



# Structural Systems Repair Group (SSRG) Installing (34) Helical Piles at Condominium Complex in Miamisburg, OH

Fall 2020



**Structural Systems Repair Group**  
2824 Stanton Ave.  
Cincinnati, OH 45206  
513-751-7774  
[www.ssrsg.com](http://www.ssrsg.com)

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| <b>Project Name &amp; Location:</b>          | Ashton Place Condominiums - Miamisburg, OH  |
| <b>Project Date:</b>                         | Fall 2020   |
| <b>Project Type:</b>                         | Helical Pile Deep Foundation System   |
| <b>Helical Pile Installation Contractor:</b> | <b>Structural Systems Repair Group</b> , Cincinnati, OH   |
| <b>Structural Engineer:</b>                  | <b>GEI Engineering</b> - <a href="http://www.gei-engineering.com/">http://www.gei-engineering.com/</a>                        |
| <b>Helical Pile Specifications:</b>          | (34) 2.875" O.D. Round Shaft Helical Piles with 10', 12", 14" Helix Bearing Plates; 60 KIPS Ultimate Capacity; All Galvanized |
| <b>Soils &amp; Embedment Depth:</b>          | Highly Plastic Clays Overlying Weather Shale. Average Pile Embedment 15 ft.   |
| <b>Project Timeline:</b>                     | (4) Weeks   |
| <b>Helical Pile Manufacturer:</b>            | <b>Helical Anchors, Inc</b> - Minneapolis, MN   |

## Project Overview

Structural Systems Repair Group (SSRG), with headquarters in Cincinnati, OH, was contacted by Ashton Place Condominiums Association to stabilize foundations at existing Condo Complex in Miamisburg, Ohio.



SSRG is installing (34) piles for stabilizing foundations at seven buildings with multiple units. Existing soils at the site consist of organic clay that resulted in settlement issues at these foundations. Helical piles were proposed as a stabilization solution for this project.



SSRG installed these piles in varying weather conditions with rain. New construction pile caps typically 8" x 8" size, used to connect the piles and new grade beam. Soil comprised of highly plastic clays overlying weathered shale and bedrock. Helical pile tip bearing on good strength shale or bedrock.

