

Framing the perfect RC view over Poole Marina for Taylor Woodrow



For its impressive new coastal project in Dorset, Taylor Woodrow Developments turned to J Devine to handle the complex infrastructure, groundworks and RC frameworks...

Shapwick Road in Poole is an elegant development of apartments, penthouses and townhouses overlooking Poole Marina.

J Devine was contracted by Taylor Woodrow Developments to undertake infrastructure, groundworks and RC frameworks for the site, comprising 5 individual buildings, each between 3 and 5 storeys, with a first floor slab on columns off concrete footings to 2 of these buildings. The remainder of the superstructure was timber frame with brick cladding.

The main RC works consisted of 2 large first floor podiums on columns and walls with car parking beneath, constructed off piled foundations. At 4,100m² and 7,200m², each podium contained 4 stair/lift cores to between 3 and 6 storeys.

The groundworks and RC frameworks were carried out over a 12 month period and involved 10,500m³ of muckaway, 2,500m³ of mass concrete, 10,500m³ of reinforced concrete and 1,500 tonnes of steel reinforcement, along with 25,000m² of formwork and decking. The substructure was mostly constructed using excavators and two 50 tonne crawler cranes with 37m fly jib, while during the later stages of construction two tower cranes were utilised.

Works were managed on site by a resident Project Manager and team of engineers and foreman, all working closely with Taylor Woodrow throughout the project.



Shapwick Statistics

- > 5 individual buildings between 3 to 5 storeys high.
- > 2 large first floor podiums on columns and walls made up the main RC frameworks. These were 7,200m² and 4,100m² in area and contained 4 stair/lift cores.
- > 10,500m³ of muckaway, 2,500m³ of mass concrete, 10,500m³ of reinforced concrete and 1,500 tonnes of steel reinforcement were involved in the groundworks and RC frameworks.
- > 25,000m² of formwork and decking was required.
- > 10 stormwater storage cells were included in the infrastructure works, along with 1,000m of adoptable drainage and a further 5,000m of domestic drainage.
- > The overall site was 35,000m².

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