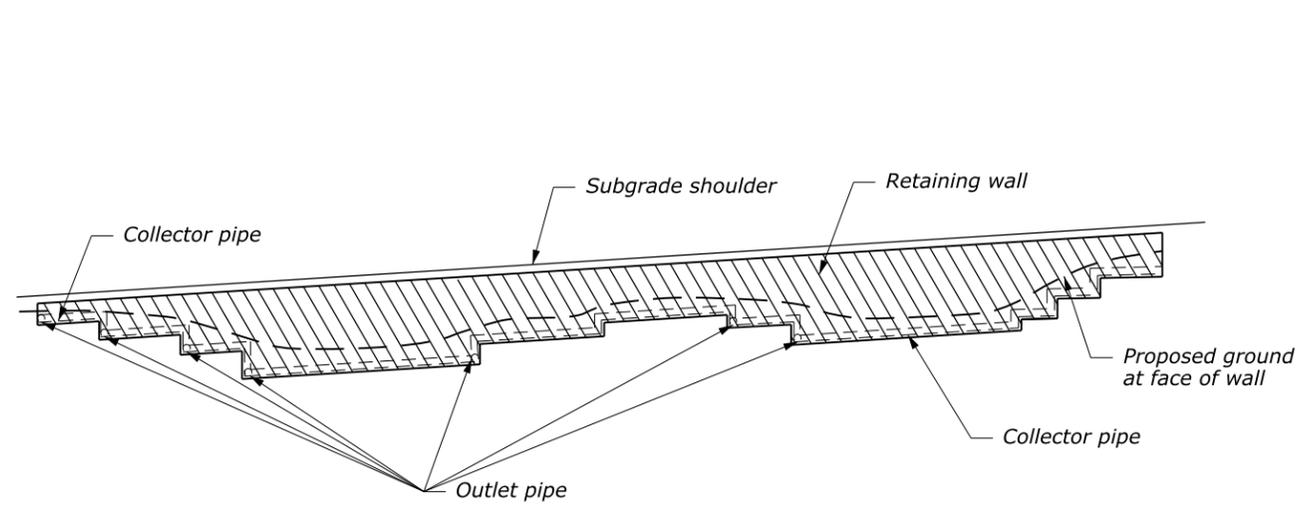
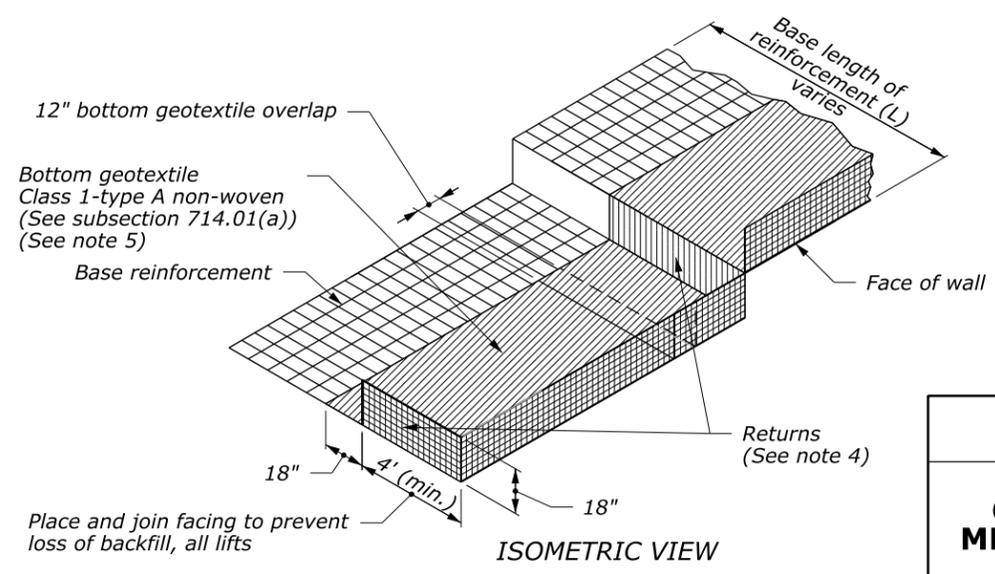


