

ADAC **Asset Data Dictionary**

4th April 2022

V5.01.00

GROUP	Project	DESCRIPTION	Data structure constraining information for Proje	ect.

ASSET ELEMENT	DESCRIPTION	FEATURE	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION
ADAC	The ADAC element is the root element of an ADAC XML. It constrains all enclosed	Project	The Project element encloses all data that is common to the whole project.	ExportDateTime	Export date and time in UTC. Format is yyyy-mm-ddThh:mm:ssZ (eg 2006-08-08T20:00:00Z) ISO 8601.		
	elements as follows. There can be no other element in the root level of the document.		In Version 4.1.0, for technical simplicity, only a single project may exist within an instance document, but in future it may be feasible for multiple independent projects to be delivered in a single instance. In version 4.2.0 while this limitation remains, certain fields at the	Name Owner Receiver WorksApprovalID	The project or development name. Are assets for the whole project owned by Council or another entity. The receiver of the ADAC file The works approval ID for the development that this information represents.		
			project level have been repeated at the asset level to allow assets to differ from the global values set in Project	DrawingNumber	The Council drawing number of the as constructed plans. This may not be known at the time of compilation.		
				DrawingRevision	Date the drawing was revised. ISO 8601 is the accepted format.		
				ConstructionDate	The accepted date of construction for the whole project. Usually the project completion date. ISO 8601 is the accepted format. Date may be used to calculate remaining life in an asset management system.		
				CoordinateSystem	Records the particulars of the horizontal and vertical coordinate systems for the whole project.	System	Specifies the horizontal coordinate system used. e.g. MGA56. Well known projections may be referred to by name only. All spatial information in the project will be considered to be referenced to this system. If custom local plane systems or projections are used by agreement with the receiver, then any parameters should be specified in the notes.
						HorizontalDatum VerticalDatum IsApproximate	To Specify the Datum that the Horizontal Coordinate System is based on. E.g. GDA94. To Specify the Datum of Height values. E.g. AHD. Are the values supplied accurate or approximations. If data is plane rectangular approximating MGA-56 then set to true
				DrawingExtents Description ProjectStatus		OriginMark Notes SouthWest NorthEast	When data is plane rectangular this is the Permanent Survey Mark used as the origin. To contain any additional data required to specify the coordinate system The coordinates of the southwest corner. The coordinates of the northeast corner.
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	same as Asset_status, which is at the asset level Submission Status is usually related to the development assesment process or to data transfer between entities or systems		
				Software Surveyor	surveyor.	Product Version SurveyorName DateFinalSurvey DateApproved	The name of the software product. The version or release number of the product. The name of the surveyor. The date of the final survey. ISO 8601 is the accepted format. The date of the final approval. ISO 8601 is the accepted format.
				Engineer ProjectData	Structure containing information from the certifying engineer.	EngineerName DateApproved Sewerage	The tate of the limit approval. 30 over 15 per excepted format. The name of the consulting engineer The date of approval. ISO 8601 is seen excepted format. The Sewerage element encloses all sewerage (waste water) feature descriptions.
				FiojestData		Transport WaterSupply StormWater	The Roads element encloses all roads feature descriptions. The Water element encloses all water supply feature descriptions. The StormWater element encloses all stormwater feature descriptions.
						OpenSpace Cadastre Surface Enhancements	The OpenSpace element encloses all public open space feature descriptions. The Cadastre element encloses all cadastral feature descriptions. The Surface element encloses Supplementary surface feature descriptions. The Enhancements element encloses enhacements such as annotations and dimensions.
						Supplementary	The Supplementary element encloses all feature data not described specifically in the schema. It is recommended to keep the use of unstructured data to a bare minimum.

ASSET GROUP Transport DESCRIPTION Data structure constraining information for Road related features.

		DESCRIPTION DATE STRUCTURE CONSTRAINING MINIMALON FOR TOTAL DESCRIPTION ENUMERATION DESCRIPTION ENUMERATION DESCRIPTION ENUMERATION DESCRIPTION DESCRIPTIO		LENUMERATION DESCRIPTION					
ASSET TYPE				ENUMERATION \ DETAIL		ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION	DESCRIPTION
Pavement	Represents an area of road pavement.	Name Surface	The gazetted, or proposed, road name.	SurfaceType	String 254 The surface type of the road or street	AC	Asphalt		
		Gundoe	Data container for surface characteristics.	Curiace type	The Surface type of the rodu of Street	FDA	Full Depth Asphalt		
						2CBS	2 Coat Prime and Seal		
						1CBS	1 Coat Prime and Seal		
							Dust Seal		
						SMA SSSL	Stone Mastic Asphalt Slurry Seal		
							Concrete Pavers		
						Concrete	Concrete, Stencilled/Aggregate		
							Brick Pavers		
						GRVL PMB	Gravel Road Poly Modified Bitumen		
							Earth		
						GCELL	Grass Cell		
				SurfaceThickness mm	The surface thickness in millimetres		positiveInteger		
				SurfaceNomWidth_m	The nominal width of the surface of the road or street		Float_Positive_NonZero		
		PavementStructure	Data container for pavement structure	PavementType	as a decimal number in metres. Pavement construction type	Flexible	Flexible pavement		
		ravementstructure	characteristics.	r aveille it i ype	ravement construction type		Rigid pavement		
						Floodway	Pavement section hardened for flood passage.		
				BaseLayer	Describes the pavement base layer	LayerType	Construction type of the base layer. Must be Concrete	GR21	Gravel 2.1 CBR80
							if PavementType is Rigid, otherwise must not be		Gravel 2.2 CBR60-80
							Concrete	GR23	Gravel 2.3 CBR45-60 Gravel 2.4 CBR35-45
								GR24 GR25	Gravel 2.5 CBR15-35
								NGRL	Natural Gravel/Conglomerate
								Earth	Earth
									Asphalt
						LayerDepth mm	Base layer depth in millimetres	Concrete	Concrete Float Positive NonZero
						Stabilisation	Base layer stabilisation method	Lime	Lime
									Foamed Bitumen
								Geogrid	Earth Reinforcing Mat
				Cut Decel avec	Describes the revenuent sub-base level	.	Construction time of the sub-base laws	Cement GR21	Cement Gravel 2.1 CBR80
				SubBaseLayer	Describes the pavement sub-base layer	LayerType	Construction type of the sub-base layer.	GR21 GR22	Gravel 2.1 CBR80 Gravel 2.2 CBR60-80
								GR23	Gravel 2.3 CBR45-60
								GR24	Gravel 2.4 CBR35-45
									Gravel 2.5 CBR15-35
								NGRL	Natural Gravel/Conglomerate
						LayerDepth mm	Sub-base layer depth in millimetres	Earth	Earth Float Positive NonZero
						Stabilisation	Sub-base layer stabilisation method	Lime	Lime
									Foamed Bitumen
									Earth Reinforcing Mat
				LowerSubBaseLayer	Describes the payament lower sub-base layer	LauraTima	Construction type of the lower sub-base lover	Cement GEOT	Cement Geotextile
				LowerSubbaseLayer	Describes the pavement lower sub-base layer	LayerType	Construction type of the lower sub-base layer.	Rock	Rock
								GTRK	Geotectile/Rock
								GR25	Gravel 2.5 CBR15-35 Float Positive NonZero
							Lower sub-base layer depth in millimetres		Float Positive NonZero
						Stabilisation	Lower sub-base layer stabilisation method	Lime	Lime Foamed Bitumen
								Geogrid	Earth Reinforcing Mat
								Cement	Cement
		PavementGeoTextile	Pavement geotextile type.	Class A	G Rating range 900 up to 1350				
			Road Pavement Geotextile Types As per MRS11-27 Table 3.	Class B Class C	G Rating range 1350 up to 2000 G Rating range 2000 up to 3000				
			MRS11-27 Table 3.	Class D	G Rating range 3000 up to 4500				
				Class E	G Rating 4500				
		SubGrade	Data container for subgrade structure	CBR	California Bearing Ratio. An expression of the load		positiveInteger		
			characteristics.	0.17.7	bearing and shear properties of the material.		Davis		
				Stabilisation	Subgrade stabilisation method	Lime Foamed Bitumen	Lime Foamed Bitumen		
							Foamed Bitumen Earth Reinforcing Mat		
							Cement		
		Geometry	Polygon geometry delineating the				geometry_area_multipatch_complex		
Davidsian	Department on the of marking parameter	Nama	pavement area in coordinate space.		Christa OSA				
Parking	Represents an area of parking pavement.	Name NoOfCarparks	Parking area name Number of individual vehicle spaces.		String 254 positiveInteger				
		OnOffStreet	Value indicating whether the parking is an	On Street	On street parking				
			uninterupted part of the road pavement, or	Off Street	Off street parking				
		Surface	Data container for surface characteristics.	SurfaceType	The surface type of the parking area		Asphalt		
							Full Depth Asphalt 2 Coat Prime and Seal		
						1CBS	2 Coat Prime and Seal 1 Coat Prime and Seal		
						DUST	Dust Seal		
						SMA	Stone Mastic Asphalt		
							Slurry Seal		
						CPAV CONC	Concrete Pavers Concrete, Stencilled/Aggregate		
							Brick Pavers		
							Gravel Road		
						PMB	Poly Modified Bitumen		
							Earth Grass Coll		
				SurfaceThickness mm	The surface thickness in millimetres		Grass Cell positiveInteger		
				SurfaceArea_sqm	The area of the parking surface as a decimal number		Float_Positive_NonZero		
					in square metres.				
		PavementStructure	Data container for pavement structure	PavementType	Pavement construction type		Flexible pavement		
			characteristics.			Rigid Floodway	Rigid pavement Pavement section hardened for flood passage		
				BaseLayer	Describes the pavement base layer	LayerType	Construction type of the base layer. Must be Concrete	GR21	Gravel 2.1 CBR80
				,0,		Layor Typo	if PavementType is Rigid, otherwise must not be	GR22	Gravel 2.2 CBR60-80
							Concrete	GR23	Gravel 2.3 CBR45-60

