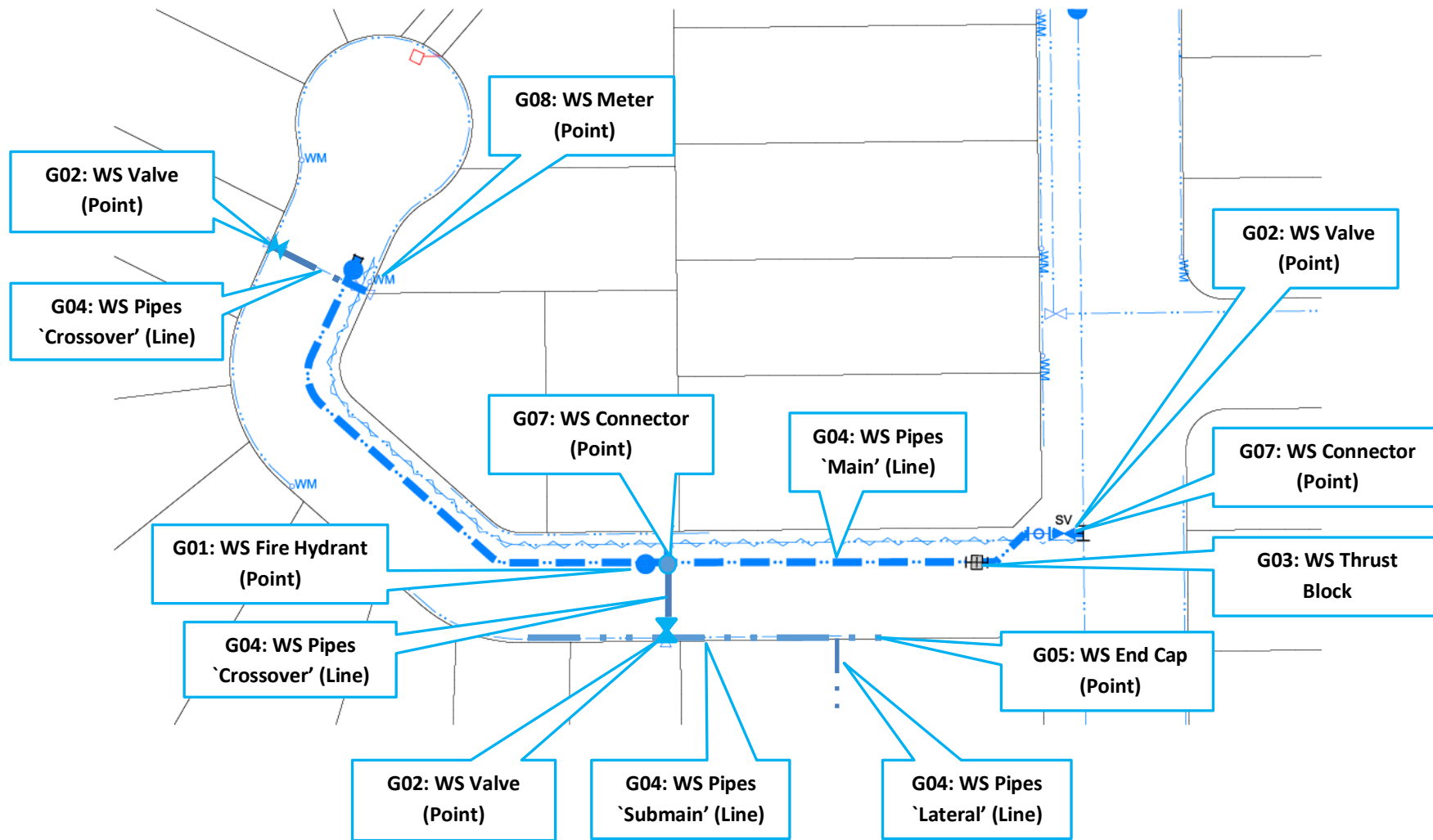
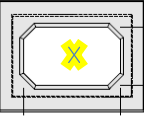
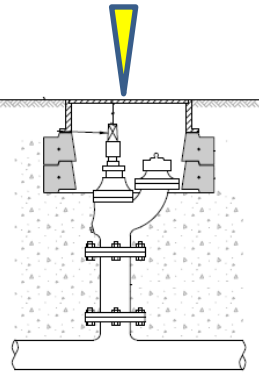


