



## **APPENDIX B: Letter from IMC – Compliance with AS3962**





**International Marina Consultants Pty Ltd**  
Consultants to the Marina Industry

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23<sup>rd</sup> January 2025

Addenbrooke Pty Ltd  
5 Wanulla Road  
Point Piper NSW 2027

Attn: Ned O'Neil

Dear Sir

**RE: North Harbour Marina Reconfiguration**

We certify that the reconfiguration as depicted on drawing 6318-01/M complies with AS3962 – 2020 including but not limited to berth widths, fairway widths, depth and navigation channels.

As requested, the CV of the undersigned is attached.

Yours Sincerely

International Marina Consultants Pty Ltd

A handwritten signature in blue ink, appearing to read 'J. Leman', with a long horizontal stroke extending to the right.

John Leman BE, RPEQ, CMEngNZ, ATBP No. CC4190W  
Director

# JOHN MICHAEL LEMAN

## *CURRICULUM VITAE*

**Date of Birth:** 7 July 1956  
**Nationality:** New Zealand  
**Present Position:** Director

### **Qualifications:**

Bachelor of Engineering, Civil 1982 – University of Auckland  
Chartered Member of Engineers New Zealand (CMEngNZ)  
Registered Professional Engineer of Queensland (RPEQ)  
Accredited Building Practitioner (Structural & Civil), Tasmania

### **Professional Development Affiliations**

- Board Member of Marina Industries Association of Australia
- Chair of the Technical Committee for Standards Australia for AS 3962 – Design of Marinas
- Chair of the Technical Committee for Standards Australia for AS 4997 – Guidelines for the Design for Maritime Structures

### **Current Employment:**

**International Marina Consultants Pty Ltd**  
Director, Engineer

### **Professional Experience:**

**International Marina Consultants Pty Ltd**  
January 2001 – Present

Responsible for design of:

- **Super Yacht Berths:** Roselle Bay, Sydney  
Sovereign Islands, Gold Coast  
Jebel Ali, United Arab Emirates  
Yas Marina, Abu Dhabi, UAE  
Brisbane Marine Industry Park, Queensland  
Marlin Marina, Cairns  
Victoria Harbour Super Yachts, Melbourne  
Keppel Bay Marina, Singapore
- **Wave Attenuators:** Birkenhead Point Marina, Sydney  
Penang Port Marina, Malaysia  
Keppel Bay Marina, Singapore  
Yarras Edge, Melbourne  
Royal Yacht Club of Victoria  
Trinity Marina, Newcastle  
St George MBC, Sydney  
Frankton Marina Queenstown  
Royal Motor Yacht Club, Pittwater  
Royal Sydney Yacht Squadron, Sydney  
Derwent Sailing Squadron, Tasmania  
Westhaven Marina Y Pier, New Zealand  
Royal Brighton Yacht Club, Victoria  
Elizabeth Bay Marina, Sydney  
Anchorage Marina, Port Stephens  
Royal Perth Flying Squadron – Perth
- **Boat ramps, barge facilities, floating public walkways, jetties and ferry terminals:**  
Maldives Ferry Terminal  
Marina Mirage Port Douglas Ferry Berths, Qld  
Vic Urban Yarra River Landings, Victoria  
Scarborough Fishermens Facilities, Queensland  
City Link Floating Walkway, Melbourne  
Church Point Public Wharf, NSW  
Manly Marina Disability Access Pontoons, Qld  
Southport Broadwater Parklands Ferry Pontoon  
Stanley Bay Ferry Terminal, Auckland  
Half Moon Bay Ferry Terminal, New Zealand  
Beach Haven Ferry Pontoon, New Zealand  
Bay Island Barge Terminals  
Weinam Creek Ferry Terminal, Qld  
Werribee South Boat Ramp, Victoria  
Volvo Stopover Facilities, Victoria  
Stony Point Boat Ramp, Victoria  
Lee Wharf, Sydney  
Brisbane Floating Walkway, Queensland  
Cronulla Wharf Ferry Pontoon, NSW  
MAB Docklands Public Berthing  
Pier 1A Ferry Terminal, Auckland  
Hobsonville Wharf Terminal, New Zealand  
Port of Airlie Ferry Terminal, Queensland

- **Marine Structures Research and Development**

Floating structures dynamic response and design limits

Implementation of composite materials in float reinforcement design, post-tensioning of structures and pultruded sections for maritime structural design solutions