- NOTE:**
- Design welded wire face MSE walls according to Section 257 and AASHTO LRFD Bridge Design Specifications.
 - Top of wall will be as shown on wall layout drawings. No steps will be allowed.
 - Install guardrail posts according to subsection 617.04.
 - Terminate wire-face wall at the beginning and end of each lift with a return of the wall facing material a minimum of 4' into the backfill. Returns will not be measured for payment.
 - Bottom geotextile to cover the base reinforcement and extend 18" up the wall face on all walls.
 - Sample and test materials or products according to table 255-2.
 - Slope or shore excavation according to Section 208.

TYPICAL SECTION



TYPICAL ELEVATION



MSE WELDED WIRE FACED RETURN MAT

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL
**CONTRACTOR DESIGNED
MECHANICALLY STABILIZED
EARTH (MSE) WALL**
Sheet 1 of 2

DETAIL APPROVED FOR USE

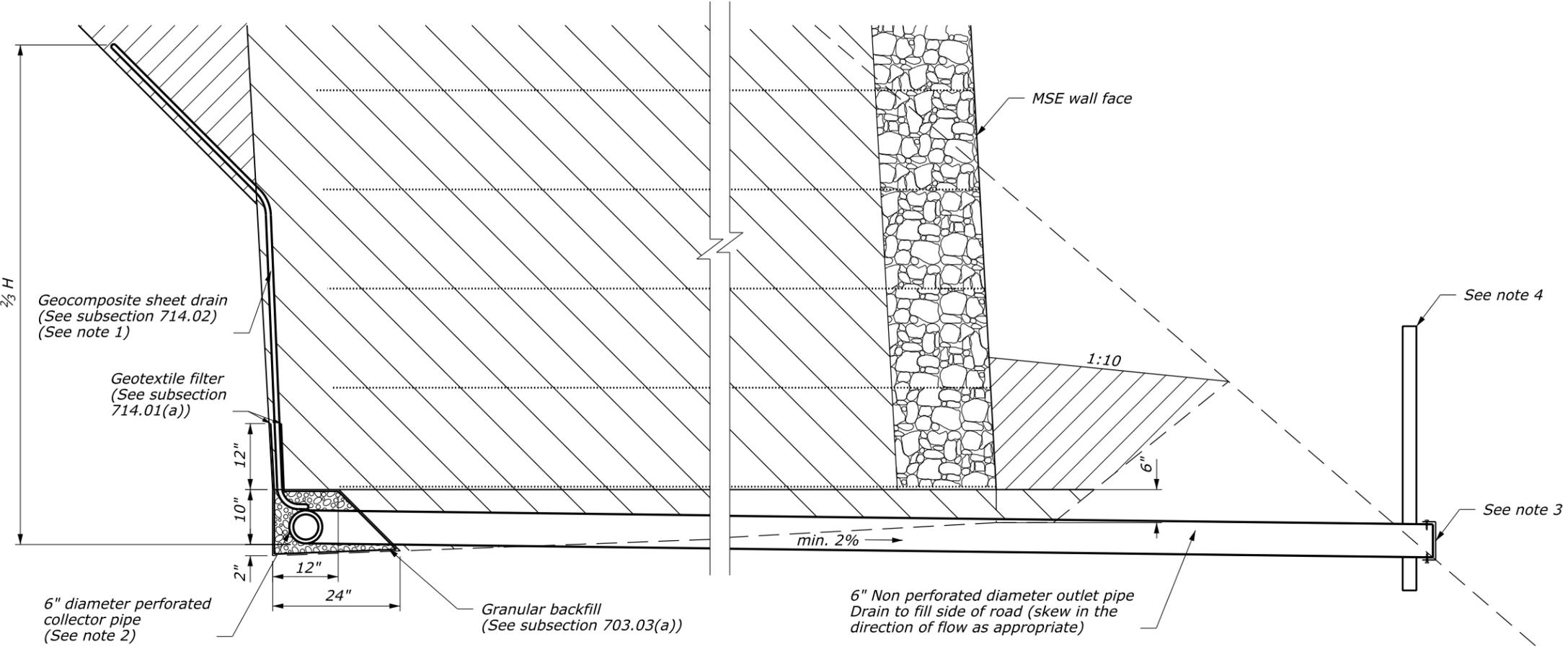
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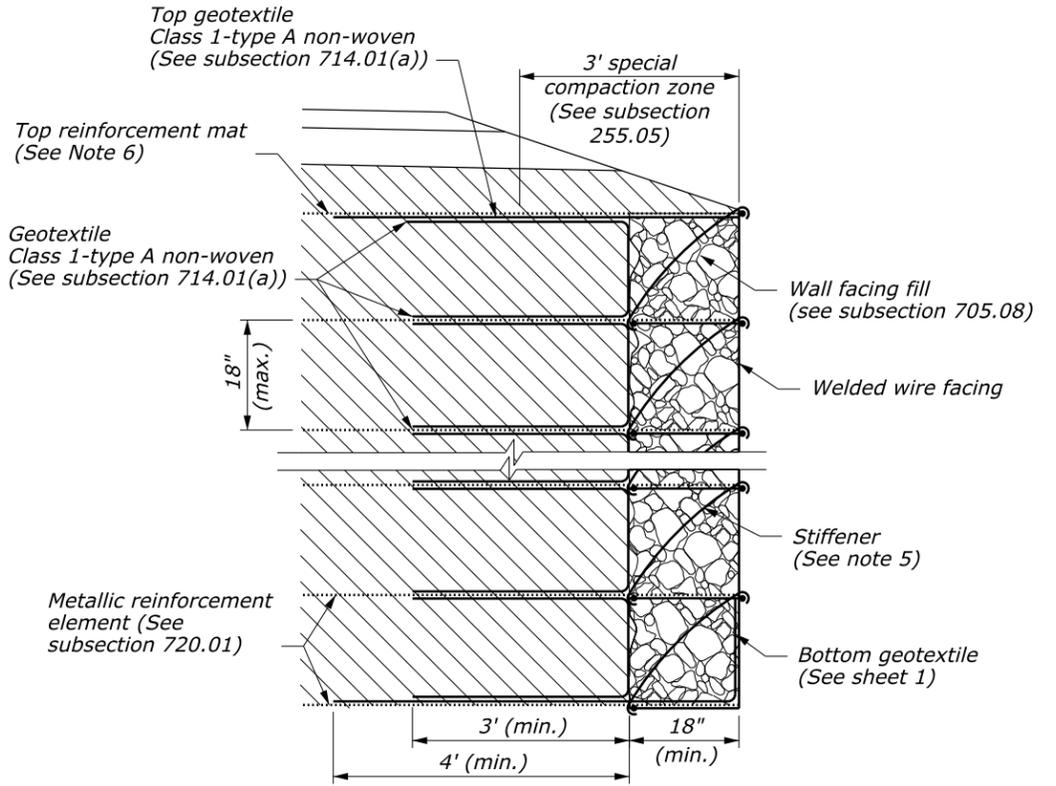
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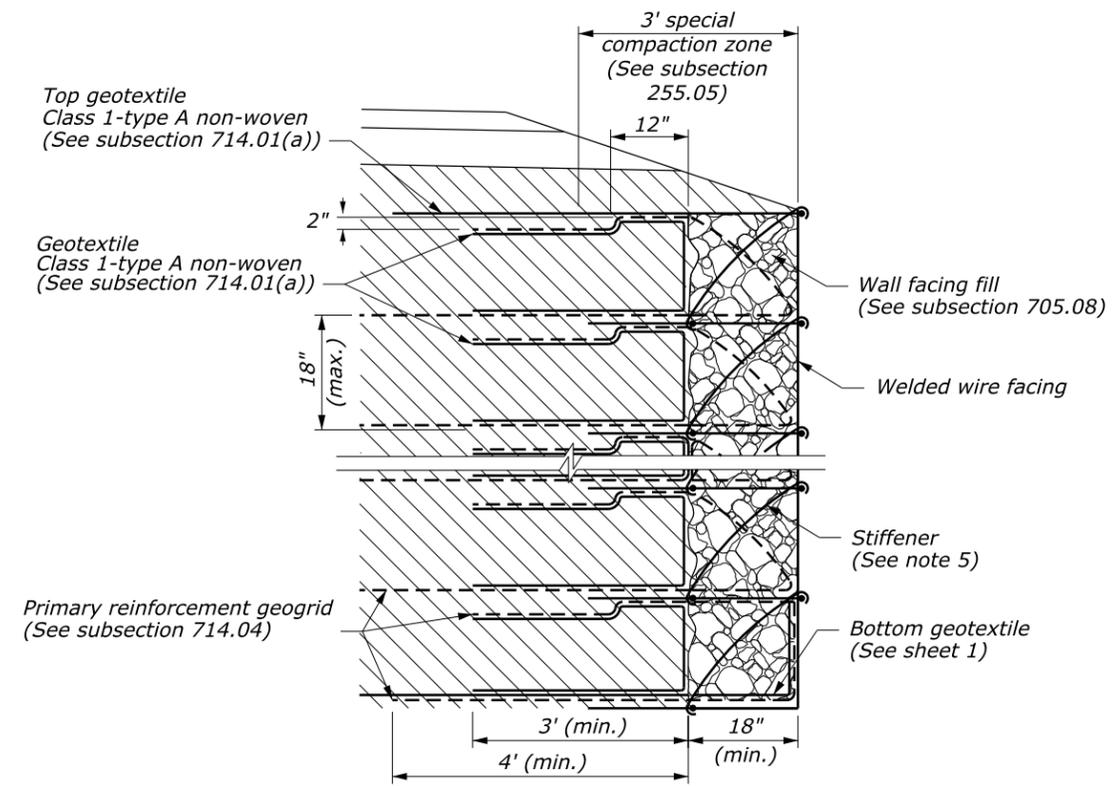