## Appendix G As-built Requirements for Water Supply

Appendix G As-built Requirements for Water Supply .....	1
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## Reticulated Water – Overview

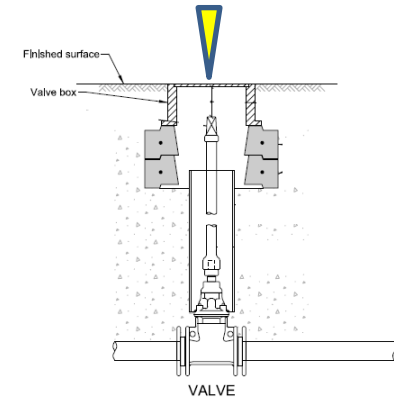
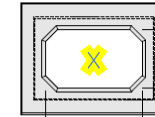
As-Built requirements (WS)			
<b>G01: WS Fire Hydrant</b>	<b>Name</b>	<b>WS Fire Hydrant (Point)</b>	
	<b>Point Type</b>	<b>G01 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G01
	B	Type of Hydrant	Select from pick list: domWsHydrantType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	RL on lowest corner of lid - (m)	data - Decimal Number (6 Chars, 3 Decimals)
	I	Leave Blank	Leave Blank
	J	Leave Blank	Leave Blank
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
	M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
	N	Date of 'survey start'	data - Date (dd/mm/yyyy)
O	Leave Blank	Leave Blank	
P	Leave Blank	Leave Blank	
Q	Manufacturer of asset	Select from pick list: domManufacturer	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			
		<p><b>Centre of hydrant X Y and Z</b></p>   <p>FIRE HYDRANT</p>	

As-Built requirements (WS)

G02: WS Valve

<b>Name</b>		<b>WS Valve (Point)</b>	●
<b>Point Type</b>		<b>G02 "Point Asset Inputs"</b>	
<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>	
A	Type of Point Feature	G02	
B	Type of Valve	Select from pick list: domWsValveType	
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)	
F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)	
H	RL on lowest corner of lid - (m)	data - Decimal Number (6 Chars, 3 Decimals)	
I	Leave Blank	Leave Blank	
J	Nominal diameter in mm - (mm)	Select from pick list: domValveNominalDiameter	
K	Date of commission	data - Date (dd/mm/yyyy)	
L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty	
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany	
N	Date of 'survey start'	data - Date (dd/mm/yyyy)	
O	Valve normal operating position - open or closed	Select from pick list: domValveNormalPosition	
P	Manual or motorised valve	Select from pick list: domValveActuation	
Q	Manufacturer of asset	Select from pick list: domManufacturer	
R	Valve closure rotation direction	Select from pick list: domValveClosureRotation	
S	Situation of Valve	Select from pick list: domValveSituation	
T	Main function of valve	Select from pick list: domWsValveFunction	
U	Valve control point	Select from pick list: domValveControlPoint	
V	Manufacturer warranty reference	data - Text (50 Characters)	
W	Manufacturer warranty term in years	data - Number	
X	Pressure triggering opening/closing of valve in kPa - (kPa)	data - Number	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			

