

RESIDENCE AT HARVARD DRIVE

Year Constructed: 2021-2022

Location: Wisconsin

Project Size: 1,500 units

Project Type: Living Wall

Client: Private

Reinforcement: Geogrid Layering

Vegetation: Sedum Mats, Plant Plugs

Installation: Olson Toon Landscaping, Arbor Earth & Stone

+ Project Snapshot

The blend of nature and man-made materials were incorporated to create a modern, yet tranquil outdoor living space. The Envirolok system was planted with a mix of sedum and native ground covers to create vertical living walls.

Located in the heart of a midcentury residential neighborhood in southcentral Wisconsin, this newly constructed home blends modern design and nature to create a beautifully blended living space. The Envirolok system was incorporated into three separate landscape areas to soften the aesthetic and accommodate the grade changes. To accommodate garage access at street level, the site design needed to incorporate a series of retaining walls along the driveway edge and garage entry. The bottom tiers of the wall were constructed of a cast concrete wall, veneered with Corten steel to complement the house façade. Envirolok was then incorporated as the final grade transition to the neighboring properties above. Due to the challenging access and limited space for construction, Envirolok was the ideal solution for reinforcement of the 6'-8' tall slope. By incorporating a mix of geogrid and earth anchors, excavation and fill material was minimal. As the site transitions to east, grades begin to transition to a neighborhood stormwater feature on the lowest edge of the lot. Envirolok was again incorporated to help fill a 5'-6' grade change between the outdoor living area and an access path to the side entry of the house. The near vertical green wall feature softens the building façade and hardscape with vegetative features.

The third Envirolok structure is a near vertical green retaining wall application that retains soil around a large-scale rainwater cistern. With accessibility and limited space, this wall is nearly vertical and is highly visible from the public street and backyard deck.

