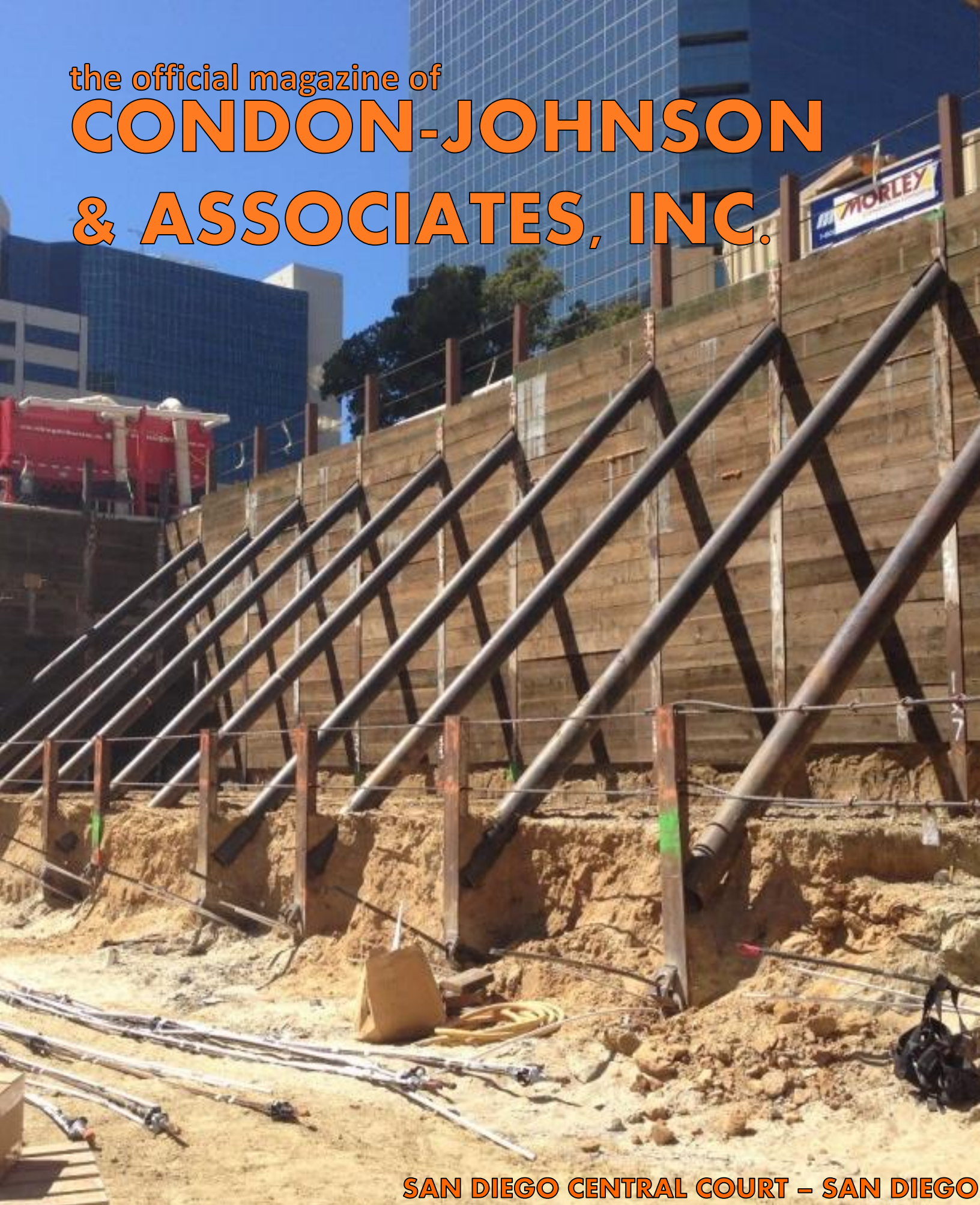


the official magazine of

# CONDON-JOHNSON & ASSOCIATES, INC.



**SAN DIEGO CENTRAL COURT – SAN DIEGO**

2014 / Second Half



**Welcome** to 2015 and the next edition of the CJA Magazine. Please enjoy the featured articles highlighting some of Condon-Johnson's accomplishments in 2014. In addition to our completed work in 2014, CJA set a new record for the total value of new contract awards in a single year-exceeding 100 million.

While we continue to thrive at what we consider our more traditional drilling and shoring work, the 8-13 foot diameter shafts are becoming routine as well as micropiles in confined spaces. We have also expanded geographically with several projects in Alaska and Hawaii. As far as expanding our human capital, we added a Human Resources department, we hired a District Manager in the Northwest, and added new personnel in all districts. We hope everyone can join us at our annual meeting later this year to celebrate these accomplishments.

