



## Vertical Wick Drains



**Vertical Wick Drains are a cost-effective solution for accelerating the consolidation of fine-grained soils to expedite construction and limit long-term settlement. Used in combination with pre-loading, Vertical Wick Drains evacuate pore water from soft, compressible soils to induce consolidation and settlement. This allows construction to begin in one to three months instead of up to 12 months or longer. Using Wick Drains as a drainage path to reduce the water content also strengthens the underlying soil to accommodate superimposed loads and minimize future settlement.**

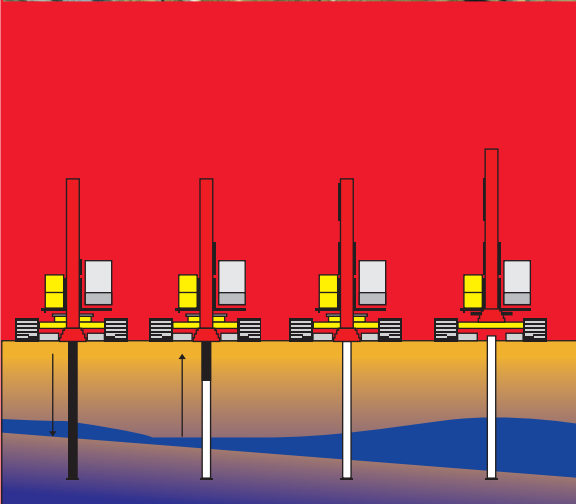
### Vertical Wick Drain Applications

- Buildings
- Warehouses
- Storage Tanks
- Bridge Abutments
- Roadway Embankments
- Roads
- MSE Retaining Walls
- Airport Runways
- Marine Terminals
- Dams
- Levees
- Waste Sites

### Menard Vertical Wick Drains

Menard uses state-of-the-art Vertical Wick Drains designed with high water flow capacity, high-resistance filtration properties and durable construction. The company has developed its own range of Vertical Wick Drain installation equipment to meet a wide variety of soil and site conditions. The company uses static and vibratory methods to install Vertical Wick Drains and has considerable experience in penetrating difficult surface layers including preaugering through stiff clays and special downhole drilling to penetrate rubble, concrete, slag and other types of fill. Menard has angled Wick Drains up to 30 degrees and installed Wick Drains in low headroom areas.

Menard pioneered Vertical Wick Drains in the US and has successfully completed more than 800 Vertical Wick Drain projects worldwide, ranging from as small as 2,000 linear feet to well over 60 million feet.



*Vertical Wick Drains, also known as Prefabricated Vertical Drains or PV Drains, consist of a plastic core wrapped in geotextile fabric. Vertical Wick Drains greatly reduce the distance the water must move to reach a free drainage path; greatly decreasing time of settlement.*

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