



Olmsted Flowline Replacement (2005)

Constructed in Provo Canyon, Utah to facilitate the replacement of a 78-inch pipeline. This construction required the use of soil nail walls with vertical elements to stiffen and support the face during construction. As shown, the vertical elements provided complete support for the face until the final excavation cut was made. Shotcrete was then applied and the wall was completed. These soil nail walls ranged up to twenty-five feet high and support talus slopes extending uphill for several hundred feet at approximately 1.1H:1V.