

# NAIL PARLOUR

## GENERAL NOTES:

- These drawings are a guide only for the location and layout of the service pipes.
- Do not scale from these drawings. Refer to architectural drawings for all setout dimensions.
- These drawings are to be read in conjunction with the architectural specification and drawings for the final selection and position of fixtures and fittings.
- Location of existing services have been determined from site visits and existing record plans. No proving of services has been undertaken.
- The contractor is to verify all invert levels, surface levels, clearances and covers are correct and obtainable before commencement of any works. Notify Aqualogical of any issues prior to installation.
- All works are to be constructed in accordance with the Australian Standards, Plumbing and Drainage Act 2018, BCA (Building Code of Australia), PCA (Plumbing Code of Australia) and to the approval of the local authority.
- All materials shall be in accordance with the Plumbing Code of Australia, AS/NZS3500, and the relevant Australian Standards.
- All existing services which are no longer required shall be removed or sealed off to the satisfaction of the local authority.
- The contractor shall pay all fees in association with construction costs, required tests and inspections.
- The contractor shall allow all costs associated with the preparation of the as constructed drawings to the satisfaction of the supervisor on completion of the project. A suitable time frame shall be allowed for documentation of as constructed drawings.
- The contractor shall make themselves familiar with all site constraints through a site visit prior to final tender submission.
- The contractor shall co-ordinate all pipework with the other trade services prior to commencement of any work.
- Where applicable: Allow all costs for work to be undertaken outside of normal trading hours in accordance with centre management requirements.
- Allow all costs associated with the hiring of security personnel while working in adjacent tenancies.
- Building works, removal and reinstatement of ceilings by others.
- Allow all costs to cut concrete, excavate, lay pipe and reinstate. Structural approval is required prior to commencement of works.
- Allow all costs to repair and make good any services disturbed or damaged during construction with similar materials to suit existing.
- The contractor is to clean the site and remove surplus debris and material to the satisfaction of the supervisor on completion.
- All services are to be tested & final certificate provided prior to handover.
- All pipe sizes shown on these plans are internal diameters (ID) UNO
- All cold water reticulation pipework shall be 15mm supply to a single fixture and 20mm to two or more fixtures UNO. The length of a 15mm branch shall not exceed 3 metres.
- All hot water, cold water and waste pipework exposed to public view within the tenancy to be installed in chrome plated copper.
- Water services pipework shall be copper tube type B and/or cross-linked high-density polyethylene (PE-X). All pipework sizes shown are internal pipework sizes UNO. Densowrap copper pipework where in ground. PE-X pipework to be run inside a conduit where in ground. All pipe sizes shown are internal pipework dimensions. UNO
- All hot water service pipework to be insulated.
- All hot water and cold water services shall be pressure tested to 1500kPa during installation and be free of leaks prior to being built in or concealed.
- All pipework shall be identified with adhesive pipe markers in accordance with AS1345.
- All control valves shall be located on site in an accessible position and be fitted with identification plates outlining function.
- Supply and install:  
Sanitary Plumbing / Drainage: PVC to AS/NZS 1260
- Fire stop collars to be installed on all plastic pipe work penetrating through all fire zones.
- All fixtures, fittings, associated materials and installation costs required for installation and correct operation shall be supplied by the contractor.
- Allow all costs to install swivel joints & expansion joints to all pipework installed in unstable ground in accordance with AS 3500.2 clause 5.6.
- The location of all existing services have been determined from existing hydraulic plans & known positions of existing valves, manholes, etc. No responsibility is taken for the accuracy of the existing services information supplied. The Plumbing Contractor is to ensure all services are accurately located prior to commencement of work.
- All fittings & tapware to be WELS rated.

