



Hawthorn Consulting Engineers
Proprietary Limited
A.C.N. 070 562 300
As trustee for H C Unit Trust
A.B.N. 63 550 571 828

Structural, Civil, Fire
& Services Engineering
Feasibility & Cost Studies
Building Consultants
Building Certification
Project Management

437 Canterbury Road
Surrey Hills Victoria 3127
Telephone: (03) 9836 3744
Facsimile: (03) 9836 3788
Email: hce@hawcon.com.au
Web: www.hawcon.com.au

HAWTHORN CONSULTING ENGINEERS

PROPRIETARY LIMITED

SEPTEMBER 2008



BACKGROUND - HAWTHORN CONSULTING ENGINEERS

The Hawthorn Consulting Group was founded in 1978 by Lynton Reid and John Juers. They were to prove a successful combination, with Lynton's strong background as a principal of a medium-size firm of consulting structural engineers, complemented by John's design experience in the industry.

Hawthorn Consulting Engineers provides building industry consulting services to a wide cross-section of clients including insurance loss adjusters, architects, government authorities and land developers.

Although initially specialising in structural and civil engineering, including insurance industry services safety reports and subdivisional work, the Practice has steadily expanded its services to meet the increased demands of today's sophisticated building industry.

This has resulted in the establishment of such in-house skills and services as feasibility studies, town planning advice, hazardous goods assessments, project management, building consultancy and certification.

Today, Hawthorn Consulting Engineers operates from the ground floor of modern office premises at 437 Canterbury Road, Surrey Hills and continues to provide its clients with a full range of professional building and development industry services.



HAWTHORN CONSULTING ENGINEERS Proprietary Limited

Managing Director: **John Juers**, Dip. Civ. Eng., M.I.E. (Aust),
NPER3, C.P. Eng., A.A.F.P.A., Registered Building
Practitioner (Civil Eng.)

Director: **Steven Shannon** B.Eng (Civil), M.I.E. (Aust),
NPER3, C.P. Eng., Registered Building Practitioner
(Civil Eng.)

Senior Consultant: **Lynton J. Reid**, M.Sc. (Building), Dip. Civ.
Eng., M.I.E. (Aust), C.P. Eng, Registered Building
Practitioner (Civil Eng.), Registered Building
Practitioner (Builder - Construction)

Structural Engineer **Harry Giofkou**, B.E. Civil, M.I.E. (Aust)

Manager - Drafting: **Brendan Roeschmann**, Cert. III Eng Tech

Profile:

Under the direction of principal, John Juers, Hawthorn Consulting Engineers has operated since 1978 as an independent consulting practice offering the expertise of in-house professional engineers and other technical disciplines all of whom are registered with the State Building Practitioners Board. The practice concentrates on both civil and structural work, and is thoroughly conversant with the design and documentation of all servicing required by building projects.

Hawthorn Consulting Engineers recognises that Development Clients are increasingly demanding a one-stop-shop for professional services and it has expanded to now assist clients with advice on such matters as feasibility studies, town planning and building surveying. Most skills are maintained in-house, however, Hawthorn Consulting Engineers is prepared to act as project manager, and recommend or co-ordinate outside specialist consultants as required.

Services:

- Feasibility and Cost Studies
- Town Planning Advice
- Civil Engineering
- Structural Engineering
- Regulatory Advice and Authority Submissions
- Building Approval Certification
- Project Management
- Building Condition Reports
- Technical Reports
- Insurance Industry Services
- Litigation/Arbitration



HAWTHORN CONSULTING ENGINEERS SERVICES

STRUCTURAL ENGINEERING

Hawthorn Consulting Engineers has successfully undertaken the structural design and documentation of projects ranging from single beam and lintel design through to multi storey buildings in Melbourne's Central Business District. Extensive use is made of the latest computer design aids with our in-house computer system and all engineers and draftspersons are registered as building practitioners under Part 2 of the Building Act 1993.

Building types undertaken have included multi-storey car parks, offices, swimming pool complexes, and a great number of specialized industrial buildings. Similarly design criteria have required the use of most construction techniques including portal frame, tilt-slab, load-bearing brickwork, reinforced concrete, structural steel and timber construction.

