



PipeSak® Pipeline Protection

Technical Notes

Depth Of Cover For PipeSak® Weights

DEPTH OF COVER

The low-profile design of PipeSak® pipeline weights allow for a low depth of cover.

Pipeline installation specifications often call for the depth of cover to be measured from the top of the pipe or any buried appurtenance like valves, fittings, or concrete weights. The lower the depth of cover required, the less digging, less time, and less labor needed. A shallower trench could also be considered safer during the time of construction.

Over the life of a pipeline, if anything from the surface (ex. a farmer's plow or third-party excavator) contacts a concrete pipeline weight underground, there is a likelihood the weight will be tipped, damaging the pipe.

Upon impact from the surface, force is not transferred into the pipeline as PipeSak® geotextile pipeline weights are soft with only webbing, fabric, and loose gravel exposed to a potential contact compared to a solid concrete weight that could move and cause damage to the pipe. PipeSak® weights could be considered an advanced warning system for anyone digging too close to a pipe.

The low-profile design also makes installing PipeSak® weights safe and simple: Fill the PipeSak® weight with aggregate from a local source, distribute along the right of way, place the weight onto the pipeline, and then back-fill. PipeSak® weights can be installed with a single lift hook and can be released without workers in the trench.

