



# BUILDING HYDRAULICS DESIGN ENGINEERING SERVICES

STA provide a full spectrum of building hydraulics services and first-time compliant designs, with experience across a large variety of disciplines in Residential, Commercial, Retail, Health Care, Child Care and Aged Care, Warehousing, Multi-Storey Apartments and more.

We are a preferred consultant to many councils within Queensland and service regions throughout Australia.

## Comprehensive hydraulics design

**All of our designs are provided with RPEQ / MIE aust engineer certification**

SANITARY PLUMBING AND DRAINAGE

ARTICULATION JOINT SPECIFICATIONS FOR  
SANITARY AND/OR STORMWATER PIPEWORK

RPEQ ENGINEER CERTIFIED PIPE ARTICULATION  
SPECIFICATIONS

SITE STORMWATER DRAINAGE

RESIDENTIAL AND DUAL OCCUPANCY  
STORMWATER MANAGEMENT (QLD & NSW)

ROOF WATER GUTTER AND DOWNPIPES  
(BOX / EAVES / VALLEYS)

RAINWATER HARVESTING AND REUSE  
RETICULATION SYSTEMS

HOT AND COLD POTABLE WATER RETICULATION AND  
TEMPERED CIRCULATING SYSTEMS

GAS RETICULATION (NATURAL OR LP)

TRADE WASTE PLUMBING AND DRAINAGE

FIRE HYDRANT AND HOSE REEL COVERAGE ASSESSMENTS  
(RESIDENTIAL / COMMERCIAL)

ASSISTED 'WET' FIRE SERVICE DESIGN SYSTEMS  
(BOOSTERS / TANKS / PUMPS)

## Building Hydraulics Design

Water usage, sustainability and efficiency in Australia continue to be a priority for governments, businesses and homeowners alike. They are a priority for us too, and a central part of all our hydraulics designs.

STA Consulting Engineers have many years of building hydraulics experience, providing practical, functional and sustainable design that delivers real value for our clients at all stages of the project. That's why we are preferred hydraulic consultants by many councils and builders. Our hydraulic design services and expertise covers the following areas:

- residential
- dual occupancy
- townhouses
- age-care facilities
- early learning centres
- office complexes
- warehousing
- cafes
- sporting complexes
- hospitals & health care
- multi-residential developments
- multi-story apartment projects

## Site-Specific Engineering

Every project presents a unique combination of challenges. Our engineering, design and drafting teams are highly experienced at ensuring the hydraulic principles of each site are correctly understood, so we can deliver leading design concepts and construction methods.

All of our projects are designed to the highest of standards, ensuring local authority requirement and Australian Standards compliance, backed by our experienced Engineers certification.



**HIA members**  
the best in the business



[www.staconsulting.com.au](http://www.staconsulting.com.au)

Brisbane, Gold Coast, Rockhampton, Townsville, Sydney, Newcastle