Centre of valve  
X Y Z



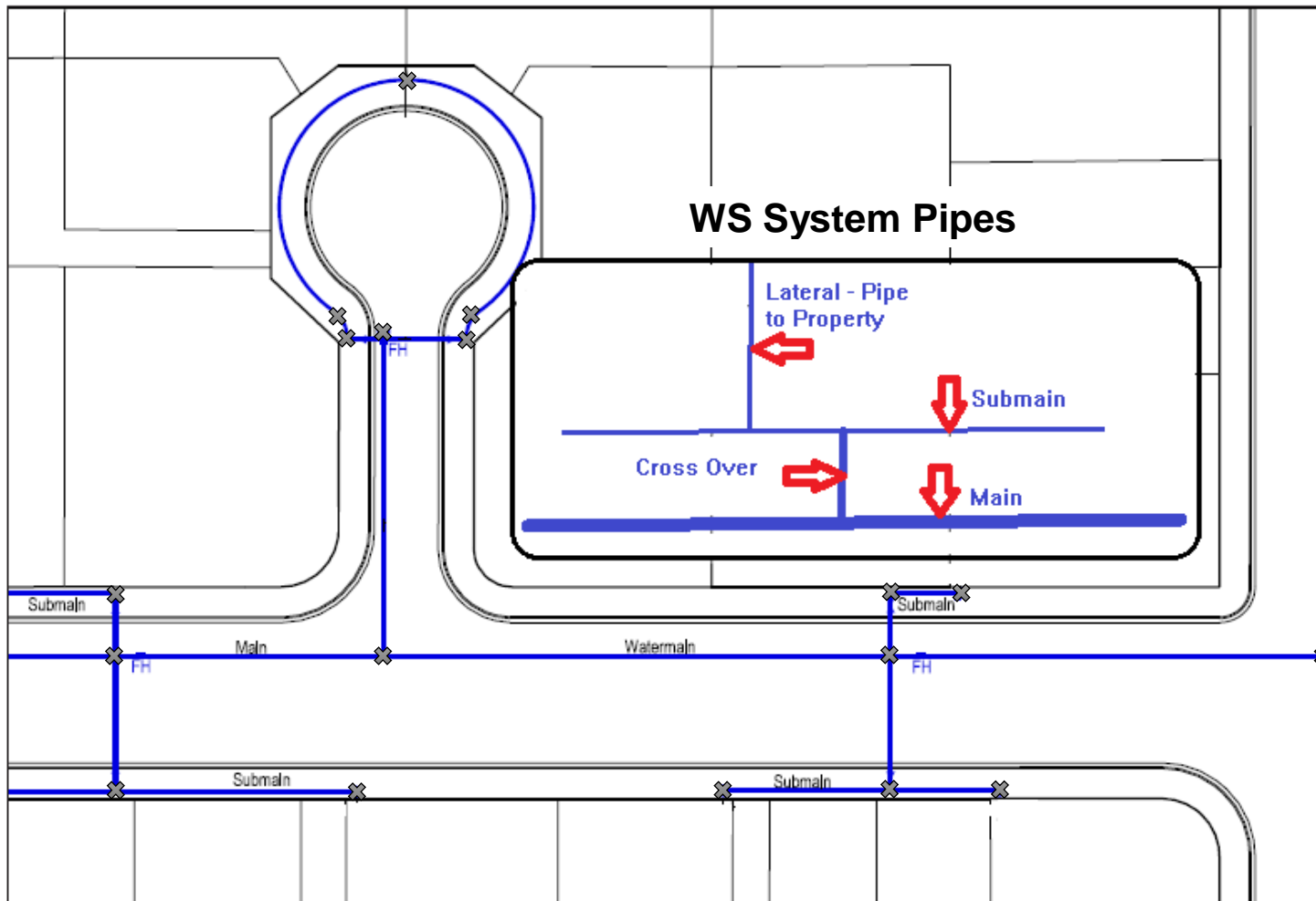


Figure WS System Pipes

As-Built requirements (WS)

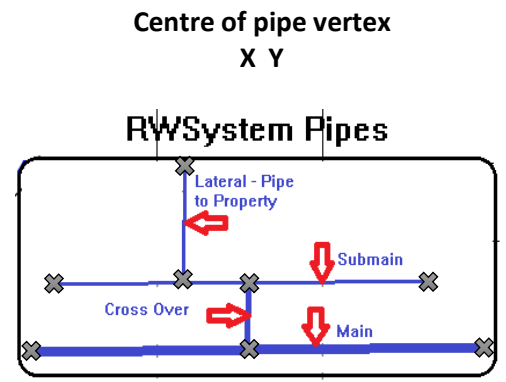
<b>Name</b>	<b>WS Pipes (Line)</b>
<b>Line Type</b>	<b>G04 "Line Asset Inputs"</b>




