

Deep Foundations Report | Fall 2020



October - A Month Of Giving

In fact, a forklift load of giving. Magnum staff pulled together all during the month of October to donate their time, canned food and blood. A benefit for our community and a team building experience for our magnum family.

[Read more...](#)

MAGNUM MINUTE: The Lifting Assembly

In this issue of the MAGNUM Minute, we discuss some key points about MAGNUM's Lifting Assembly



MAGNUM Welcome

Magnum Geo Solutions welcomes staff engineer, Derek Egbert. He is currently assisting project engineers in the design of underground and skid foundations utilizing helical piles.

Derek grew up in Enumclaw, Washington, served in the Army from 2008-2015 and Graduated from Colorado State University in May 2020. He is also a 20-year snowboard veteran.

Everyone in the MAGNUM family looks forward to Derek becoming a valued member.

Kanawha Public Library

Magnum Geo Solutions was able to redesign the library using 159 3" helical piles under the columns as well as the elevator shaft. This was able to greatly reduce the cost of the project by eliminating the spoils produced by auger cast.

You can view the video case history by

clicking the image to the right.

[View in a PDF](#)



The Deepest Foundation?

What's the deepest underground station in the world? Arsenalna Station in Kiev, sits 350 feet (105 meters) under the city. It is as deep as the Statue of Liberty is tall and the journey from surface to platform takes more than five minutes. To put this in context, London's deepest station is Hampstead at 192 foot (58 meters) deep, while New York's is 191st Street, which is approximately 180 feet (55 meters) below street level.

The station's depth is due to the geography of Kiev, where parts of the city stand on a hill with others almost at sea level on the banks of the Dnieper River.

[Courtesy theB1M.com](#)

