



DeWAAL PILE SYSTEM

Drilled, Full Displacement Foundation
Cast-In-Place Concrete Pile

Field-Proven Installation
Patented Drilled Displacement System
Successfully Installed Since 1992



MORRIS-SHEA

High Quality Deep Foundation



SAFER, FASTER, ECONOMICAL PILE

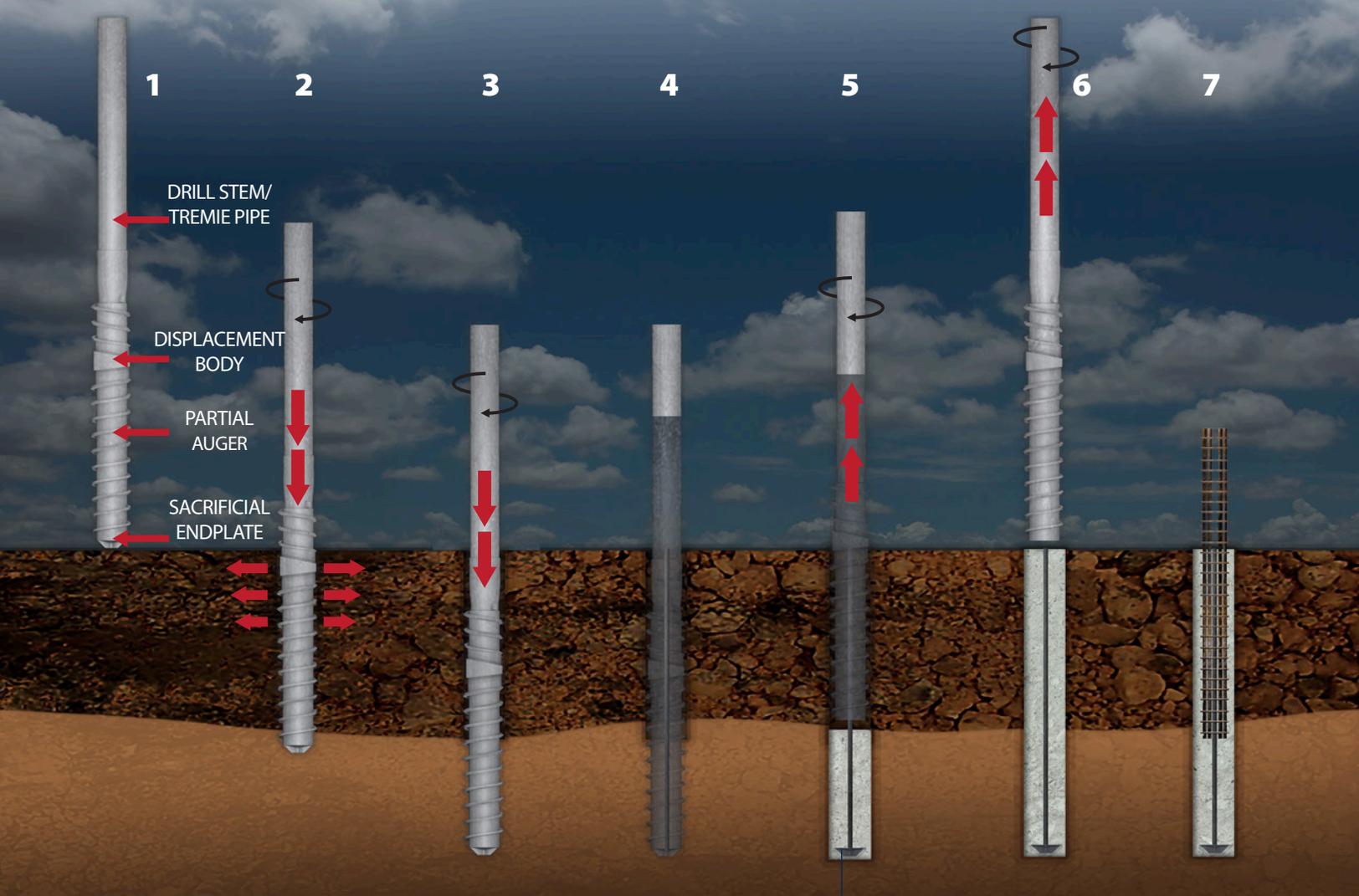
Morris-Shea has designed and installed hundreds of thousands of DeWaal Piles for projects throughout North America and the Caribbean. This system minimizes drilling spoils and can be installed in areas with noise and vibration restrictions. DeWaal Pile diameters range from 12 to 24 inches and lengths routinely exceed 100 feet to a maximum of 180 feet. All aspects of the drilling process and concrete placement are recorded and archived by the Morris-Shea Automated Monitoring Equipment System. Morris-Shea is the U.S. patent holder and sole licensee for DeWaal Piles in the Western Hemisphere.

DeWAAL PERFORMANCE:

- REDUCES MATERIAL EXPENSE
- INCREASES PRODUCTION RATES
- IMPROVED LOAD CAPACITY
- ELIMINATES SPOILS DISPOSAL



Morris-Shea installs DeWaal Pile System at a refinery expansion in Baytown, Texas.



DeWAAL PILE INSTALLATION METHOD

- #1: Position DeWaal tooling over pile point and attach sacrificial endplate.
- #2: Advance DeWaal tooling by rotating clockwise and applying crowd force. Note that all material is displaced laterally. DeWaalPile installation does not create spoils or vibration.
- #3: Penetrate into bearing layer as specified.
- #4: Place full length center reinforcing bar into tremie, then pump tremie full of concrete to a level above the ground.
- #5: Withdraw DeWaal tooling using clockwise rotation while maintaining the concrete level within the tremie. Note that the sacrificial endplate remains at the pile tip.
- #6: Upon withdrawal of the DeWaal tooling, clean pile head of debris.
- #7: Insert additional reinforcing steel as required to satisfy the specified pile load requirements.



Morris-Shea DeWaal Pile drilled displacement tool

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