

Strata Sleeve-It™ System

Pre-Engineered Fencing Solutions

When Your Wall Needs a Fence

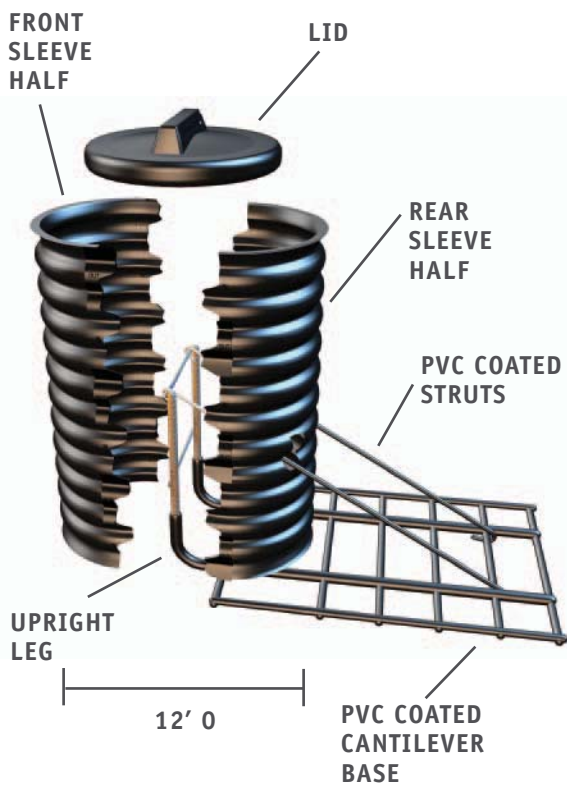




Project DHL Distribution Facility
Allentown, PA

Product Over 350 Sleeve-It 1224R
units used

Savings 10,000 square feet of
real estate



Isometric View of Sleeve-It 1224R System Components

Simple Construction



Step 1

Install the cantilevered Sleeve-It units near the elevation of the top of wall



Step 2

Fill and compact soil up to the top of the sleeve



Step 3

Leave the disposable lid on the sleeve until the fence installer places the fence post in the sleeve and fills with concrete



Step 4

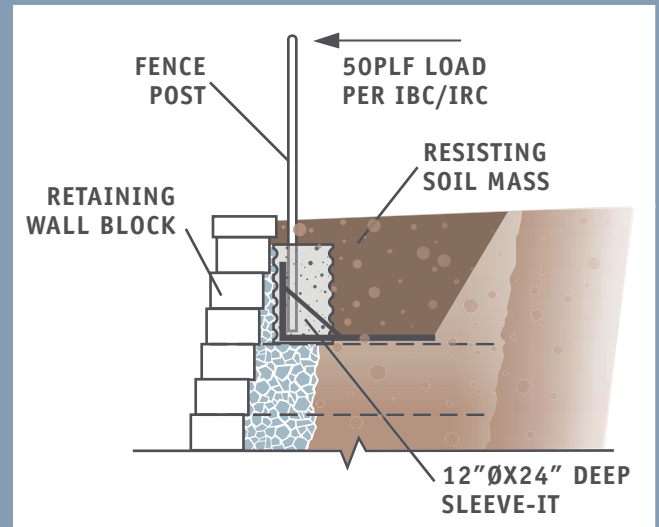
The fencing contractor finishes the fence, supported by the buried Sleeve-It System.

Maximizing Land Use

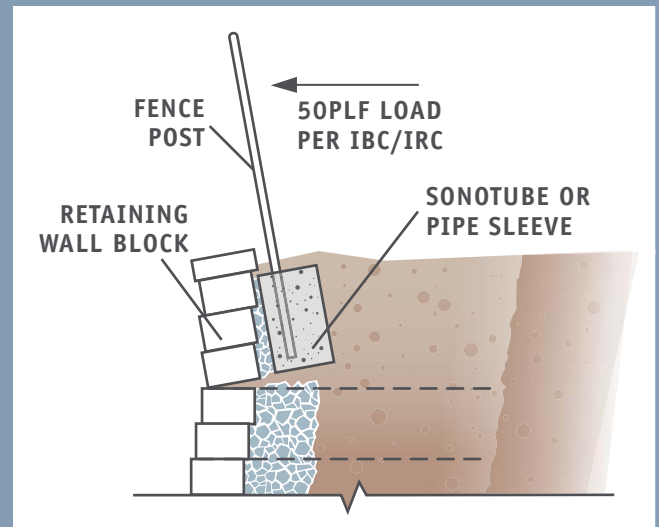
Retaining wall solutions that start with Stratagrid high tenacity geosynthetic reinforcement receive their finishing touches from the Sleeve-It™ System. The patented Sleeve-It System (rail integration device) is a code compliant, fence-post anchoring system that integrates stable fence footings into the support structure of retaining walls, while the retaining wall is being constructed.

