



CITY OF ATLANTA WATER SUPPLY, EE. UU.

Estabilización de taludes

City of Atlanta Water Supply

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Proyecto	City of Atlanta Water Supply
Lugar	Atlanta, GA
País	EE. UU.
Año de instalación	2016
Cliente	City of Atlanta
Ingeniería	Scarpotec Inc.
Contratista	Guy F. Atkinson Construction LLC
Otras empresas participantes	Apex Rockfall, LLC
Situación inicial	<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>
Descripción	<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>
Objeto protegido	Cantera/ Mina, Infraestructura
Otras aplicaciones instaladas	Protección contra caídas de rocas, Minería / Túneles
Protección contra la corrosión	Galvanizado, GEOBRUGG SUPERCOATING
Geología	Granite
Área estabilizada	10600 m²
Altura del talud	96 m
Inclinación del talud	80 ° - 90 °
Exposición	Norte

Si tiene preguntas por favor póngase en contacto con nuestro especialista Geobrugg en su área

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