

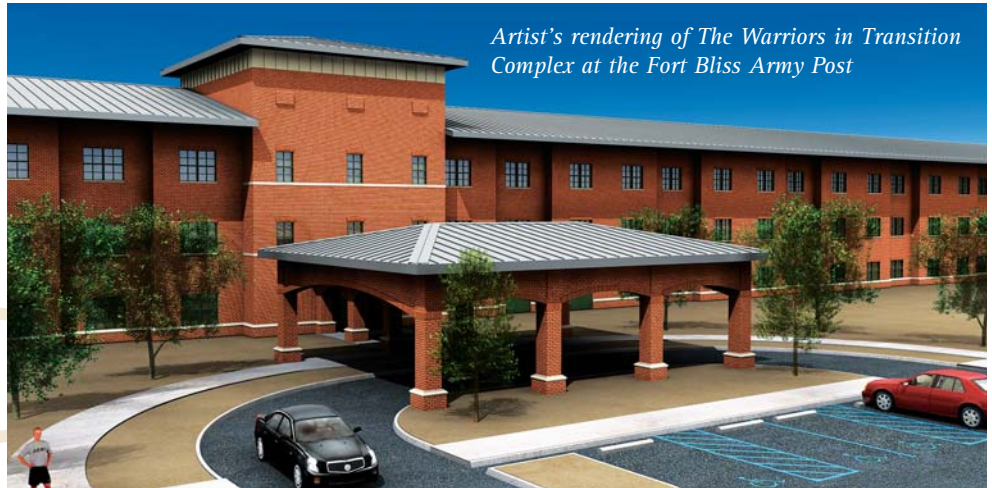
THE SUNDT EXPERIENCE

SUMMER 2009

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SUNDT AWARDED FIRST ARMY MILITARY CONSTRUCTION STIMULUS PROJECT



*Artist's rendering of The Warriors in Transition
Complex at the Fort Bliss Army Post*

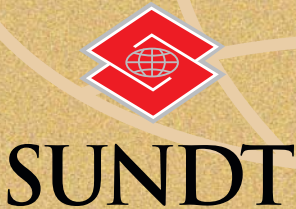
Almost everywhere you look at the Fort Bliss Army Post in El Paso, Texas, you'll see a Sundt truck or job trailer. That's because the company is in the midst of a number of projects—ranging from over a million square feet of residential barracks space to 12 Tactical Equipment Maintenance Facilities—that together total more than \$360 million, with more work likely to come in the near future. One of the most notable current projects is a \$30 million barracks building for

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TWO SUNDT PROJECTS RECEIVE LEED PLATINUM, GOLD CERTIFICATION

Only three projects in Arizona have met the stringent requirements set by the U.S. Green Building Council (USGBC) to achieve Leadership in Energy and Environmental Design (LEED) Platinum Certification, the highest level possible. Sundt has built two of those projects, including the recently certified Arizona Game and Fish Headquarters in Phoenix.

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SUNDT AWARDED FIRST ARMY MILITARY CONSTRUCTION STIMULUS PROJECT



Artist's renderings of back (right) and front (below) of one of the 12 Tactical Equipment Maintenance Facilities now under construction at Fort Bliss



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Fort Bliss's new Warriors in Transition (WIT) Complex, which is the first of nine military construction projects for the U.S. Army that is being funded by the American Recovery and Reinvestment Act, also known as the stimulus package. The Warriors in Transition Complex at Fort Bliss will house up to 232 wounded soldiers returning from combat as they recover and re-integrate into the Army.

"Our team is designing the WIT barracks to accommodate the unique needs of these soldiers, particularly those who are recovering from head trauma injuries," said Sundt Preconstruction Project Manager Randy Rusing. "The three-story, 140,000-square-foot building is situated around a central courtyard with landscaped areas and covered seating to create a calm, relaxing environment. In addition, the buildings themselves are equipped with a number of specialized features to provide additional assistance to the recovering soldiers."

Design of the WIT barracks is underway, and construction is expected to be complete by late 2010. The remainder of the complex will include a headquarters and administrative building and a Soldier and Family Assistance Center. Both will be built by other small business design-build teams. Sundt's design team partner for the WIT Barracks project is Michael Baker Jr., headquartered in Pittsburgh, Penn.