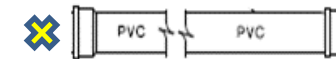
G04: WS Pipes

CAT Column	SAG Description	Valid Values
A	Type of Line Feature	G04
B	Type of Pipe	Select from pick list: domWsPipeType
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)
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)
H	Invert level at vertex - (m)	data - Decimal Number (6 Chars, 3 Decimals)
I	Number of Vertex (point along line)	data - Number
J	Material of pipe	Select from pick list: domWsPipeConstruction
K	Nominal diameter in mm - (mm)	Select from pick list: domPipeNominalDiameter
L	Leave Blank	Leave Blank
M	Leave Blank	Leave Blank
N	Manufacturer of asset	Select from pick list: domManufacturer
O	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
P	Pressure class (PN)	Select from pick list: domPipePressureClass
Q	Stiffness rating (SN)	Select from pick list: domPipeStiffnessClass
R	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	Date of 'survey start'	data - Date (dd/mm/yyyy)
V	Leave Blank	Leave Blank
W	Average burial depth to invert of pipe - (m)	data - Decimal Number (6 Chars, 3 Decimals)
X	Method by which the pipe was installed	Select from pick list: domPipeInstallationMethod

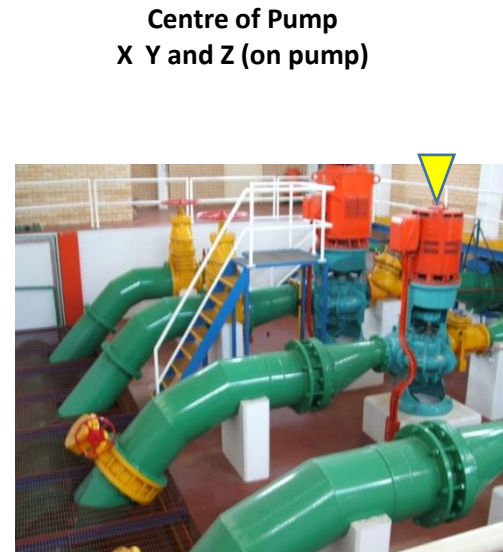
**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
 Use this feature for all WS pipe types incl. laterals.  
 All bends, start/end points to be surveyed. Create one CAT row per surveyed point.  
 This feature requires at least two row entries.  
 Col I: enter number of vertex along line starting with the downstream end



As-Built requirements (WS)			
<b>G05: WS End Cap</b>	<b>Name</b>	<b>WS End Cap (Point)</b> 	
	<b>Point Type</b>	<b>G05 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G05
	B	Type of Fitting	Select from pick list: domWsFittingType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Leave Blank	Leave Blank
	I	Leave Blank	Leave Blank
	J	Leave Blank	Leave Blank
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany	
N	Date of 'survey start'	data - Date (dd/mm/yyyy)	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			



As-Built requirements (WS)			
<b>G06: WS Pump</b>	<b>Name</b>	<b>WS Pump (Point)</b>	
	<b>Point Type</b>	<b>G06 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G06
	B	Type of Pump	Select from pick list: domWsPumpType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Height above datum - (m)	data - Decimal Number (6 Chars, 3 Decimals)
	I	Leave Blank	Leave Blank
	J	Leave Blank	Leave Blank
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
	M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
	N	Date of 'survey start'	data - Date (dd/mm/yyyy)
	O	Name and/or number of pump station	data - Text (50 Characters)
	P	Leave Blank	Leave Blank
	Q	Manufacturer of asset	Select from pick list: domManufacturer
R	Serial number of asset	data - Text (50 Characters)	
S	Backup energy source	Select from pick list: domBackupEnergySource	
T	Situation of Pump	Select from pick list: domPumpSituation	
U	Maximum capacity of pump in litres per hour	data - Number	
V	Manufacturer warranty reference	data - Text (50 Characters)	
W	Manufacturer warranty term in years	data - Number	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			





