

the official magazine of
**CONDON-JOHNSON
& ASSOCIATES, INC.**



BERKELEY ART MUSEUM – BERKELEY, CA

2013 / Second Half



Welcome to the Condon-Johnson and Associates Magazine as we celebrate 40 years as a foundation contractor. The fact we have been “digging holes” for 40 years was highlighted to me as we were preparing a recent proposal that necessitated listing a *job history of completed projects*. It was a stroll down memory lane, going through old boxes of 35 mm slides of projects completed since the early '70s. I was reminded of all the opportunities and challenges that came our way, and of the loss of Mike Condon, Bill Bydewell, and Tommy Federighi, whose contributions to the company helped define our standards for success in so many ways.

I hope you enjoy the photos of our recent projects in this digital magazine and I would like to share some old ideas that have helped us grow and prosper over the years.

- **Work safely.** Take that extra moment when planning the work and ask the question “how can we do it safely.” While most people understand the basic principle that we have to make a profit, everyone needs to understand we need to do it safely. If you haven't planned the work with safety in mind, you're not finished planning.
- **Maintain Quality.** The savings from a poorly constructed job will be soon be gone, but the taste of poor work will stay with everyone – clients, engineers, and compatriots.
- **Know your cost.** This is a basic principle of what we do for a living that many times gets overlooked.
- **Benefit from others having "been there, done that..."** We have a wealth of experience in the company. In an effort to make that experience and knowledge base available to our younger employees, we started an in-house training program we call CJA University. I encourage not only the newer recruits but also our seasoned hands to participate in the CJA university courses that we have been running throughout the district offices.
- **When there is a problem, never be afraid to ask for help.** If you have a problem, raise your hand early. This was a concept utilized by Mike Condon when he ran work and that was engrained into me as a young project engineer. We all have challenges that arise on a daily basis in this business. Just ask for help.
- **When we make a mistake, we fix it.** While a simple concept to state, a difficult concept to implement.

James Johnson
Vice-President





IN THIS ISSUE

- 03** Oakland Office
- 05** Seattle Office
- 08** San Diego Office
- 11** Los Angeles Office

ON THE COVER

What would you change about visiting a museum? More exhibit space? Parking? Supporting historic buildings? CJA addressed all of these and more at the Berkeley Art Museum. Story on Page 4.

OAKLAND OFFICE

Calaveras Dam Calaveras, CA

The Calaveras Dam Replacement Project is a \$621 million project to build a new 220 foot high earth and rock fill dam downstream of the existing dam for the San Francisco Public Utilities Commission. The reservoir currently retained by the existing dam was lowered to less than 40% of the normal operating capacity in 2001 due to seismic concerns. The replacement project is part of the SFPUC's \$4.6 billion Water System Improvement Program to repair, replace, and seismically upgrade the aging pipelines, tunnels and reservoirs in the Hetch Hetchy Regional Water System. CJA has a contract with the joint venture of Dragados USA, Flatiron and Sukut Construction to perform the foundation grouting of the rock underlying the new dam. The scope of the foundation grouting program consists of two Production Curtain Rows, four in an isolated reach, Verification Holes, Stitch Grouting, and Transverse Cutoffs to allow a unique sequencing. Descending stage grouting was used to grout the right abutment, which was completed in November 2013. CJA will return in 2014 to perform ascending stage grouting on the left abutment.

Key Personnel: Mike Almeida (Project Manager), Mark Nissen (Superintendent), Brian Kenny (Project Engineer)



Stanford Adult Hospital and Parking Garage Palo Alto, CA



The shoring for the new Adult Hospital and Garage will be complete next month, finishing the Oakland districts' largest and most complex project of the year. In the last 8 months CJA crews installed 533 piles and 924 tiebacks under strict OSHPD inspection. During tieback installation up to 4 Klemms and the Davey-Kent drill were working to meet the demanding project schedule.

Key Personnel: Franklin Dorin (Project Manager), Mike Almeida (Project Manager), Angelo LaCourt (Superintendent), Garrett Bartley (Superintendent)

Berkeley Art Museum Berkeley, CA

UC Berkeley is building the new Berkeley Art Museum & Pacific Film Archive in the center of downtown Berkeley. CJA was awarded the Demolition / Shoring / Excavation / Dewatering Trade Package by Plant Construction in May 2013 and started immediately to meet the aggressive schedule and complete the excavation by October. Our shoring scope included supporting a historic 3 story concrete building in place, then removing the foundations and excavating





underneath. The temporary steel support structure required over 400,000 lbs of steel with shop drawings, field fabrication, and building jacking all performed by CJA forces. CJA also installed 7,600 SF of soil nail walls, 8,400 SF of soldier pile & tieback walls, and underpinning pits under and around the existing structure.