Sundt and Michael Baker Jr. are also teaming up on two Infantry Brigade Combat Team (IBCT) complexes at Fort Bliss. IBCTs are essentially large complexes that provide facilities to help the Army meet its mission of ensuring the soldiers are trained and at a high state of readiness. Two of Sundt's design-build contracts are for the Unaccompanied Enlisted Personnel Housing (UEPH), commonly known as barracks, at IBCT 1 and IBCT 2. Combined, these contracts are valued at \$172 million, and all of the work will be finished in 20 months. The scope of the UEPH facilities amounts to slightly more than one million square feet of barracks space spread over 24 buildings (12 on each IBCT complex). The two-story barracks buildings are 43,000-square-foot, wood frame structures that include central activity rooms and 60 apartment-style living units to be shared by 120 soldiers.

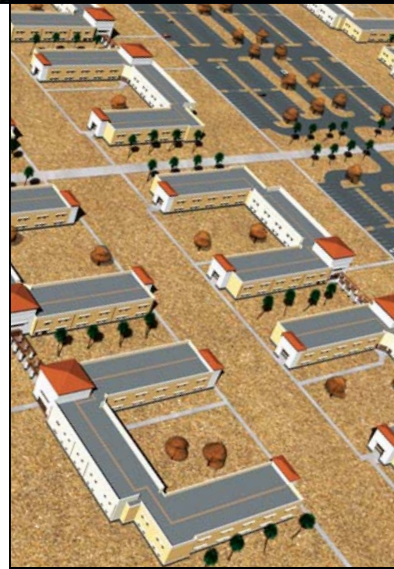
Sundt's Fort Bliss Work Totals More Than \$360 Million

The team broke ground in early June and expects to complete the barracks on IBCT 1 in November 2010, followed by the completion of the IBCT 2 barracks the following April.

While the barracks project is underway, Sundt is also designing and building 12 Tactical Equipment Maintenance Facilities (TEMFs) under a separate \$123 million contract awarded last May. The TEMFs are located within the IBCT complexes and are used to store vehicles and other equipment. When complete, the TEMF structures will total approximately 320,000 square feet to service 3,268 vehicles. Sundt is also providing 48 ancillary storage buildings on the TEMF sites that will be used for gear and equipment storage, drone airplanes, fuel and other hazardous materials. Sundt will self-perform all of the site work and concrete work for the project, which includes roughly four million square feet of 10-inch reinforced concrete paving, which is the equivalent of 31 miles of two-lane highway. The 18-month TEMF project will be complete in late 2011. Sundt's design team partner for the TEMF project is RNL, headquartered in Denver, Colo.

Yet another \$23 million contract involves site work for a new Community Center, which includes infrastructure development of approximately 80 acres that will become the core community area for the soldiers and families stationed at Fort Bliss. The Community Center will include many functions, such as banks, Army and Air Force Exchange Service facilities, an aquatic park, a physical fitness center and various athletic fields. The infrastructure development includes site grading and establishing building pads for the new facilities as well as utility installation, street grading, paving, and street lighting.

"This project is the backbone of the new Community Center at Fort Bliss," said Sundt Area Manager Fred Stone. "All of us at Sundt are honored to be part of the Fort Bliss construction team that is delivering so many high quality facilities that will improve the quality of life for the men and women who serve our country."



Artist's rendering of the IBCT barracks project

SUNDT EXECUTIVE ELECTED NATIONAL VP OF SOCIETY OF AMERICAN MILITARY ENGINEERS

Ronald B. Brown, a senior vice president with Sundt Construction, Inc. and manager of the company's Federal Division, has been elected national vice president of the Society of American Military Engineers (SAME).

SAME is an international organization that promotes and facilitates engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals.

Brown has been an engineer member of the Society since 1979 and a member of SAME's national board of direction since 2005. He serves on the organization's Executive Management Committee. Brown also chairs the Associated General Contractors of America's National Governmental Affairs Committee.



Ron Brown

Right: Dial's new corporate headquarters in Scottsdale, Ariz. Will + Partners and CH2M Hill were the architects.

