



DOMESTIC WATER TANKS & PUMP STATIONS	DETAILS
DWPS-1 : CFS (College of Foundation Studies); CFS (College of Foundation Studies); Engineering Block, CRC, USP Gym	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-2 : DMC, USP Lodge, MQ 5.6 & 7	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable
DWPS-3 : Waqavuka Flats	WATER TANK: 1 No. 20,000L (Ø3700 x 2400) Fibre Glass PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-4 : Research Bldg., Confolus Institute, Admin Bldg.; HR Bldg., CELT Bldg., REST Room	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: GT-D = 80V FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-5 : ICT Building	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 2 Model UN402-515 CON-AIR TANK: 2-DP10-22 In-Built with Pump VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-6 : Campus Life, 1st Hall	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-7 : Library & FALE	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-8 : Dining Hall (Current Pacific TAFE)	WATER TANK: 1 NO. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-9 : New Science Lab (FSTE), AusAid & Southern Cross	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-10 : FBE	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Connected
DWPS-11 : Bookcenter, SAS Building & Supermarket	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-12 : Security Control Room; Halls Office; Medical Center, Westpack Bank & Mail Room; International Office	WATER TANK: 1 NO. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator

DOMESTIC WATER TANKS & PUMP STATIONS	DETAILS
DWPS-13 : 4th & 5th Hall of Residence	WATER TANK: 4 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Replaced S220091402/6mm FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Wined for E&I Generator
DWPS-14 : 6th & 7th Hall of Residence	WATER TANK: 6 NOs. 10,000L (Ø2450 x 2550H) Rotomoulded 1 NO. 20,000L (Ø3700 x 2400H) Fibre Glass PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Wined for E&I Generator
DWPS-15 : 8th Hall of Residence	WATER TANK: 7 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: PWB-100LV/Global Solution FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator
DWPS-16 : 11th Hall of Residence	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: Grundfos 98048615 PH141 CON-AIR TANK: 24L Grundfos FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-17 : Married Quarters (Namaste Lane) & NOVA Lane, MQ35 - MQ41	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator
DWPS-18 : 2nd Hall of Residence; FALE Hubs	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: PWB-100LV/Global Solution FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator
DWPS-19 : Pre-school	WATER TANK: 1 NO. 5,000L (Ø1900 x 2100H) PUMP MODEL: 1 x Onga Domestic Small Pump CON-AIR TANK: None FILTER: None VALVE SIZE: 15mm GEN-SET: Not Connected
DWPS-20 : VC's Residence	WATER TANK: 1 NO. 5,000L (Ø1830 x 1220H) Fibre Glass PUMP MODEL: 1 x Onga Ø800 CON-AIR TANK: 2A841-J Con-Air/Starite FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Not Connected
DWPS-21 : Married Quarters - Supply to MQ5, MQ10, MQ11, MQ12 & Vaturara Toilet	WATER TANK: 5 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator
DWPS-22 : Married Quarters - Supply to MQ25, MQ26, MQ27, MQ28, MQ29, MQ30, MQ31, MQ32, MQ35	WATER TANK: 3 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 1 x Onga Ø800; 1 x Onga 183 CON-AIR TANK: Signature 2000A-SR85-25-01 FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 50mm & 40mm GEN-SET: Portable Generator
DWPS-23 : Vaturara Flats; MQ20 - MQ25	WATER TANK: 1 NO. 10,000L (Ø2450 x 2550H) Rotomoulded 1 NO. 20,000L (Ø3700 x 2400H) Fibre Glass PUMP MODEL: 1 x Onga Ø800 CON-AIR TANK: PWB-100LV/Global Solution FILTER: 20 Micro with 20" Jumbo VALVE SIZE: 40mm GEN-SET: Portable Generator
DWPS-24 : VC Residence	WATER TANK: 2 NOs. 10,000L (Ø2450 x 2550H) PUMP MODEL: 2 x Onga Domestic Small Pump CON-AIR TANK: None FILTER: None VALVE SIZE: 15mm GEN-SET: Connected
DWPS-25 : Married Quarters 15 Residence	WATER TANK: 1 NO. 5,000L (Ø1900 x 2100H) PUMP MODEL: 1 x Onga Domestic Small Pump CON-AIR TANK: None FILTER: None VALVE SIZE: 15mm GEN-SET: Not Connected

