

# Case Study

## Target Store Rochester, MN

The new Target Store building site in Rochester, MN presented a difficult challenge to the architectural firm, Yaggy Colby Associates. They needed to maximize available real estate, pushing the cut wall to the property line. At the same time there was a large fiber optic cable that couldn't be disturbed and limited the amount of excavation that would be needed for a traditional geosynthetic-reinforced segmental retaining wall (SRW) system.

The original solution involved driving H-Pile and veneering the structure with a dry-cast segmental retaining wall unit, a common solution to improving retaining wall aesthetics and reducing back excavation but significantly more expensive than a typical reinforced SRW.

The wall installer, Hardscape Construction, was very familiar with the ability to build taller gravity walls with the ReCon Series 50 retaining wall system and recognized a potential opportunity to save the owner a significant amount of money in the cost of building the wall. Because the end sections of the retaining wall weren't as tall as the the middle section, he thought there might be an opportunity to build a large part of the ends of the wall as gravity walls and eliminate the expense of driving H-Pile in these sections. The retaining wall design engineering firm, Civil Solutions Group was enlisted to redesign the wall using ReCon Series 50 units.

The end result was a design-build solution that provided an aesthetically-pleasing wall and that also saved around \$100,000 compared to the initial proposed design which was itself a savings over a traditional poured-in-place retaining wall.