Don't wait until the retaining wall is built to consider fence requirements. As a pre-engineered/pre-designed system, Sleeve-It is a proven fence post integration device designed to reduce specifier liability and associated costs with building-code compliance. Using the system as part of the SRW eliminates a 3 foot offset requirement for rails/fences that are added after wall construction. Sleeve-It offers a below grade engineered design that provides superior safety in a cost effective solution.

With Sleeve-it



Without Sleeve-it



Building Codes

Both residential and commercial building codes specifically state safety rails shall be provided when the vertical grade between different surfaces exceed a fixed vertical height. Commercial codes further define minimum load requirements that the guards are to provide.



Building codes generally require guards (protection) atop retaining wall structures and are applicable to fencing and pedestrian rail systems placed atop segmental retaining wall systems.

Residential Codes

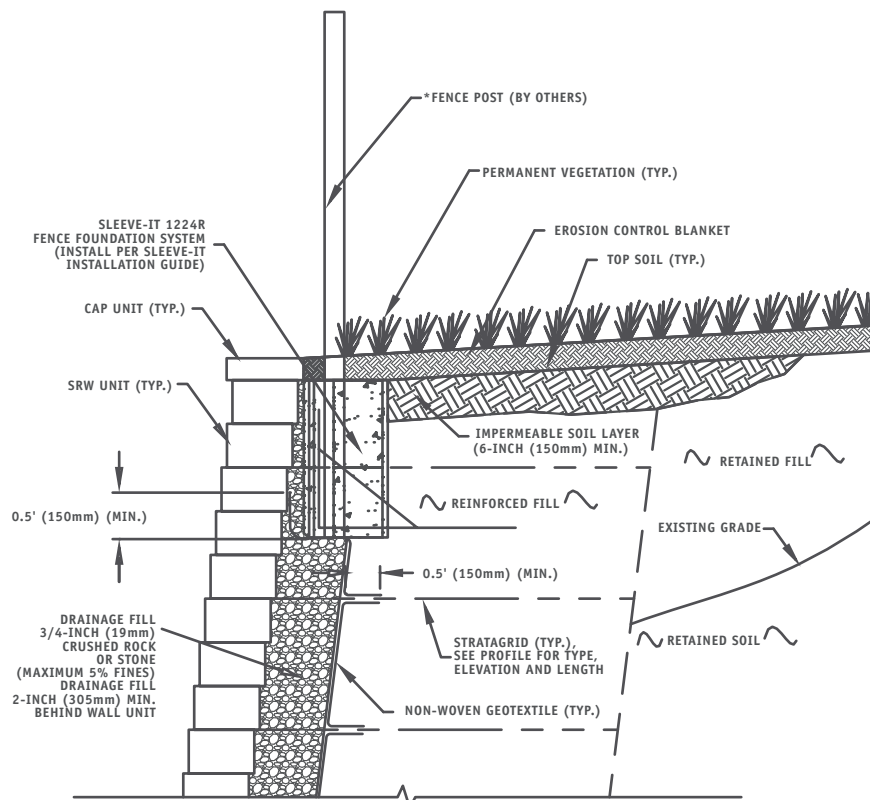
The International Residential Code (IRC) states, Section R312 - Guards, states “guards are required when raised surfaces are located more than 30 inches above the floor or grade below. The guard shall not be less than 36 inches (3 feet) in height. The requirement for guards applies to porches, balconies, decks, ramps and raised surfaces (i.e. retaining walls).”

Commercial Codes

The International Building Code (IBC), Section 1013 – Guards, states “guards shall be located along open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings that are located more than 30 inches above the floor or grade below. The guard shall provide adequate strength to meet the load requirements of Section 1607.7. Section 1607.7.1 requires guards and handrails to resist a load of 50 pounds per linear foot applied along the top, and Section 1607.7.1.1 states the assemblies and guards shall be able to resist a single concentrated load of 200 pounds applied along the top.”

Sleeve-It Testing

- Full-Scale Load Testing Performed
- Testing formulated based on PennDOT, Rutgers University in cooperation of the NJDOT and FHWA



