Standard Drawing Guidance (do not shown on plans):

Proposed grade & theoretical top of leveling pad elevation shall be shown in constant slope. Slope line shall be adjusted per project. Top of wall or coping elevation & stationing shall be shown in the developed elevation per project. Sample wall shown. Draw actual wall in elevation and plan per project.

- (1) Show the minimum embedment = maximum (2 feet; embedment based on Geotechnical Report and global stability requirements; and FHWA-NHI-10-024, Table 2-2).
- Show theoretical top of leveling pad elevation on the plan based on minimum embedment requirements. Minimum embedment shall be provided in accordance with AASHTO 5.8.1; FHWA-NHI-10-024, Table 2-2, and Geotechnical Report.

General notes shown shall be reviewed/revised per project.

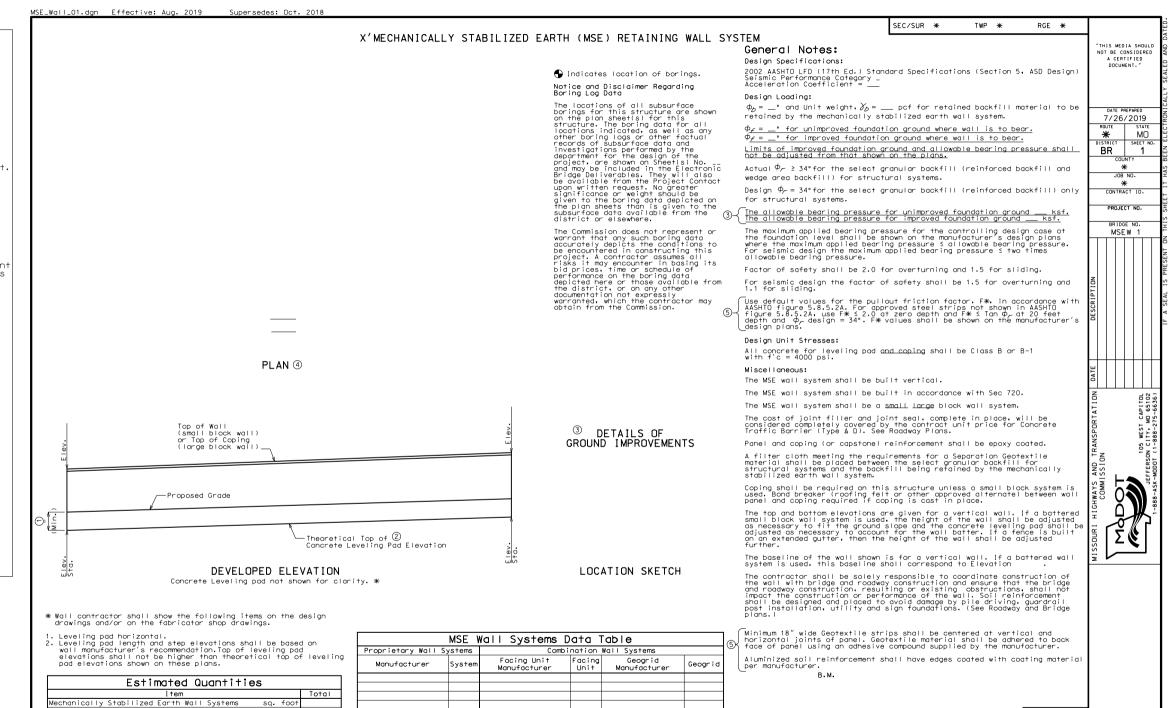
3 The allowable bearing pressure and an angle of internal friction. \$\Phi_r\$, for unimproved and improved ground where wall is to bear as determined by the Geotechnical Section and reported on the Foundation Investigation Geotechnical Report (FIGR) shall be shown on the plans. Show areas and locations of ground improvement along the wall where required, for example, using stationing or using changes in wall height. Provide cross-section of ground improvement based on FIGR. Provide any other geotechnical requirements in FIGR on plans.

Add note EPG 751.50 J1.25, when limits of improved foundation ground is required by Geotechnical Section.

- 4 Show all boring locations on Plan.
- ⑤ Use for all large block MSE walls.
- (a) NOTE TO ROADWAY AND BRIDGE DESIGNERS: Excavation classes, quantities and pay items are the responsibility of District Design Division for including on the roadway 2B quantity sheets which is noted on the MSEW plans and required in accordance with Sec 720. All other quantities are the responsibility of the division responsible for the MSE wall plans.
- (a) NOTE TO ROADWAY AND BRIDGE DESIGNERS: If rock is not known to exist from a geotechnical report or study, place the following note on the plans.

"If rock is encountered in the proposed reinforced backfill area or wedge area of the MSE wall before or during excavation, the contractor shall immediately cease excavating and notify the engineer."

Otherwise, if rock is known to exist and it is to be excavated, then do not place above note on plans and determine the excavation class and estimate a rock quantity. For all Bridge Division MSE walls, Bridge Division and District Design Division shall coordinate in estimating excavation quantities when rock is known to exist from the geotechnical report and if rock is to be used as part of the wall backfill or excavated for MSE wall construction.



MSE Wall Systems Data Table is to be completed by MoDOT construction personnel to record the manufacturer of the proprietary wall system or the manufacturers of the combination wall system that was used for constructing the MSE wall.

Sheet No. 1 of

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

STD.

STD.

STD.

STD.

RETAINING WALL ALONG *

ROLLTE * FROM * TO *

* STATION *

ABOUT * MILES * OF *