As you continue to turn to the right, and read about our accomplishments in this publication, I want to recognize those who probably don't see this digital magazine. The ones that help complete what we call a successful project. These are the guys in the crew that make the "field problem" not a problem anymore. The laborer that gives every PM, Super, and PE the comfort that we gave it our all. The operator who's only focus is what's best for the project. These are the guys that believe the best insurance policy for tomorrow is to make the most productive use of today. Please share this magazine with that guy. I personally thank you for the dedication and work ethic that you bring to CJA.

**Jeremy Condon**

Vice-President/Operations Manager





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## ON THE COVER

See how CJA is helping to support justice in San Diego on Page 8.

# Napa Valley Ragnar Relay Race



CJA fielded a team of 12 relay runners to run the 2014 Ragnar Relay Race in Napa Valley. The race started in Golden Gate Park, running across the Golden Gate Bridge, through the rolling hills and farmland of Petaluma and finally finishing on the country roads of Napa Valley. The team covered over 200 miles in 26 hours, exhibiting true grit while running through the night and sleeping in the back of the vans. CJA finished in the top 10% overall. It was a wild and crazy experience with our teammates and co-workers that will always be remembered. A special thanks to our team captain, Ray Fassett, and all of the dedicated runners and volunteers.

## OAKLAND OFFICE

### San Ramon Access Road Repair San Ramon, CA

The city of San Ramon contracted with CJA to install 1173-feet of secant piling to shore-up 85-feet of an access road that was succumbing to erosion from an adjacent stream. The piles were arranged in a repeating arch-shaped pattern with 3 ea. 24-inch dia. soft piles between 30-inch dia. hard piles with W21x93 beams. The narrow width of the access road posed some logistical challenges with spoils management and concrete delivery. Spoils were placed into a F550 dump truck and hauled to a stockpile 1,000-feet away and concrete trucks were backed down the road 1,500-feet to the pump.



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## San Leandro Creek Rehabilitation Project

### San Leandro, CA

San Leandro Creek (Line P), between San Leandro Bay and Freeway 1-880, was constructed by the United States Army Corps of Engineers (Corps) in 1974 as a primary flood control facility. The facility was subsequently turned over to Alameda County Flood Control and Water Conservation District (District) for maintenance and operation. In December 2007, a 30-foot section of the concrete channel wall collapsed during a dry sunny day.



The Corps conducted a preliminary technical assessment in January 2008, and determined that tidal salt water had seeped through the concrete joints and caused severe corrosion of the steel reinforcement near the bottom of this 30-foot section of channel wall. In July 2009 the failed wall section was repaired.

CJA was hired to secure the existing channel walls. Soil nails were installed through the existing wall and concrete fillets installed at the bottom of each wall panel for shear resistance.

Key Personnel: Jim Clarke (Project Manager), Frank Portelli (Superintendent) Jeff Borup (Superintendent), Sia Motlagh (Project Engineer), Cameron Lane (Field Engineer)

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## Calaveras Dam Replacement Project

### Sunol, CA

Condon-Johnson & Associates will continue work in 2015 on the Foundation Drilling and Grouting program at the Calaveras Dam Replacement Project. The new replacement dam is being constructed downstream of the existing Calaveras Dam which has been deemed seismically unstable. This dam retains the Calaveras Reservoir which is the primary drinking source for San Francisco. The goal of the Foundation Drilling and Grouting program is to minimize seepage through the underlying bedrock of the future dam.

In the recent months, CJA has used various techniques to complete change order work by grouting in conditions that were not presented in the original contract documents. This work includes performing reach-over drilling through a gravity wall by using an excavator mounted rock drill and utilizing an air track drill rig to work on a steepened 1.5:1 (H:V) slope. In addition, CJA installed 40-foot to 50-foot nipple pipes through overburden to allow drilling and grouting of a critical portion of the dam prior to excavation by the General Contractor. This collaboration with the General Contractor minimized CJA's duration on the critical path.

