



NEWSLETTER

OCTOBER 2026

ISSUE #09

CHADWELL ROAD – CHALLENGING THE ORIGINAL DESIGN

At Chadwell Road in Grays, the original design proposed trench fill foundations with excavations of up to 1.35m through predominantly loose granular soils. Mostrim Groundworks Limited asked us to review the approach and consider whether a more suitable solution could be developed.

Following our engineering assessment, we designed a 373m² non-voided piled raft solution, transferring the building loads beyond the weaker near-surface soils and avoiding the need for deeper trench fill excavation. [Read more.](#)



CHESHUNT PARK FARM – BUILDING ON BROWNFIELD GROUND

We've been working with Futura Homes Ltd on Phase 1 at Cheshunt Park Farm, delivering 23 piled rafts across approximately 2,561m² for 24 new homes. The site presented a varied ground profile, including Made Ground overlying Dollis Hill Gravel and London Clay, requiring a foundation solution designed around the specific conditions. Our team is delivering the works within a 12-week programme, and we've just had the drone up on site so look out for an incoming video soon! [Read more.](#)

TEMPLARS GREEN – DELIVERING AT SCALE

At Templars Green in Baldock, we delivered 2,516m² of piled raft foundations across 31 rafts for 42 homes, with the site's chalk ground conditions forming a key consideration in the foundation design. The project was completed within a 10-week programme, demonstrating how a carefully engineered piled raft solution can be delivered efficiently at scale, while providing a foundation system suited to the ground conditions on site. [Watch the video today.](#)



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WHAT DOES A HIGH WATER TABLE ACTUALLY MEAN FOR FOUNDATION DESIGN?

Groundwater isn't simply a construction nuisance. Where it sits relative to the proposed foundation level can influence excavation stability, temporary works, dewatering requirements, programme and ultimately the most appropriate foundation solution.

Our updated technical guide looks at the engineering considerations when shallow groundwater is present and why understanding groundwater conditions early can prevent expensive problems later.

[Read the full high water table guide here](#)



PILED RAFT FOUNDATIONS: HOW THE SYSTEM WORKS TOGETHER

When does a piled raft make sense? How does pile length affect the solution? What's the difference between voided and non-voided rafts? Our latest technical guide looks at the engineering considerations behind piled raft design and how those decisions change from site to site.

[Read the piled raft foundations guide](#)



A SUMMER WELL SPENT

It's not all foundations and spreadsheets! This summer, the SPEEDECK team took some time away from site and the office to enjoy our annual summer party, starting off with some games at Fairgame and then moving into Shoreditch for the evening. It was a great opportunity to get everyone together, relax, have some fun and celebrate the hard work that goes into keeping our projects moving.