As-Built requirements (WS)

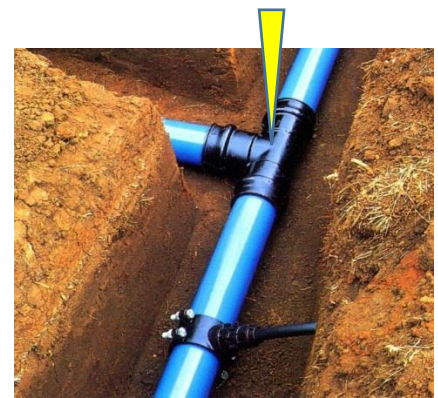
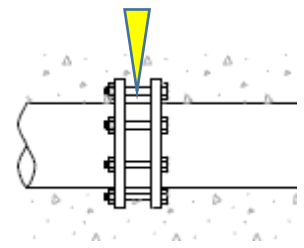
<b>Name</b>	<b>WS Connector (Point)</b>
<b>Point Type</b>	<b>G07 "Point Asset Inputs"</b>

**G07: WS Connector**

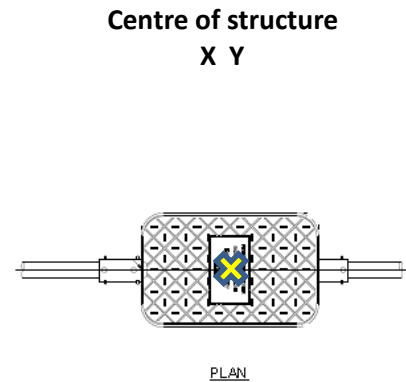
CAT Column	SAG Description	Valid Values
A	Type of Point Feature	G07
B	Type of Fitting	Select from pick list: domWsFittingType
C	Asset Record Capture Type	Select from pick list: domAssetRecordCaptureType
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign
E	Asset Unique Identifier	data - Text (100 Characters)
F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
H	Leave Blank	Leave Blank
I	Leave Blank	Leave Blank
J	Leave Blank	Leave Blank
K	Date of commission	data - Date (dd/mm/yyyy)
L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
N	Date of 'survey start'	data - Date (dd/mm/yyyy)

**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT Connectors on laterals and between laterals and submains are not required.

**Centre of Connector  
X Y**



As-Built requirements (WS)			
<b>G08: WS Meter</b>	<b>Name</b>	<b>WS Meter (Point)</b>	
	<b>Point Type</b>	<b>G08 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G08
	B	Type of Connection	Select from pick list: domWsConnectionType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Leave Blank	Leave Blank
	I	Leave Blank	Leave Blank
	J	Nominal diameter in mm - (mm)	Select from pick list: domWsConnectionNominalDiameter
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
	M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
	N	Date of 'survey start'	data - Date (dd/mm/yyyy)
	O	Leave Blank	Leave Blank
	P	Leave Blank	Leave Blank
	Q	Manufacturer of asset	Select from pick list: domWsConnectionManufacturer
R	Serial number of asset	data - Text (50 Characters)	
S	Type of Telemetry	Select from pick list: domTelemetryType	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			



As-Built requirements (WS)

<b>Name</b>	<b>WS Reservoir (Outline)</b>
<b>Polygon Type</b>	<b>G09 "Polygon Asset Inputs"</b>



G09: WS Reservoir



CAT Column	SAG Description	Valid Values
A	Type of Polygon Feature	G09
B	Type of Reservoir	Select from pick list: domWsReservoirType
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)
F	Polygon Vertex Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
G	Polygon Vertex Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
H	Height above datum - (m)	data - Decimal Number (6 Chars, 3 Decimals)
I	Number of Vertex (point along outline)	data - Number
J	Leave Blank	Leave Blank
K	Leave Blank	Leave Blank
L	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
M	Date of commission	data - Date (dd/mm/yyyy)
N	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
O	Date of 'survey start'	data - Date (dd/mm/yyyy)
P	Name of reservoir	data - Text (50 Characters)
Q	Volume in cubic metres	data - Number
R	Type of security on access	Select from pick list: domAccessSecurity

All corner points along outline to be surveyed.  
Create one CAT row per surveyed point.


