

Project: ALLURE LAS VEGAS – TOWER 1
LAS VEGAS, NV

Owner:

General Contractor: Bovis Lend Lease

Drill Equipment: SoilMec 930, SoilMec 622, Watson 3100

Construction Date 2005

Project Value: +\$420,000

Scope: Allure Las Vegas is the first of many condominium communities targeted for construction at the north end of the world famous Las Vegas Strip. The development consists of two 40-story high-rise towers of contemporary design. Anderson Drilling successfully negotiated and contracted with Bovis Lend Lease for the drilled shaft foundations designed to support Tower 1 and an adjacent parking structure. The full scope contract included: drill / set reinforcing cages / pour concrete for approximately (120) foundation piles. The piles ranged in size from 24" to 60" in diameter and varied from 15 feet to 80 feet in depth. The subsurface conditions required the use of our **rock augers and specialized rock tooling**. As is typical of the Las Vegas subsurface these piles were all constructed under water. A unique pile design was employed for the Tower that required the foundation elements be constructed using two separate and distinct concrete mixes in each pile. The bottom portion of the Tower piles required 4500-psi concrete whereas the upper portion (~ top 20 feet) required a higher strength concrete mix that ranged from 5500-psi to 6500-psi. Live power lines cutting through the middle of the site posed constant safety challenges and ultimately forced a re-mob to the site to complete the project.

