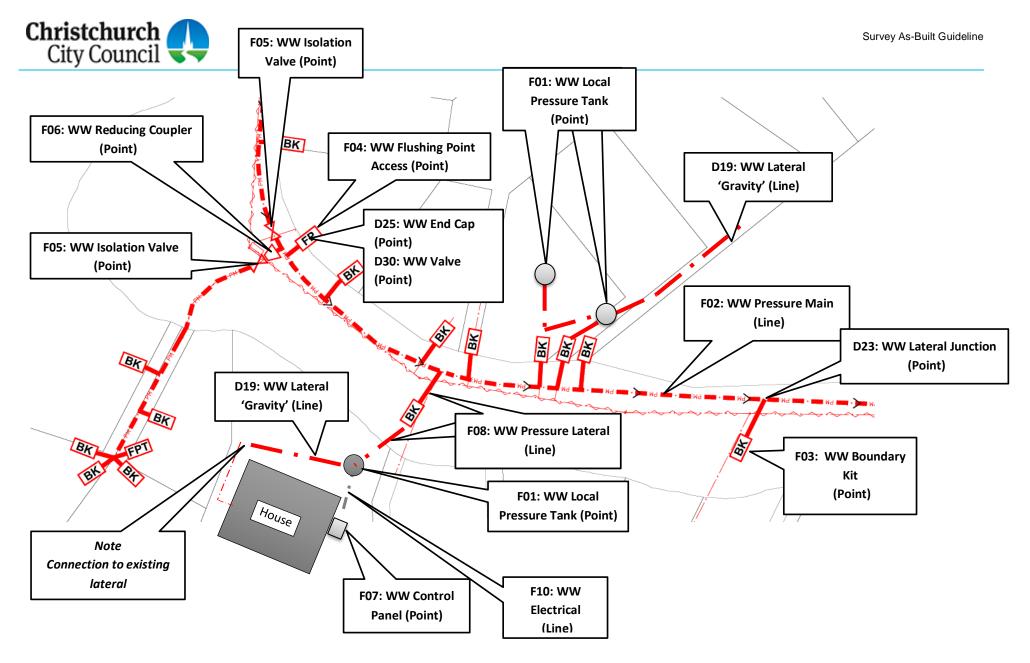


Appendix F As-built Requirements for Wastewater Pressure Sewer System

Appendix F As-built Requirements for Wastewater Pressure Sewer System
F01: WW Local Pressure Tank System
F02: WW Pressure Main4
F03: WW Local Pressure Boundary Kit
F04: WW Flushing Point Access
F05: WW Isolation Valve7
F06: WW Reducing Coupler
F07: WW Local Pressure Control Panel
F08: WW Pressure Lateral
F10: WW Electrical



Wastewater Pressure – Overview



Name			sure Tank System (Point) 🛛 🛛 🔵	Centre d	of structure
Point Ty	pe	F01 "Point Asset Input	S"		Y Z
				^	Λ T Ζ
CAT Column	SAG Description		Valid Values		
A	Type of Point Feature		F01		
В	Type of Pressure Tank		Select from pick list: domWwLocalPressureTankSystemType	N7/7//////////////////////////////////	П
С	Asset Record Capture Type		Select from pick list: domAssetRecordCaptureType	· ·	11 Alexandress of the second s
D	Differs from design (yes/no)		Select from pick list: domDiffersFromDesign		
E	Asset Unique Identifier		data - Text (100 Characters)		
F	Centre of Structure in Eastir	ng coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)		
G	Centre of Structure in North	ing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)		A L XX JIII
Н	RL on centre of cover - (m)		data - Decimal Number (6 Chars, 3 Decimals)		
I	Leave Blank		Leave Blank	PLAN AT FOOTING LEVEL	T
J	Leave Blank		Leave Blank	PLAN	U DI AN
K	Date of commission		data - Date (dd/mm/yyyy)		PLAN
L	Location certainty - accurac	y of data	Select from pick list: domLocationCertainty	1 V	V
М	Name of main contractor wh	no installed the asset	Select from pick list: domInstallationCompany		A ITTA
Ν	Date of 'survey start'		data - Date (dd/mm/yyyy)		
0	Trafficable or non trafficable	structure	Select from pick list: domTrafficable		A CONTRACT
Р	Leave Blank		Leave Blank		
Q	Manufacturer of asset		Select from pick list: domManufacturer		
R	Serial number of Pump		data - Text (50 Characters)		
S	Serial number of Tank		data - Text (50 Characters)		▲ 酈 離 🚽
Т	Number of pumps operating	in tank	data - Number		
U	Leave Blank		Leave Blank		DR RA
V	Manufacturer warranty reference		data - Text (50 Characters)		
W	Manufacturer warranty term in years		data - Number		OF OTION
				SECTION	SECTION 604/E 120
Additio	nal Information	non-trafficable	trafficable		
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Col I: enter number of vertex along line starting with the downstream end		ture requires at least tw	o row entries.		
		•		with the downstream and	All bends, start/end points to be
					surveyed. Create one CAT row per





