Services - Sport, leisure & culture

Citizens Live at the Wylie

UNITED STATES

Citizens Live Concert Venue Lower Hill



Owner
Live Nation

Engineer
Langan

General contractor
PJ Dick

Dates of work
January 2025 February 2025

Technical Specialties
Stone columns

Main figures

Stone columns

214 EA. Number of elements

15 ft Average Depth



Description

Located in Pittsburgh's historic Lower Hill District, the new Citizens Live at The Wylie venue is part of the continued redevelopment of the former Civic Arena site, bringing a new live music destination to an area with deep cultural and musical history.

The project consists of an approximately 100,000-square-foot, multi-story music venue with capacity for up to 4,500 concertgoers. Designed to accommodate a wide range of artists, performances, and special events, the venue will include performance spaces, audience areas, and backstage facilities. Once complete, the project is expected to add a major new entertainment destination to Pittsburgh's nightlife and live music scene.

Ground conditions

The project site was at the former Civic Arena hockey venue. The site was previously demolished and consisted of up to 20 foot thick layer of fill containing silt, clay, and some deleterious material of concrete and brick fragments. Below the fill contained weathered rock and siltstone.



Solution

To support the new music venue, Menard provided pre-augered Stone Columns to penetrate the variable fill and improve support beneath the proposed foundations. The solution was selected to address the site's mixed fill conditions while providing a practical ground improvement approach for a structure being built on a previously developed urban site.

A key project challenge was the highly variable depth to rock across the site. In some areas, Stone Columns could not be installed as originally anticipated because bedrock was shallower than expected; in other areas, foundations initially expected to bear on rock required additional Stone Column support when rock was encountered deeper than anticipated.

Menard worked closely with the project team to evaluate those transitions and address differential settlement between areas supported by Stone Columns and areas bearing directly on bedrock. The work also required coordination across two working bench elevations and winter construction conditions. Through careful field coordination, performance verification, and responsiveness to changing subsurface conditions, Menard successfully completed the Stone Column program and provided a verified ground improvement solution for one of Pittsburgh's newest live entertainment venues.

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