Analysis of composite materials for marine piling solutions

- **Marinas:**

Coomera Waters Marina, Queensland  
 Bayview Anchorage Redevelopment, NSW  
 Church Point Marina, NSW  
 Pier 2 Tweed Heads, NSW  
 Ephraim Island, Gold Coast, Queensland  
 Runaway Bay Redevelopment, Gold Coast, Qld  
 Chinderah Marina, NSW  
 Riverlinks, Queensland  
 Parsons Marina, Victoria  
 Scarborough Marina Extensions, Qld  
 Bobbin Head Marina, NSW  
 Havelock Marina Extensions, New Zealand  
 Waikawa Marina Extensions, Marlborough Sound  
 New Zealand  
 Breakwater Marina Extensions, Townsville, Qld  
 Hamilton Island Marina Extensions, Queensland  
 Redcliffe Marina, Queensland  
 Yarra's Edge Marina, Melbourne, Victoria  
 Macquarie Street Marina, Brisbane, Queensland  
 Victoria Harbour Marina, Melbourne, Victoria  
 Motor Yacht Club Extensions, Tasmania  
 Fergusons Boat Shed Marina, Sydney NSW  
 Smiths Boat Shed Marina, Sydney, NSW  
 Royal South Aust Yacht Squadron Redevelopment  
 Adelaide, South Australia  
 Penang Port Marina, Penang, Malaysia  
 Great Keppel Island Resort Redevelopment, Qld  
 Elizabeth Bay Marina, Sydney  
 Anchorage Marina, Port Stephens  
 Sunsea Marina, China

Royal Brighton Marina, Victoria  
 Birkenhead Point Marina Upgrade, NSW  
 St George Motor Boat Club, NSW  
 RMYC Pittwater, NSW  
 Penang Port Marina, Malaysia  
 Yarras Edge, Victoria  
 Hope Island Resort, Queensland  
 Calypso Bay, Queensland  
 Savage Marina, Victoria  
 Soldier's Point Marina, NSW  
 New Quay Marina, Victoria  
 Cairns Cityport Marina, Qld  
 Castlebar Cove Marina, Brisbane, Qld  
 Norman Park Marina, Brisbane, Qld  
 Bluewater Marina, Cairns, Qld  
 Keppel Bay Marina, Singapore  
 Hervey Bay Boat Club, Queensland  
 Marina Adelaide, South Australia  
 Kings Pier, Tasmania  
 Cruising Yacht Club of South Australia  
 Gosford Sailing Club, New South Wales  
 Woolwich Marina, Sydney, NSW  
 Queenscliff Marina, Victoria  
 Jones Bay Marina, Sydney, NSW  
 Roseville Bridge Marina, Sydney, NSW  
 Derwent Sailing Squadron, Tasmania  
 Trinity Marina, Newcastle  
 St George MBC, Sydney  
 Wanda Marina, China  
 Ayia Napa Marina, Cyprus

**Middle East Region Projects:**

Yas Marina, Abu Dhabi – Responsible for Design of Floating Structures  
 Dubai Marina, Stages 2 and 3 – Responsible for Design of Floating Structures  
 Saadiyat Island Development – Responsible for Planning and Marina Facilities Layout Design  
 Al Bateen Fisherman's Marina – Responsible for Planning and Marina Facilities Layout Design  
 Najmat Marina, Abu Dhabi – Responsible for Design of Floating Structures  
 Jumeriah Beach Hotel Marina, Dubai – Responsible for Design of Floating Structures  
 Festival City Marina, Dubai – Responsible for Design of Floating Structures  
 Dareen Fishing Port Floating Dock, Saudi Arabia – Responsible for Design of Floating Structures  
 CICPA Al Jazeera Al Hamra Island Harbour Pontoons – Responsible for Design of Floating Structures  
 CICPA (Arzannah and Sila Harbours) Interim Pontoons, - Responsible for Design of Floating Structures  
 CICPA Interim Berths (Al Mirfa 2, Mina Zayed, Ghaga Island, Zirku Island) – Abu Dhabi – Responsible for Design of Floating Structures  
 DIMC Superyacht Marina Extension, Dubai – Responsible for Design of Floating Structures  
 Culture Village Phase 1, Dubai – Responsible for Design of Floating Structures  
 Marasi Marina, Dubai – Responsible for Design of Floating Structures  
 Dubai Harbour Marina – Responsible for Design of Floating Structures

**Burchill Partners Pty Limited**

November 1990 – December 2000

Responsible for the engineering review of the Land Use Masterplan for a 100 hectare integrated waterfront development including functionality and navigation aspects of harbour entrance, marina and internal waterways, detailed design for the marina, technical input into the revised land plan for the overall development master plan and design management of the marina revetments and entrance works for Sentosa Development Corporation, Singapore.

Responsible for the master planning and engineering, cost estimates, approval authority liaison and documentation for a proposed integrated waterfront development including a proposed 600+ berth marina in the Whitsundays, Queensland.

Responsible for engineering aspects and infrastructure cost estimates for a Ro-Ro Ferry Service across the Spencer Gulf, South Australia. Preparation of the Environmental Impact Statement and liaison with statutory authorities.

Design of public floating walkways and gangway structures for the Melbourne Exhibition Centre.

Responsible for design of a 350 berth marina as part of the Wirrina Cove integrated resort development in South Australia.