**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
 All corner points along outline to be surveyed. Create one CAT row per surveyed point. This feature requires at least three row entries.  
 Col I: enter number of vertex along outline

**Outline of structure  
X Y and Z**



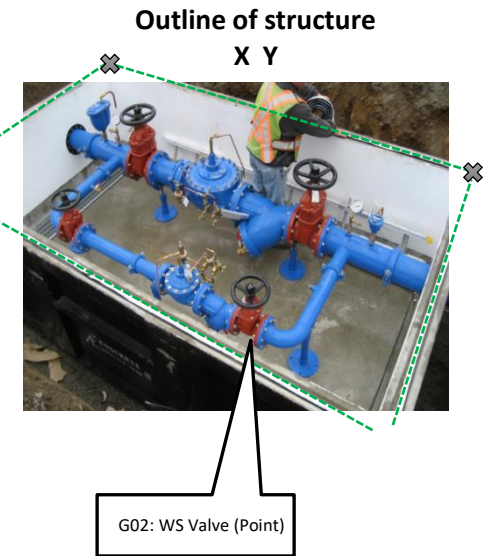
As-Built requirements (WS)			
<b>G10: WS Reservoir Inlet/Outlet</b>	<b>Name</b>	<b>WS Reservoir Inlet/Outlet (Point)</b> 	
	<b>Point Type</b>	<b>G10 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G10
	B	Asset type on which the Inlet/Outlet is installed	Select from pick list: domWsOutletType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Leave Blank	Leave Blank
	I	Leave Blank	Leave Blank
	J	Leave Blank	Leave Blank
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany	
N	Date of 'survey start'	data - Date (dd/mm/yyyy)	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			
		<p><b>Centre of structure</b> <b>X Y</b></p> 	

As-Built requirements (WS)


<b>Name</b>	<b>WS Structure (Outline)</b>
<b>Polygon Type</b>	G11 "Polygon Asset Inputs" 

**G11: WS Structure**

CAT Column	SAG Description	Valid Values
A	Type of Polygon Feature	G11
B	Type of Structure	Select from pick list: domWsStructureType
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)
F	Polygon Vertex Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
G	Polygon Vertex Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
H	Leave Blank	Leave Blank
I	Number of Vertex (point along outline)	data - Number
J	Predominant material of structure	Select from pick list: domAccessConstruction
K	Leave Blank	Leave Blank
L	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
M	Date of commission	data - Date (dd/mm/yyyy)
N	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
O	Date of 'survey start'	data - Date (dd/mm/yyyy)
P	Type of security on access	Select from pick list: domAccessSecurity
Q	Tank Capacity - (Litres)	data - Number
R	Construction style (for tanks)	Select from pick list: domWsStructureConstructionStyle


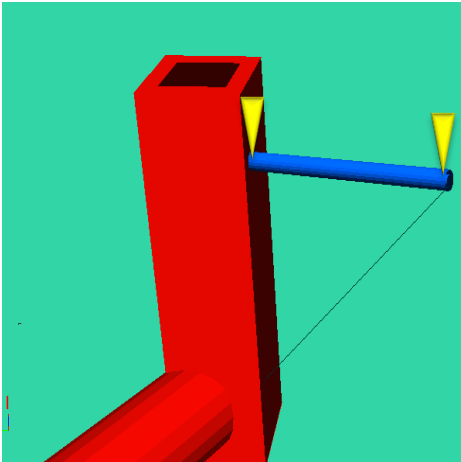


**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
 All corner points along outline to be surveyed. Create one CAT row per surveyed point. This feature requires at least three row entries.  
 Col I: enter number of vertex along outline