- NOTE:**
- Place geocomposite sheet drains in 3' (min.) wide strips with a spacing to achieve 30% ±5% coverage area on excavation backslope to $\frac{2}{3}H$.
 - Connect collector pipes to outlet pipes using a t-connector and outlet at low points of wall and at 50' (max.) spacing. Furnish collector pipe, outlet pipe, and fittings meeting the requirements of subsection 708.04.
 - Cover the end of the outlet pipe with screen according to subsection 605.03. Hold the screen securely in place with standard coupling bands or by other approved means with securing screws.
 - Mark the outlet of the outlet pipe with a 4' long post or other suitable marker. Place post within 12" of the end of the pipe.
 - Spacing and use of stiffener to be determined by the manufacturer.
 - Welded wire reinforcement systems require a top reinforcement mat unless the wall facing uses stiffeners to adequately reinforce the wall face.

MSE WALL DRAINAGE DETAIL



METALLIC REINFORCED MSE WALL DETAIL



GEOGRID REINFORCED MSE WALL DETAIL

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL
**CONTRACTOR DESIGNED
MECHANICALLY STABILIZED
EARTH (MSE) WALL**
Sheet 2 of 2

DETAIL APPROVED FOR USE _ _ _

REVISOR: _____
DRAFT: 04/2015

DETAIL
C257-50