Key Personnel: Jim Clarke (Project Manager), Frank Portelli (Superintendent), Simon Burnworth (Project Engineer), Dan Alford (Project Engineer), Denise Rozporka (Project Engineer)

NEW HIRES

The Oakland Office is pleased to welcome the following full-time EIT:
Siavash Motlagh – University of Texas

SEATTLE OFFICE

Genesee CSO Reduction Seattle, WA

The Genesee CSO Reduction Project is split into two separate sites which are situated near Seward Park in Seattle, WA. At each site a large underground concrete storage tank is being constructed to hold 600,000 gallons of combined sewer overflow during major rain events. These tanks will



temporarily hold these overflows and prevent them from entering Lake Washington. In order for the reservoir to be constructed CJA was hired to install 278 each 3 foot diameter secant piles with depths of up to 50 feet using the Soilmec 825 and install sheet piling, with 148 tons of internal bracing. CJA's scope of work also included installing 21 dewatering wells.

Work began in May 2013, and will conclude with removal of the dewatering system in April 2014.

Key Personnel: Rowland Stow (Project Manager), Kyle Melberg (Superintendent), Simon Chavez (Project Engineer), Andrew Erickson (Project Engineer)

South 200th St. Light Rail Extension Seattle, WA



Beginning July 8th 2013, CJA began work for PCL installing 70 each 2-meter, 2.5-meter, and 3-meter oscillated drilled shafts up to 170 feet deep for the elevated Southlink light rail extension. When completed, the light rail will be extended by 1.6 miles from Sea-Tac Airport to the new Angle Lake Station on South 200th Street.

Key Personnel: Eric Dybevik (Project Manager), Mark Gundlach (Superintendent), Brendan Harkins (Project Engineer)

Union Pacific Rail Road Bridge Reconstruction Harrisburg, OR



After 106 years of service, the mainline Union Pacific Railroad bridge across the Willamette River at Harrisburg is being replaced. The current structure is a 908 ft. steel truss bridge. CJA was selected by Hamilton Construction to install 18 each 2.2-meter diameter drilled shafts up to 140 feet deep using the 3-meter Leffer oscillator. All of the work is being accomplished during live rail traffic and the shafts are being installed off of a trestle.

Key Personnel: Eric Dybevik (Project Manager), Vaughn Cuffe (Superintendent)

VIRGINIA MASON MEDICAL CENTER – JONES 3 TUNNEL SEATTLE, WA

CJA was selected to construct the barrel vault tunnel support for the Virginia Mason Jones 3 Tunnel Project in three-phases. This tunnel is being built to connect the existing emergency room to a new surgery suite. In order to support excavation during tunneling CJA used the T43 Beretta to install 6-5/8 inch



casing (spilling) in a square formation. Each spilling was surveyed with an Inertial Sensing Gyroscope to verify hole alignment before excavation began. The ground is then stabilized via permeation grouting using microfine grout injected through the ports in the casing. The project is being constructed in 3-phases due to the zig-zag pattern of the tunnel.

To protect the hospital from contamination, air quality control methods were implemented to maintain a negative air work environment. Extensometers were also monitored to minimize impacting hospital activities and eliminate compromising the structural integrity of the Jones Building.

Key Personnel: Spark Johnston (Project Manager), Joe Davis (Superintendent),
Dustin Taylor (Project Engineer)

NEW HIRES

The Seattle Office is pleased to welcome the following employees

Full time EITs

Dustin Taylor – University of Oklahoma

Andrew Erickson – Montana Tech

Full time superintendents

Vaughn Cuffe – Vaughn brings over two decades of career experience in oscillated large diameter drilled shafts and anchored earth support.

Ken Ver Hage – Ken has an extensive experience in the construction of diaphragm walls, slurry walls., CIDH drilling, and shoring work.

Interns

Elly Bulega – Washington State University

SAN DIEGO OFFICE

University of California San Diego Altman San Diego, CA

The University of California San Diego is in the process of building the Altman Clinical and Translational Research Institute (CTRI). The building for the CTRI is a seven story (three stories below grade) facility that will contain wet and dry research labs, laboratory support space, vivarium, clinical research area, offices, auditorium, and café.

CJA was responsible for the installation of 25,532 square feet of soil nail wall shoring, and 1,222 square feet of tied back soldier pile shoring with shotcrete lagging.



As part of the scope, CJA included the installation of water proofing which was subcontracted to Applied Restoration, Inc. The project was completed November 2013.

Key Personnel: David Giwosky (Project Manager), Luis Maldonado (Superintendent), Gabriel Garcia (Superintendent), Thomas Brown (Project Engineer)

Adobe Estates – Shear Pins **Vista, CA**

Located in Vista, California, Pulte Homes is developing a new community called Adobe Estates. CJA contracted directly with Pulte Home Corporation for the installation of 48" diameter shear pins. On the uphill side of the project site, are existing homes. The shear pins functioned to prevent any possible sliding that might happen during the site excavation. Approximately 60 feet below ground surface was a brittle clay layer that was identified as the shear plane. This weak layer was reinforced by the insertion of the 48" diameter shear pins.

