have been provided to the designers on a couple projects. Those details are currently available from this office when needed. Including them in the SDM or Standard Plans will be considered as a long-term solution.

Action: No change needed.

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Requirement #1: Third paragraph of FDM 262.2: "If the proprietary walls are experimental, they are required to have fully detailed design plans in the contract set".

Comment: Glad to see that fully detailed plans are not required for two phased wall systems anymore. Experience has been that Wall Manufacturers are not inclined to submit or do not fully comply with fully detailed plans when requested because there is no guarantee that they will get the work. Even when they do submit fully detailed plans, they are not considered complete.

Similar issues are foreseen when requesting fully detailed plans for experimental walls.

Response: No Response necessary to the first comment. Experimental proprietary walls are by definition, manufacturer specific, therefore, the manufacturer must provide the required sheets for the project to be let.

Action: No change needed.
