



CASE STUDY

SPRING 2021

MUSCLE WALL®

Native Sun Construction

Bowman Construction

Manitou Springs, CO



ORGANIZATION

Native Sons Construction Manitou Springs, Colorado

PRODUCT

LOCATION

4-Foot Muscle Wall

QUANTITY

38 WALLS

150 LINEAR FEET OF 24 MIL. LINER

LINER CLIPS

OVERVIEW

The project objective was to create a stream diversion to allow for the replacement of a bridge and abutments. Native Sun and Bowman Construction partnered with Muscle Wall to use the 4 Foot Muscle Wall System to channel the stream for 150 linear feet. Over the next 2-3 months, the walls will work to divert the stream as new Rip Wrap abutments and a bridge are installed.



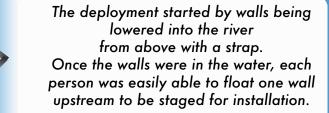
PROCESS

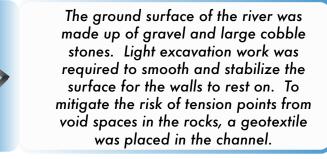












The walls were then placed into the river bank to protect against increased water flow. Once the first walls on each side were placed, they were filled with water to sink them into place.

One by one, each wall was floated into place, connected, and filled.

To deploy the liner, it was first staged over the top of the channel. The liner was then lowered into the channel over the walls, and the liner clips were attached. This step was done entirely by a two-person team.

Once the walls, liner, and clips were all in place, the team secured the liner at the front of the channel. The liner was pushed under the water surface and a few sandbags were added in order to create a seal between the liner and the ground. As soon as the liner was sealed, water began to flow over the liner and down the channel, making the project a complete success.

VISIT MUSCLEWALL.COM FOR MORE INFORMATION.