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION\DETAIL	DESCRIPTION	ENUMERATION	DESCRIPTION
ASSELLIFE	-	ENOMERATION (DETAIL	DESCRIPTION	ENGINERATION (DETAIL	DESCRIPTION	ENOMERATION (BETAIL	DESCRIPTION	GR24	Gravel 2.4 CBR35-45
								GR25	Gravel 2.5 CBR15-35
								NGRL ERTH	Natural Gravel/Conglomerate Earth
								AC	Asphalt
								Concrete	Concrete
						LayerDepth mm Stabilisation	Base layer depth in millimetres Base layer stabilisation method	Lime	Float Positive NonZero Lime
						Stabilisation	base layer stabilisation metriou	Foamed Bitumen	Foamed Bitumen
								Geogrid Cement	Earth Reinforcing Mat Cement
				SubBaseLayer	Describes the pavement sub-base layer	LayerType	Construction type of the sub-base layer.	GR21	Gravel 2.1 CBR80
						· · · ·		GR22	Gravel 2.2 CBR60-80
								GR23 GR24	Gravel 2.3 CBR45-60 Gravel 2.4 CBR35-45
								GR25	Gravel 2.5 CBR15-35
								NGRL ERTH	Natural Gravel/Conglomerate Earth
						LayerDepth mm	Sub-base layer depth in millimetres	Litti	Float Positive NonZero
						Stabilisation	Sub-base layer stabilisation method	Lime	Lime Foamed Bitumen
								Geogrid	Earth Reinforcing Mat
								Cement	Cement
				LowerSubBaseLayer	Describes the pavement lower sub-base layer	LayerType	Construction type of the lower sub-base layer.	GEOT	Default Value Geotextile
				•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,,	***************************************	Rock	Rock
								GTRK GR25	Geotectile/Rock Gravel 2.5 CBR15-35
						LayerDepth mm	Lower sub-base layer depth in millimetres	GIVES	Float Positive NonZero
						Stabilisation	Lower sub-base layer stabilisation method	Lime	Lime Foamed Bitumen
								Geogrid	Earth Reinforcing Mat
		D 10 7 17	December of the first	Oliver A	0.8-6			Cement	Cement
		PavementGeoTextile	Pavement geotextile type.	Class A Class B	G Rating range 900 up to 1350 G Rating range 1350 up to 2000				
				Class C	G Rating range 2000 up to 3000				
				Class D Class E	G Rating range 3000 up to 4500 G Rating 4500				
		SubGrade	Data container for subgrade structure	CBR	California Bearing Ratio. An expression of the load		positiveInteger		
			characteristics.	Out the state of	bearing and shear properties of the material.	L. Constanting of the Constantin	L'and		
				Stabilisation	Subgrade stabilisation method	Lime Foamed Bitumen	Lime Foamed Bitumen		
						Geogrid	Earth Reinforcing Mat		
		Geometry	Polygon geometry delineating the		geometry area multipatch complex	Cement	Cement		
			pavement area in coordinate space.		v ,= =				
RoadEdge	Represents an edge feature of a pavement area.	Туре	Road edge configuration	Barrier Kerb Barrier Kerb and Channel	Barrier Kerb Barrier Kerb and Channel				
				Semi-Mountable Kerb	Semi-Mountable Kerb				
				Semi-Mountable Kerb and Channel Mountable Kerb	Semi-Mountable Kerb and Channel Mountable Kerb				
				Mountable Kerb and Channel	Mountable Kerb and Channel				
				Edge Restraint	Edge Restraint				
				Channel Separation Kerb	Channel Separation Kerb				
		Material	Material of Road Edge.	Concrete	Concrete				
				Reinforced Concrete Asphalt	Reinforced Concrete Asphalt				
				Other	Other				
		Width mm	Width in millimetres of the Edge feature.		positiveInteger Float Positive NonZero				
		Length m PavementExtension_mm	Length in metres of edge material. The pavement extension, in millimetres,		positiveInteger				
			behind the back of kerb.						
		Geometry	Polyline geometry describing the feature in coordinate space.		geometry_linear_multipath_complex				
Roadisland	Represents an area of road island , local traffic	Туре	Type of Road Island	Splitter	Splitter Island				
	calming, or median structure. Where the structure			Pedestrian Refuge Center Median	Pedestrian Refuge Center Median				
	incorporates water sensitive urban design (WSUD) features, those features should be independently			Roundabout	Roundabout				
	captured.			Road Hump	Road Hump - speed management measure				
				Chicane LATM	Chicane - often constricting passage to a single lane Local Area Traffic Management feature				
		Area sqm	The area, in square metres, of the infill.	40	Float Positive NonZero				
		InfillType	Type of Road Island Infill	AC Concrete	Asphalt Concrete				
				Grass	Grass				
				Gravel Landscape	Gravel Landscape				
				Pavers	Pavers				
				Synthetic Grass	Synthetic Grass				
				Rubber Other Material	Rubber Other Material				
		Geometry	Polygon geometry describing the feature		geometry_area_multipatch_complex				
Pathway	Represents an on-ground footpath or cycleway	Use	in coordinate space. Intended traffic use of the structure.	Shared	Shared Pedestrian and Cycleway				
	feature. Do not use to describe on-road cycleway.			CycleWay	Bicvcles only				
				Pedestrian Horse Trail	Pedestrians only Defined use horse trail				
				Mountain Bike	Defined use mountain bike trail				
		Structure	Type of notherny etracture A fixed and	Fire Trail	Fire Trail				
		Sudditie	Type of pathway structure. A fixed value o In Ground is required for this sub type	in Ground (nardcoded)	String_32				
		SurfaceMaterial	Surface material of the structure.	Concrete CPAV	Concrete Concrete Pavers				
				BPAV	Brick Pavers				
				Bitumen Gravel	Bitument Gravel				
			_	Giavei	Graver				

