MSE Retaining Wall	Begin Station ①	End Station ①	Retaining Soil Friction Angle ②	Foundation Soil Friction Angle ②	Ground Improvement ③	Min Earth Reinforcement Length ④	Min Wall Embedment ⑦	Underdrain Required ⑤	Drawdown Analysis ⑥	Bench Width ⑧

WALL SUMMARY

GENERAL NOTES:

① Indicate limits for which the stated soil design requirements/assumptions are applicable.

② Retained and Foundation friction angle listed should be based on local experience or measured/correlated long term strength values.

③ Indicate if ground improvement is required or not required. If shown as required, refer to MSE Wall specification for additional information.

④ Indicate on table minimum length and length ratio required. The minimum default length of earth reinforcements shall be either 8'-0 or 70% of the wall height, whichever is greater. Wall height and design wall height may differ depending on project geometry and loading conditions.

Note: Wall height at bridge abutments is equal to the distance between the top of leveling pad and finished grade at the bridge abutment backwall.

⑤ Indicate if underdrain is required or not required.

⑥ Indicate if rapid drawdown is required or not required.

⑦ Guidance to wall designer for determination of minimum wall embedment: Unless noted elsewhere in the plans, the minimum embedment provided from the top of leveling to finish grade shall be 1'-0 for level ground where there is no potential for erosion of future excavations or 2'-0 for sloping ground (4.0 H: 1.0 V or steeper) or where there is potential for removal of soil in front of wall.

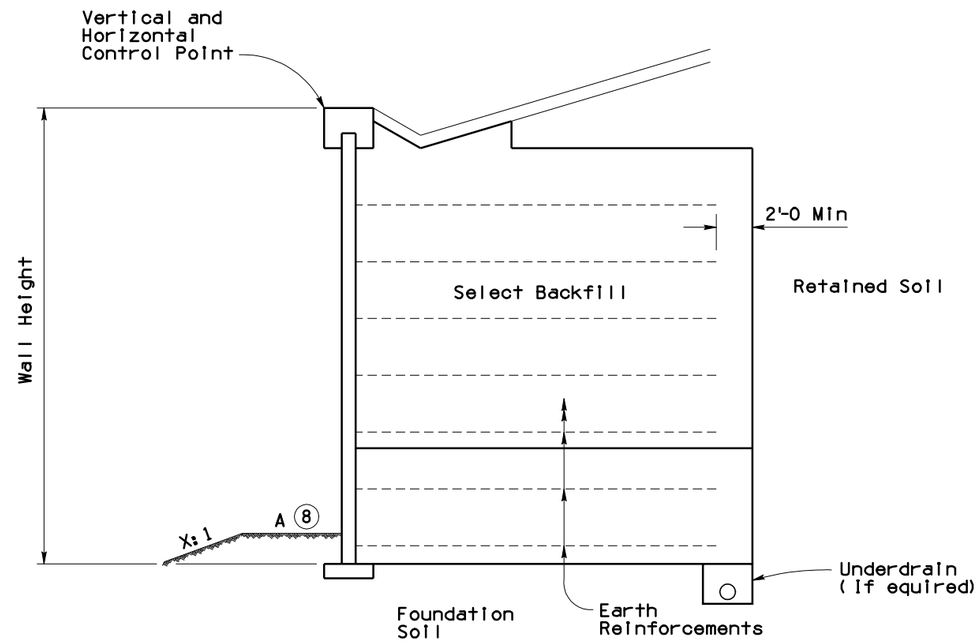
⑧ Horizontal bench width at base of wall varies. Use the following criteria to establish base width:

A = 2'-0 Min for X 4 or
A = 4'-0 Min for X 4

Applicable to both drawdown and dry condition.

WALL DESIGN NOTES:

This sheet shall be filled by the Geotechnical Engineer with some information provided by the Wall Designer.
The Geotechnical Engineer is responsible for preparing all the information in this table, also for settlement analysis and global stability.
The Geotechnical Engineer shall estimate foundation cohesion and retained backfill cohesion in addition to friction angles.



TYPICAL SECTION