



ARCADIA DEVELOPMENT

Infrastructure Development for 9 acre greenfield site

Client: Arcadia Developments Ltd

SUMMARY:

Value: €18 million

Architect: John Neill Partnership

Status: Complete

Services Provided:

Detailed Design

Construction Supervision

The Arcadia development involved the construction of 13,000 m² of retail, offices, neighbourhood and restaurant buildings on a 9 acre (3.65ha) greenfield site at a contract value of 18 m Euro.

Ground conditions were difficult & involved a combination of conventional, vibro stone, concrete trench fill and steel pile foundations. To minimise excavation off site ground stabilisation using lime was employed for the car park & roads. Floors were laid to a FM2 category using steel fibre reinforcement & laser controlled pavers.

Stormwater from the site was kept to the greenfield runoff levels using a series of attenuation tanks & hydrobrakes. Foul sewers were laid to an extensively refurbished pumping station, complete with telemetry & storm holding tank.

The slip road from the Athlone bypass was widened to accommodate a new left turning lane. The provision of a new roundabout and widening of perimeter roads to accept dedicated turning lanes were also undertaken.



Nicholas O'Dwyer
CONSULTING ENGINEERS