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION	DESCRIPTION
				Earth Steel	Earth Steel				
				Stone	Stone				
				Timber	Timber Sand				
		Width m	Nominal width of the pathway in metres.	Sand	Float Positive NonZero				
		Depth_mm	The nominal depth of the pathway material in millimetres.		positiveInteger				
		Geometry	Polyline geometry describing the feature in		geometry_linear_singlepath_complex				
RoadPathway	Represents a linear section of on-road cycleway.	Una	coordinate space. Intended traffic use of the structure.	Shared	Shared Pedestrian and Cycleway				
RoadPathway	Represents a linear section of on-road cycleway.	Use	A fixed value of CycleWay is applied to	CycleWay (hardcoded)	Bicycles only				
			this sub type.	Pedestrian Horse Trail	Pedestrians only Defined use horse trail				
				Mountain Bike	Defined use mountain bike trail				
		Structure	Type of pathway structure. A fixed value of	Fire Trail On Road (hardcoded)	Fire Trail String_32				
			On Road is required for this sub type						
		SurfaceMaterial	Surface material of the structure. A fixed value of Road Pavement is applied	Road Pavement (hardcoded)	String_32				
			to this sub type.						
		Width_m	Nominal width of the marked pathway in metres.		Float_Positive_NonZero				
		Geometry	Polyline geometry describing the feature in		geometry_linear_singlepath_complex				
PathStructure	Represents a structure functioning as a linear	Use	coordinate space. Intended traffic use of the structure.	Shared	Shared Pedestrian and Cycleway				
i atiloti ucture	section of footpath or cycleway. Do not use to	000	mended traine acc or the chactare.	CycleWay	Bicycles only				
	describe on-road cycleway.			Pedestrian Horse Trail	Pedestrians only Defined use horse trail				
				Mountain Bike	Defined use mountain bike trail				
		Structure	Type of pathway structure.	Fire Trail Boardwalk	Fire Trail Boardwalk				
			-,,	Causeway	Causeway				
				Foot Bridge Stairs	Foot Bridge Stairs				
				Ramp	Ramp				
		SurfaceMaterial	Surface material of the structure.	Underpass Concrete	Underpass Concrete				
				CPAV	Concrete Pavers				
				BPAV Bitumen	Brick Pavers Bitumen				
				Gravel	Gravel				
				Earth Steel	Earth Steel				
				Stone	Stone				
				Timber Sand	Timber Sand				
		SubStructureMaterial	Material of the sub structure.	Concrete	Concrete				
				Steel Stone	Steel Stone				
				Brick Timber	Brick Timber				
		Width m	Nominal width of the pathway in metres.	Timber	Float Positive NonZero				
		Geometry	Polyline geometry describing the feature in coordinate space.		geometry_linear_singlepath_complex				
RoadSafetyBarrier	Represents a barrier dedicated to transport	Туре	The type of road safety barrier employed.	Energy-absorbing Bollard	Energy-absorbing Bollard				
	features.			Energy-absorbing Terminal Flexible	Energy-absorbing Terminal Wire Rope				
				Flexible/Rigid Combination	Combination of wire rope and concrete or similar				
				Flexible/Semi-rigid Combination	barrier Flexible/Semi-rigid Combination				
				Rigid	Concrete barrier or similar with very little deflection				
				Rigid/Semi-rigid Combination	Combination of concrete or similar barrier and W or Thrie beam				
				Semi-rigid	W beam or Thrie beam				
		LeadingEndTreatment	The type of Leading End treatment.	Breakmaster ET2000 Plus	Breakmaster ET2000 Plus				
				Extension 350	Extension 350				
				FLEAT MELT	FLEAT MELT				
				NEAT	NEAT				
				Omnistop QuadGuard	Omnistop QuadGuard				
				QuardGuard Elite	QuardGuard Elite				
				QuardGuard Wide QuardTrend 350	QuardGuard Wide QuardTrend 350				
				React 350 Rubber Crash Cushion	React 350				
				SKT	Rubber Crash Cushion SKT				
				TAU II	TAU II				
				Thrie-Beam bull nose TRACC	Thrie-Beam bull nose TRACC				
		TrailingEndTreatment	The type of Trailing End treatment.	Breakmaster DOT	Breakmaster DOT				
				ET2000 Plus	ET2000 Plus				
				Extension 350 FLEAT	Extension 350 FLEAT				
				MELT	MELT				
				Omnistop QuadGuard	Omnistop QuadGuard				
				QuardGuard Elite	QuardGuard Elite				
				QuardGuard Wide QuardTrend 350	QuardGuard Wide QuardTrend 350				
				React 350	React 350				
				Rubber Crash Cushion SKT	Rubber Crash Cushion SKT				
				TAU II	TAU II				
				Thrie-Beam bull nose	Thrie-Beam bull nose				l