PLUMBING FIXTURES				
	Description		Fixture Units	Total FU No
B	Basin, Single Bowl		1	1
CWM	Clothes Washing Machine		5	5
TSK	Tea Sink, Single Bowl		1	1
TTD	Trapped Tundish (FS)		0	0
			7	9

## PIPE SYSTEMS & MATERIALS

PIPE SYSTEMS			
	Description	Material	Type Image
CW	Cold Water	Copper	
HD	House Drainage	PVC	
HD2	House Drainage (To Tundish)	PVC	
HW	Hot Water	Copper	
VP	Vent Pipe	PVC	
WW	Warm Water	Rehau/Copper	

## BILL OF QUANTITIES

PIPE LENGTHS		
SIZE	TYPE	LENGTH (m)
CW		
15	Pipe (Water)	0
20	Pipe (Water)	13.2
HD		
40	Pipe (Drainage)	0.4
50	Pipe (Drainage)	12.8
HD2		
40	Pipe (Drainage)	1
65	Pipe (Drainage)	0.4
HW		
15	Pipe (Water)	1.6
VP		
40	Pipe (Drainage)	0
50	Pipe (Drainage)	0.4
WW		
15	Pipe (Water)	14.4

## PIPE FITTINGS

System	Description	Size	No
CW			
P1-E	Pipe Elbow	20-20	4
P1-T	Pipe Tee	20-20-15	2
P1-T	Pipe Tee	20-20-20	8
HD			
P2-E	Pipe Elbow	40-40	2
P2-E	Pipe Elbow	50-50	20
P2-Y	Pipe Y-Junction	50-50-40	1
P2-Y	Pipe Y-Junction	50-50-50	8
HD2			
IO	Pipe Inspection Opening Fitting	65-65	1
P2-E	Pipe Elbow	40-40	2
P2-E	Pipe Elbow	65-65	1
P2-R	Pipe Reducer	65-40	1
P2-Y	Pipe Y-Junction	40-40-40	1
P2-Y	Pipe Y-Junction	65-65-65	1
HW			
P1-E	Pipe Elbow	15-15	2
P1-T	Pipe Tee	15-15-15	2
VP			
P2-E	Pipe Elbow	50-50	2
WW			
P1-E	Pipe Elbow	15-15	5
P1-T	Pipe Tee	15-15-15	6

## PIPE ACCESSORIES

	Description	Size	No
AAV	Air Admittance Valve	40	1
AAV	Air Admittance Valve	50	2
DCHV	Dual Check Valve	15-15	6
DCHV	Dual Check Valve	20-20	6
IV	Isolation Valve		12
IV	Isolation Valve	15-15	1
IV	Isolation Valve	20-20	1
P40	P-Trap (40Ø)		1
P50	P-Trap (50Ø)		8
PUMP2	Saniflo Sanicom1	50-50-32	1
TV	Tempering Valve		1
TV	Tempering Valve	20-15	1
WM	Water Meter	20-20	1



PROJECT OVERVIEW  
NOT TO SCALE

## LEGEND

3D	3 Dimensional	HDPE	High Density Polyethylene	AAV	Air Admittance Valve
AFFL	Above Finished Floor Level	PVC	Polyvinyl Chloride	B	Basin, Single Bowl
CTE	Connection to Existing	°C	Celsius	CWM	Clothes Washing Machine
DN	Nominal Diameters	kPa	Kilo-Pascals	DCHV	Dual Check Valve
DWG	Drawing	kW	Kilo-Watt	HWU	Instantaneous Hot Water Unit
e	Existing	L	Litre	IV	Isolation Valve
FFL	Finished Floor Level	L/h	Litre per hour	P40	P-Trap (40Ø)
HP	High Point	L/m	Litre per minute	P50	P-Trap (50Ø)
IL	Invert Level	L/s	Litre per second	PUMP2	Saniflo Sanicom1
min	Minimum	LU	Loading Unit	TSK	Tea Sink, Single Bowl
PDP	Provisional Drainage Point	MJ	Mega-Joule	TTD	Trapped Tundish
PWP	Provisional Water Point	m/s	Metre per second	TV	Tempering Valve
RL	Reduced Level	AS	Australian Standard	WM	Water Meter
SL	Surface Level	NZS	New Zealand Standard		
TYP	Typical Unless Noted Otherwise				
UNO	Unless Noted Otherwise				
WELS	Water Efficiency Labeling and Standards				

## DOCUMENT LIST

SHEET NUMBER	SHEET NAME
H-01	COVER SHEET
H-02	DRAINAGE SERVICES

## PRINTING

DRAWINGS TO BE PRINTED AT A1 IN COLOUR

## EQUIPMENT SCHEDULE

HOT WATER UNIT:  
STIEBEL ELTRON CONTINUOUS FLOW HOT WATER HEATER. MODEL DHB-E 27 AU (OR EQUAL) 28 KW, 3 PHASE, 39 AMPS PER PHASE.