Services:

- Computer Aided Drafting
- Structural Design and Documentation
- Technical Reports
- Engineering Certification

RESIDENTIAL:

Hawthorn Consulting Engineers has always maintained a strong work flow in both small and large residential projects and has particular experience in renovation projects. Previous municipal experience and in-house building expertise assists in negotiations with authorities and expedites approvals for the constrained sites often associated with inner suburban housing.

With both structural and civil design offered, Hawthorn Consulting Engineers is often engaged where difficult sites requiring site drainage and retaining walls present problems and require a sound knowledge of procedures and notices required under the Building Act 1993.

Services:

- Structural Design and Documentation
- Engineering and Building Certification
- Authority Negotiations and Applications
- Housing Condition Reports
- Civil Design and Documentation
- Drainage Design and Documentation



HAWTHORN CONSULTING ENGINEERS SERVICES

INSURANCE INDUSTRY:

A long association with the insurance industry and emergency situations, has provided Hawthorn Consulting Engineers with extensive experience in rectification of damaged buildings, and has afforded it the expertise to provide sound and accurate advice in emergencies on the structural adequacy of large and difficult projects.

Both Municipal Councils and Loss Assessors have access through our 24 hour emergency service, to key Hawthorn Consulting Engineers personnel so that, in the event of emergencies, experienced structural and civil engineers are on call and available to attend sites and advise on demolition procedures and make-safe.

Other services which are commonly provided to the insurance industry include building defect and condition reports, assessments on water and storm damage, reports on foundation movement, and rectification cost estimates and documentation for reinstatement building tenders.

Services:

- 24 Hour Emergency Service
- Structural Reports
- Demolition Procedures
- Cost Estimates
- Authority Liaison and Approvals
- Water Damage Assessments
- Foundation Movement Analysis
- Documentation for Building Tenders

LEGAL PROFESSION:

Through the reputation and skills gained in servicing the insurance industry, Hawthorn Consulting Engineers is often called upon to act as an expert witness or provide technical reports to the legal profession, giving an independent professional opinion on matters of a technical nature involving public liability and contractual claims, particularly in the fields of structural and civil engineering.

Hawthorn Consulting Engineers, (as a result of their extensive experience in the building industry), also acts in conjunction with Licensed Surveyors and Valuers, to provide detailed reports and estimates for use as a basis for compensation claims.

Services:

- Expert Witness
- Technical Reports



HAWTHORN CONSULTING ENGINEERS SERVICES

BUILDING CONSULTANCY

Hawthorn Consulting Engineers is recognised for its expertise in the building industry and is able to offer sound professional and technical advice on building matters through all stages of construction projects.

In-house skills include registered building graduates, civil and structural engineers, project managers and technical draftspersons. In addition, associated consultants are able to offer architectural, building surveying, mechanical, electrical, hydraulic, fire engineering and land surveying services and advise on vertical transportation systems.

A major role of the building consultancy is to provide Existing Condition Reports and Building Damage Reports for Insurance Companies whereby full surveys are carried out for clients to identify any defects, extent of damage, faulty building work and/or areas of non-compliance (with statutory requirements). If required, detailed cost estimates can be prepared to further facilitate financial decision making and a project/management service offered for carrying out rectification/re-commissioning works.

As an independent professional practice, Hawthorn Consulting Engineers undertakes work for both private and public clients, including construction companies, architects, developers, loss adjusters, insurance companies, state and local governments, and public instrumentalities.

It is able to provide a full design and documentation service on a one-stop-shop basis, partial services or project manage other consultants on a client's behalf.

Services:

- Existing Condition Reports
- Building Defect Reports
- Building Damage Reports for Insurance Companies
- Cost Estimates
- Engineering Certification
- Architectural Drawings
- Documentation
- Project Management



HAWTHORN CONSULTING ENGINEERS SERVICES

CIVIL ENGINEERING

Hawthorn Consulting Engineers has undertaken many and varied civil engineering project required by it's clients, from large transport depots to roadworks and bridge design.

Drainage designs have ranged from complex individual development sites to large scale schemes for client's such as the Dandenong Valley Authority and the Melbourne and Metropolitan Board of Works. Drainage problems can be fully reported for litigation and/or insurance claims.

