

# Recreation Areas

*VERSA-LOK segmental retaining walls have been chosen for countless recreational facility projects because of their design flexibility, beauty, and durability.*

VERSA-LOK® segmental retaining walls are a popular choice among architects, landscape architects, and engineers for use in recreational environments including playgrounds, parks, pools, golf courses, and athletic fields. VERSA-LOK brings a combination of design flexibility, economy, durability, and beauty to every project.

## **Ultimate design flexibility.**

The VERSA-LOK standard unit can be used to create many wall design elements. Beyond simple straight and curved walls, the VERSA-LOK system offers easy construction of an unlimited variety of inside corners, outside corners, and steps. No special units need to be ordered or estimated. In addition, the VERSA-LOK system's unique pinning technology provides the capability to incorporate interesting wall patterns that complement existing architectural features.

## **Environmentally safe.**

VERSA-LOK concrete retaining wall units fit perfectly into natural environments. Made of non-toxic materials, they won't threaten surroundings like some chemically treated products.

## **Solid, durable concrete units.**

Solid units offer unsurpassed durability before, during, and after construction. VERSA-LOK units use high-strength, low-absorption concrete to meet and exceed industry standards. In shoreline applications, solid characteristics make the VERSA-LOK system highly resistant to damage from rapid water flow, spalling, freeze/thaw cycles, and impact from floating debris.

## **Attractive appearance.**

The straight, split-face texture of VERSA-LOK walls creates a clean, classic look that complements any natural or architectural environment without dominating the landscape. Integrally colored units offer unlimited design options.

## **Fast, economical installation.**

Mortarless VERSA-LOK units utilize a unique interlocking mechanism to provide uniform alignment and quick installation. Solid units don't require core filling, which further speeds installation and reduces material needs. Footings below frost are not required—often eliminating deep excavations and use of heavy construction equipment. Without large equipment, VERSA-LOK walls can be installed on sites with difficult access and they minimize disturbance to project areas.



*St. Paul, Minnesota*



*Noblesville, Indiana*



*Charlotte, North Carolina*



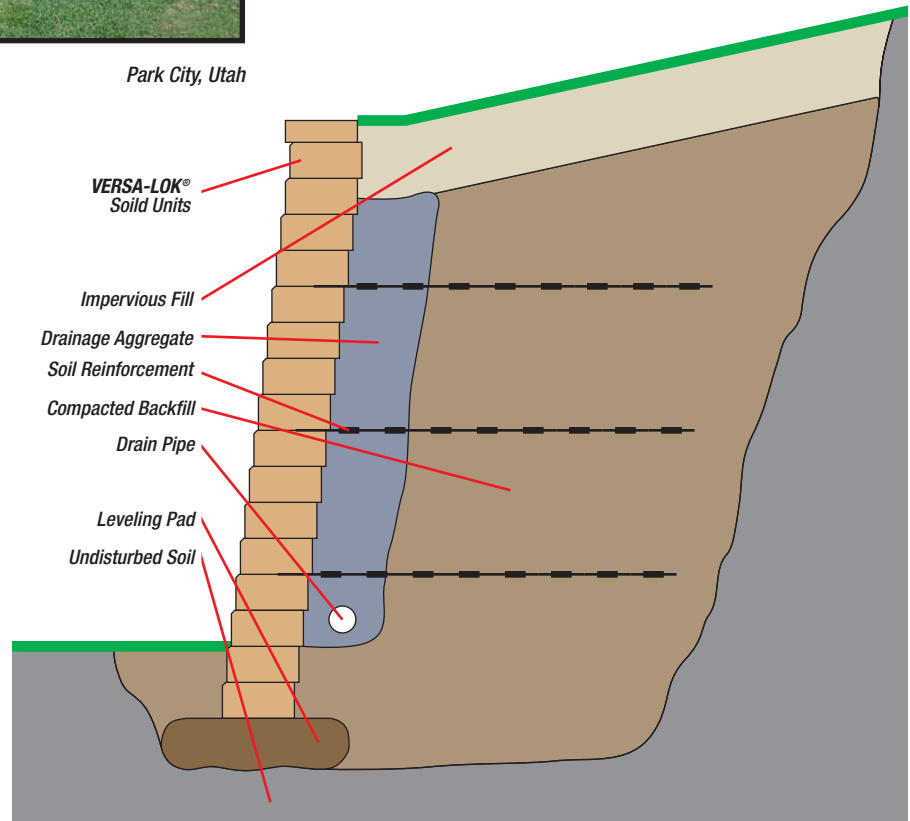
*Annville, Pennsylvania*



On many projects, VERSA-LOK® retaining walls work purely as gravity systems—where unit weight alone provides resistance to earth pressures. Maximum allowable wall height for gravity walls varies with soil and loading conditions. Generally, with level backfill and no excessive loading, VERSA-LOK gravity walls may be built to heights of four feet. When weight of units alone is not enough to resist soil loads, horizontal layers of geosynthetics are used to reinforce soil behind walls. With proper soil reinforcement and design, VERSA-LOK walls can be constructed to heights in excess of 40 feet.

Park City, Utah

VERSA-LOK walls are placed on non-rigid, granular leveling pads. As flexible systems, VERSA-LOK segmental walls can tolerate minor earth movement without damage. This feature makes them well suited to all climates—including those that experience freeze/thaw cycles. This illustration highlights typical components of a VERSA-LOK segmental retaining wall. Drainage, soil reinforcement, and foundation requirements vary based on actual site conditions. Final project-specific designs should be prepared by a qualified, licensed professional engineer.



VERSA-LOK offers a variety of technical support including in-house engineering assistance and reference literature. Call (800) 770-4525 with questions regarding applications and proper design for VERSA-LOK segmental retaining walls.

**VERSA-LOK®**  
Retaining Wall Systems  
*Solid Solutions.™*

6348 Hwy. 36, Suite 1  
Oakdale, MN 55128  
(800) 770-4525  
(651) 770-3166  
(651) 770-4089 fax  
[www.versa-lok.com](http://www.versa-lok.com)