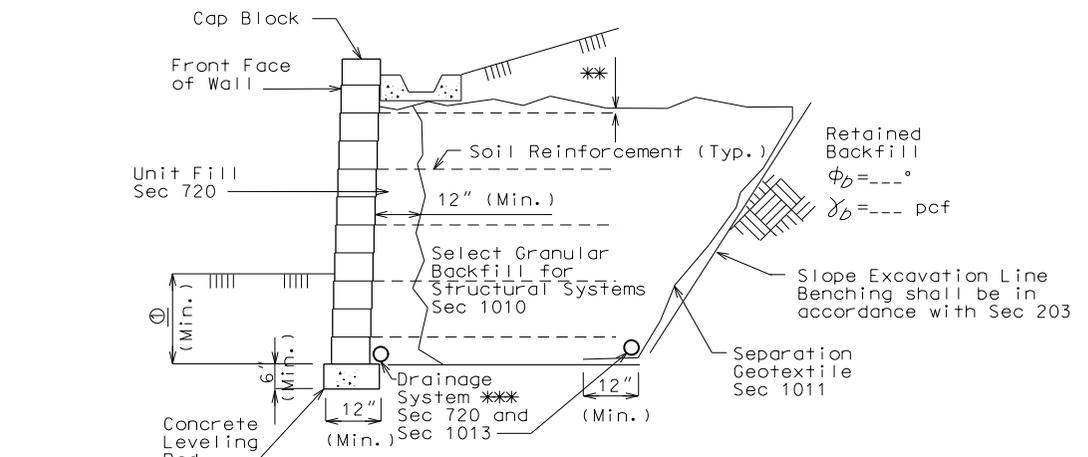


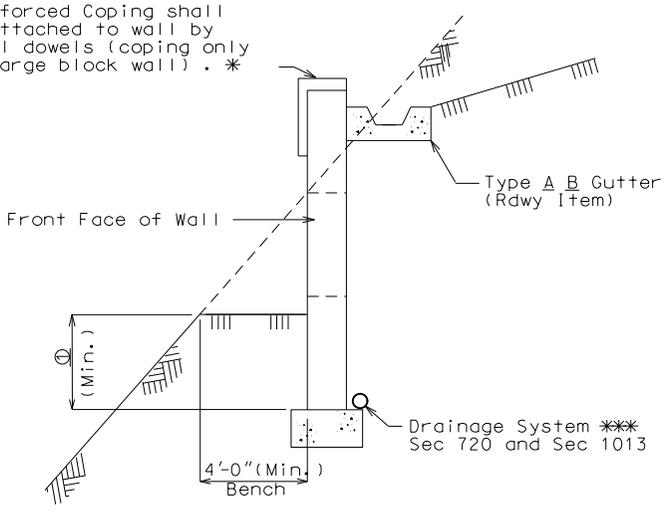
TYPICAL SECTION THRU LARGE BLOCK WALL

Note: For additional information, see "TYPICAL SECTION THRU LARGE BLOCK WALL SHOWING FILTER CLOTH".



TYPICAL SECTION THRU SMALL BLOCK WALL

Reinforced Coping shall be attached to wall by panel dowels (coping only at large block wall). \*



TYPICAL SECTION THRU MSE WALL FOUNDED ON SLOPE

Note: A minimum horizontal bench 4'-0" wide shall be provided in front of the wall

Note:

Holes shall be 5/8" round and extended 4" into the third layer of blocks, recessed 2" deep by 1 1/2" round.

Rods or reinforcing bars shall be secured by an approved resin anchor system in accordance with Sec 1039.

Recess hole shall be backfilled with non-shrink cement grout.

\* Inverted U-shape reinforced capstone may be used in lieu of coping. Panel dowels for capstone shall be required and as provided by manufacturer.

\*\* Topmost layer of reinforcement shall be fully covered with select granular backfill for structural systems, as approved by the wall manufacturer, before placement of the Separation Geotextile.