Services:

- Project Management
- Drainage Schemes
- Car Parks
- Technical Reports
- Retaining Structures
- Drainage Problems
- Storm Damage Reports



HAWTHORN CONSULTING ENGINEERS SERVICES

DEVELOPMENT INDUSTRY:

The multi-disciplinary nature of Hawthorn Consulting Engineers and its close association with the construction industry has enabled it to offer comprehensive services to land and property developers as a one-stop-shop.

Associates skills in Land Economy including professional qualifications in Real Estate Development and Investment, coupled with Municipal experience in Town Planning and Building Surveying, has meant that Hawthorn Consulting Engineers is not only qualified to prepare feasibility studies, but also to assist in complete negotiations with statutory authorities.

Computer facilities and specially written programs enables full risk analysis to be carried out for clients by means of financial modelling (using discounted cash flow techniques) and sensitivity analysis, a service so important in today's uncertain climate.

These front end skills are complemented by registered architects, structural and civil engineers, building surveyors, draftspersons and other building professionals who are capable of providing the design and technical input (together with accurate cost estimates) for assessment and later on providing full documentation for approvals and construction.

Finally, Hawthorn Consulting Engineers is increasingly being called upon by developer clients to provide full project management, whereby a manager or director will handle all aspects of the development on the clients behalf utilising both in-house professional technical staff together with outside specialist expertise, where the situation warrants it. All project management clients are provided with monthly reports on progress presented in formats suitable for their particular needs.

Certification:

Hawthorn Consulting Engineers is able to offer structural and mechanical certification services to the construction industry. This service is particularly advantageous to developer clients and/or the insurance industry as it assists an earlier commencement on site and the potential for considerable savings in holding costs.

Services:

- Feasibility Studies
- Authority Negotiations
- Financial Modelling
- Consultant Building Surveying
- Sensitivity Analysis
- Project Management
- Town Planning Advice
- Design & Documentation
- Authority Applications & Approvals



TYPICAL PROJECTS - STRUCTURAL

INDUSTRIAL

Bond Stores, Mickleham Road, Tullamarine
Bond Store, Circle Air Freight, Tullamarine
CRT Bulk Haulage, Altona
Factory, Franklin Printing, Sunshine
Factory, Kinwall Court, Moorabbin
Factory, Union Road, Dandenong
Factory, Wattyl Paints, Moorabbin
Factory, Greenaway Street, Bulleen
Laboratory, Comalco Research, Thomastown
Maintenance Facilities, Metropolitan Golf Club
Reinstatement, Rocklea Spinning Mills, Moe
Storage Tanks, Esso, Spotswood
Timber Drying Kilns, Heyfield
Warehouse/Factory/Office, DSM Kalkar, Bayswater
Warehouse, Dorcas Street, South Melbourne
Warehouse, Betona Corporation, Scoresby

COMMERCIAL & GENERAL

Alterations and Additions, Bethlehem Hospital
Corporate Offices, Normandy Poseidon Engineers, West Footscray
Indoor Swimming Facilities, Presbyterian Ladies College
Inlet Hotel, Great Ocean Road, Aireys Inlet
Major Refurbishment, Flinders Lane, Melbourne
Major Refurbishment, Chapel Street, Prahran
Multi-Storey Car Park Bond Street, Melbourne
Multi-Storey Car Park, Flinders Street, Melbourne
New Office Building, Withers Street, Sunshine
New Office Building, York Street, South Melbourne
New Public Swimming Pool, Shire of Warragul
New 3 Storey Classroom Wing, Xavier College, Kew
New sports centre, Hampton Park
Office Building, Queensbridge Street, South Melbourne
Village Green Supersite, Mulgrave

RESIDENTIAL:

Alteration & Extension, Glen Iris
New Residence, Mornington
New Residence, Blackburn
New Residence, Blackburn
New Residence, Headland Waters
Townhouse Development, Carrum
Unit Development, Surrey Hills

Architect/Designer:

Davis Sanders & Associates P/L
Herbert & Howes
Linea Technica Architects P/L
Carrara Homes P/L
Campi Property Services P/L
Mondrian Developments
Earnshaw & Associates



