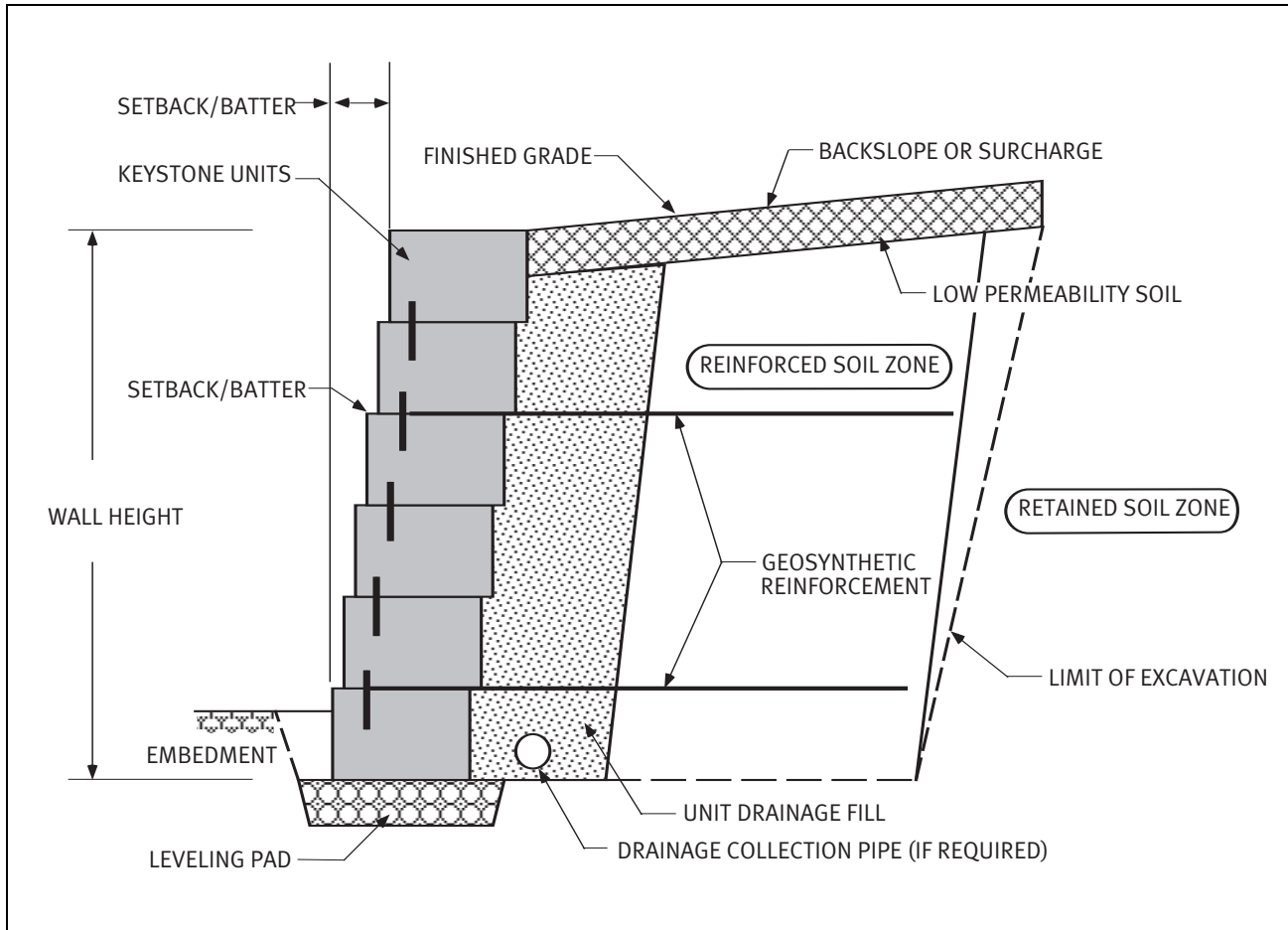


DESIGN CHARTS

► REINFORCED WALL SCHEMATIC



NOTES:

- ▶ Wall Height (H) is the total height from top to bottom.
- ▶ Minimum wall embedment is 6" (150mm) or Height/20, whichever is greater for level toe.
- ▶ Subsurface soils must be capable of supporting wall system.
- ▶ Unit drainage fill is 3/4" (20mm) clean crushed stone.
- ▶ Leveling pad is crushed stone base material.
- ▶ All backfill materials are compacted to 95% max. density.
- ▶ Geogrids must be of appropriate type and length per the design.
- ▶ Finished grade must provide positive drainage.
- ▶ The symbol — (5.0') — indicates location and length of geogrid as measured from the connection pins to the end of the geogrid.

D E S I G N C H A R T S**GEOGRID CHART NOTES** ◀

The KEYSTONE geogrid charts are graphically presented to show the proper orientation and lengths of geogrids used with Standard and Compac Units at the near vertical and 1" (25mm) setback batter.

Heights were set in two block increments beginning at 4.3' (1.3m) and ending 11' (3.4m). Engineering judgement should be used when interpolating between heights. Heights under the 4.3' (1.3m) height shown may require geogrid reinforcement depending upon the units used, soil types, and surcharge loadings.

Soil ranges were selected to approximate good, medium and poor soil conditions to concisely cover the typical design range. Wall height is the total height of the wall from leveling pad to top of wall.

The charts assume the use of a lower strength geogrid and can be used safely with the following materials:

Miragrid 3XT by TC Mirafi
Stratagrid 200 by Strata Systems
UX1400 SB or UXK1100 by Tensar Corporation
55/30-20 by Huesker Inc.

All geogrid lengths shown are the actual lengths of geogrid required as measured from the connection pins to the end of the geogrid.

The Design Charts assume that the walls are constructed in accordance with KEYSTONE specifications and good construction practice. All soils must be compacted in 8 inch (200mm) lifts to 95% Standard Proctor density as determined by laboratory testing.

The information contained in the Design Charts is for preliminary design use only. A qualified professional should be consulted for final design assistance. KEYSTONE accepts no liability for the improper use of these charts.