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION	DESCRIPTION
		0	Laboration to distribution in the	TRACC	TRACC				
		StandardHeight Height m	Is barrier height standard? Nominal height of the barrier in metres.		boolean Float Positive NonZero				
		Length_m	Nominal length of the barrier in metres		Float_Positive_NonZero				
		MotorcyclistProtectionType	including terminals. The type of motorcyclist protection rail.	Rub Rail	Rub Rail				
		, , ,		Hiasa Rail None	Hiasa Rail None				
		PedestrianProtectionSheeting	as pedestrian protection sheeting been	THORIS	boolean				
		BridgeTransition	installed? Is this a bridge transition?		boolean				
		StandardPostSpacing	Is the post spacing standard?		boolean				
		PostSpacing m PostType	Spacing of posts in metres. The type of post installed with road safety	Steel	Float Positive NonZero Steel				
			barrier.	Timber	Timber				
		RailType	The type of rail installed with road safety barrier.	Steel Timber	Steel Timber				
		HorizontalAlignment	Horizontal alignment of road safety barrier	Straight Convex	Straight Convex				
				Concave	Concave				
		NumberOfBollards Geometry	Number of bollards. Polyline geometry describing the feature in		positiveInteger geometry_linear_multipath_complex				
_			coordinate space.						
PramRamp	Represents a pram ramp or disabled entry-point to a road edge as a point object	Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float_Direction				
	, ,	Geometry	The geometry representing this feature in		geometry_point_singlepoint				
PramRampPolygon	Represents a pram ramp or disabled entry-point to	Rotation	coordinate space. Rotation angle (cartesian - anti-clockwise		Float_Direction				
	a road edge as a polygon object	Geometry	0 degrees = East) The geometry representing this feature in		geometry_area_singlepatch_complex				
		-	coordinate space.						
SubSoilDrain	Represents a road sub-soil drain. Formerly called RoadSubsoilDrain in ADAC Version 3.0.1	Use	The use (orientation) of the drain.	Side Drain Mitre Drain	Parallel to the kerb Cross road drain				
	The state of the s	Туре	The type (configuration) of the drain.	Perforated Pipe	Perforated Pipe with textile sleeve				
		Length m	The length in metres of the drain.	Strip Filter	Strip Filter Drain Float Positive NonZero				
		Geometry	Polyline geometry representing the		geometry_linear_singlepath_simple				
			centreline of the sub-soil drain in coordinate space.						
FlushPoint	Represents a sub-soil drain flush point.	Function	The function of the flushing out point	Cleanout	A cleanout flushpoint inlet generally protected by a				
					sunken valve box. May have a removable cap on the pipe mouth.				
				Surface Outlet	A subsoil drain outlet point discharging to the surface, rather than into a gully pit or manhole etc.				
		Geometry	Point geometry representing the flush		geometry_point_singlepoint				
			point of the sub-soil drain in coordinate space.						
BridgeExtent	Describes the envelope or footprint for the whole	BridgeID	Unique identifier, used to associate		String_64				
	structure and all of its parts. It holds properties that apply at the assembly level.		components of the same bridge assembly.						
	· · · · · · · · · · · · · · · · · · ·	Name	Road name or nearest road where bridge		String_254				
			resides, or the recognised name of the bridge.						
		Use	Predominant use of bridge.	Cycleway Fauna	Cycleway Fauna				
				Pedestrian	Pedestrians and/or bicycle.				
				Rail Road	Rail Road				
				Shared	Shared				
		Туре	Type of bridge construction.	Stock Arch	Stock Arch				
				Beam Box Girder	Beam Box Girder				
				Cable-Stayed	Cable-Stayed				
				Cantilever Deck Unit	Cantilever Deck Unit				
				Moveable	Moveable				
				Open Girder Slab	Open Girder Slab				
				Suspension	Suspension				
				Tressle Truss	Tressle Truss				
		CrossingType	The layout and configuration of this	Fresh Water Land	Fresh Water Land				
			structure.	Rail	Rail				
				Road Salt Water	Road Salt Water				
		Spans	Number of spans.		positiveInteger				
		MinimumClearance m PredominantMaterial	Minimum clearance in metres. Predominant Material of bridge.	Aluminium	float Aluminium				
				Fibre Composite Prestressed Cast-Insitu Concrete	Fibre Composite Prestressed Cast-Insitu Concrete				
				Prestressed Precast Concrete	Prestressed Precast Concrete				
				Reinforced Concrete Steel	Reinforced Concrete Steel				
				Timber	Timber				
		DesignLoad Geometry	Design load of bridge as per AS5100. The geometry representing this feature in		String 64 geometry_area_singlepatch_complex				
			coordinate space.						
BridgeDeck	Represents a single deck unit between abutments or supports. There may be one or more	BridgeID	Unique identifier, used to associate components of the same bridge assembly.		String_64				
	BridgeDeck objects for any given bridge assembly.	Material	, , ,	Fibre Composite	Eibra Composito				
		iviatel läi	Material types for Bridge deck.	Prestressed Cast-Insitu Concrete	Fibre Composite Prestressed Cast-Insitu Concrete				
				Prestressed Precast Concrete Reinforced Concrete	Prestressed Precast Concrete Reinforced Concrete				
				Steel	Steel				

ADAC Transport

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION	DESCRIPTION
ASSELLITE	- DESCRIPTION	ENOMERATION (DETAIL	DEGORII TION			ENGINERATION (BETAIL	DECORM FICH	ENGINERATION	DESCRIPTION
		NomWidth m	No contract the first of the state of the st	Timber	Timber Float Positive NonZero				
		DeckLength m	Nominal Width of deck in metres.		Float Positive NonZero Float Positive NonZero				
		DeckLengin_m	Length of Bridge deck between joints at		Float_Positive_NonZero				
		Geometry	abutments in metres. The geometry representing this feature in		geometry_area_multipatch_complex				
		Geometry	coordinate space.		geometry_area_mulipatch_complex				
ContainmentClass	Containment Class of Parapet/Railing as per	BridgelD	Unique identifier, used to associate		String_64				
Containmentolass	AS5100.	Bridgeib	components of the same bridge assembly.		Citing_04				
	A33700.		components of the same bridge assembly.						
		ContainmentClass	Containment Class of Parapet/Railing as	Low	Low				
			per AS5100.	Regular	Regular				
			P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Medium	Medium				
				Special	Special				
BridgeSuperstructure	Represents superstructure of bridge.	BridgelD	Unique identifier, used to associate		String_64				
	,,,	ŭ	components of the same bridge assembly.		3_1				
			, , ,						
		Material	Material types for the Superstructure.	Fibre Composite	Fibre Composite				
				Prestressed Cast-Insitu Concrete	Prestressed Cast-Insitu Concrete				
				Prestressed Precast Concrete	Prestressed Precast Concrete				
				Reinforced Concrete	Reinforced Concrete				
				Steel	Steel				
				Timber	Timber				
		Geometry	The geometry representing this feature in		geometry_area_multipatch_complex				
			coordinate space.						
BridgeAbutment	Represents the extent of one abutment for a bridge		Unique identifier, used to associate		String_64				
	assembly. A BridgeAbutment will be independently		components of the same bridge assembly.						
	described at each end of the structure.	Material	Th		0				
		Material	The predominant material of the abutment.		Compressed Aggregate				
				Masonry Prestressed Precast Concrete	Masonry				
				Reinforced Concrete	Prestressed Precast Concrete Reinforced Concrete				
				Remorced Concrete	Steel				
				Timber	Timber				
		Geometry	The geometry representing this feature in	Tillibei	geometry_area_multipatch_complex				
		Geometry	coordinate space.		geometry_area_matapaten_complex				
BridgePier	Represents a single supporting structure that	BridgelD	Unique identifier, used to associate		String_64				
	supports deck spans between abutments.		components of the same bridge assembly.						
	supports deck spans between abutilients.		componente or the dame bridge decembly.						
		Material	Predominant Pier material type.	Composite	Composite				
				Masonry	Masonry				
				Prestressed Precast Concrete	Prestressed Precast Concrete				
				Reinforced Concrete	Reinforced Concrete				
				Steel	Steel				
				Stone	Stone				
				Timber	Timber				
		Geometry	The geometry representing this feature in		geometry_area_multipatch_complex				-
			coordinate space.						