Name VVVV Pressure Sewe		WW Pressure S	Sewer System Boundary Kit (Point)	
Point Typ	Point Type F03 "Point		ts"	Centre of structure
CAT Column	SAG Description Valid Values		Valid Values	X Y and Z
A	Type of Point Feature		F03	
В	Type of Boundary Kit		Select from pick list: domWwLocalPressureBoundaryKitType	
С	Asset Record Capture Type		Select from pick list: domAssetRecordCaptureType	
D	Differs from design (yes/no)		Select from pick list: domDiffersFromDesign	
E	Asset Unique Identifier		data - Text (100 Characters)	
F	Centre of Structure in Eastin	g coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Centre of Structure in Northi	ng coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
Н	RL on centre of cover - (m)		data - Decimal Number (6 Chars, 3 Decimals)	
1	Leave Blank		Leave Blank	(<u> </u>
J	Leave Blank		Leave Blank	
K	Date of commission		data - Date (dd/mm/yyyy)	PLAN
L	Location certainty - accuracy	/ of data	Select from pick list: domLocationCertainty	
М	Name of main contractor wh	o installed the asset	Select from pick list: domInstallationCompany	_
Ν	Date of 'survey start'		data - Date (dd/mm/yyyy)	
0	Trafficable or non trafficable	structure	Select from pick list: domTrafficable	
Р	Leave Blank		Leave Blank	
Q	Manufacturer of asset		Select from pick list: domManufacturer	íli — —
R	Leave Blank		Leave Blank	
S	Leave Blank		Leave Blank	888-888888888
Т	Leave Blank		Leave Blank	
U	Leave Blank		Leave Blank	
V	Manufacturer warranty refer		data - Text (50 Characters)	SECTION
W	Manufacturer warranty term in years		data - Number	SECTION



Name		WW Flushing Point (Po	oint) 👝	
Point ⁻	Point Type F04 "Point Asset Inputs"		•	Centre of structure
				X Y and Z
CAT Colum	SAG Description		Valid Values	
A	Type of Point Feature		F04	
В	Type of Manhole or Acces	SS	Select from pick list: domWwAccessType	
С	Asset Record Capture Ty	De	Select from pick list: domAssetRecordCaptureType	
D	Differs from design (yes/n	o)	Select from pick list: domDiffersFromDesign	
Е	Asset Unique Identifier		data - Text (100 Characters)	
F	Centre of Structure in Eas	ting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Centre of Structure in Nor	thing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
Н	RL on lowest corner of lid	- (m)	data - Decimal Number (6 Chars, 3 Decimals)	PLAN
I	RL at base of pit (lowest p	ooint) - (m)	data - Decimal Number (6 Chars, 3 Decimals)	
J	Width and length of pit (e.	g. 600x800) or diameter of pit - (mm)	data - Number	
К	Date of commission		data - Date (dd/mm/yyyy)	
L	Location certainty - accura	acy of data	Select from pick list: domLocationCertainty	
М	Name of main contractor	who installed the asset	Select from pick list: domInstallationCompany	
Ν	Date of 'survey start'		data - Date (dd/mm/yyyy)	E E E
0	Style of access lid		Select from pick list: domAccessLidStyle	
Р	Shape of access lid		Select from pick list: domAccessLidShape	
Q	Manufacturer of asset		Select from pick list: domManufacturer	
R	Construction material		Select from pick list: domAccessConstruction	
S	Type of security on acces	S	Select from pick list: domAccessSecurity	
т	Pit angle - orientation c (rectangular pits only) - (d	f inner structure to nearest 5 degrees egrees)	data - Number	
				050701
	onal Information			SECTION
*All c	ther columns must be	e left "blank" or hold the value	e "LEAVE BLANK" as default in CAT	
	leave blank/unchang	ed for circular chambers		
	ppendix C.1.1 for a C			



