



Project : Airbus – A350 Wing Assembly Building, Broughton

Client: Morgan Sindall

Total Project Value: £100 Million

Subcontract Value: £28.3 Million

Commenced: December 2007



Duration: 147 Weeks

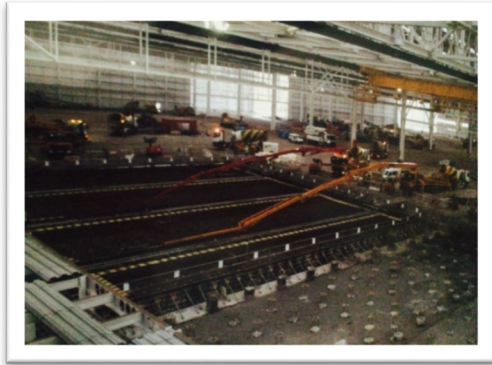
Scope: Large enabling works package consisting of installation of 1.5m diameter pipes over 400m length in total, to form attenuation which was then pumped over a rising main to a bespoke lagoon constructed out of vinyl sheet piles. Full groundworks package then to build new wing manufacturing facility.



Murraywood received various awards for Innovation, Integration and Collaborative Working, Safety, and Environment during this project. Overall the project received a 'Very Good' award from CEEQUAL.

- Installation of 1.5m diameter plastic pipes with 2.5m diameter manholes every 70m acting as attenuation system.
- Installation of large pumping chamber with 450mm cast iron rising main to pump storm water from attenuation system.
- Installation of 6m length vinyl interlocking sheet piles, protruding 2.5m out of the ground to form specialist lagoon storage.
- 80,000m² piling mat installation and maintenance.





- Pile cropping and construction of pile caps and ground beams.
- Installation of foul and surface water drainage system with associated interceptor tanks.
- Precision tolerance internal machine bases.
- Precision tolerance reinforced concrete floor slabs.
- External services including sprinkler main, fire hydrant main, HV cables, communications and data ducting etc.
- Within the building in excess of 4,000T of reinforcement was placed, over 33,000m³ of concrete cast, with the largest single pour of concrete being 1,850m³ over a 14 hour period!