



TBH & Associates is a full service drilling, shoring, deep foundation and general engineering contractor. Located in the Pacific Northwest, we are available to provide our services throughout the United States.

TBH & Associates recently completed a unique retaining wall project that employs the use of carved shotcrete to achieve a natural looking wall resembling native Oregon basalt.



The project, located at the intersection of Oatfield Road and McNary Road in Gladstone, Oregon, required construction of three separate wall types: Soil nail, soldier pile, and cantilever with conventional footing. Each received the carved shotcrete treatment, providing a consistent, natural appearance.



Although carved shotcrete is common at theme parks and zoos, it is a new approach in providing an architectural treatment for retaining walls in the Pacific Northwest. Aside from providing a stunning appearance, this type of treatment is very cost effective, particularly when compared to constructing a cast in place fascia to cover what is typically an unsightly shotcrete wall. In addition, the duration required to complete the wall is dramatically reduced, as carving is performed concurrently with placement of the shotcrete. In this particular instance, TBH was able to complete the project for the owner, Centex Homes, several weeks ahead of schedule.

Aside from both cost and time savings, the biggest benefit is the ability to customize the look of the wall to match the type of rock found in a particular region. This is accomplished through the use of different carving techniques and stain colors. Although there are certainly many advantages for both the contractor and owner, the traveling public may stand the most to gain from this new technique, as they can enjoy the benefits of retaining walls without having to sacrifice the natural beauty found throughout the Pacific Northwest.



**Call (360) 546-1600 today
and put us to work for you!**

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