		WW Isolation Val		
Point Ty	Point Type F05 "Poi		-	Centre of structure
CAT Column	SAG Description		Valid Values	X Y and Z
A	Type of Point Feature		F05	
В	Type of Valve		Select from pick list: domWwValveType	AUTOURALING
С	Asset Record Capture Type		Select from pick list: domAssetRecordCaptureType	
D	Differs from design (yes/no)		Select from pick list: domDiffersFromDesign	
E	Asset Unique Identifier		data - Text (100 Characters)	
F	Centre of Structure in Eastir	ng coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Centre of Structure in North	ing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
Н	RL on lowest corner of lid -	(m)	data - Decimal Number (6 Chars, 3 Decimals)	
Ι	Leave Blank		Leave Blank	
J	Nominal diameter in mm - (r	nm)	Select from pick list: domValveNominalDiameter	
K	Date of commission		data - Date (dd/mm/yyyy)	
K L	Location certainty - accurac		Select from pick list: domLocationCertainty	
М	Name of main contractor wh	no installed the asset	Select from pick list: domInstallationCompany	[/////ДЩ]//////А
Ν	Date of 'survey start'		data - Date (dd/mm/yyyy)	アメノノノ
0	Valve normal operating posi	tion - open or closed	Select from pick list: domValveNormalPosition	
Р	Manual or motorised valve		Select from pick list: domValveActuation	
Q	Manufacturer of asset		Select from pick list: domManufacturer	
R	Valve closure rotation direct	ion	Select from pick list: domValveClosureRotation	
S	Situation of Valve		Select from pick list: domValveSituation	///////////////////////////////////////
Т	Main function of valve		Select from pick list: domWwValveFunction	
U	Valve control point		Select from pick list: domValveControlPoint	
V	Manufacturer warranty refer	ence	data - Text (50 Characters)	
W	Manufacturer warranty term	in years	data - Number	
	nal Information her columns must be l	eft ``blank″ or hold the	e value "LEAVE BLANK" as default in CAT	



Name		ww Reducing	Coupler (Point)	
Point Type F06 "Point Asset Inputs"		F06 "Point Asset Inpu	its"	Constant of standards
				Centre of structure
CAT Column	SAG Description		Valid Values	XY
А	Type of Point Feature		F06	
В	Type of Fitting		Select from pick list: domWwFittingType	
С	Asset Record Capture Typ	e	Select from pick list: domAssetRecordCaptureType	EK
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign	12 Horac to
E	Asset Unique Identifier		data - Text (100 Characters)	
F	Centre of structure in East	ing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	BK DN63/50 REDUCING
G	Centre of structure in North	ning coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	COUPLER
Н	Leave Blank		Leave Blank	DNSO
I	Leave Blank		Leave Blank	BK
J	Leave Blank		Leave Blank	
К	Date of commission		data - Date (dd/mm/yyyy)	
L	Location certainty - accura	cy of data	Select from pick list: domLocationCertainty	
М	Name of main contractor w		Select from pick list: domInstallationCompany	
Ν	Date of 'survey start'		data - Date (dd/mm/yyyy)	A A A A A A A A A A A A A A A A A A A
	nal Information ner columns must be	left "blank" or hold t	he value "LEAVE BLANK" as default in CAT	