ASSET GROUP	Stormwater	DESCRIPTION	Data structure constraining information	n for Stormwater features.]						
ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
Pit	Represents a stormwater maintenance hole or pit feature.	PitNumber Use	The pit identifier. Purpose of the feature in the network.	Maintenance Hole	String 32 Maintenance or access point						
				Pit Kerb Inlet	Pit only - no access						
				Field Inlet	Kerb Inlet Field Inlet						
				Roofwater Inspection Chamber Roofwater Outlet	Roofwater Inspection Chamber Roofwater outlet to swale						
		ChamberConstruction	Method of chamber construction.	Prefabricated	Prefabricated						
		ChamberSize	Represents the essential dimensions of the	Rectangular	Built or poured in-situ Dimensions of a rectangular chamber.	Length mm	Length in millimetres		positiveInteger		
			chamber. Contains a choice of structures that pertain to different configurations.	Circular	Dimensions of a circular chamber.	Width mm Diameter_mm	Width in millimetres Diameter in millimetres		positiveInteger positiveInteger		
			portain to amorem comigarations.		Drainage Manhole Circular Internal Diameter.						
				Extended	Dimensions of a circular chamber.	Radius mm Extension_mm	Radius, in millimetres, of the circular ends Distance, in millimetres, between the centre points		positiveInteger positiveInteger		
		LidType	The type of lid or grate covering the opening.	Circ Cast Iron	Circular Cast Iron Lid		of the circular ends				
				Circ Conc Infill Sgr Cast Iron	Circular Concrete Infill Lid Square Cast Iron Lid						
				Sqr Conc Infill	Square Concrete Infill Lid						
				Rect Cast Iron Rect Conc Infill	Rectangular Cast Iron Rectangular Concrete Infill Lid						
				CI Frame Conc Infill Precast Cover Slabs	Cast Iron Frame Concrete Infill Long Rectangular Concrete Cover Slabs (usually 2 per pit)						
		SurfaceLevel_m	Surface level of this feature (in metres against	Trecast Cover Slabs	float						
		InvertLevel_m	the vertical datum). Invert level of this feature (in metres against the		float						
		Depth_m	vertical datum). The depth of the structure in metres. May be		Float_Positive_NonZero						
		,	user-entered, or auto-calculated as the								
			difference between the surface level and the invert level of the pit.								
		Inlet	Represents a surface inlet to the pit. Set to nil if this pit does not have a surface inlet	InletConfig	Positioning of the inlet against the pit.	Left Centre	Left hand side Centre				-
				Interest	The trace of left annufactor of	Right	Right hand side				
				InletType	The type of inlet employed.	Galv Grate Cast Iron Grate	Galvanised Steel Grate Cast Iron Grate				
						Hydroflow Grate Cast Iron Bike/Ped Safe Grate	Hydroflow Grate				
						Field Inlet Dome Top Grade	Galvanised, raised dome top grade for a field inlet				
						Field Inlet Surcharge Grate Field Inlet Flush Grate	Field Inlet Surcharge Grate Field Inlet Flush Grate				
						KIL Gully LIL Gully	Kerb Inline Gully Pit Lip Inline Gully Pit				
						Anti-Ponding Gully	Anti-Ponding Gully				
						Bro-Pit Kerb Inlet Drainway Kerb Inlet	Bro-Pit Kerb Inlet Drainway Kerb Inlet				
						OTHER - Field Inlet OTHER - KIL Gully	Council Specific Field Inlet Council Specific Kerb Inline Gully Pit				
						OTHER - LIL Gully	Council Specific Lip Inline Gully Pit				
						OTHER - Side Entry Pit OTHER - Trench Grate	Council Specific Side Entry Pit Council Specific Trench Grate				
				InterOles		Null Node	Null asset only applicable when Use != Pit.				
		Lintel	Represents the pit lintel. Set to nil if this pit does	InletSize LintelConstruction	Dimensions of the inlet e.a. Diameter or Lenath x Width. Method of lintel construction.	Prefabricated	String 32 Prefabricated				
			not have a lintel.	LintelLength_m	Represents the length in metres of the lintel.	Insitu	Built or poured in-situ Float Positive NonZero				
				5 -							
		OutletType	The type of outlet for this pit.	Dry	Dry						
		FireRetardant	True of false value indicating whether fire	Surcharge	Surcharge boolean						
		Rotation	retardant measures are incorporated. Rotation angle (cartesian - anti-clockwise 0		Float_Direction						
		Geometry	degrees = East) Point geometry representing the manhole or pit		geometry_point_singlepoint						
F101	2		feature in coordinate space.								
EndStructure	Represents a stormwater endstructure feature as a Point object	StructureID	The identifier for this end structure. Usually the textual identifier it would be labelled with on the		String_32						
		StructureLevel_m	face of a plan. The surface level of the structure in metres		float						
		- EndWall	against the vertical datum for the project. Data structure representing the end wall. Set to	Туре	The type of stormwater end wall structure	Pipe Endwall	Pipe Endwall				
			nil if this End Structure does not have an end	.,,,,	ye s dominator one was structure	Box Endwall	Box Endwall				
			wall.			Multi Cell Pipe Endwall Multi Cell Box Endwall	Multi Cell Pipe Endwall Multi Cell Box Endwall				
						Multi Cell Pipe and Box Endwall Sloping Pipe Endwall	Multi Cell Pipe and Box Endwall Sloping Pipe Endwall				
				Size	Define the number of cells and sizes penetrating the End Structure)	String_32				
				Length m	ie. 3/750 or 2/1200x900 or 2/900x600+1/600. Represents the length in metres of the end wall.		Float Positive Zero				
				Height m Thickness m	Represents the height in metres of the end wall. Represents the Thickness in metres of the end wall.		Float Positive Zero Float Positive Zero				
				Material	The predominant construction material of the end wall structure.	Concrete Reinforced Concrete	Concrete Reinforced Concrete				
						Grouted Rock	Grouted Rock				
						Revetment Mattress N/A	Revetment Mattress Not Applicable – To be used if not present				
				Construction	The method of construction of the end wall structure.	Prefabricated Insitu	Prefabricated Built or poured in-situ				
		WingWall	Data structure representing the wing wall. Set	LWW Length m	Represents the length in metres of the left wing wall.		Float Positive Zero Float Positive Zero				
			to nil if this End Structure does not have any wing walls.	LWW Height m LWW Thickness m	Represents the height in metres of the left wing wall. Represents the thickness in metres of the left wing wall.		Float Positive Zero				
				LWW_Material	The predominant construction material of the left wing wall.	Concrete Reinforced Concrete	Concrete Reinforced Concrete				
						Grouted Rock Revetment Mattress	Grouted Rock Revetment Mattress				
						N/A	Not Applicable - To be used if not present				
				LWW_Construction	The method of construction of the left wing wall.	Prefabricated Insitu	Prefabricated Built or poured in-situ				
				RWW Length m RWW Height m	Represents the length in metres of the right wing wall. Represents the height in metres of the right wing wall.		Float Positive Zero Float Positive Zero				
				RWW Thickness m	Represents the thickness in metres of the right wing wall. The predominant construction material of the right wing wall.	Concrete	Float Positive Zero				
				RWW_Material	me precommant construction material of the right wing wall.	Concrete Reinforced Concrete	Concrete Reinforced Concrete				
						Grouted Rock Revetment Mattress	Grouted Rock Revetment Mattress				
						N/A	Not Applicable – To be used if not present				