TYPICAL PROJECTS - INSURANCE INDUSTRY

MAKE SAFE/FIRE DAMAGE

Abattoirs, Lance Creek
GPO Melbourne, Melbourne
Levenswell Road, Moorabbin
MCC Scoreboard, Melbourne
Mildara Winery, Merbein
Redgum Drive, Dandenong

Rocklea Spinning Mills, Moe
St. Matthews Church, Albury
Salvation Army, Williamstown
Signature Spas, Hallam
Tivoli Building, Melbourne
Uncle Tobys, Wahgunyah

WATER DAMAGE

Bell Street, Preston
Gibdon Street, Burnley
Hume Highway, Craigeburn
Monterey Road, Dandenong

Trade Place, North Geelong
Trevascis Street, South Caulfield
York Street, South Melbourne

CONTRACT ADMINISTRATION

Mills Street, Cheltenham
Redgum Drive, Dandenong
Rocklea Spinning Mills, Moe

Sarton Road, Clayton
Stephenson Street, Richmond
The Esplanade. Mt. Eliza

IMPACT DAMAGE OR BLASTING

Dunlop Pacific, Hume Highway, Somerton
Dunlop Pacific, Mountain Highway, Bayswater
Longford Cinema, Toorak Road, South Yarra

Medical Centre, Station Street, Lalor
Residence, Amess Street, Carlton
Uniting Church, Belmore Road, Balwyn

LEGAL LIABILITY

Braemar College, Woodend
Clay Court, Thomastown
Dight Street, Collingwood
Hansen Street, East Brighton

Hamilton Racing Club, Hamilton
Paisley Street, Footscray
Provost Street, North Melbourne
Watson Rise, Keilor

EARTHQUAKE/CYCLONE DAMAGE

Ambassador Hotel - Newcastle, Earthquake
Ambassador Hotel - Rockhampton, Cyclone

Ambassador Hotel - Townsville, Cyclone
Royal Theatre - Newcastle, Earthquake

MACHINERY FAILURE

Crane Failure, Glenbarry St, Campbellfield
Crane Failure Investigation & Report, Croydon
Fan Fatigue Failure, A.P.P.M. Mills, Burnie, TAS.

Fatigued Autoclave Aust. Newsprint Mills, TAS
Jib Crane Failure, Burnie Port, TAS. Engineering
Woodchip Loader Collapse, Bell Bay, TAS.



TYPICAL PROJECTS - CIVIL

CIVIL ENGINEERING

Bridgework, West Footscray
Civil Rectification Report, Somerton
Civil Rectification Report, Steels Creek
Drainage, Schemes
Drainage Schemes
New Bus Depot, Scoresby
Perimeter Road and Carpark, Thomastown
Metropolitan Golf Club
Village Green Hotel Upgrade

Challenge Metals & Technologies Pty. Ltd.
South Pacific Tyres
Karong Lodge
Dandenong Valley Authority
Melbourne & Metro Board of Works
Ventura Buslines Pty. Ltd.
Comalco Pty. Ltd.



CLIENT LIST (Past and Present)

