

CASE STUDY

Redi-Rock Retaining Walls in New York's Hudson Valley: How Mid-Hudson Concrete Products Worked With Civil Design Professionals to Complete Bronxville DPW

The 4-month install is set improve the DPW work environment, with a beautiful finished product. The upgraded DPW site will improve safety for the DPW workers who often load and fix trucks outside the building.

The Benefits of Redi-Rock Retaining Walls

Safety

Redi-Rock® walls create usable land. Whether you need to protect a shoreline from erosion, create a bigger backyard, or make room for a parking lot - Redi-Rock can help you find a solution to make the most of your space.

Appearance

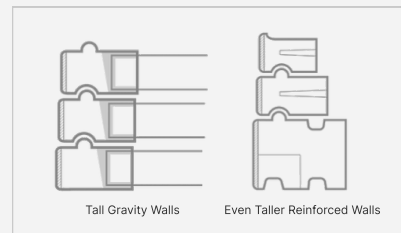
Redi-Rock blocks look good. That's because each block is cast in a mold taken from real natural stone. MHCP will be able to help you choose color options that match your landscape! See examples of LedgeStone, Cobblestone, and Lime Stone below.

Longevity

Redi-Rock blocks are cast using 4,000 PSI (27.6 MPa) concrete. The result is incredibly strong blocks that will stand up to harsh weather, freeze thaw cycles, wave action, and more. You'll find Redi-Rock walls at hospitals, schools, shopping centers, and tons of other locations.

About Redi-Rock Retaining Walls

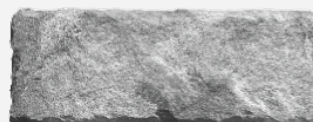
Versatile, Durable & Attractive Tall Gravity Walls Even Taller Reinforced Walls Building a wall used to mean laying stone walls rock by rock, a time and labor-intensive process. Redi-Rock walls allow complex structural walls to be built quickly. The addition of the ledgeStone finish was a game-changer for our businesses because it looks like real stone so it can be used in residential situations as well as commercial and municipal. The time they take to build now is about 1 week compared to 6 months of traditional wall builds. With Redi-Rock, if you can carry the blocks there you can build a wall there.



LedgeStone



Cobblestone



Lime Stone

About Civil Design Professionals

Civil Design Professionals (CDP) has over 25 years' experience in delivering high quality, reliable and cost-effective engineering solutions, specializing in the design of earth retaining structures. Quality, Service, and Integrity are the trademarks of CDP. Client satisfaction and providing the most cost-effective designs are our top priorities.

About MHCP

Mid-Hudson Concrete Products is the premier precast concrete manufacturer of the Hudson Valley and the region's exclusive manufacturer of the Redi-Rock retaining wall system. We provide the highest quality sanitary, drainage, utility, municipal, and customized concrete products to guarantee reliable, long-lasting constructions.

Family-owned and operated since 1980, our customer service is second to none. We believe in providing accessible, transparent service to every one of our clients. Mid-Hudson Concrete Products operates on a 6-day delivery schedule and even on the off-hours, a customer service representative is only a phone call away.

The MHCP Process

- 1 Evaluation
- 2 Proposal
- 3 Order
- 4 Delivery
- 5 Installation



What is Bronxville DPW?

The Bronxville DPW is a department within the Village of Bronxville in Westchester County, New York. The department is responsible for a range of public works and services in the village, including road maintenance, snow removal, refuse and recycling collection, parks and grounds maintenance, and water and sewer infrastructure management. The Bronxville DPW is dedicated to maintaining and improving the quality of life for the village residents by providing efficient and effective public services.

Reason for Choosing the Redi-Rock product?

The product used to construct this project was Redi-Rock units. Redi-Rock is durable, reliable and has a put together finish that makes any build look classic and clean.



Site Challenges

The previous DPW building dates back to 1942 and can't accommodate modern DPW equipment, which has to be left outside in the rain, sleet, and snow. The upgraded DPW site will improve safety for the DPW workers who often load and fix trucks outside the building.

This new 9,500 square foot building will house the Bronxville Department of Public Works vehicles and equipment. It will also include a 1,000 square foot mezzanine with office space, bathroom, locker room, and meeting/break room.



Solution

Site preparation and development activities included demolitions and removal earth excavation, site grading, site utility insulation, asphalt paving and RediRock retaining wall installation.

CDP has extensive experience in the design of the following retaining wall systems: Segmental Retaining Walls (SRW), Prefabricated Modular Block Walls (PMBW), Reinforced Concrete Walls, H-Pile Walls, Sheet Pile Walls, Timber Walls, Natural Stone Walls, and Reinforced Slopes.

The Work in Progress



Email edyta@mllinc.biz to learn more about this contractor.