A COST TYPE	PEROPIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	PEOGRAPHON	ENUMERATION DETAIL	DECODIFICAL	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DECODIDATION
ASSET TYPE	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION	RWW Construction	DESCRIPTION The method of construction of the right wing wall.	ENUMERATION \ DETAIL Prefabricated	DESCRIPTION Prefabricated	ENUMERATION (DETAIL	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION
		A	Data da ata ata ata ata ata ata ata ata a	_ ·		Insitu	Built or poured in-situ				
		Apron	Data structure representing the apron.	Apron Width m Apron_Thicknes_m	Represents the width in metres of apron on the End Structure. Represents the thickness in metres of apron on the End Structure.		Float Positive Zero Float_Positive_Zero				
				Apron_Area_m2	Represents the area in square metres of apron on the End		Float_Positive_Zero				
					Structure.						
				Apron_Material	The predominant construction material of apron on the End Structure.	Grassed Concrete	Grassed banks Concrete				
					Siderale.	Stone Pitched	Stone Pitched				
						Placed Rock Grouted Rock	Placed Rock Grouted Rock				
						Revetment Mattress	Revetment Mattress				
						Rock Filled Wire Basket Geotextile	Rock Filled Wire Basket Geotextile				
						Concrete Energy Dissepiment	Concrete Energy Dissepiment				
				Apron_Construction	The method of construction of apron on the End Structure.	Prefabricated	Not Applicable – To be used if not present Prefabricated				
		GrateType	Type of grate used, if applicable.	Baffled	Baffled	Insitu	Built or poured in-situ				
		Olate Type	Type of grate used, if applicable.	Grated Stilling Basin	Grated						
				Stilling Basin None	Siltina basin No grate fitted						
		TideGate	Type of tide or flood gate used, if applicable.	Fibreglass Proprietary	Fibrealass proprietary						
				Fabricated Controlled	Fabricated Controlled						
				Rubber	Rubber						
		Geometry	Point geometry representing the EndStructure in	None	No tidegate fitted geometry_point_singlepoint						
EndStructurePolyline	Represents a stormwater endstructure		coordinate space. The identifier for this end structure. Usually the		String_32						
otractarerorynne	feature as a Polyline object		textual identifier it would be labelled with on the								
		StructureLevel_m	face of a plan. The surface level of the structure in metres		float						
			against the vertical datum for the project.	T		Die a Festivall	Place Footburth				
		EndWall	Data structure representing the end wall. Set to nil if this End Structure does not have an end	Туре	The type of stormwater end wall structure	Pipe Endwall Box Endwall	Pipe Endwall Box Endwall				
			wall.			Multi Cell Pipe Endwall Multi Cell Box Endwall	Multi Cell Pipe Endwall Multi Cell Box Endwall				
						Multi Cell Pipe and Box Endwall	Multi Cell Pipe and Box Endwall				
				Size	Define the number of cells and sizes penetrating the End Structure	Sloping Pipe Endwall	Sloping Pipe Endwall				
					ie. 3/750 or 2/1200x900 or 2/900x600+1/600.		String_32				
				Length m Height m	Represents the length in metres of the end wall. Represents the height in metres of the end wall.		Float Positive Zero Float Positive Zero				
				Thickness m	Represents the Thickness in metres of the end wall.		Float Positive Zero				
				Material	The predominant construction material of the end wall structure.	Concrete Reinforced Concrete	Concrete Reinforced Concrete				
						Grouted Rock Revetment Mattress	Grouted Rock				
						N/A	Revetment Mattress Not Applicable – To be used if not present				
				Construction	The method of construction of the end wall structure.	Prefabricated	Prefabricated				
		WingWall	Data structure representing the wing wall. Set	LWW Length m	Represents the length in metres of the left wing wall.	IIIsitu	Built or poured in-situ Float Positive Zero				
			to nil if this End Structure does not have any wing walls.	LWW Height m LWW Thickness m	Represents the height in metres of the left wing wall. Represents the thickness in metres of the left wing wall.		Float Positive Zero Float Positive Zero				
			wing wais.	LWW_Material	The predominant construction material of the left wing wall.	Concrete	Concrete				
						Reinforced Concrete Grouted Rock	Reinforced Concrete Grouted Rock				
						Revetment Mattress	Revetment Mattress				
				LWW_Construction	The method of construction of the left wing wall.	N/A Prefabricated	Not Applicable – To be used if not present Prefabricated				
				RWW Length m		Insitu	Built or poured in-situ Float Positive Zero				
				RWW Height m	Represents the lenath in metres of the right wing wall. Represents the height in metres of the right wing wall.		Float Positive Zero				
				RWW Thickness m RWW Material	Represents the thickness in metres of the right wing wall. The predominant construction material of the right wing wall.	Concrete	Float Positive Zero Concrete				
				TVVVV_IVIALGITAI	The predominant construction material of the right wing waii.	Reinforced Concrete	Reinforced Concrete				
						Grouted Rock Revetment Mattress	Grouted Rock Revetment Mattress				
						N/A	Not Applicable - To be used if not present				
				RWW_Construction	The method of construction of the right wing wall.	Prefabricated Insitu	Prefabricated Built or poured in-situ				
		Apron	Data structure representing the apron.	Apron Width m	Represents the width in metres of apron on the End Structure. Represents the thickness in metres of apron on the End Structure.		Float Positive Zero				
				Apron_Thicknes_m			Float_Positive_Zero				
				Apron_Area_m2	Represents the area in square metres of apron on the End Structure.		Float_Positive_Zero				
				Apron_Material	The predominant construction material of apron on the End	Grassed	Grassed banks				
					Structure.	Concrete Stone Pitched	Concrete Stone Pitched				
						Placed Rock Grouted Rock	Placed Rock Grouted Rock				
						Revetment Mattress	Revetment Mattress				
						Rock Filled Wire Basket Geotextile	Rock Filled Wire Basket Geotextile				
						Concrete Energy Dissepiment	Concrete Energy Dissepiment				
				Apron_Construction	The method of construction of apron on the End Structure.	N/A Prefabricated	Not Applicable – To be used if not present Prefabricated				
		GrateType	Time of grate used if or """	Baffled	Baffled	Insitu	Built or poured in-situ				
		е гуре	Type of grate used, if applicable.	Grated	Grated						
				Stilling Basin None	Siltina basin No grate fitted						
		TideGate	Type of tide or flood gate used, if applicable.	Fibreglass Proprietary	Fibrealass proprietary						
				Fabricated Controlled	Fabricated Controlled						
				Rubber	Rubber						
		Geometry	Point geometry representing the EndStructure in	None	No tidegate fitted geometry_linear_singlepath_simple						
Fitting	Depresents a point Patron to		coordinate space.	End Can							
ricung	Represents a point fitting in a stormwater system.	FittingType	The type of stormwater fitting.	End Cap Tide Gate	A stormwater end cap Tide Gate						
				Frog Flap Duckbill Valve	Froa Flab Duckbill Valve						
		Rotation	Rotation angle (cartesian - anti-clockwise 0	Suckolli valvo	Float_Direction						
		Geometry	degrees = East) Point geometry representing the fitting in		geometry_point_singlepoint						
D'	On any other states of the state of the stat		coordinate space.								
Pipe	Represents a stormwater pipe feature.	US_InvertLevel_m	Invert level of this piipe end (in metres against the vertical datum).		float						
	_		-				-				

