

PRESTO



GEOWEB® VEGETATED EARTH RETENTION SYSTEM LEGACY VILLAGE



PROJECT LOCATION: Lyndhurst, Ohio

PROJECT SCOPE

The Presto Geoweb® vegetated earth retention system, constructed on the back side of an upscale shopping center parking lot, provided a stable retaining wall that blends naturally with the wooded environment. The 400-ft. long x 25 ft. high (max. height) retention structure was required to accommodate the change-in-grade, stabilize the embankment and support the surcharge loads imposed by parking lot traffic.

DESIGN CONSIDERATIONS

- Provide long-term protection from the effects of surface runoff and erosion.
- Create a natural solution with minimal environmental impact.

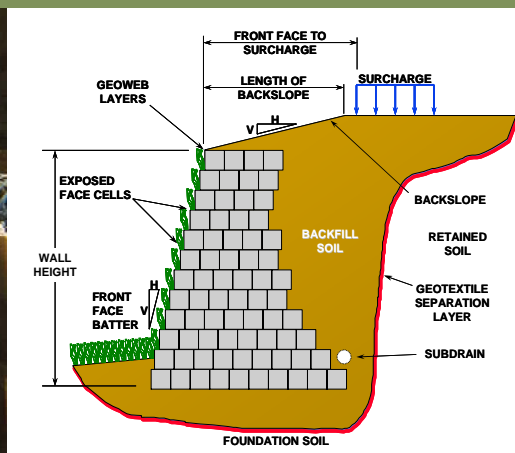


GEOWEB® SYSTEM ENVIRONMENTAL BENEFITS

- Allows reclamation of land areas with less-than-desirable soil properties.
- Topsoil in the outer facia provides a natural environment for vegetation.
- Horizontal terraces maximize rainwater collection, minimizing storm water runoff and erosion.
- The impervious cell face eliminates evaporation of soil moisture through the vertical profile of the wall.
- Qualify for LEED™ green building credits for reducing site disturbance and development footprint.

GEOSYNTHETIC DETAILS

- Geoweb GW30V 6-inch, tan facia
- Geogrid earth reinforcement layers



FOR MORE INFORMATION: Presto Geosystems Ph: 800-548-3424; 920-738-1707 www.prestogeo.com
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