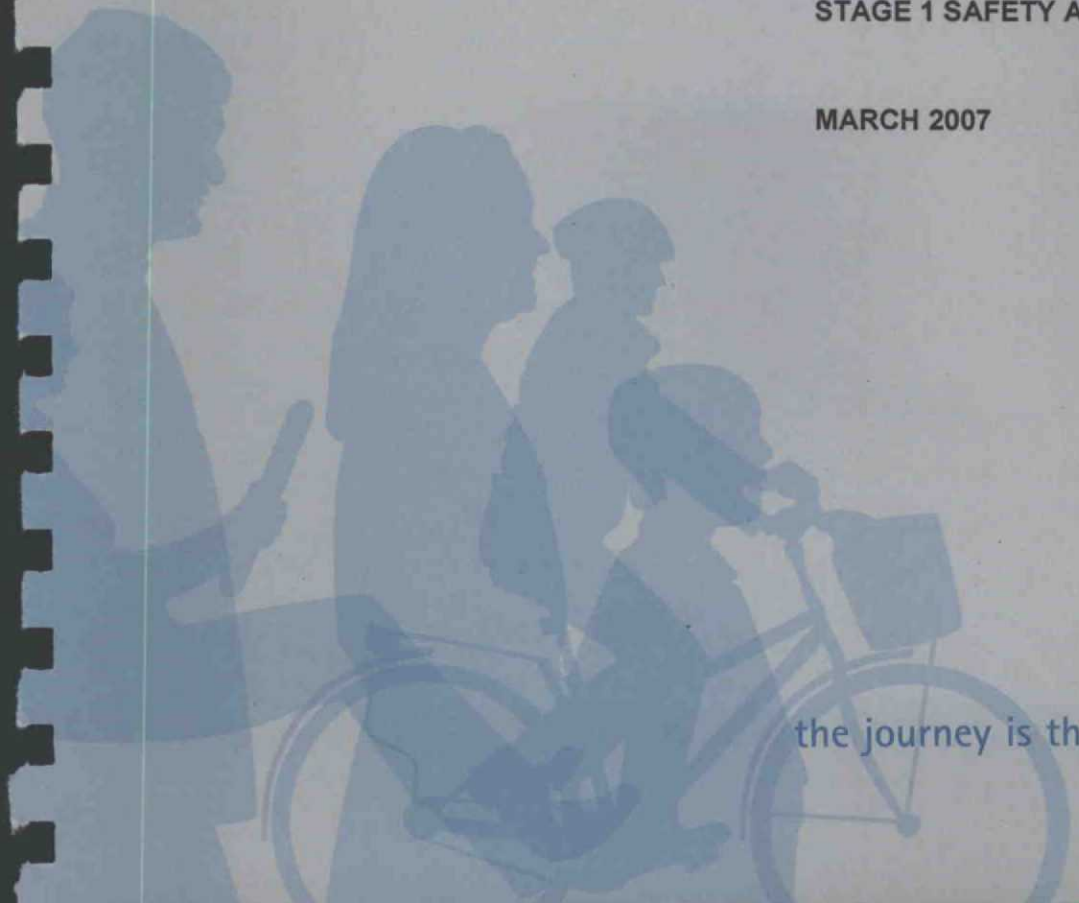
# PROPOSED COMMERCIAL REDEVELOPMENT
# DOLPHIN ROAD
# SHOREHAM-BY-SEA
# ACCESS ARRANGEMENTS

## STAGE 1 SAFETY AUDIT

**MARCH 2007**



the journey is the reward

# PROPOSED COMMERCIAL REDEVELOPMENT
# DOLPHIN ROAD
# SHOREHAM-BY-SEA
# ACCESS ARRANGEMENTS

## STAGE 1 SAFETY AUDIT

## MARCH 2007

| | |
|---|---|
| **Project Code:** | HARSHOREHAM |
| **Prepared by:** | JOHN REID |
| **Position:** | Technical Director |
| **Approved by:** | JFR/AP |
| **Issue Date:** | 30th. March 2007 |
| **Status:** | FINAL |

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**DOLPHIN ROAD**
**SHOREHAM-BY-SEA**

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**DOLPHIN ROAD**
**SHOREHAM-BY-SEA**

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**Figure 1.0** Site Location Plan

**Figure 2.0** Reference Plan


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**Appendix A** Summary CV for J F Reid

## 1.0 INTRODUCTION

**1.1** This report results from a Stage 1 Road Safety Audit carried out on Friday 30th March 2007

**1.2** A site location plan is appended to this report as Figure 1.

**1.3** A site inspection was carried out by the Audit team Leader on Friday 23rd march 2007 from 14.00 hours onwards

**1.4** The weather was overcast with showers.

**1.5** Traffic conditions were very light.

**1.6** The audit was carried out on the instructions of Mayer Brown Transportation Planning Section – Woking Office, at the request of West Sussex County Council.