		www.riessui	re Sewer System Control Panel (Point)	
Point Ty	/pe	F07 "Point Asset	Inputs"	Centre of structure
CAT Column	SAG Description		Valid Values	ХҮ
А	Type of Point Feature		F07	Front Soundary
В	Type of Panel		Select from pick list: domWwLocalPressureControlPanelType	
С	Asset Record Capture Typ	De	Select from pick list: domAssetRecordCaptureType	
D E F	Differs from design (yes/ne	0)	Select from pick list: domDiffersFromDesign	
E	Asset Unique Identifier		data - Text (100 Characters)	
F	Centre of Structure in Eas	ting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Centre of Structure in Nor	thing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	Lange Contract of
Н	Leave Blank		Leave Blank	0 · · · D · ·
	Leave Blank		Leave Blank	Control Panel
J	Leave Blank		Leave Blank	
К	Date of commission		data - Date (dd/mm/yyyy)	
L	Location certainty - accura	acy of data	Select from pick list: domLocationCertainty	
М	Name of main contractor v	who installed the asset	Select from pick list: domInstallationCompany	
N	Date of 'survey start'		data - Date (dd/mm/yyyy)	
0	Leave Blank		Leave Blank	
Р	Leave Blank		Leave Blank	
Q	Manufacturer of asset		Select from pick list: domWwLocalPressureControlPanelManufacturer	4
R	Telemetry type		Select from pick list: domTelemetryType	
S	Leave Blank		Leave Blank	
Т	Leave Blank		Leave Blank	
U	Leave Blank		Leave Blank	Power sup
V	Manufacturer warranty ref	erence	data - Text (50 Characters)	
W	Manufacturer warranty ter	m in years	data - Number	
Additio	onal Information			
		left "blank" or bo	ld the value "LEAVE BLANK" as default in CAT	



Name Line Typ		Sewer System Lateral (Line)	хү
Line Typ			
CAT Column	SAG Description	Valid Values	
A	Type of Line Feature	F08	The service of the se
В	Type of Lateral	Select from pick list: domWwLateralType	
С	Asset Record Capture Type	Select from pick list: domAssetRecordCaptureType	
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign	Rich
E	Asset Unique Identifier	data - Text (100 Characters)	2 Billing A
F	Line Vertex Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
F G H	Line Vertex Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
Н	Leave Blank	Leave Blank	
1	Number of Vertex (point along line)	data - Number	TITE BUNSO
J	Material of pipe	Select from pick list: domPipeConstruction	
К	Nominal diameter in mm - (mm)	Select from pick list: domPipeNominalDiameter	Ellippe
К L	Leave Blank	Leave Blank	
М	Leave Blank	Leave Blank	
N	Manufacturer of asset	Select from pick list: domManufacturer	~ /
0	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany	air
Р	Pressure class (PN)	Select from pick list: domPipePressureClass	$\geq P_{resch}$
Q	Stiffness rating (SN)	Select from pick list: domPipeStiffnessClass	Pressure Lateral
R S	Concrete Load Class	Select from pick list: domPipeLoadClass	
S	Date of commission	data - Date (dd/mm/yyyy)	
T	Location certainty - accuracy of data	Select from pick list: domLocationCertainty	
U V	Date of 'survey start'	data - Date (dd/mm/yyyy)	
V	Shape of pipe	Select from pick list: domPipeShape	
W	Average burial depth to invert of pipe - (m)	data - Decimal Number (6 Chars, 3 Decimals)	
Х	Method by which the pipe was installed	Select from pick list: domPipeInstallationMethod	
Y	Leave Blank	Leave Blank	
Z	Do several units share this lateral? (yes/no)	Select from pick list: domLateralSharedConnection	
AA	Type of lateral junction	Select from pick list: domWwEyeType	
AB	Distance of IP from lateral start (from connection to exis lateral) - (mm)	ting private data - Decimal Number (9 Chars, 3 Decimals)	All bends, start/end points to be
Additio	nal Information		surveyed.
*All ot	per columns must be left "blank" or hold	the value "LEAVE BLANK" as default in CAT	Create one CAT row per surveyed
	ature requires at least two row entries.		point.



