



Experience Summary

- **MPS Limited:** Director/Project Management/Infrastructure Planning, 2016 to present.
- **St Francis Primary School:** Board of Trustees – Parent Representative, June 2019 to present; Co-Chair 2022 to present.
- **Auckland Council:** Stormwater Strategy and Resilience Manager, 2013 to 2016.
- **Te Motu a Hiaroa Governance Trust (Governance Trust) and Te Motu a Hiaroa Charitable Trust (Island Trust):** Trustee and Secretary, 2011 – 2014
- **Watercare Services Limited:** Wastewater Planning Manager, 2008 to 2014.
- **North Shore City Council:** Wastewater Network Planner, 2006 to 2008
- **Sinclair Knight Merz (SKM):** Project Engineer / Hydraulic Modeller, Hydrogeologist, 2000 to 2006 (excluding September 2004 – January 2005)
- **Connell Wagner:** Water Engineer September 2004 – January 2005

Education and Qualifications

- **Bachelor of Science,** Geography and Geology, University of Auckland.
- **Post Graduate Diploma of Science,** (Partially complete), University of Auckland.
- **Engineering Technology Papers,** Open Polytechnic
- **Better Business Cases – Foundation – APMG International**
- **People Leaders – Auckland Council**
- **Strategic Planning, Motivation and Leadership – University of Auckland Short Courses**
- **Project Management Level 1 & 2 - SKM**
- **Understanding NZS3910 Conditions of Contract**
- **Urban Drainage Modelling**

Personal Details

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I am a highly motivated and outcomes focused individual with a proven track record in leading and developing teams, to successfully deliver asset management programmes and infrastructure projects, within the public and private sector. My leadership and communication skills, infrastructure expertise and knowledge, financial and risk acumen, ability to problem solve, think strategically, and bring new ideas is invaluable to organisation's seeking to deliver high quality infrastructure programmes and projects on time and within budget.

My experience extends from strategic planning and preparing business cases through to project set up, delivery and implementation. I have technical expertise and knowledge that provides me with a unique insight into ensuring projects are scoped and delivered successfully. In addition, I have provided expert witness evidence on water, wastewater and stormwater servicing for brownfield and greenfield development proposals for public and private entities. Prior to joining MPS, I was the Stormwater Strategy and Resilience Manager at Auckland Council and spent six years as the Wastewater Planning Manager at Watercare.

Recent Professional Experience

Carrington Development: Ministry of Housing and Urban Development – Infrastructure Advisor – MPS Limited

Land within the Wairaka Precinct, Auckland was transferred via legislation to the Crown in 2018 and is now under the control of the Ministry of Housing and Urban Development (HUD). The Crown, through HUD, in partnership with Ngā Mana Whenua o Tāmaki Makaurau, propose to develop an inclusive sustainable community on the Crown land. The site is a significant brownfield residential development (approximately



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63 Ha) with up to 6,000 residential dwellings proposed. MPS has been providing infrastructure advice and support to HUD on development plans, infrastructure upgrade requirements, shovel-ready projects, fast track consenting, resource consents, design, and engineering approvals. In addition, MPS prepared 4eh Stormwater Management Plan for the Wairaka Precinct and assisted HUD tender and appoint the lead designer for the proposed Backbone Infrastructure works including identifying the shovel ready projects that are underway.

Wellington Water Limited – Seconded Engineer – MPS Limited

Providing expert technical engineering and infrastructure advice to Wellington Water's Network Engineering Team. Projects include review of the Very High Critical Asset Renewal Programme, Identification, and investigation of critical projects for implementation, Stormwater Prioritisation, and preparation of Activity Briefs for project implementation.

State Highway 22 Urbanisation: Waka Kotahi - Stormwater Design Lead – Subconsultant to Aecom /Beca

The upgrade of State Highway 22 (SH22) is being advanced as part of the New Zealand Upgrade Programme (NZUP) South Auckland package to improve safety and support growth in Drury West, South Auckland. It will provide growing communities with more travel options that help people get where they want to go safely. graded road will consist of four lanes of traffic (2 in each direction), cycle lanes on both sides, pedestrian footpaths, and upgraded traffic intersections. Phil is currently the Stormwater Design Lead on the Pre-implementation phase of the project that includes confirming the concept design, design standards and staging and timing of construction. In addition, it includes understanding how major land-use development project will interface with the corridor.