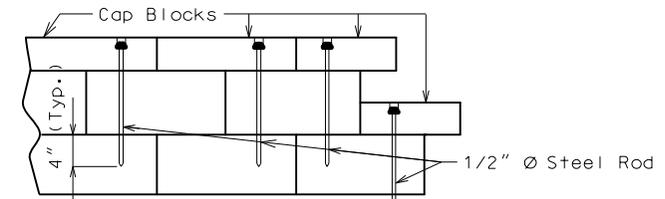
\*\*\* Minimum 6" diameter perforated PVC or PE pipe, unless larger size pipes are required by design by wall manufacturer.

Adjustment in the vertical alignment of the drainage pipes from that depicted in the plans may be necessary to ensure positive flow out of the drainage system.

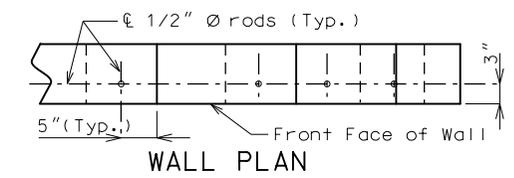
Outlet ends of pipes shall be located to avoid clogging or flow into the drainage system.

Permanent shims for Small block MSE wall:  
Shims will be sparingly allowed to maintain horizontal and vertical control. The preferable shim shall be made of a plastic material that will not rust, stain, rot or leach onto the concrete and has a minimum compressive strength equal to block wall unit. Steel or wood shims will not be allowed. Shims shall not exceed 3/16" in thickness and shall distribute load in order to not induce stress into block wall units. No shim shall be used between the concrete leveling pad and the base course of the block wall.

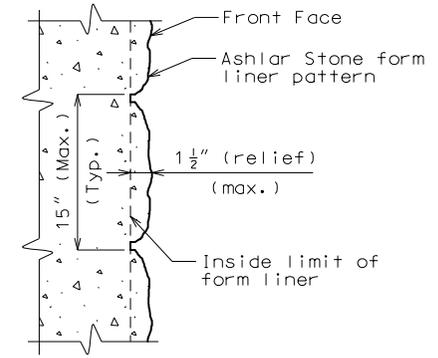
Standard Drawing Guidance (do not show on plans):  
Note \* does not apply to Small Block Walls.  
① Show the minimum embedment = max (2', embedment based on Geotechnical Report and global stability requirements). Minimum embedment shall be provided in accordance with AASHTO 5.8.1 and Geotechnical Report.  
All notes and details shown need to be revised per project.



WALL PROFILE



WALL PLAN



FORM LINER DETAIL (Large Block Wall)

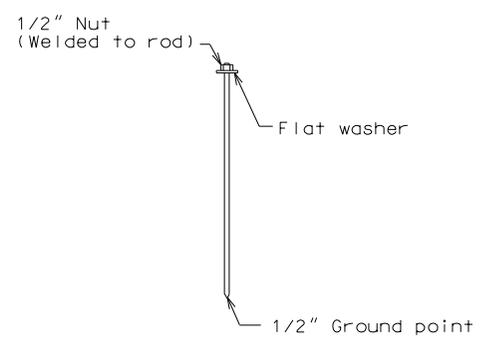
Notes:

The cost of form liners for MSE wall systems, complete in place, will be considered completely covered by the contract unit price for Mechanically Stabilized Earth Wall System.

Form liner shall be constructed in accordance with Special Provisions.

The following is a list of form liner manufacturers and types which may be used. Depth of relief for all form liner patterns shall vary up to 1 1/2". The height of any single 'stone' shall be 15" maximum.

- (1) Scott System, Inc.: Form liner pattern #167 "Ashlar Stone"
- (2) Fitzgerald Formliners: Form liner pattern #16986 "Ashlar Stone"
- (3) Greenstreak: Form liner pattern #330 "Ashlar Stone"
- (4) Spec Formliners: Form liner pattern #1515 "Ashlar Stone"
- (5) An approved equal



DETAILS OF 1/2" THREADED ROD OR REINFORCING ROD

DETAILS FOR GENERIC MSE WALL

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED 12/6/2016

ROUTE STATE MO

DISTRICT SHEET NO. BR \*

COUNTY \*

JOB NO. \*

CONTRACT ID. \*

PROJECT NO. \*

BRIDGE NO. MSEW 4

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

MADOT

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.