As-Built requirements (WS)			
<b>G12: WS Restrictor</b>	<b>Name</b>	<b>WS Restrictor (Point)</b> 	
	<b>Point Type</b>	<b>G12 "Point Asset Inputs"</b>	
	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Point Feature	G12
	B	Type of Connection	Select from pick list: domWsConnectionType
	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)
	F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Leave Blank	Leave Blank
	I	Leave Blank	Leave Blank
	J	Nominal diameter in mm - (mm)	Select from pick list: domWsConnectionNominalDiameter
	K	Date of commission	data - Date (dd/mm/yyyy)
	L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
	M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
	N	Date of 'survey start'	data - Date (dd/mm/yyyy)
	O	Leave Blank	Leave Blank
	P	Leave Blank	Leave Blank
	Q	Manufacturer of asset	Select from pick list: domWsConnectionManufacturer
R	Serial number of asset	data - Text (50 Characters)	
S	Type of Telemetry	Select from pick list: domTelemetryType	
T	Flow rate in cubic metres per day	Select from pick list: domWsConnectionRestrictorCapacity	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			

Centre of restrictor  
X Y



As-Built requirements (WS)			
	Name	<b>Flush Tank Water Supply (Line)</b> 	
	Line Type	G15 "Line Asset Inputs"	<b>Centre of structure X Y</b>
<b>G15: Flush Tank Water Supply</b>	<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
	A	Type of Line Feature	G15
	B	Type of Pipe	Select from pick list: domWwPipeType
	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)
	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)
	H	Invert level at vertex - (m)	data - Decimal Number (6 Chars, 3 Decimals)
	I	Number of Vertex (point along line)	data - Number
	J	Material of pipe	Select from pick list: domPipeConstruction
	K	Nominal diameter in mm - (mm)	Select from pick list: domPipeNominalDiameter
	L	At Node - Asset Unique Identifier	data - Text (50 Characters)
	M	To Node - Asset Unique Identifier	data - Text (50 Characters)
	N	Manufacturer of asset	Select from pick list: domWwPipeManufacturer
	O	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
	P	Pressure class (PN)	Select from pick list: domWwPipePressureClass
	Q	Stiffness rating (SN)	Select from pick list: domPipeStiffnessClass
	R	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	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)	
X	Method by which the pipe was installed	Select from pick list: domPipeInstallationMethod	
<b>Additional Information</b>			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT			
All beds, start/end points to be surveyed. Create one CAT row per surveyed point. This feature requires at least two row entries. Col I: enter number of vertex along line starting with the downstream end			



As-Built requirements (WS)

<b>Name</b>	<b>Structural Pipe Protection (Line)</b>
<b>Line Type</b>	G16 "Line Asset Inputs"

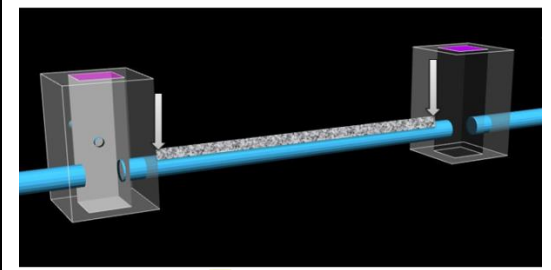


G16: Structural Pipe Protection

CAT Column	SAG Description	Valid Values
A	Type of Line Feature	G16
B	Type of Structural Pipe Protection	Select from pick list: domWsPipeProtectionType
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)
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)
H	Leave Blank	Leave Blank
I	Number of Vertex (point along line)	data - Number
J	Leave Blank	Leave Blank
K	Leave Blank	Leave Blank
L	Leave Blank	Leave Blank
M	Leave Blank	Leave Blank
N	Leave Blank	Leave Blank
O	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
P	Leave Blank	Leave Blank
Q	Leave Blank	Leave Blank
R	Leave Blank	Leave Blank
S	Date of commission	data - Date (dd/mm/yyyy)
T	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
U	Date of 'survey start'	data - Date (dd/mm/yyyy)


**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
 This feature requires at least two row entries.  
 Col I: enter number of vertex along line starting with the downstream end

Pipe Protection X Y



Create one CAT row per surveyed point.