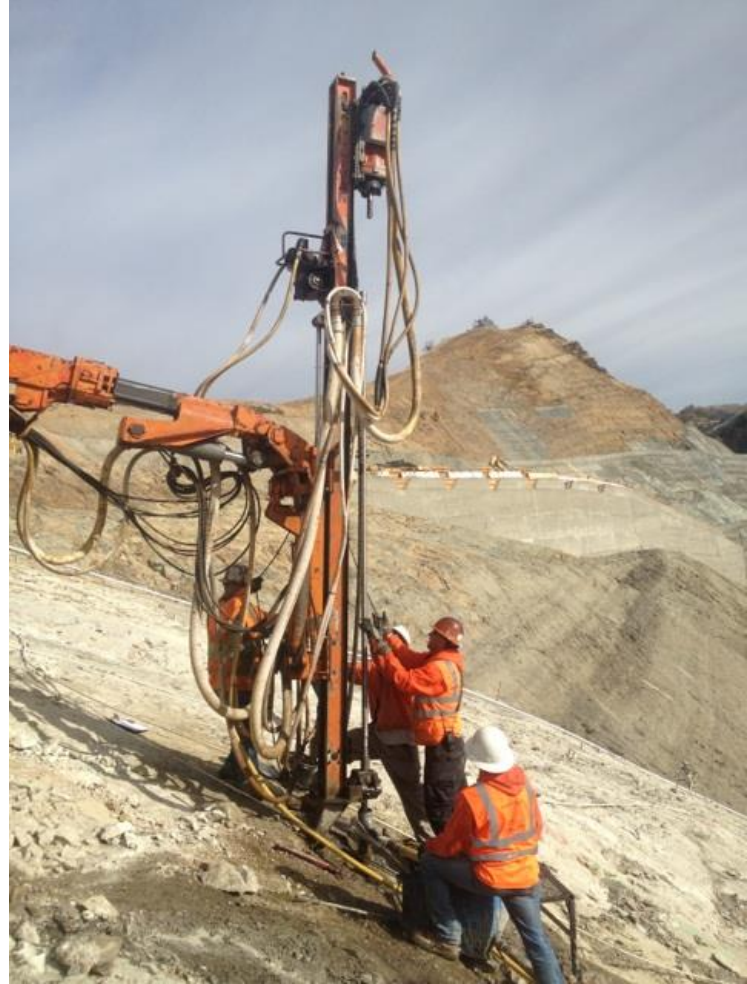
Key Personnel: Mike Almeida (Project Manager), Mark Nissen (Superintendent), Dave Ross (Superintendent), Elly Bulega (Project Engineer), Matt Miller (Project Engineer), and Brian Kenny (Project Engineer)

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## SEATTLE OFFICE

### The Elliott Bay Seawall Project Seattle, WA

The Seattle Seawall was originally constructed between the years of 1916 and 1934 utilizing an estimated 20,000 old growth timbers that have been slowly eaten away by Father Time and gribbles (tiny marine borers that have an appetite for wood). Seattle's Seawall supports SR 99, Alaska Way, the ferry terminal, as well as major utilities. Seismic concerns are also an issue since everything behind the seawall from Alaskan Way to Western Avenue is built on top of fill.



The focus of CJA's continued work is the construction of over a half mile long shoring wall which includes more than 500 soldier piles, almost 400 tiebacks and nearly 50,000 square feet of lagging. CJA is using the SR-100 drill rig, in CFA configuration, to successfully install soldier piles up to a depth of 44-feet through historical backfill, the old wood relieving platform, and into a dense sand layer. CJA's years of experience in the region has led to the successful design and installation of the required tiebacks through difficult soil conditions and design constraints. CJA's experience, commitment, and reliability are key to the successful and timely completion of work in this difficult and time constrained project.

Key Personnel: Rowland Stow (Project Manager), Mark Gundlach (Superintendent), Colby Henke (Superintendent), Kyle Melberg (Superintendent), Joe Davis (Superintendent), Andrew Erickson (Project Engineer), Brendan Harkins (Project Engineer)

## Healy NOx Compliance Project Healy, Alaska

In 1999, Unit 2 of the coal fired power plant in Healy, Alaska was shut down for not meeting the environmental requirements for nitrogen oxide emissions. In order to restart Unit 2, a selective catalytic reduction systems was added to the



existing plant. Part of this retrofit, required micropiles to support the new equipment inside the plant.

CJA was hired as the specialty contractor for the limited access micropiles inside the existing power plant. The micropiles design requirements consisted of a 152-kip compression, 96-kip tension, and 34-kip lateral load criteria for each micropile. Part of the installation program included a sacrificial test program in which 3 ea. micropiles were installed and tested to a 468-kip compression load, 288-kip tension load, and 100-kip lateral load.

Key Personnel: Spark Johnston (Project Manager), Matt Partain (Superintendent), Ty Jahn (Project Engineer)

# SAN DIEGO OFFICE

I-805 North Express Lanes  
San Diego, CA



The 805 Design Build Project consists of widening the existing 805 North bound and South bound lanes in addition to constructing the new Direct Access Ramp (DAR) segment between Sorrento Valley Road and the 805. CJA was contracted by Skanska to perform the 3-foot, 8-foot, 12-foot, and 13-foot diameter drilled shafts up to 112-foot deep.

CJA successfully overcame challenging access issues due to the clear space between existing bridge piers, sloughing formation material, and partial pile capacity derived from end bearing (Caltrans normally avoids end bearing piling under slurry), and tight specifications.