Design of superyacht berths at Rozelle Bay, Sydney for the berthing of vessels up to 70 metres long for the Millennium and Olympic events.

Design of replacement floating structures for the Naval facilities at Garden Island, Sydney.

Planning and design for a 200 berth marina facility for Pantai Mutiara, Jakarta including planning, costings and feasibility studies for vessel maintenance and dry stock vessel storage facilities.

Design of berthing and mooring structures for 520 tonne sand barge at Paradise Point, Gold Coast.

**MacKnight Pty Ltd - Senior Design Engineer**

October 1989 - November 1990

Structural design of haulage platform at Halifax Bay, Queensland.

Structural design of transportable multi-pontoon dredge barge for Cable Sands.

Structural design of berthing dolphins for 70 m wave piercing catamaran for Tasmanian Ferries.

Design of various ship fender arrangements for Queensland Rubber.

**Wilkins & Davies Australia Pty Ltd - Development Engineer**

February 1987 - August 1989

Responsible for engineering aspects of development projects from concept through to construction.

Management of external engineering, architectural, planning and environmental consultants.

Feasibility studies and market survey for Kangaroo Point Redevelopment, Brisbane.

Design and feasibility studies for a proposed major vessel maintenance and repair facility at Homebush Bay, NSW.

Review of development strategy for the Trinity Point Redevelopment, Cairns with respect to marina layout, infrastructure and related onshore facilities.

Design of marina and submissions for development approvals for Inskip Point Resort development.

Preparation of development proposal submissions for various marina and resort projects.

Design, research and development of alternative pontoon flotation systems.

**Wilkins & Davies Marina Design Ltd (NZ) - Design Engineer**

February 1985 - February 1987

Research into marina design including floating breakwater model testing and the use of wind tunnel testing to formulate design wind loadings for marinas.

Design of marina development layout and structural design of floating structures and piling for the 900 berth Gulf Harbour Marina, Auckland, New Zealand.

Feasibility studies, concept layout and design of breakwaters, floating structures and infrastructure for the 550 berth Pine Harbour Marina, Auckland.

Supervision of design of a 100 berth marina for Bucklands Beach Yacht Club, Auckland including entrance configuration modelling to minimise wave energy inception into the marina.

Structural design and contract documentation of floating structures and piling and planning of vessel maintenance yard facilities for the Breakwater Marina, Townsville, Queensland.

**Bruce Wallace & Partners, Auckland, NZ. - Graduate Engineer**

August 1981 - February 1986

Administration and supervision of maintenance dredging contract for Half Moon Bay Marina, Auckland. Design of wave absorption pier ends and fuel jetty for the marina. Planning and design for various repair yard facilities and operations.

Investigation, design and costing of stormwater reticulation including a proposed tunnel for the Newmarket Borough Council.

Design of 600 tonne temporary Ro-Ro berth and fishing boat facilities for Petrocorp Developments, Taranaki Harbour Board.

Feasibility investigations, civil and structural design and costing, catchment appraisal and contract documentation for Tutukaka marina, New Zealand.

Design of sheet pile revetment structures and civil works for a large vessel slipping facility, Kiribati.

Marina and associated onshore service facilities layout and civil works design for redevelopment of the slipways area of Westhaven boat harbour, Auckland.

Geotechnical and hydrographic surveys including design and construction of a purpose built investigation platform to appraise possible marina development sites within Auckland Harbour for implementation into boating facilities strategic planning.

**JOHN MICHAEL LEMAN**  
*CURRICULUM VITAE ADDENDUM*

**FERRY TERMINAL FACILITIES RELATED PROJECTS**

- Review of existing facilities and conditions, projection of future facilities requirements and formulation and review of alternatives including preliminary cost estimates for the Southern Moreton Bay Passenger Ferry Terminal for Redland Shire Council.
- Provision of advice for proposed ferry services for water transportation planning, at Putrajaya (the new Government Capital of Malaysia).
- Investigations, feasibility studies, preliminary facilities design, costings and preparation of Environmental Impact Statement for a Ro-Ro Ferry Service, across the Spencer Gulf, South Australia.
- Design of superyacht facilities for the Sydney millennium celebrations and Olympics.
- Design of berthing facilities for 520 tonne barge operation at Paradise Point, Gold Coast.
- Design of various ship fender arrangements for Queensland Rubber.
- Design of ferry berth facilities at Victoria Harbour, Docklands, Melbourne

**PANEL BREAKWATERS**

- |  |               |
|--|---------------|
| • Original Half Moon Bay Panel Maintenance Works | Auckland      |
| • Bucklands Beach Yacht Club Panel Replacement   | Auckland      |
| • Waikawa Wave Panels Feasibility                | Marlborough   |
| • Westhaven Western Entrance                     | Auckland      |
| • Port of Eden Wave Panels Feasibility           | NSW Australia |