

3D perspective diagram of a retaining wall reinforcement system. The diagram shows a grid of welded wire reinforcement (W4 x W4 min) with vertical struts (W4 min) spaced at 24 inches maximum. The wall face is 18 inches maximum high and 18 inches minimum wide. The reinforcement extends 10 feet maximum from the wall face. A detail view shows a 12-inch minimum cut in the geotextile for a strut.

Labels and dimensions:

- 24" MAX (TYP) - Strut spacing
- STRUT (TYP) W4 MIN
- USE A STRUT AT EACH END OF FACING REGARDLESS OF LENGTH
- CUT SLITS IN GEOTEXTILES PERPENDICULAR TO WALL FACE FOR STRUTS
- WELDED WIRE REINFORCEMENT 4" X 4" MIN W4 X W4 MIN
- 18" MAX - Wall height
- 18" MIN - Wall width
- CUT AS REQUIRED 10' MAX - Reinforcement length
- 12" MIN - Geotextile cut detail

Diagram illustrating a 2:1 (H:V) or flatter slope. A horizontal dimension line indicates a minimum of 12" (12 inch) flatter. The slope is labeled 2:1 (H:V) OR FLATTER.

SEE SLOPE AND SURCHARGE CASES

TOP OF WALL

6" - 12" FOR TOP (FIRST) REINFORCEMENT LAYER

3' MIN

6" - 18" FOR SECOND REINFORCEMENT LAYER

18" (TYP) FOR REMAINING REINFORCEMENT LAYERS

VERTICAL REINF SPACING

6" (TYP)

3' MIN (TYP)

WELDED WIRE FACING (TYP)
SEE FACING DETAIL

LIMITS OF REINFORCED ZONE

SEPARATION GEOTEXTILE* FOR CLASS V OR VI SELECT MATERIAL IN THE REINFORCED ZONE

H - WALL HEIGHT
VARIES - 28' MAX

WALL FACE

SHORING BACKFILL
(SEE NOTE 7 ON SHEET 2)

6" MIN (TYP)

BOTTOM OF WALL

GEOTEXTILE OR APPROVED GEOGRID REINFORCEMENT* (TYP)

EXISTING OR FINISHED GRADE
6:1 (H:V) OR FLATTER

RETENTION GEOTEXTILE* (TYP)
(OMIT FOR GEOTEXTILE REINFORCEMENT)

BOTTOM OF REINFORCED ZONE

WALL EMBEDMENT
(SEE NOTE 8 ON SHEET 2)

18" MIN

L - MINIMUM REQUIRED REINFORCEMENT LENGTH** (TYP)

> 6' MIN

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