Name Line Typ		Asset Inputs"	х ү
CAT Column	SAG Description	Valid Values	Fort Souther
	Type of Line Feature	F10	
В	Type of Cable	Select from pick list: domCableType	
C	Asset Record Capture Type	Select from pick list: domAssetRecordCaptureType	
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign	
E	Asset Unique Identifier	data - Text (100 Characters)	5
F	Line Vertex Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Line Vertex Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	Control Panel
H	Leave Blank	Leave Blank	
1	Number of Vertex (point along line)	data - Number	
J	Conduit Material	Select from pick list: domCableConduitConstruction	
К	Conduit Diameter - (mm)	data - Number	
L	Leave Blank	Leave Blank	
М	Leave Blank	Leave Blank	
Ν	Leave Blank	Leave Blank	
0	Name of main contractor who installed the	sset Select from pick list: domInstallationCompany	2
Р	Leave Blank	Leave Blank	
Q	Leave Blank	Leave Blank	
R	Leave Blank	Leave Blank	
S	Date of commission	data - Date (dd/mm/yyyy)	Power sup
Т	Location certainty - accuracy of data	Select from pick list: domLocationCertainty	
U	Date of 'survey start'	data - Date (dd/mm/yyyy)	
V	Leave Blank	Leave Blank	
W	Leave Blank	Leave Blank	
Х	Method by which the cable was installed	Select from pick list: domCableInstallationMethod	All bends, start/end points to be
			surveyed.
	nal Information	or hold the value "LEAVE BLANK" as default in CAT	Create one CAT row per surveyed
	ature requires at least two row		point.
	-	starting with the downstream end	



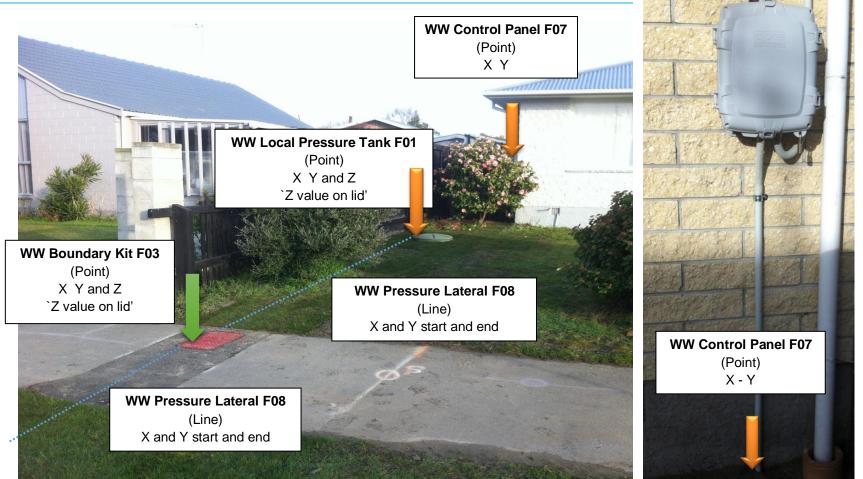


Figure 34: Pressure System Layout for a Typical Household



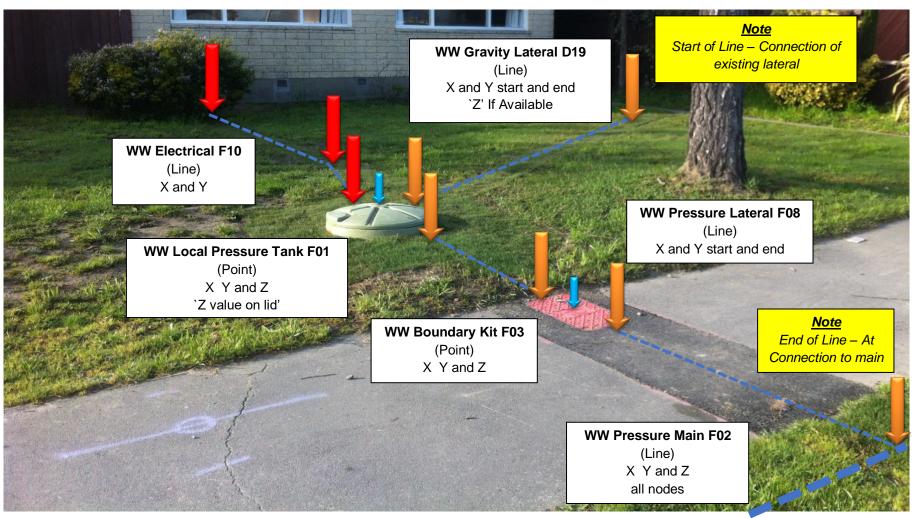


Figure 35: WW Pressure System Layout Overview