A total of 139 ea 48" diameter shear pins were installed. Each shear pins was reinforced with 6000 psi concrete and 2 ea W24 sections, oriented flange to flange. The project was completed in October 2013.

Key Personnel: Ken Lyman (Superintendent), Evan Newman (Project Manager)



Sempra TL 13833

San Diego, CA

San Diego Gas and Electric (SDGE) is in the process of replacing existing wood power poles with steel poles will increase fire safety. CJA contracted with SDGE for the installation of 6 pole foundations. Of the six pole foundations, 2 foundations were supported by micropiles, and 4 were supported by drilled piers. The pier foundation diameters ranged from 5-6 feet. The micropile foundations included micropiles with design loads of up to 129 kips. A galvanized, 2.5", grade 150, Williams Form Engineering threadbar was used for all micropiles. The project is scheduled for completion in January 2014.



Key Personnel: David Giwosky (Project Manager), David Ross (Superintendent)

LOS ANGELES OFFICE

LA News



CJA Los Angeles moved their office to Ontario in September 2013, and the yard to Rialto in October 2013. The new yard is nearly 5 acres, with a 10,000 Sq.Ft. shop.

Cow Camp Road Rancho Mission Viejo, CA



The City of Rancho Mission Viejo, in the heart of Orange County, is undergoing aggressive expansion. CJA was contracted with Flatiron West, Inc. (FCI) to install the CIDH piles for the first of many bridges to facilitate the future expansion. The scope of work included 4ea. – 120" Dia. CIDH Piles and Isolation casings, with a maximum pile length of 116', and 10ea. – 108" Dia. CIDH Piles and isolation casing, with a maximum pile length of 114', and two abutments with a total of 64ea. – 18" Dia. Piles to 32' deep.

Key Personnel: Luis Maldonado (Superintendent), Dan Lancaster (Foreman-Abutments), Josh Hilton (Project Manager), Raymond Fasset (Technical Advisor), William Lincke (Technical Advisor)

Silverlake Earthwork Package – Wall 2 Silverlake, CA

CJA worked as a subcontractor to Innovative Construction Solutions (ICS) on the Silverlake Reservoir Project for the Los Angeles Department of Water and Power. CJA will ultimately perform work at two separate wall locations on this site. Wall 2 is pictured and Wall 1 is scheduled to begin in February 2014. Wall 2 consisted of galvanized 18x158 beams. The beams have pre-drilled holes down the web for mechanical attachment of pre-drilled angle iron to secure pre-fabricated concrete lagging panels. There is very little tolerance with these pre-fabricated components. CJA utilized the SR30, Boom Pump and 40ton rough terrain crane.



Key Personnel: Rafael Arriaga (Superintendent), Ernesto Contreras (Crane/Drill), Tom McKenna (Boom Pump), Drew Palmer (Front End) and Aaron Mueller (Project Manager).

Pacific City Retail San Diego, CA

The Pacific City retail center was partially developed prior to going bankrupt in 2006. DJM Capital Partners purchased the vacant property from the bank in 2012 and contracted C.W. Driver to manage the project. C.W. Driver reached out to CJA to help in the design and ultimately install Continuous Flighted Auger (CFA) piles within their existing footprint. CJA deliberated over multiple ideas, between Auger Displacement Piles, CIDH piles and finally decided upon CFA piles with the given loads and rebar configuration from the structural engineer.



CJA successfully install 86, 18" & 30" CFA piles totaling 3,125 LF. The project was within 200 yards of the beautiful Pacific Ocean, creating an interesting experience from brackish water to heaving sands to highly compressible clay.

CJA utilized the ABI 22m which had the Gamperl & Hatlapa computer system providing digital readouts of the rotary torque, rotation, flow of grout and the pressure.

Key Personnel: Ken Lyman (Superintendent), Jamie Renalde (Superintendent), John Compagnone (Project Manager), Derek Deutscher (Project Engineer)

LONG BEACH UNIFIED SCHOOL DISTRICT NEWCOMB ACADEMY LONG BEACH, CA

CJA was contracted by Pinner Construction to install 443 – 16" diameter Auger Displacement Piles (ADP) for the Long Beach Unified School District (LBUSD). CJA broke ground December 10, 2013 and has successfully installed 12 – 16" diameter test piles ranging from 55' to 78' feet. The production piles are scheduled to start after the first of the year.

Key Personnel: Ken Lyman (Superintendent), John Compagnone (Project Manager), Derek Deutscher (Project Engineer)