## DISCLAIMER

ALL LENGTHS AND QUANTITIES ARE CALCULATED DIRECTLY FROM THE REVIT MODEL AND ARE TO BE USED AS A GUIDE ONLY. CONTRACTOR TO CONFIRM ALL LENGTHS AND QUANTITIES PRIOR TO CONSTRUCTION

No. of Fixtures: 9 Total Fixture Units: 7

Designed to comply with Plumbing and Drainage Act 2018.

Services designed to comply with:

Cold Water to AS3500.1.2  
Hot Water to AS3500.4.2

Sanitary Plumbing & Drainage to AS3500.2.2

Trade Waste Drainage to AS3500.2.2

Fire Service to AS2419.1

Fire Hose Reel to AS2441

## Locality Plan



**EXAMPLE ONLY**

RPD

## REAL PROPERTY DESCRIPTION

Property Owner

YOUR LOGO HERE

Tenant

NAIL PARLOUR

Hydraulic Consultant



QBCC License No: 1099893

A.C.N.: 116 871 544

A.B.N.: 241 1687 1544

Unit B5, Commercial Court

130 Kingston Rd, Qld 4119

PO Box 220 Rochedale South 4123

(07) 3208 5233

admin@aqualogical.com.au

www.aqualogical.com.au

www.aqualogical.com.au

Project

NAIL PARLOUR

HYDRAULIC SERVICES

COVER SHEET

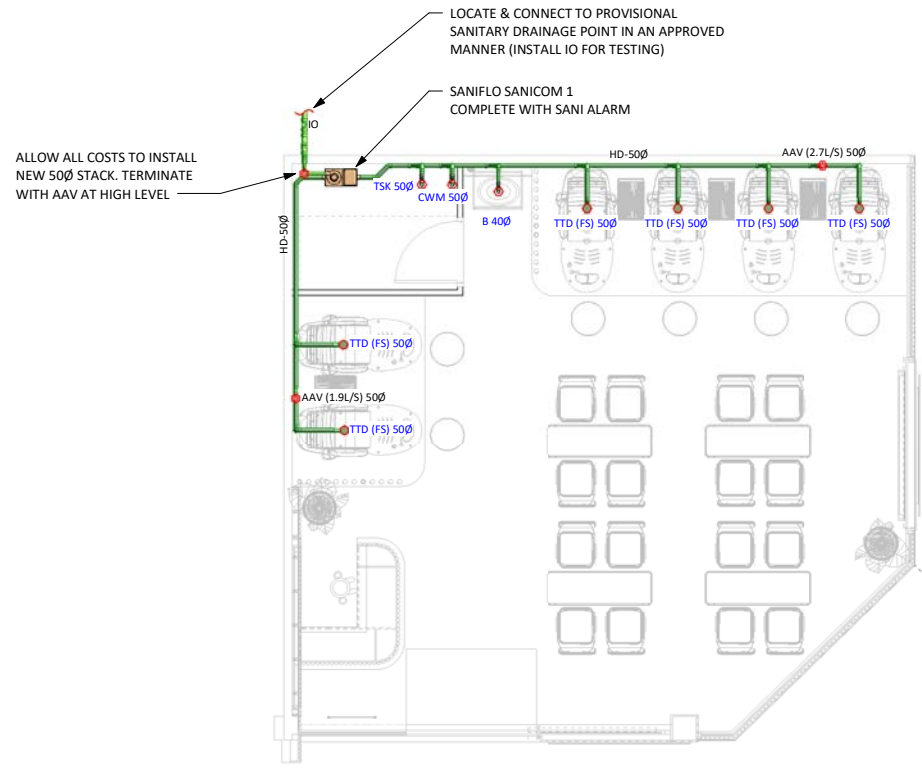
Drawn

Validated

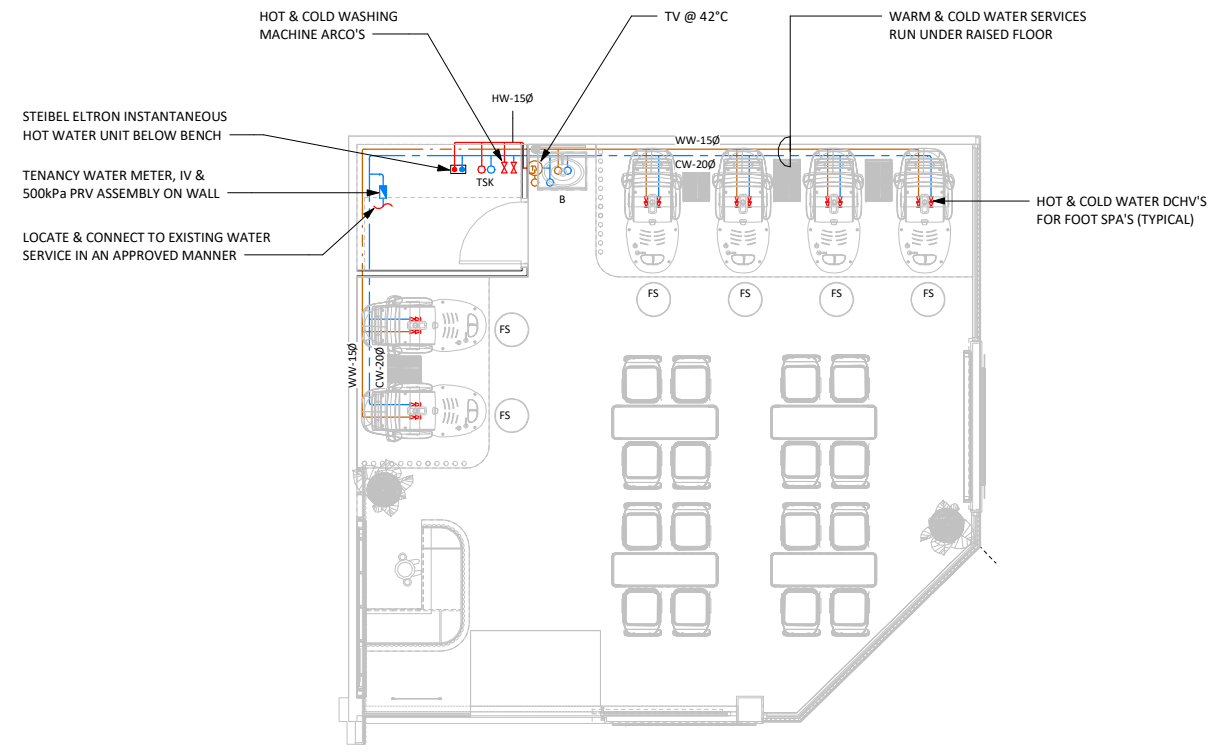
Scale

NOT TO SCALE

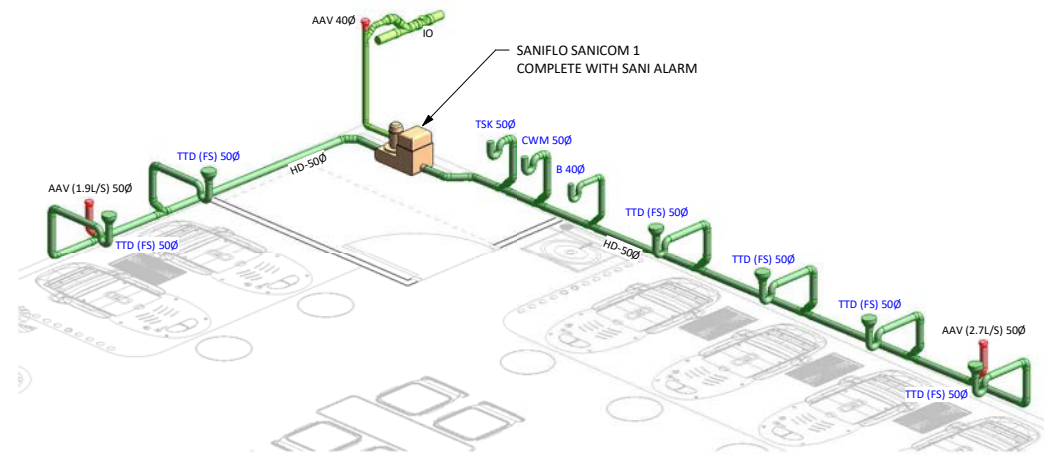
NAIL PARLOUR H-01



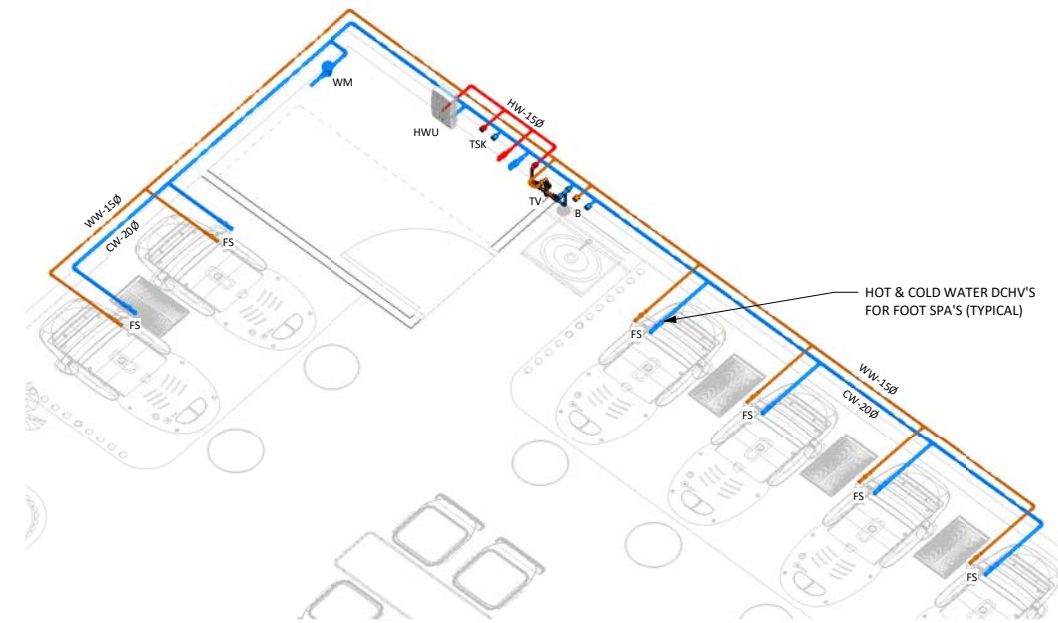
**ELEVATED SANITARY DRAINAGE SERVICES - PLAN**  
1 : 50



**WATER SERVICES - PLAN**  
NOT TO SCALE



**SANITARY DRAINAGE SERVICES - 3D VIEW**  
NOT TO SCALE



**WATER SERVICES - 3D VIEW**  
NOT TO SCALE

**NOTE**

THE LOCATIONS OF ALL EXISTING IN GROUND SERVICES HAVE BEEN DETERMINED FROM EXISTING HYDRAULIC PLANS & KNOWN POSITIONS OF EXISTING VALVES, MANHOLES ETC. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE EXISTING SERVICES INFORMATION SUPPLIED. THE PLUMBING CONTRACTOR IS TO ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

No. of Fixtures: 9 Total Fixture Units: 7  
Designed to comply with Plumbing and Drainage Act 2018.  
Services designed to comply with:  
Cold Water to AS3500.1.2  
Hot Water to AS3500.4.2  
Sanitary Plumbing & Drainage to AS3500.2.2  
Trade Waste Drainage to AS3500.2.2  
Fire Service to AS2419.1  
Fire Hose Reel to AS2441

**Locality Plan**



**EXAMPLE ONLY**

RPD

REAL PROPERTY DESCRIPTION

Property Owner

YOUR LOGO HERE

Tenant

NAIL PARLOUR

Hydraulic Consultant



QBCC License No: 1099893  
A.C.N.: 116 871 544  
A.B.N.: 241 1687 1544  
Unit B5, Commercial Court  
130 Kingston Rd, Qld 4119  
PO Box 220 Rochedale South 4123  
(07) 3208 5233  
admin@aqualogical.com.au  
www.aqualogical.com.au



Project  
NAIL PARLOUR

HYDRAULIC SERVICES  
DRAINAGE SERVICES



Drawn Validated

Scale 1:50 @ A1 1:100 @ A3

NAIL PARLOUR H-02