Below: A skylight illuminates an interior staircase



NEW CORPORATE HEADQUARTERS COMPLETED FOR DIAL

Sundt has added another household name to its client list. In Scottsdale, Ariz., the company recently completed a four-story building to serve as the new corporate headquarters for The Dial Corporation. Dial manufactures and sells consumer products and employs more than 2,300 people worldwide. Some of the 130-year-old company's well known brands are Dial® soap, Purex®, Right Guard®, and Soft Scrub®.

The 335,000-square-foot building's first two floors are devoted to product research and development, which includes several pilot plants where Dial test-manufactures products being considered for full-scale production. The top two floors are the company's corporate headquarters, while a three-level subterranean parking garage provides parking for approximately 1,000 vehicles. The building's exterior is highly unusual, with seven different "skin systems" ranging from glass to stucco to form a landmark design named the "Crystalline Cloud" by the project's architect.

Dial's new headquarters marks a notable "first" for Sundt: it is the largest single concrete project the company has ever undertaken with its own crews. An aggressive, six-day-per-week schedule was maintained for almost a year to place the job's total of 54,000 cubic yards of concrete, which included 800,000 square feet of suspended concrete decks.

The project has also been noted for employing a number of innovative techniques. "Building Information Modeling was integral to making this large and complex project a success," said Sundt Senior Project Manager Fred Friedl. Building Information Modeling is a cutting-edge technology that replaces two-dimensional construction drawings with multi-dimensional computer models to allow the project team to identify and resolve challenges during design and avoid costly and time-consuming changes during construction.

"This was also the first time we used Primavera P6 scheduling software in conjunction with the Last Planner Scheduling System," Friedl added. "The user-friendly software allowed us to efficiently man-load the schedule. With close to 400 craft workers at project peak, we needed to determine how and when the areas needed to be staffed. With this software, we were able to predict and estimate the amount of overtime and shift work that was needed to complete the aggressive schedule."

Our People
Make the
DifferenceSM



Dial's new corporate headquarters is also joining the ranks of the many "green" facilities built by Sundt, as it is expected to obtain LEED certification by the U.S. Green Building Council. Some of its environmentally friendly features include a low heat island effect due to lack of asphalt paving, low light pollution because of the kind of outdoor lighting that was chosen, a roof garden, water efficient landscaping, optimized HVAC performance, use of building materials that emit low amounts of volatile organic compounds (VOCs), and the incorporation of recycled doors, flooring and other "used" materials into the construction of the building.

Above left: Fritted glass was used to shade windows without compromising the view from executive offices.

Above right: A rooftop garden at Dial's new headquarters

TWO SUNDT PROJECTS RECEIVE LEED PLATINUM, GOLD CERTIFICATION

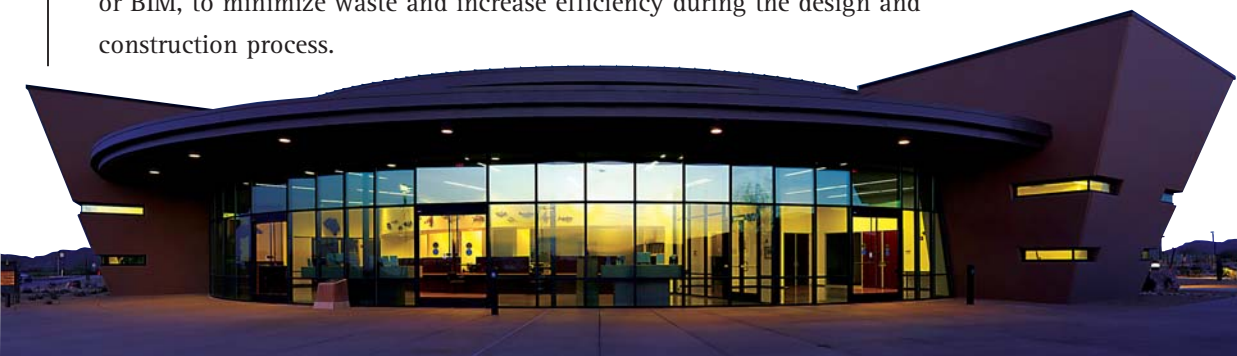
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The Arizona Game and Fish Headquarters building features a number of elements that helped it gain Platinum certification. The building was oriented to minimize summer heat gain and maximize the use of natural daylight and views of the surrounding desert and mountains. Onsite solar energy production, high efficiency mechanical systems, high performance glazing, and an Energy Star highly insulated foam roof minimizes the amount of electricity required to operate the building. Water conservation was achieved by using natural landscaping that requires no irrigation after one year, along with low flow and waterless bathroom fixtures. Only paints and adhesives that emit low amounts of volatile organic compounds (VOCs) were used during the construction process, and all cleaning products were Green Seal approved.