As-Built requirements (WS)			
<b>G17: Air Gap Separator</b>	<b>Name</b>	<b>Air Gap Separator (Point)</b> 	
	<b>Point Type</b>	<b>G17 "Point Asset Inputs"</b>	
	<b>CAT Column</b>		
	<b>SAG Description</b>		
	<b>Valid Values</b>		
	A	Type of Point Feature	G17
	B	Type of Air Gap Separator	Air Gap Separator
	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)
	F	Centre of structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
	H	Leave Blank	Leave Blank
	I	Leave Blank	Leave Blank
	J	Nominal diameter in mm - (mm)	Select from pick list: domAirGapSeparatorNominalDiameter
K	Date of commission	data - Date (dd/mm/yyyy)	
L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty	
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany	
N	Date of 'survey start'	data - Date (dd/mm/yyyy)	
O	Leave Blank	Leave Blank	
P	Leave Blank	Leave Blank	
Q	Manufacturer of asset	Select from pick list: domManufacturer	
R	Leave Blank	Leave Blank	
S	Type of security on access	Select from pick list: domAccessSecurity	
<b>Additional Information</b>			
		*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT	

Centre of structure  
X Y



As-Built requirements (WS)

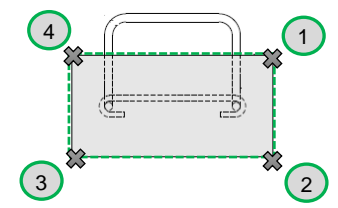
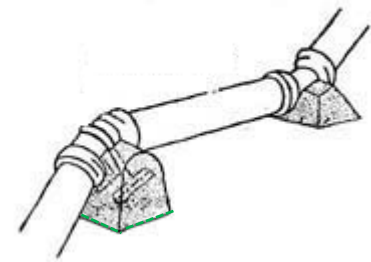
<b>Name</b>	<b>WS Thrust Block – Non – Standard (Outline)</b>
<b>Polygon Type</b>	<b>G18 "Polygon Asset Inputs"</b>



G18: WS Thrust Block – Non – Standard

CAT Column	SAG Description	Valid Values
A	Type of Polygon Feature	G18
B	Type of Thrust Block	Select from pick list: domWsPipeRestraintType
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)
F	Polygon Vertex Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
G	Polygon Vertex Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
H	Leave Blank	Leave Blank
I	Number of Vertex (point along outline)	data - Number
J	Predominant material of structure	Select from pick list: domAccessConstruction
K	Leave Blank	Leave Blank
L	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
M	Date of commission	data - Date (dd/mm/yyyy)
N	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
O	Date of 'survey start'	data - Date (dd/mm/yyyy)
P	Type of security on access	Select from pick list: domAccessSecurity
Q	Tank Capacity - (Litres)	data - Number
R	Construction style (for tanks)	Select from pick list: domWsStructureConstructionStyle

**Thrust Block Outline of Structure**  
X Y



**Additional Information**  
 \*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
 This feature requires at least two row entries.  
 For non-standard thrust blocks, all corner points along outline are to be surveyed.  
 Col I: enter number of vertex along outline

As-Built requirements (WS)		
<b>Name</b>		<b>WS Thrust Block – Standard (Point)</b>
<b>Point Type</b>		<b>G19</b> "Point Asset Inputs"
<b>CAT Column</b>	<b>SAG Description</b>	<b>Valid Values</b>
A	Type of Point Feature	G19
B	Type of Thrust Block	Select from pick list: domWsPipeRestraintType
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)
F	Centre of Structure in Easting coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
G	Centre of Structure in Northing coordinate - (m)	data - Decimal Number (12 Chars, 2 Decimals)
H	Leave Blank	Leave Blank
I	Leave Blank	Leave Blank
J	Leave Blank	Leave Blank
K	Date of commission	data - Date (dd/mm/yyyy)
L	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
M	Name of main contractor who installed the asset	Select from pick list: domInstallationCompany
N	Date of 'survey start'	data - Date (dd/mm/yyyy)
<b>Additional Information</b>		
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT For standard shaped thrust blocks, just the centre of structure is to be surveyed Col I: enter number of vertex along outline		

G19: WS Thrust Block – Standard

**Thrust Block Centre of Structure  
X Y**