Land Development Projects: Multiple clients – Infrastructure Specialist – MPS Limited

Provided expert technical three waters infrastructure advice on multiple large scale land development projects for a variety of public and private developer clients. Developments included commercial, industrial, and residential developments in both greenfield and brownfield areas across Auckland. Projects include working alongside Auckland Council's Development Project Office to identify three water upgrade projects and assisting in the preparation of Precinct Infrastructure Master Plans. In addition, Phil has provided technical input into applications for fast-track consenting, Infrastructure Acceleration Funding, developer agreements, resource consents and engineering approvals. On multiple projects, I was appointed to resolve infrastructure, resource consent and engineering issues for clients with Auckland Council and/or Watercare to unlock stalled projects.

Te Auaunga/Oakley Creek Framework Stormwater Management Plan (SMP): Kāinga Ora/Piratahi – Subconsultant to Piratahi

Phil was appointed to lead the Green Infrastructure Workstream of the Te Auaunga/Oakley Creek Framework SMP project. Phil's role was to provide expert stormwater technical advice and co-ordinate outputs from the ecology, hydrogeology, water quality, Iwi, and stakeholder engagement teams to develop the Best Practical Option (BPO) for stormwater management within the Te Auaunga/Oakley Creek catchment that included Kāinga Ora's Roskill Precinct.

Takapuna Beach Water Quality Improvement Project: Auckland Council - Project Manager and Technical Expert

Through Auckland Council's Safeswim programme and website, the public is informed about health risks and beach water quality ratings associated with contact recreation at Takapuna Beach. The overall objective of the Takapuna Beach Water Quality Improvement Programme was to investigate and identify the source/s of recreational water quality issues at Takapuna Beach and evaluate and recommend solutions to improve water quality. My role was the Project Manager for the overall programme of work, and the technical expert responsible for preparing the Options Report.

Rapaki Decommissioning and Heritage Recovery Project: Regional Facilities Limited, New Zealand Maritime Museum (NZMM) and Panuku – Project Manager

I was appointed to find a solution to relocate the Rapaki and project manage the relocation project to allow the Americas' Cup Hobson Wharf extension construction works to proceed in a timely manner. I undertook a review of all existing documentation and information on the Rapaki and developed an assessment of options, information documents for the relevant Board and senior management teams. In addition, I completed the business case for approval for the preferred option to decommission the ship and recover



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heritage items for preservation. Due to the tight timeframes for the America's Cup works to begin (weeks), I worked collaboratively with the limited number of available suppliers to develop a suitable contract and safety plans to decommission the Rapaki and recover the heritage items during December and over the Christmas break.

Due to the condition of the Rapaki, there were several significant risks that required oversight and careful management particularly due to the evidence of significant corrosion. Key risks identified were asbestos removal; failure of the crane superstructure; hull breach or failure; failure of propellers seals and failure to recover heritage items for preservation.

Weiti Villages Plan Change Variation: Williams Land (Weiti Development LP) – Project Manager

The 860ha Weiti site is situated on the coast between Okura and Stillwater just north of Auckland. The initial focus is the delivery of the 150-lot (Sub-precinct A) private residential development of Weiti Bay, with later stages being the development of two Villages (Sub Precinct B) including some mixed use. The Weiti Sub-Precinct B - Village area is zoned for a maximum of 400 residential lots and 100,000 m² Gross Floor Area (GFA) mixed use in the Auckland Unitary Plan's Weiti Precinct provisions. Auckland Council has agreed to accept a public notification of a Private Plan Change application to enable up to 1,200 dwellings in total in Weiti Sub-precincts A (150 lots) and B (1,050), including a minor amendment to the boundary of Sub-precinct B.

My role was the project manager for the Plan Change variation, including managing various consultants and contractors, in preparing the application and supporting technical documentation.

Weiti Subdivision: Williams Land (Weiti Development LP) – Design Manager

I was the design manager for the \$10 million civil contract works for the construction of over 120,000m³ cut and fill, 1.3 km of new public access road along the Penlink designation, including an upgraded intersection with East Coast Road. My role for the project was managing various consultants, adjacent landowners, and contractors, including the design, consents, and construction, managing service relocations, clearance of unexploded ordnances from a historic World War 2 firing range and all farm improvement works required as part of the Auckland Transport's agreement with the Hugh Green Group.

Close liaison with Auckland Council on the resource consents was required, given the tight timeframes, consents were obtained on time to allow construction and the sediment control works to begin prior to the earth work season. In addition, I managed the preparation and submission of all 223 and 224c documentation, lodgement of easements and issuing of titles for the 150-lot development.

Project CANOPY and Western Isthmus Water Quality Improvement Programme: Auckland Council – Project Manager and Technical Expert.

Project CANOPY was initiated in January 2017 in response to long-standing concerns about the ongoing water quality issues in the western part of Auckland's inner city. CANOPY stands for Central Auckland Network Optimisation Programme and was undertaken jointly by Watercare Services (Watercare) and Auckland Council Healthy Waters (Healthy Waters). These projects were to develop an affordable, timely and integrated infrastructure programme for stormwater and wastewater services.