WATER METER DETAILS AND LOCATION FOR E&I

DENOTE	METER NUMBER	SERIAL NUMBER	ACCOUNT NUMBER	SIZES	LOCATION
1	KF2 07	A17080344	400005170	[80 - MM]	DAKAI RD OUTSIDE RFMF COMMANDER'S GATE
2	KG1 81	16AKC00052	108152111	[15-MM]	LOT 1 & 2-CATALINA DRIVE [VICE CHANCELLOR'S COMPOUND]
3	KG1 81A	14AKC10143	40012851	[15-MM]	LOT 1 & 2-CATALINA DRIVE [VICE CHANCELLOR'S COMPOUND]
4	KG1 40	A17082232	10771888	[80-MM]	UPPER OLD GATE @ PEDESTRIAN CROSSING
5	KG1 70	A17082233	xxx	[150-MM]	E&I YARD
6	KG1 77	A17082144	108168476	[80-MM]	MAIN GATE OPPOSITE COST U LESS

WATER METER DETAILS AND LOCATION FOR COMMERCIAL

DENOTE	METER NUMBER	SERIAL NUMBER	ACCOUNT NUMBER	SIZES	LOCATION
1	KF2-1	16AKC19301	108169948	[15-MM]	QTRS-16 @ UPPER CAMPUS
2	KF2-2	05AKC14373	108169243	[15-MM]	QTRS-17 @ UPPER CAMPUS
3	KF2-3	10AKC1640	108169545	[15-MM]	QTRS-18 'A&B' @ UPPER CAMPUS
4	KF2-4	10AKC1638	108164101	[15-MM]	QTRS-19 @ UPPER CAMPUS
5	KF2-6	05AKC14208	108169947	[15-MM]	QTRS-48 @ UPPER CAMPUS
6	KF2-7	14AKC88040	108170144	[15-MM]	QTRS-49 @ UPPER CAMPUS
7	KF1-2	10AKC2345	108164705	[15-MM]	QTRS-15 @ UPPER CAMPUS
8	KG318	29967	108162907	[15-MM]	16 TELAU STREET
9	KG311	14AKC88040	108165000	[15-MM]	1 TELAU STREET
10	KF3114	05AKC29127	108164705	[15-MM]	7 TELAU STREET
11	KF319	00AKC01749	108164403	[15-MM]	18 TELAU STREET
12	KF316	14AKC101145	108166201	[15-MM]	12 TELAU STREET
13	KG315	26080	108165906	[15-MM]	10 TELAU STREET
14	KF3629	12AKC02499	108165302	[15-MM]	27 VARANI STREET
15	KF3624	14AKC88132	108165604	[15-MM]	25 MARIKO STREET
16	KF3626	4B719684	108165604	[15-MM]	26 VARANI
17	KF12119	A17081892	108165604	[75-MM]	SOUTH GATE - MUANIKAU ROAD

Legends:

- WATER METER
- WATER SUPPLY CHAMBER
- FIRE HYDRANT
- WATER SUPPLY VALVE
- DOMESTIC WATER TANK AND PUMP HOUSE (DWPS)
- COLD WATER PIPE BELOW GROUND

NOTE:
ALL PIPE WORKS ARE OF THE FOLLOWING:
TYPE: PVC
RATING: PN 12
CLASS: D

USP
THE UNIVERSITY OF THE SOUTH PACIFIC

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CLIENT:
**UNIVERSITY OF THE SOUTH PACIFIC
ASSETS DATABASE
LAICALA CAMPUS, SUVA**

BUILDING SERVICES ENGINEERS

QUANTITY SURVEYORS

APPROVAL:

Rev	Date	Revision Notes
E	05.11.18	AS BUILT BY WAF & E&I PLUMBER
D	04.07.18	AS BUILT BY E&I PLUMBER
C	26.01.18	AS BUILT BY S.NAND
B	03.06.16	AS BUILT BY KRAMMER
A	28.04.16	AS BUILT BY KRAMMER

Revisions:

Dimensions:
Figured dimensions shall take precedence over scaled dimensions and larger scale drawings over smaller scale drawings

Check on Site
Check all dimensions on site before commencing work and before producing shop drawings. Notify the architect of any discrepancies

PROJECT:
**MAIN CAMPUS SERVICES
AS-BUILT DRAWINGS -
UPDATE**

UNIVERSITY OF THE SOUTH PACIFIC
MAIN CAMPUS.

DRAWING TITLE:
**HYDRAULICS SERVICES
WATER SERVICES LAYOUT**

DRAWING STATUS:
AS BUILTS

Issue Date: Nov 2018	Drawn: SNL/RC
Project Design: RC/JD	Checked By: RC/JD
Project Number: 16091F	
DRAWING NUMBER: HO1	REVISION: E

1 HYDRAULIC SERVICES LAYOUT - WATER SERVICES LAYOUT