



# BENEFITS OF HOLLOW STEM AUGER DRILLING

## WHAT IS HOLLOW STEM AUGER DRILLING?

Used for both environmental and geotechnical applications, hollow stem auger (HSA) drilling is a proven and relatively cost-effective drilling technique. Commonly implemented for soil and groundwater sampling, installation of monitoring wells and data collection instruments, along with subsurface improvements, HSA drilling employs flighted tubing (augers), and a rotating cutter head in order to advance through formations. Various cutter heads can be used based on varying geologies.

The hollow stem acts as a temporary casing, keeping bore holes from caving and allowing for environmental sample collection free from outside contamination. Augers can be equipped with geotechnical samplers and continuous coring samplers.



## BENEFITS OF HSA DRILLING:

- Drills through unconsolidated alluvial deposits.
- Uses no additives such as mud, making it great for environmental applications.
- Capable of reaching depths up to 450 feet.
- High productivity in setting wells.
- Convertible for multiple applications on a single job.

Cascade offers a full range of drill rigs and support vehicles including truck mounted, limited access, and specialty equipment nationwide.



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