

BOARDWALK FOUNDATION PROJECT



Innovative Piering was selected as the helical piercing contractor for the construction of the boardwalk foundation. The general contractor, Sub-Surface of Indiana worked right alongside of Innovative Piering to ensure the quickest and most efficient method possible for this phase of the project.

Project: SSB #10965

Structural Engineer: HWC Engineering of Indianapolis, IN

Geotechnical Engineer: Alt & Witzig Engineering, Inc. of Indianapolis, IN

General Contractor: Sub-Surface of Indiana Inc.

Location: Zionsville, IN

Six boardwalks were planned for this multi-use development in Zionsville, Indiana. A series of walking trails and paths snaked back and forth across the natural landscape, including several creeks and wetland areas.

The boardwalks would provide approximately 435 linear feet of elevated walkways. The average height above the finished grade would be less than 3'. The boardwalk would be constructed of pressure treated lumber, bearing on (68) galvanized 2 7/8" helical piers. Once the piers were installed to an average depth of 14', they were then encased in concrete caissons. Lateral bracing was installed to ensure stability was achieved. Finally, beam adapting plates were installed and through-bolted with 80,000# galvanized bolts.



As soon as piercing operations were completed on each boardwalk, the general contractor had the framing contractor ready to begin framing operations. Asphalt walkways were then constructed, allowing a smooth transition from asphalt to the pressure treated boardwalk.

Everyone involved on this project worked great together to ensure it flowed smoothly. The engineer of record was very particular and accurate. The general contractor, Sub-Surface of Indiana was very organized and supportive during operations, which made this an efficient project. Innovative Pierings' project duration was 8 working days, and as usual, no injuries occurred on the project.

