



CITY OF ATLANTA WATER SUPPLY, AMERIKA BİRLEŞİK DEVLETLERİ

Şev ve Yamaç koruma

City of Atlanta Water Supply

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Proje	City of Atlanta Water Supply
Yer	Atlanta, GA
Ülke	Amerika Birleşik Devletleri
Kurulum Yılı	2016
Müşteri	City of Atlanta
Mühendislik	Scarptec Inc.
Yüklenici	Guy F. Atkinson Construction LLC
Dahil olan diğer şirketler	Apex Rockfall, LLC
Durum	<p>Bellwood Quarry outside of Atlanta (GA) will now be used for City of Atlanta water supply. In preparation to house the water supply and construct the distribution tunnel system a temporary and permanent system needed to be designed to protect workers, equipment and infrastructure from rocks falling off the 315 ft high and 365 ft long north facing slope. An additional temporary solution also needed to be implemented to protect workers and equipment at the tunnel portal.</p>
Açıklama	<p>The solution was a 114 000 ft² TECCO® G65/3 drape system and two GBE-1000A rockfall barriers forming canopies. The challenge was to provide a feasible and cost effective solution that could be strong enough to contain rocks 2.5 ft in diameter falling from 285 ft. The system had to be strong yet light weight enough for effective installation. The GBE-1000A systems were bolted to the rockface with the TECCO® G65/3 drape tied locally to ensure capture of the rock. Larger boulders were secured with rock bolts to reduce system requirements. The drape will be left after the site is filled to contain underwater rockfall. The canopies will be removed.</p> <p>Learn more about the project: City of Atlanta Department of Watershed management (YouTube)</p>
Gösterilen obje	Mine / Quarry, Infrastructure
Kurulan diğer uygulamalar	Kaya düşmesine karşı koruma, Madencilik / Tüneller
Korozyon koruma	Galvanized, GEOBRUGG SUPERCOATING
Jeoloji	Granite
Dengelenen alan	10600 m ²
Maksimum eğim yüksekliği	96 m
Eğim meyili	80 ° - 90 °
Konumlandırma	North

Sorularınız için yerel Geobrugg uzmanınızla iletişime geçiniz

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