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
		DS_InvertLevel_m	Invert level of this pipe end (in metres against the vertical datum).		float						
		US_SurfaceLevel_m	Surface level (in metres against the vertical		float						
		DS_SurfaceLevel_m	datum) vertically above this pipe end. Surface level (in metres against the vertical		float						
		PipeStructure	datum) vertically above this pipe end. Container for a choice of pipe cross-sectional	CircPipe	Data structure describing stormwater pipe with a circular cross	Diameter mm	The internal diameter of the pipe in millimetres.		positiveInteger		
		i ipedi dotare	measures.	Oli Gi ipe	section	Material	The pipe wall material	RCP	Steel Reinforced Concrete Pipe		
								FRC PVC-U	Fibre Reinforced Concrete Pipe PolyVinylChloride Unplasticised		
								HDPE	High Density Polyethylene (includes the product known		
									commercially as Haries Black		
								PP	Brute) Polypropylene Pipe (also known as		
								RPP	Black Max)		
								KPP	Ribbed Polypropylene Pipe (also known as RibStruct)		
								GRP	Glass Reinforced Plastic (includes the product known commercially as		
									Hobas)		
								CSP	Helically Corrugated Galv Steel Pipe		
								CAP	Helically Corrugated Aluminium Pipe		
								SFRC	Slotted fibre reinforced concrete		
						Class	The pipe wall class	1	Class 1 Class 2		
								3	Class 3		
								6	Class 4 Class 6		
								8 10	Class 8 Class 10		
								SN2 SN4	Class SN2 Class SN4		
								SN8	Class SN8		
						JointType	The joint type of the pipe section	FJ RRJ	Flush Joint Rubber Ring Joint		
				BoxPipe		Heleka eres		SWJ	Solvent Welded Joint		
				Box-ipe	Rectangular pipe cross-sectional description.	Width mm	Height in millimetres of the internal cross section Width in millimetres of the internal cross section		positiveInteger positiveInteger		
						Material	Wall material of the box section.	RCBC SLBC	Reinforced Concrete Box Culvert Slab Link Box Culvert		
						Class	The pipe wall class	RUBBLE 1	Rubble Infiltration Drain Class 1		
						Class	The pipe wan class	2	Class 2		
								3 4	Class 3 Class 4		
								6	Class 6 Class 8		
								10	Class 10		
								SN2 SN4	Class SN2 Class SN4		
		Cells	The number of cells in the pipe course.		positiveInteger			SN8	Class SN8		
		ConcreteCoverType	The pipe protection regime employed.	Standard	Standard						
		Grade	Pipe gradient as a percentage. Derivable from	Saltwater	Saltwater Float_Positive_Zero						
		Length m	invert levels and horizontal length. Pipe material length in metres.		Float Positive NonZero						
		Geometry	Polyline geometry representing the feature in coordinate space.		geometry_linear_multipath_simple						
			The recommendation for multicell courses is to								
			store multiple paths within the polyline. It is recommended that all paths are digitised in the								
SurfaceDrain	Represents a linear surface drain. May	Туре	The type of drain or channel.	Canal	Canal						
	include natural features as well as constructed where they function as			Open Drain Overland Flow Path	Open Drain Overland Flow Path						
	part of a contributed asset.			Flat Open Surface Natural Waterway	Flat Open Surface Natural Waterway						
				Infiltration Trench	Infiltration Trench						
				Batter Chute	Structure to convey runoff down a cut or fill batter and discharge at either non-rosive velocities or onto a non-erodable surface.						
				Diversion Drain	Diversion Drain. Also called Whoa Boy, check, cross or roll over						
				Diversion Drain	banks. Constructed to divert water off a track without causing						
		DrainShape	Cross-sectional shape of the drain.	Flat Bottom Drain	erosion. Flat Bottom Drain						
				Vee Drain Swale Drain	Vee Drain Swale Drain						
				Natural Channel	Natural Channel						
		LiningMaterial	The material that the channel is lined with.	Diversion Profile Grassed	Diversion Profile Grassed						
					Earth Concrete						
				Stone Pitched	Stone Pitched						
				Placed Rock Grouted Rock	Placed Rock Grouted Rock						
				Revetment Mattress Rock Filled Wire Basket	Revetment Mattress Rock Filled Wire Basket						
		Line dM/idth w	The width, in metres, of the lined portion of the	Natural Channel	Natural Channel						
		LinedWidth_m	channel.		Float_Positive_NonZero						
		BatterMaterial	The material that the drain batter is lined with. A null value may be supplied where the drain has	Grassed Earth	Grassed Earth						
			no batter.	Concrete	Concrete						
				Stone Pitched Placed Rock	Stone Pitched Placed Rock						
				Grouted Rock Revetment Mattress	Grouted Rock Revetment Mattress						
				Rock Filled Wire Basket	Rock Filled Wire Basket						
		BatterWidth_m	The total width, in metres, from lip of batter to	Natural Channel	Natural Channel Float_Positive_NonZero						
			opposite lip of batter. A null value may be supplied where the drain has no batter.								
		US_InvertLevel_m	Invert level of this piipe end (in metres against the vertical datum).		float						
		DS_InvertLevel_m	Invert level of this pipe end (in metres against		float						
			the vertical datum).				1				