**1.7** The terms of reference of the audit are as set out in Department for Transport Document HD 19/03. Cognisance has also been taken of guidelines for reducing mobility handicaps. The writers have examined and reported only on road safety implications of the scheme as presented and have not examined or identified the compliance of the design to any other criteria.

**1.8** The audit is concerned only with the highways that are to be the subject of adoption by the Highway Authority.

**1.9** The proposals are to demolish existing commercial buildings fronting on to Dolphin road and Dolphin Way and to construct ten new commercial units fronting onto Dolphin Way. Very minor modifications are proposed to the existing Dolphin Road / Dolphin Way junction.

**1.10** The proposals which are the subject of this audit are shown on the following drawing/s

- Hargeaves. Job number SHDR-26 Drawing number 01

**1.11** For ease of reference, a reduced scale copy of the above mentioned drawing is appended to this report.

**1.12** Whilst recommendations have been within this report, there may be equally satisfactory alternatives.

**1.13** The auditors will be pleased to consider alternatives if required.

## 2.0 QUALIFICATIONS AND EXPERIENCE OF THE REPORT WRITERS

**2.1** This Audit has been carried out by the following:

J F REID MSc. Dip.H.T.E, MIHT, MITAI — Audit Team Leader
Technical Director (Safety)
Mayer Brown Limited.

A PHILPOTT BEng (Hons) MIHT
Associate
Mayer Brown Limited

**2.2** A summary of the team leader's qualifications and experience is appended to this report

## 3.0 MATTERS ARISING FROM THIS AUDIT

**Departures from Standards**

3.1 The Writers are not notified of any departures from standards.

**Service Provision.**

3.2 Problem. New service provision may be required for the proposed development.

3.3 Recommendation. Ensure that any inspection chambers or manholes are located;

i) Where attendant vehicles and personnel will not create a hazard for themselves or other road users.
ii) Where they will not be traversed by two-wheeled vehicles during turning manoeuvres.
iii) Ensure lighting provision is to current design standards

**New / Existing Road Interface**

3.4 Problem. This is a minor problem which may be addressed at the Stage 2 audit. An existing lighting column on Dolphin Way may obstruct egress from the loading area in front of the proposed Unit 6

3.5 Recommendation. If appropriate relocate lighting column.

**Non-motorised users.**

3.6 Problem. General. No tactile paving is currently installed at other junctions along Dolphin Road.

3.7 Recommendation. If it is the Local highway Authority to provide tactile paving in this vicinity generally in the foreseeable future, the opportunity could be taken to provide tactile paving at the Dolphin Road /Dolphin Way junction.

3.8 Problem. This is a minor problem which may be addressed at the Stage 2 audit. An existing gulley grating on the west side of Dolphin Way will coincide with the dropped kerb for the pedestrians to cross dolphin Way, this could result in a trip hazard.

3.9 Recommendation. Relocate gulley clear of dropped crossing.

## 4.0 AUDIT TEAM STATEMENT

**4.1** We certify that we have examined the drawings and documents listed in this report. The examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified in order to improve the safety of the scheme. The problems identified have been notified in this report together with associated safety improvement suggestions, which we recommend should be considered for implementation. The writers have not been involved with the scheme design.

Signed [redacted] ..... J F Reid (Audit Team Leader)

