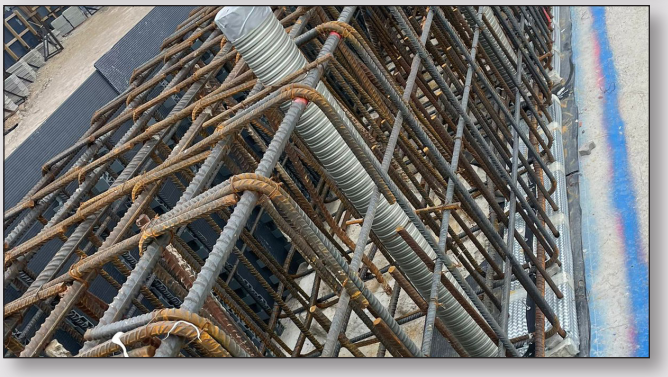
CASE STUDY

MALT STREET

OLD KENT ROAD, LONDON



This project transforms an industrial site and features eleven buildings with up to 44 storeys, offering 1,300 homes, industrial and commercial spaces.

THE CHALLENGE

- Groundworkers often face the challenge of achieving thorough concrete compaction within the liner wall, especially to the underside of the capping beam, where proper encapsulation around the water bar is required.
- When using a letterbox shutter during the concrete pour of the liner wall, it's particularly difficult to ensure concrete reaches all the way to the underside of the capping beam.

THE SOLUTION

- Our solution involves using a method similar to 'Tremie pipes'. This involves installing vertical pipes with diameters of 100-125mm through the Rebar cage of the capping beam, which are then cast in situ within the concrete pour of the capping beam.
- This technique allows concrete to be poured vertically at various points along the capping beam. By filling up the pipe and using a concrete vibration poker, the concrete can efficiently fill the shuttered liner wall up to the underside of the capping beam.

COMPANIES INVOLVED:

- **Architect:** Peter Taylor Associates
- **Structural Engineer:** Walsh Associates
- **Main Contractor:** Berkeley Homes
- **Groundworks Contractor:** Ground Construction

SYSTEM INSTALLED:

Type A
Maxiprufe Plus
Type B
Hydrocrete

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PREMCRETE