Additional Solutions from Strata

StrataWall and StrataSlope systems provide

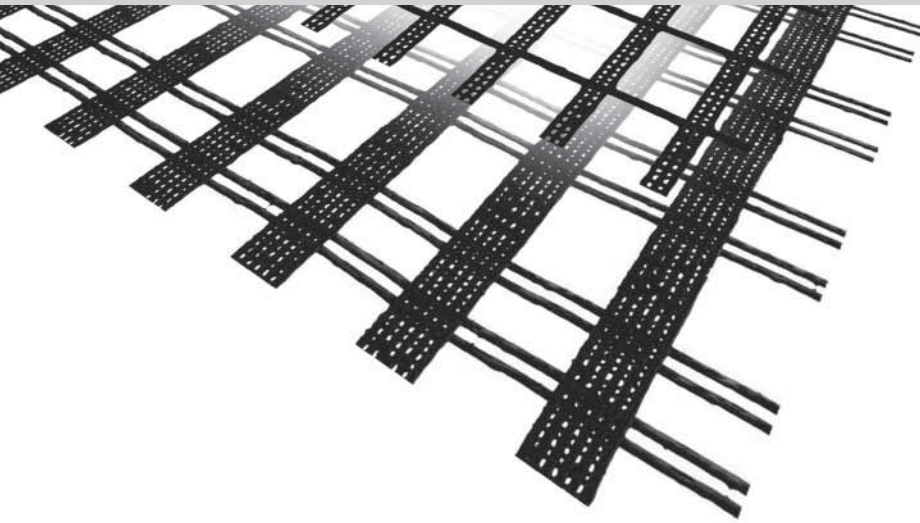
designers and engineers with an array of options for building retaining walls, vegetated steep slopes, temporary walls, and embankments. Not only are Strata products easy to handle and simple to install, they're built to last.

But Strata doesn't just manufacture the industry's highest quality geogrid products. Our dedicated engineering staff adds value to each soil reinforced system with a comprehensive program of world-class technical support. Strata's superior customer service begins with the design and bidding process, continues through ongoing consultations, and extends to expert installation training and other on-site assistance.



Stratagrid

The industry's first geogrid material knitted from high molecular weight and high tenacity polyester yarn. Engineered strength to comply with your geogrid application no matter how big the job.



Microgrid™

A small aperture geosynthetic specially developed for face wrap applications

StrataTex

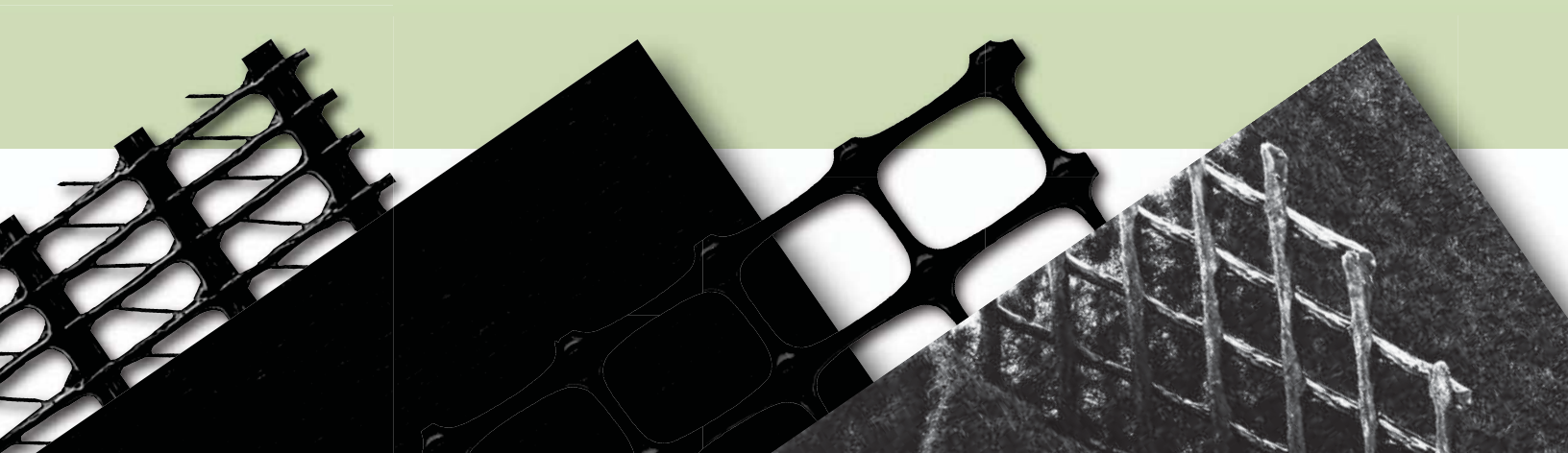
WOVEN and NON-WOVEN Geotextiles for separation and reinforcement

StrataBase

A rigid biaxial geogrid that provides structural reinforcement for paved and unpaved roads

StrataDrain™

High-flow, fusion-bonded, geonet-geotextile composites for improved soil drainage





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Consider Sleeve-It™ Fencing Integration System

The Undeniable Benefits of the Sleeve-It System

- Eliminated Fence Contractor concerns about wall system integrity
- Reduces the Wall Designer's Liability related to fence integration
- Provides the Specifier with a code compliant solution
- Allow the Wall Contractor to maintain peak production
- Ensures the Developer maximum use of valuable real estate

WARRANTIES ON GOODS. Strata Systems represents that all goods manufactured by Strata Systems will be free from defects in material or workmanship for a period of one (1) year from date of shipment. STRATA SYSTEMS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. All projects which incorporate the use of Strata products should be designed by a competent professional engineer.