

A photograph of a grassy hillside with a power line tower in the background. The hillside is covered in green grass and some patches of bare soil. A power line tower is visible in the distance, and there are trees on the left and right sides of the hill.

NATURAL GAS PIPELINE PROJECT CENTRAL TENNESSEE, ESTADOS UNIDOS

Estabilização de taludes

Natural Gas Pipeline Project Central Tennessee

Estabilização de taludes

Projeto	Natural Gas Pipeline Project Central Tennessee
Lugar	Forest Hills, TN
País	Estados Unidos
Ano de instalação	2014
Promotor	Energy Company
Empreiteiro	Civil: Fisher & Arnold Inc. / Geotechnical: TTL Inc. / Design & Build Slope Stabilization Engineer: Teasley Services Group LLC
Contratante	General Contractor: Sheehan Pipe Line Construction Co.
Outras empresas envolvidas	Geotechnical Stabilization Contractor: Geofirma LLC
Situação inicial	<p>Natural Gas pipeline installed involving clearing of slopes and covering a 20 in transmission line. The two slopes detailed on this project needed stabilizing to protect the integrity of the transmission line, personal property and the public from a slope failure. The solution required a cost effective system that could meet site challenges and provide safe, eco friendly slopes.</p> <p>The nailed (anchored) TECCO® System effectively stabilized the slopes protecting the integrity of the natural gas pipeline, property and the public. The revegetated slope looks great and is eco-friendly. Grooming of the slope is not a problem and animals can easily traverse the mitigated area.</p>
Descrição	<p>The solution was 82 000 ft² of anchored TECCO® System utilizing TECCO® G65/3 and P33/40 spike plates. Challenges for design and implementation included access to the top of the slope. This was accomplished using a light weight, modular wagon drill for the top down TECCO® installation. The pipeline had to be considered during design with anchors strategically placed around the pipeline. Cathodic protection was ensured with properly grouted anchors and installing sleeves through the TECCO® mesh for wiring.</p>
Objecto protegido	Estrada, Área residencial, Infra-estrutura, Outros
Proteção contra a corrosão	GEOBRUGG SUPERCOATING
Geologia	Residual soil/colluvium
Área estabilizada	7620 m²
revegetação	Sim
Exposição	Norte

Em caso de dúvidas por favor contacte com nosso especialista Geobrugg na sua área

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