Sundt also recently received notification that its own headquarters building in Tempe, Ariz., received LEED Gold certification. The Sundt office is the first project in USGBC history to receive a point during the certification process for its use of Building Information Modeling, or BIM, to minimize waste and increase efficiency during the design and construction process.



Will-Hayes Architects designed the Arizona Game and Fish Department (left). SmithGroup was the architect for the Sundt Construction Headquarters (above).





INNOVATIVE SHAFT DRILLING TECHNIQUE USED FOR THE FIRST TIME IN THE NATION



When Sundt was awarded the \$29.3 million Folsom South Canal Pipeline Project in June 2007 by the East Bay Municipal Utilities District, it seemed to be a fairly straight-forward undertaking, with the typical schedule and environmental challenges. It involved the installation of approximately 24,000 linear feet of 72-inch welded steel pipe at depths of up to 25 feet (some of which was in solid rock) to create part of a new 17-mile pipeline that will carry up to 85 million gallons of water per day from the Sacramento River to Sacramento County and the East Bay region of California.

However, the project soon presented an unusual challenge. The plans called for the pipeline to pass beneath the nearby Mokelumne River about 45 feet below the ground elevation. The standard way to do this is micro-tunneling, which requires the construction of vertical shafts on each side of the river.

Due to the size of the shafts to be constructed (24 feet in diameter and between 34 and 48 feet deep), the challenging geological conditions and the high water table, Sundt and its subcontractor, Drill Tech Drilling & Shoring, Inc., decided to construct the shafts using the Bauer Cutter Soil Mixing (CSM) method.

“We considered several ways to build the shafts for the river crossing, but the conditions presented a real challenge and some approaches were too cost prohibitive,” said Chris Kahney with Sundt’s Heavy Civil Division. “Our subcontractor suggested the Bauer CSM method because it’s well suited for these kinds of conditions without being too expensive. This innovative technique was developed in Europe but had not ever been used before in the United States.”

The Bauer CSM method uses a specialized piece of machinery manufactured in Germany—a crawler-mounted rig equipped with two large cutting wheels that can be operated in both directions and reach depths of up to 115 feet. A nozzle located between the wheels is used to inject cementitious material into the freshly dug earth, which is then mixed with the soil by the rotation of the large cutters. Reversing the direction of the cutters forces the soil-cement mixture up the sides of the mixing unit to form the walls of the vertical shafts.

For each shaft, the team drilled vertical rectangular soil mix panels to a depth of 71 feet and then embedded vertical steel beams into the panels for extra strength. Once the soil mix slurry had hardened, the inner shaft was excavated and steel rings were welded to the vertical beams. At the bottom of the shaft, a reinforced concrete slab was poured to create a surface for the micro-tunnel machine to work.

The shafts were completed earlier this year and were deemed to be an overwhelming success by all stakeholders. The micro-tunneling operation followed the shaft construction, and soon the Mokelumne River crossing was completed. The project team achieved final completion in May, marking another large pipeline project success for the East Bay Municipal Utilities District and Sundt Construction.

Sundt crews laid 4.5 miles of pipe for the Folsom South Canal Pipeline Project and used the CSM method shaft drilling technique (shown above) to go beneath the Mokelumne River.

RENOVATIONS AT HISTORIC UC BERKELEY CAMPUS PRESENT UNIQUE CHALLENGES

Some projects require all of a contractor's experience and expertise—like Sundt's current renovation work for the University of California at Berkeley. The \$70 million job is modernizing the university's aging Clark Kerr Campus while preserving its many historic features. In addition, crews are keeping the campus open and operational for the thousands of students, faculty and staff who use it each day.

Clark Kerr Campus is a 50-acre complex located approximately one quarter mile southeast of Berkeley's Central Campus. The site was developed in the 1920s-1950s and is listed in its entirety on the National Register of Historic Places. The campus provides housing for more than 800 undergraduate students, as well as dining and conference facilities.