<input type="checkbox"/>	ALH Group Pty Ltd	<input type="checkbox"/>	I.C.I. Australia
<input type="checkbox"/>	Allianz Australia Pty Ltd	<input type="checkbox"/>	Industrial Wreckers Pty Ltd
<input type="checkbox"/>	ATB Design & Construction	<input type="checkbox"/>	Irwinconsult Pty Ltd
<input type="checkbox"/>	Australian Alliance Insurance	<input type="checkbox"/>	Jaydo Constructions Pty Ltd
<input type="checkbox"/>	Australian Broadcasting Commission	<input type="checkbox"/>	JLT Claims Management Services
<input type="checkbox"/>	Australian Red Cross Society	<input type="checkbox"/>	Johns & Lyng Builders
<input type="checkbox"/>	Bank of Melbourne	<input type="checkbox"/>	Jones Lang Wootton
<input type="checkbox"/>	Bay Building Services	<input type="checkbox"/>	JW Buildings
<input type="checkbox"/>	Belgraphik Building Design	<input type="checkbox"/>	KS Build Pty Ltd
<input type="checkbox"/>	Brimbank City Council	<input type="checkbox"/>	KVM Constructions Pty Ltd
<input type="checkbox"/>	Camberwell Grammar School	<input type="checkbox"/>	LAC Loss Adjusters Pty Ltd
<input type="checkbox"/>	Campi Property Services	<input type="checkbox"/>	Latrobe University
<input type="checkbox"/>	Catholic Diocesan Building Commission	<input type="checkbox"/>	Lincoln Institute
<input type="checkbox"/>	CGU Insurance Limited	<input type="checkbox"/>	Lutheran Church of Australia
<input type="checkbox"/>	Chubb Insurance Limited	<input type="checkbox"/>	MacKillop Family Services
<input type="checkbox"/>	City West Water Limited	<input type="checkbox"/>	McLarens Young International
<input type="checkbox"/>	City of Boroondara	<input type="checkbox"/>	Mallesons Stephen Jaques
<input type="checkbox"/>	City of Greater Dandenong	<input type="checkbox"/>	Melbourne City Council
<input type="checkbox"/>	City of Monash	<input type="checkbox"/>	Melbourne Water Limited
<input type="checkbox"/>	City of Yarra	<input type="checkbox"/>	Metropolitan Golf Course
<input type="checkbox"/>	Civic Mutual Plus	<input type="checkbox"/>	Michael Beasley, Solicitor
<input type="checkbox"/>	Comalco Research	<input type="checkbox"/>	Minter Ellison, Solicitors
<input type="checkbox"/>	Commonwealth Insurance Limited	<input type="checkbox"/>	Moonah Links Golf Course
<input type="checkbox"/>	Crawford & Co. Australia Pty Ltd	<input type="checkbox"/>	MSM Loss Management - Southern
<input type="checkbox"/>	Crestline Architects	<input type="checkbox"/>	Norris Coates, Solicitors
<input type="checkbox"/>	Croydon Golf Club	<input type="checkbox"/>	Piper Alderman, Lawyers
<input type="checkbox"/>	Crystal Pools Pty. Ltd	<input type="checkbox"/>	DLA Phillips Fox
<input type="checkbox"/>	Department of Defence	<input type="checkbox"/>	Power Partners
<input type="checkbox"/>	Department of Planning & Development	<input type="checkbox"/>	QBE Insurance (Australia) Limited
<input type="checkbox"/>	Dulux Paints	<input type="checkbox"/>	RACV Insurance Limited
<input type="checkbox"/>	4 Dimensions Building Contractors	<input type="checkbox"/>	Rocklea Spinning Mills
<input type="checkbox"/>	Echelon Pty Ltd	<input type="checkbox"/>	Royal Melbourne Institute of Technology
<input type="checkbox"/>	Englehart Homes	<input type="checkbox"/>	Royal Melbourne Zoological Gardens
<input type="checkbox"/>	Equity Adjusters Pty Ltd	<input type="checkbox"/>	Royal Children's Hospital
<input type="checkbox"/>	Ford Motor Company of Australia Limited	<input type="checkbox"/>	Salvation Army
<input type="checkbox"/>	Freemans Australia Pty Ltd	<input type="checkbox"/>	Sandhurst Golf Course
<input type="checkbox"/>	FRH Pty Ltd	<input type="checkbox"/>	St. Vincent's Public Hospital
<input type="checkbox"/>	GAB Robins Australia Pty Ltd	<input type="checkbox"/>	South East Water Limited
<input type="checkbox"/>	Gibson Chemicals	<input type="checkbox"/>	Syncon Group Pty Ltd
<input type="checkbox"/>	GIO General Limited	<input type="checkbox"/>	The Kew Golf Club
<input type="checkbox"/>	Glen Gollan Village	<input type="checkbox"/>	Torquay Sands Golf Course
<input type="checkbox"/>	Hall & Wilcox Solicitors	<input type="checkbox"/>	Totalizator Agency Board
<input type="checkbox"/>	Herbert & Howes	<input type="checkbox"/>	Transfield Constructions
<input type="checkbox"/>	Herbert, Geer & Rundle, Lawyers	<input type="checkbox"/>	Transurban
<input type="checkbox"/>	HSV Channel 7	<input type="checkbox"/>	Uniting Church in Aust. Property Trust