Date 30th March 2007

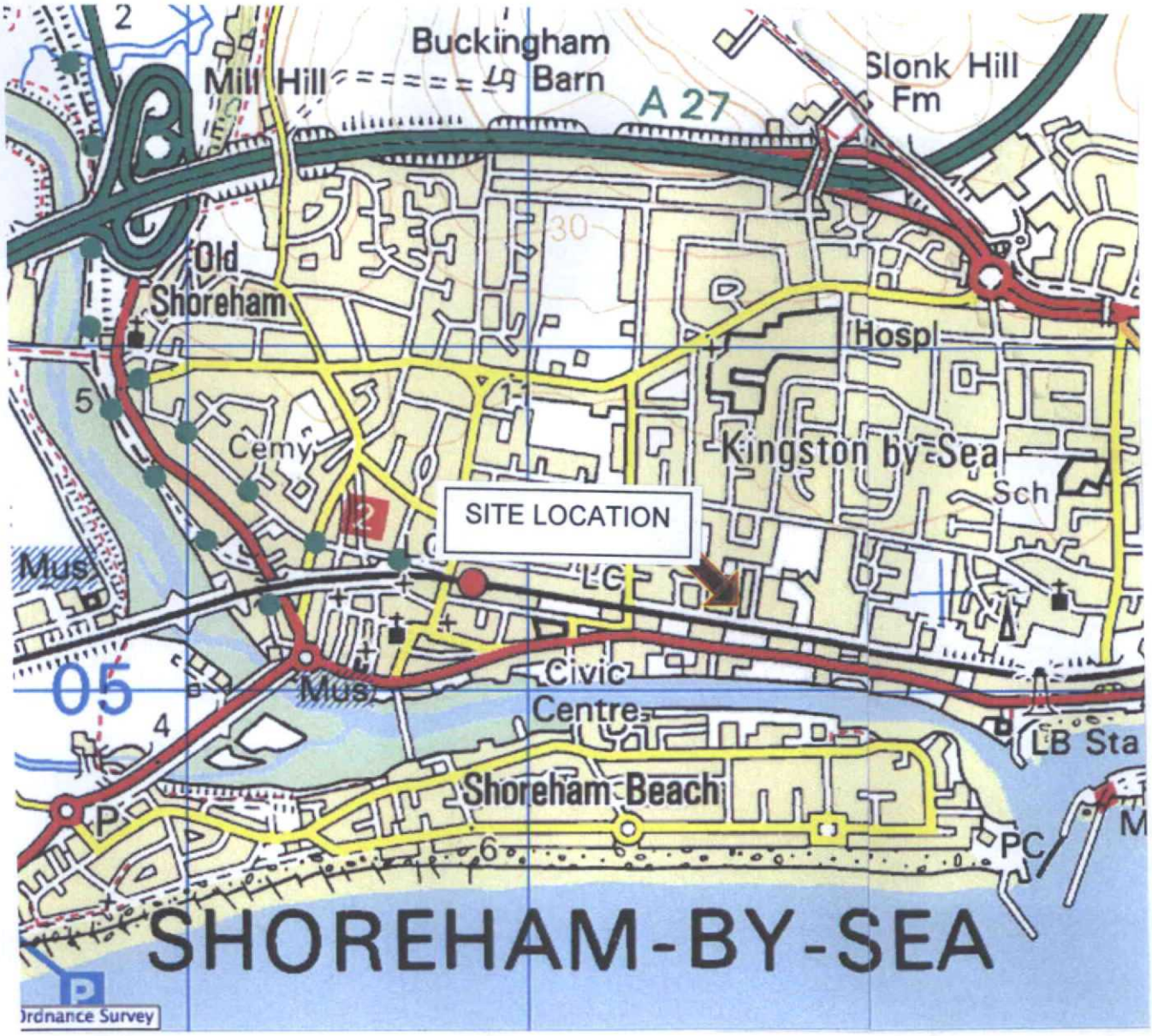

Buckingham Barn
Mill Hill
A 27
Slonk Hill Fm
Old Shoreham
Hospl
Cemy
Kingston by Sea
Sch
SITE LOCATION
Mus
LC
Civic Centre
Shoreham Beach
LB Sta
PC
SHOREHAM-BY-SEA
Ordnance Survey

FIGURE 1

FIGURE 2

Site Plan 1:500

Location Plan 1:1250

Floor Plan 1:200

South Elevation (From Dolphin Road) 1:200

East Elevation (From Dolphin Way) 1:200

West Elevation 1:200

North Elevation

Dolphin Road.

Railway Line.

Dolphin Way.

Unit 1. Unit 2. Unit 3. Unit 4. Unit 5. Unit 6. Unit 7. Unit 8. Unit 9. Unit 10.

Loading Area

Parking

Ent

SITE

DOLPHIN WAY

Dolphin Road.

