



DYER & BUTLER

Case Study
Gunwharf Quays Drainage



THE SUCCESS OF THE PROJECT
WAS FOUNDED ON



Client: Gunwharf Quays Management Limited

Duration: April 2006 - March 2008

Location: Portsmouth, Hampshire

Form of Contract: ICE 7th Edition

Value: £850k



Civil Engineering and Building

CASE STUDY

GUNWHARF QUAYS DRAINAGE

- Gunwharf Quays is on a former Royal Navy establishment, which operated as HMS v Vernon until 1992
- The Gunwharf quays commercial development which has been operating from 2001 is a vibrant shopping and entertainment centre, and the weekly footfall can be in excess of 120,000 people.
- Beneath the retail and entertainment area are two levels of Underground Car park, with spaces for 1,500 cars.
- The works consisted of structural repairs to a concrete support column within the car park, Provision of additional drainage to the promenade deck area to reduce perched water which had caused leaks into the car park below.
- Provision of additional Surface water drainage within the soffit of the car park to relieve the perched water within the promenade areas
Improvements to the existing waterproof installation
- Lifting and relaying of the existing slabs and relaying to an improved specification, and to an improved drainage crossfall
- Installation of movement joints.
- All of the work had to be phased around the peak retail periods such as school holidays etc in order to mitigate any affects on the normal day to day business.
- Although work was occasionally carried out at night this was not always the quietest of periods within Gunwharf due to the abundant night life that prevailed .

HEAD OFFICE

Mead House Station Road Nursling
Southampton SO16 0AH

Tel: 023 8074 2222

Fax: 023 8074 2200

enquiries@dyerandbutler.co.uk

www.dyerandbutler.co.uk

PLYMOUTH

Tel: 01364 646140

Fax: 01364 646149

enquiries.plymouth@dyerandbutler.co.uk

GATWICK

Tel: 01293 567153

Fax: 01293 569182

enquiries.gatwick@dyerandbutler.co.uk

HEATHROW

Tel: 020 8759 8634

Fax: 020 8759 1578

enquiries.heathrow@dyerandbutler.co.uk

STANSTED

Tel: 01279 682230

Fax: 01279 682231

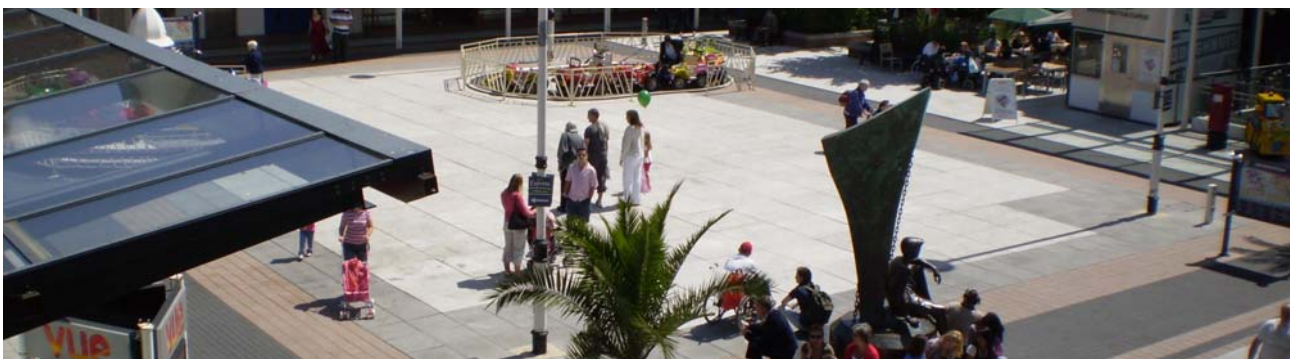
enquiries.stansted@dyerandbutler.co.uk

SWANSEA

Tel: 01792 465937

Fax: 01792 466123

enquiries.swansea@dyerandbutler.co.uk



Multi-disciplinary
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