"This job is challenging in just about every way possible," said Sundt Project Manager Shawn Marty. "We're working in a very tight physical space with limited parking. On top of that, our crews are going to great lengths to preserve the buildings' historical features while upgrading and modernizing the facilities to current standards. For example, all of the roof tiles have to be removed and cleaned by hand before being replaced. The same is true with the windows and door frames. Even some of the concrete is historic, so we've had to cover it with plywood to protect it during construction. It's quite a balancing act."

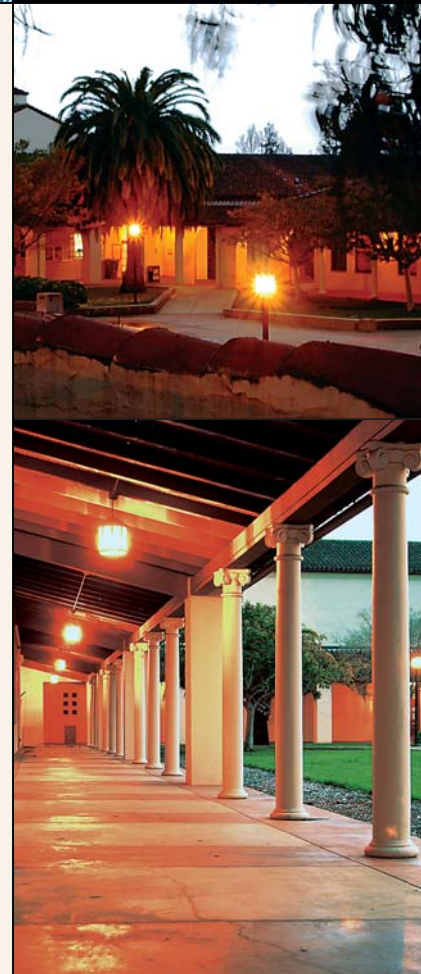
The project includes renovation of seven, three-story buildings that provide student housing, along with selective upgrades to address code compliance, aging materials and utility systems, and fire and life safety requirements. Other improvements include new disabled access and safety features, improved connections to the campus computer network, new electrical wiring, and removal of hazardous materials.

"Logistically, this project is really tough because of how large and complex it is," Marty added. "Even something as simple as where to locate our job trailers hasn't been easy. They're currently a quarter mile away from the work zone. We've also had to consider the noise impacts to students and a nearby daycare, so we've worked some weekends to avoid any major disturbances."

While Sundt's renovation project is underway, the university is also performing major site upgrades and installing new utility infrastructure throughout the campus. "There are several contractors and university personnel working in the same area at the same time on a number of different projects, which is challenging," Marty added. "It takes constant communication and detailed planning to accommodate everyone's needs in this kind of situation."

Despite its complications, the project is proceeding on schedule. Phase One was completed in May and Phase Two, which began in June, is scheduled for completion in June 2010.

"It's been challenging, but that's what we're good at," Marty said. "You can count on the unexpected when a facility is this old. Each of these 'surprises' affects the schedule, but we've worked it out so that the final completion date won't be delayed."



The historic Clark Kerr Campus at UC Berkeley is undergoing \$70 million worth of upgrades and renovations. Esherrick Homsey Dodge and Davis is the project architect.



\$30 MILLION HIGH SCHOOL PROJECT STARTED FOR REPEAT CLIENT

*Artist's rendering of the
new building at Sweetwater
High School in California*

Sweetwater Union High School District officials have selected Sundt to build a new, \$30 million building at Sweetwater Union High School in National City, Calif. The three-story, 87,000-square-foot structure will house classrooms, administration offices, a community theatre, library and health center. It will replace the single-story Building 100 and the original theatre building, which will be demolished. The new building will feature an all-glass façade to provide extensive day lighting and help the building reach LEED (Leadership in Energy and Environmental Design) Gold certification from the U.S. Green Building Council. Bunton Clifford Associates is the project architect. Construction is underway and scheduled to be complete by June 2011.

This is the second project in a row that the district has awarded to Sundt. The first was a performing arts facility, a three-story classroom addition and athletic fields at San Ysidro High School in San Diego. That award-winning project was completed in June 2008.

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