I was responsible for the project management of numerous consultants to deliver 11 catchment reports, provided expert technical advice and collaborated with others on the Strategic and Summary reports to the Project Governance Group. Upon completion of Project CANOPY, I undertook the development of the Western Isthmus Water Quality Improvement Programme for inclusion in the 2018 Long Term Plan and subsequent investigation requirements.

Unitec Carrington Campus Re-development: Unitec/Wairaka Land Company – Infrastructure Technical Expert

Unitec planned to consolidate some 177 existing buildings spread over 53 hectares into a purpose-built education core on only 10 to 15 hectares, releasing some 40 hectares for residential and commercial development. I was involved in reviewing and updating the three waters master plan for the whole site. In updating the Master Plan, I undertook consultation with Auckland Council and Watercare Services Limited, prepared a gap analysis, assessed stormwater and wastewater capacities, managed the CCTV contractor, surveyor and consultants developing the water supply model for the site. In addition, I undertook the additional tasks and investigations:



- Project Management of the Stormwater Management Plan and Modelling
- Infrastructure Report for Boundary Rationalisation Subdivision Consent
- Infrastructure Servicing Report for the proposed Business Park Redevelopment.

Stormwater Strategy and Resilience Manager: Auckland Council.

Responsible for the strategic vision and direction of stormwater services at Auckland Council, reporting directly to the Stormwater Manager. Responsibilities include: preparing the Asset Management Plan, financial reporting of the Business unit, preparation of annual \$75 million capital works budget, review and approval of business cases, programming and prioritisation of the 30-year capital works programme, resource management team, resource consents, development of infrastructure funding agreements with developers, communication with stakeholders, Local Boards and Councillors, provide governance on difficult and complex projects and technical issues, and management and development of nineteen staff members, including four managers. I also filled the role as Acting Stormwater Manager during the absence of the Stormwater Manager.

I have a good understanding of stormwater technical issues as well as strong working relationship with key people within Auckland Council. In addition, I was appointed to lead the Takapuna Spatial Priority Area project within Council, and I coordinated the LGNZ Three Waters data and survey information for the Auckland and Northland regions. As the Takapuna Spatial Priority Area lead, I was able to identify and obtain funding approval for the first Spatial Priority Area project within Council.

Te Motu a Hiaroa Governance Trust (Governance Trust) and Te Motu a Hiaroa Charitable Trust (Island Trust): Trustee and Secretary: Trustee and Secretary, 2011-2014.

Managed the formation of the two Puketutu Island (Te Motu a Hiaroa) charitable trusts as part of the settlement agreement between Watercare Services Limited, Auckland Council and three iwi entities, being Waikato Tainui, Te Kawerau and Makaurau Marae. In addition, I served as inaugural trustee and secretary on both trusts.

Wastewater Planning Manager: Watercare Services Limited.

Overall responsibility for the planning of Auckland's wastewater infrastructure to meet the operational and strategic needs of the company. Responsibilities include preparation of the annual \$100+ million and 20 year \$2.5+ billion capital works Asset Management Plan, management of the \$4 million planning budget, renewal, growth and demand planning, preparation of business cases including risk and financial evaluations for new capital projects, internal and external communication with stakeholders, expert engineering input to ensure project deliverables/objectives are met, management and development of seven staff members.

Highlights include obtaining Board and/or Management approval for over 300 capital works projects with a combined value of more than \$2.0 billion; integration and reprioritisation of Auckland's wastewater planning and capital works programme in 2010, with identified savings of approximately \$1 billion (25% saving) over 20 years; successful negotiation and conclusion of the Puketutu Island Rehabilitation Settlement Agreements. I have an excellent understanding of wastewater technical issues as well as strong working relationship with key people within Watercare.

Wastewater Network Planner: North Shore City Council.

As Wastewater Network Planner I was responsible for the Wastewater Strategy and Policy to meet the long-term objectives of Council, division objectives and legal requirements. Responsibilities included: strategic and catchment management planning, setting annual budgets, development of the 10-year Improvement Work Programme for inclusion in the Long-Term Plan, manage external consultants and internal resources, project management, and technical input to ensure project deliverables/objectives are met.

Sinclair Knight Merz and Connell Wagner: Project Engineer / Hydraulic Modeller, Hydrogeologist / Water Engineer.

Prior working experience consists of a variety of consultant roles that have helped me build my experience in project management, engineering, water, wastewater, stormwater, and ground water. I prepared reports, working collaboratively within interdisciplinary teams on a range of projects including landfills, groundwater investigations and modelling, data analysis and manipulation, geotechnical investigations, farmland and drainage improvements, wastewater and stormwater network upgrades and system performance modelling.