Key Personnel: Luis Maldonado (Superintendent), William Lincke (Project Manager)



## San Diego Central Court San Diego, CA



The state funded \$555M central courthouse has 22 stories and helps develop a civic zone in downtown San Diego where city, county, federal and court facilities can be centrally located within close proximity to each other. This courthouse was necessary since the three courthouses that it will replace are significantly outdated and one of them is considered unsafe by today's standards as it is located on a major fault line. CJA's scope of the project is to install soldier pile shoring for the courthouse, a bridge pier cap as well as CIDH piles for a pedestrian bridge that will link the new courthouse to the existing Hall of Justice. The courthouse footprint is a full city block, which required 36,000 square feet of shoring and 142 piles that extended below the water table.

Rudolph & Sletten is the CM for the project. The shoring for the courthouse is currently complete and the remaining work includes limited access installation of 6ea 3'dia 80' deep wet hole piles and shoring for the pedestrian bridge.



Key Personnel: Dave Giwosky (Project Manager), Ken Lyman (Superintendent), Mike Shuster (Superintendent), Dave Ross (Superintendent), Gabe Garcia (Superintendent)

## Metropolis Irvine, CA

The Metropolis apartment project in Irvine will provide 1,600 apartment units, a rooftop pool and bowling alley once completed.

CJA was contracted by Garden Communities to design and build approximately 11,500 square feet of temporary shoring and 44,750-feet of Auger Displacement Piling. CJA utilized beams ranging from W14x34 to W21x50 for the tiebacks and cantilever portions of work. There were 63 tie backs drilled up to 55 feet long, consisting of two and three strand anchors, as well as approximately 500-feet of cantilever shoring due to City roadway restrictions. The tiebacks were necessary due to limited lot size and poor soils conditions to facilitate construction for underground parking.

Key Personnel: Steve Bonita (Project Manager), Ken Lyman (Superintendent), Mariano Bautista (Project Engineer)



# LOS ANGELES OFFICE

## Riverside Drive – Phase II Los Angeles, CA



CJA was contracted with Flatiron West, Inc. to install the CIDH piles for a two phase bridge that spans the Los Angeles River, the Metrolink rails, and is tucked between Interstate 5 & 110 Freeway. CJA is currently in the process of finishing the second phase of work, which includes 1 ea. 96-inch diameter and 22 ea. 24-inch wet CIDH Piles. The 96-inch diameter CIDH pile was completed while working between the Phase 1 Bridge and the Interstate 5 Highway. The tight access provided multiple challenges, from fitting the counter weights of the BG40 underneath the Phase 1 Bridge, to utilizing a 350 ton hydraulic crane with the assistance of a 75 ton crane to pick an 80,000 pound cage off the top of the Phase 1 Bridge. Multiple key personnel successfully managed and lent support for the critical CIDH work.

Key Personnel: Luis Maldonado (Superintendent), Rafael Arriaga (Superintendent), Don Sheresh (LA General Superintendent), Derek Deutscher (Project Engineer), Josh Hilton (Project Manager)

## Avalon Bay Huntington Beach Lofts Huntington Beach, CA



CJA was contracted by Avalon Bay Communities, Inc. to design and construct a relatively water tight perimeter shoring system. CJA contracted DRS Engineering, Inc. to assist with the design. The design consisted of a 301 ea. triple axis Cement Deep Soil Mix (CDSM) panels to a depth of 50 feet below grade along the project perimeter with beams in every other column. CJA utilized two beam sizes, W16x40 beams in a cantilever condition and W16x36 with walers and tie backs. There were 117 tie backs drilled to 40 – 45 feet depths, consisting of three and four strand anchors. The tie backs were necessitated due to a deeper excavation for an underground parking portion. Rakers were used at the North East corner due to an existing electrical tower.

Key Personnel: Gabriel Carvajal (Project Manager), Stephen Bonita (Project Manager), Dario Corso (Superintendent), Dave Ross (Superintendent), Jose Tovar (Superintendent), Terry Kotas (Superintendent), Dan Lancaster (Superintendent), Matt Miller (Project Engineer), Mariano Bautista (Project Engineer)

## Ford Theater Los Angeles, CA

The Ford Theatre is in the process of undergoing a series of renovations that will rehabilitate and improve the current historic amphitheater and add new facilities and amenities within the current boundaries of the Ford Theatres property. CJA has constructed a series of temporary soil nail walls to facilitate the replacement of the stage and sub-stage dressing rooms. Along with the shoring, CJA has been contracted to install permanent micropile foundations for the erection of a new lighting trellis.

Key Personnel: Hugo Guerrero (Project Manager), Chris Blanco (Superintendent)