26, Dolphin Road
Shoreham-By-Sea,
West Sussex.
Plans & Elevations Of
Outline Proposal
For Redevelopment As B1

**APPENDIX A**

Summary CV for J F Reid

| | | |
|---|---|---|
| **JOHN REID** | **TECHNICAL DIRECTOR** | |
| YEAR OF BIRTH | 1943 | |
| EDUCATION AND QUALIFICATIONS | MSc | Master of Science in Road Safety Engineering |
| | Dip.HTE | Post Graduate Diploma in Highway and Traffic Engineering |
| | HNC | Higher National Certificate in Civil Engineering |
| | MIHT | Member of the Institution of Highways and Transportation |
| | MITAI | Member of the Institute of Traffic Accident Investigators |

Registered with The Law Society as an approved Expert Witness

**EXPERIENCE**

**General.** John has some thirty years experience in the fields of road accident investigation and remedial engineering.
The research dissertation for his Masters Degree involved the analysis of road accident data in relation to Highway Design characteristics.
He has acted as Team Leader for the preparation of over 1300 Safety Audit reports as Audit Team Leader. In 2006 John was Audit Team Leader for in excess of 100 audits for a wide variety of schemes including Stage 3 Audits with joint Highway Authority and Police inspections.
He has submitted Safety Reports to over fifty Highway Authorities throughout England, Wales, Northern Ireland and the Irish Republic.
As an Expert Witness he has prepared some 500 accident investigation reports submitted as evidence in criminal trials and civil litigation.

He has attended numerous events providing CPD in the fields of safety audit and accident investigation. Including:-

- ROSPA Accident Remedial Engineering Course
- In recent months:-
- Advanced Safety Auditing – 3 day course/seminar
- International Conference on Safety Auditing
- International Conference on Vehicular Speed Management
- Conference on motor cycle safety
- Seminar on draft Manual for Streets

November 2004 to present **MAYER BROWN LTD - Technical Director.**

Head of Road Safety Team.
Responsible for the preparation of independent Safety Audit reports
Responsible for the preparation of accident investigation reports and the presentation of oral evidence as Expert Witness.
Expert Defence witness on behalf of Local Highway Authorities.

August 1994 – November 2004

**DENIS WILSON PARTNERSHIP - Associate Director**
Responsible for the preparation of independent Safety Audit Reports and Accident Reconstruction reports.

The Audit Reports were prepared in accordance with Highways Agency guidelines (HD19/03).

Audit reports for Stage 1, Stage 2 and Stage 3 audits which have been submitted to more than 40 Highway Authorities throughout the UK and Ireland.

Liaised as required with the respective Local Authority officers and carried out numerous Stage 3 Audits in the company of Local Authority officers to maintain an awareness of current practices in relation to accident prevention and remedial measures.

Retained as Defence Expert on behalf of a number of Highway Authorities defending claims in relation to their procedures and practices concerning accident analysis, the implementation of remedial measures and the conduct of safety audits.

Prepared Audit Reports on the instructions of:

- Various Design Offices within the Denis Wilson Partnership
- Numerous other Design Consultancies in the UK and the Republic of Ireland
- Local Highway Authorities

Analysis of accident data to identify patterns of causative factors to be addressed during the preparation of schemes to modify existing highway layouts.

Instructed on numerous occasions by the legal profession to prepare accident reconstruction reports to be used in evidence at both civil and criminal trials.

As an expert Witness, presented oral evidence, at all levels of civil and criminal Courts.

1991- 1994

**KENNEDY AND DONKIN TRANSPORTATION - Principal Engineer.**

Responsible for the conduct of all the company's accident reconstruction reports. Also responsible for the Safety Audits of major trunk road schemes designed by other

Consultancies. Preparation of reports on road/railway crossing accidents in the UK and the Irish Republic.

Accident analysis and the design of numerous accident remedial schemes for Local Authorities.

Responsible for the safety aspects of the design of the on-street running facilities for a proposed new tramway in Manchester.

Co-ordination of Emergency Services requirements for a proposed 800m long tunnel on London's North Circular Road.

1974 -1991

**NORFOLK COUNTY COUNCIL - Accident Studies Officer.**

Responsible for the analysis of police accident records to identify accident cluster sites. Responsible for the identification of dominant accident factors. Design and implementation of cost effective accident remedial measures. Presentation of evidence at Coroners Court in relation to highway design and maintenance aspects of fatal accidents.

Presentation of Evidence on behalf of Highways Department in High Court action against the Local Authority.

Day to day liaison with the Norfolk Constabulary Traffic Department.

Regular contributor to Norfolk Constabulary Accident Investigation courses, presenting the role of highway engineering in accident investigation and prevention.

Investigation and treatment of safety hazards identified by Police Traffic Patrol Officers.

Responsible for establishing a system of safety auditing. Conduct of over 200 Safety Audits.

Co-founder of the Eastern Regional Group for the exchange of information on best practice and innovative accident remedial engineering measures.

Norfolk Highways Department's representative, together with Senior Police Officers on the Eastern region working party co-ordinating policy and resources towards national accident reduction target.

1961 -1974

A variety of posts of increasing responsibility within Local Authorities concerned with the planning, design and construction of a wide variety of road traffic related projects.