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENLINEDATION DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
ASSELLITE	- DESCRIPTION	AverageGrade	The average gradient over the whole length of	ENUMERATION (DETAIL	DESCRIPTION Float_Positive_Zero	ENUMERATION (DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION
		AverageGrade	the feature, as a percentage. Derivable from the		TIDAL TOSIGNO ZETO						
			difference in invert levels and the horizontal								
		Laurath as	length of the geometry. The material length, in metres, of the centreline		Float Doubles Nov. 7						
		Length_m	of the channel.		Float_Positive_NonZero						
		Geometry	Polyline geometry representing the feature in		geometry_linear_singlepath_simple						
			coordinate space.								
			Digitise each individual length of channel as a single unbroken path.								
GPTComplex	Represents a complex commerial or	Sqid_Id	The string identifier of the device, as it would		String_32						
	custom StormWater Quality		appear on a plan.								
	Improvement Device (SQID).	Construction		Commercial		Manufacturer Model	The manufacturer of the unit		String 64 String_64		
						Wodel	The standard code, model number or part number for the unit		Suring_04		
						Size	The planimetric size of the device. This element is	Rectangular	Planimetric dimensions of a	Length mm	Lenath in millimetres
							nillable because the manufacturer and model are	Circular	rectangular device.	Width mm	Width in millimetres
							mandatory, but if capture software designers wish to automatically populate the sizes from a list of known	Circulai	Planimetric dimensions of a circular device.	Diameter_mm	Diameter in millimetres
				Custom		Size	The dimensions of the device. This element is	Rectangular	Planimetric dimensions of a	Length mm	Lenath in millimetres
							mandatory for custom built devices. The appropriate	Circular	rectangular device.	Width mm	Width in millimetres
							dimensions must be supplied	Circular	Planimetric dimensions of a circular device.	Diameter_mm	Diameter in millimetres
		Function1	The first function of the WSUD point. The device	Gross Pollutant Capture	Gross Pollutant Capture						
			must have at least one function. Usually Gross	Sediment Capture	Sediment Capture						
			Pollutant Capture will be the most important function.	Oil / Grit Separation	Oil / Grit Separation Filtration of fine particulates from stormwater before discharging to						
				i ilidation	a downstream drainage system.						
		Function2	The second function of the WSUD point, if	Gross Pollutant Capture	Gross Pollutant Capture						
			applicable	Sediment Capture Oil / Grit Separation	Sediment Capture Oil / Grit Separation						
				Filtration	Filtration of fine particulates from stormwater before discharging to						
					a downstream drainage system.						
		Function3	The third function of the device, if applicable	Gross Pollutant Capture Sediment Capture	Gross Pollutant Capture Sediment Capture						
				Oil / Grit Separation	Oil / Grit Separation						
				Filtration	Filtration of fine particulates from stormwater before discharging to						
		US PipeDiameter mm	The unetroom pine diagrature is william to		a downstream drainage system.						
		DS PipeDiameter mm	The upstream pipe diameter in millimetres The downstream pipe diameter in millimetres		positiveInteger positiveInteger						
		SurfaceLevel m	The surface level at the top of the device		float						
		US_InvertLevel_m	Invert level of this piipe end (in metres against		float						
		DS_InvertLevel_m	the vertical datum). Invert level of this pipe end (in metres against		float						
			the vertical datum).		TIOM.						
		CleanoutLevel_m	The level to which the device must be cleaned		float						
			out, in metres against the vertical datum of the project.								
		Depth m	The depth. in metres, of the device.		Float Positive NonZero						
		SumpDepth_m	The depth, in metres, of the sump, if applicable		Float_Positive_NonZero						
		HasFilterMedia	True if the device has filtration media or a filter		boolean						
		nasriilei wedia	capsule installed.		boolean						
		HasBasket	True if the device has a litter basket installed.		boolean						
		HasBoards	True if the device has drop-boards or penstock		boolean						
		DesignFlow m3s	installed. Design Flow in cubic metres per second		Float Positive NonZero						
			3 Maximum contaminant retention volume in cubic		Float_Positive_NonZero						
			metres.								
		MaxInternalVolume m3 MaintenanceCycle mnths	Maximum internal volume in cubic metres. The minimum maintenance cycle in months		Float Positive NonZero positiveInteger						
		WaliterianoeOyole_Illinuis	(refer to specifications)		positiveniteger						
		Rotation	Rotation angle (cartesian - anti-clockwise 0		Float_Direction						
		Coometry	degrees = East)		geometry point cinglepoint						
		Geometry	Point geometry representing the feature in coordinate space.		geometry_point_singlepoint						
GPTSimple	Represents a Water Sensitive Urban	Sqid_Id	The string identifier of the device, as it would		String_32						
	Design point feature that is a simple		appear on a plan.								
	grate, basket or net fitted to existing infrastructure.	Construction	The construction method	Prefabricated Insitu	Prefabricated Built or poured in-situ						
	Includes custom In-Pit or End-of-Line	Manufacturer	The manufacturer if applicable	mora	String 64						
	features or In-Line features such as	ModelNumber	The model if applicable		String 64						
	trash-racks on drainage lines. Spatially, these features must be	TreatmentMeasure	Simple treatment measures fitted to existing infrastructure to intercept solid litter being	Basket	A simple basket fitted to existing infrastructure to intercept solid litter being transported in stormwater.						
	collocated with pits, endstructures or		transported in stormwater.	Net	A simple net fitted to existing infrastructure to intercept solid litter						
	placed on pipes or drainage lines.				being transported in stormwater.						
	Therefore, as in reality, whether the			Vertical Grate	A vertical grate across a drainage line or endstructure to intercept solid litter being transported in stormwater.						
	feature is In-Pit, In-Line or End-of-Line is determined by its placement with			Horizontal Grate	A horizontal grate across an inlet to intercept solid litter being						
	other features.	Frankland			transported in stormwater.						
		Function1	The first function of the WSUD point. Has a fixed value because all GPTSimple points are.		String_32						
		Length mm	The length of the device		positiveInteger						
		Width mm	The width of the device		positiveInteger						
		Material MaintenanceCycle mnths	Predominant material of device The minimum maintenance cycle in months.		String 64 positiveInteger						
			This is the revisit interval for clearing captured		r						
		Rotation	rubbish.		Elect Direction						
			Rotation angle (cartesian - anti-clockwise 0		Float_Direction						
		Rotation	degrees = Fast)								
		Geometry	degrees = East) Point geometry representing the feature in		geometry_point_singlepoint						
		Geometry	Point geometry representing the feature in coordinate space.								
NonGPTSimple	Represents a WSUD point feature that	Geometry	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would		geometry_point_singlepoint String_32						
NonGPTSimple	is not a simple litter trap, such as a	Geometry	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan.	Prefabricated							
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method	Prefabricated Insitu	String_32 Prefabricated Built or poured in-situ						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond,	Geometry Sqid_Id Construction Manufacturer	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable		String_32 Prefabricated Built or poured in-situ String 64						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The model if applicable	Insitu	String_32 Prefabricated Bull or poured in-situ String 64 String 64						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu	String_32 Prefabricated Built or boured in-situ String 64 String 64 Aquifer Storage Tank An installation in a drainage line, usually of concrete or stone,						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The model if applicable in WSUD points	Insitu Aquifer Storage Tank	String 32 Prefabricated Built or poured in-situ String 64 Anuler Storace Tank An installation in a drainage line, usually of concrete or stone, designed to dissipate the kinetic energy of flowing stormwater, to						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank	String 32 Prefabricated Built or ouvered in-situ String 04 String 104 Auufer Storage Tank An installation in a drainage line, usually of concrete or stone, designed to dissipate the kinetic energy of flowing stormwater, to minimise its potential for enscion and drainage. Other placed						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank Energy Dissipater	String 32 Prefabricated Built or outered in-situ String 04 String 04 String 04 Available for an a drainge line, usually of concrete or stone, designed to dissipate the simple energy of flowing stormwater, or minimise its potential for existion and drainge. Often placed immediately downstream of an endistructure, but may conceivably be anywhere needed in a drainage.						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank Energy Dissipater Floating Boom	String_32 Prefabricated Built or ocured in-situ String 64 Anulier Stroace Tank An installation in a drainage line, usually of concrete or stone, designed to dissipate the kinetic energy of flowing stormwater, to minimise its potential for erosion and damage. Often placed immediately downstream of an endatructure, but may conceivably be anywhere needed in a drainage line. Floating Boom						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank Energy Dissipater	String 32 Prefabricated Built or outered in-situ String 04 Acualier Storace Tank An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, An installation in admanage line, usually of concrete or stone, Floating Boom Initiation measure designed to promote infiltration of appropriately Initiation measure designed to promote infiltration of appropriately						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank Energy Dissipater Floating Boom	String_32 Prefabricated Built or ocured in-situ String 64 Anulier Stroace Tank An installation in a drainage line, usually of concrete or stone, designed to dissipate the kinetic energy of flowing stormwater, to minimise its potential for erosion and damage. Often placed immediately downstream of an endatructure, but may conceivably be anywhere needed in a drainage line. Floating Boom						
NonGPTSimple	is not a simple litter trap, such as a small sand filter, sediment pond, aquifer storage, infiltration measure or	Geometry Sqid_Id Construction Manufacturer ModelNumber	Point geometry representing the feature in coordinate space. The string identifier of the device, as it would appear on a plan. The construction method The manufacturer if applicable The manufacturer if applicable to WSUD points that are neither simple nor complex Gross	Insitu Aquifer Storage Tank Energy Dissipater Floating Boom	String_32 Prefabricated Built or ocured in-situ String 64 An installation in a drainage line, usually of concrete or stone, designed to dissipant the kinetic energy of flowing stormwater, to minimise its potential for erosion and damage. Often placed immediately downstream of an endatructure, but may conceivably be anywhere needed in a drainage line. Floating Boom Infiltration measure designed to promote infiltration of appropriately retated water to surrounding aosis. The primary function of these						

ASSET TYPE	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
ASSELLITE	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION	ENUMERATION \ DETAIL Infiltration Tank	DESCRIPTION Infiltration measure designed to promote infiltration of appropriately	ENOMERATION (DETAIL	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION	ENUMERATION (DETAIL	DESCRIPTION
					treated water to surrounding soils. The primary function of these						
					devices is runoff volume control rather than pollutant removal.						
				Rubble Pit	A rubble pit designed to promote infiltration of untreated runoff to surrounding soils.						
				Sand Filter	A sand filter is a sand layer designed to filter fine particulates from						
					stormwater before discharging to a downstream drainage system.						
				Sediment Forebay	A Sediment Forebay, usually associated with a WSUD area to						
		Function1	The first function of the WSUD point. Must be	Sediment Capture	intercept coarse sediment. Sediment Capture						
			supplied.	Sand Filtration	Sand Filtration occurs in a sand layer designed to filter fine						
					particulates from stormwater before discharging to a downstream drainage system.						
				Infiltration	Infiltration measures typically consist of holding pond or tank designed to promote infiltration of appropriately treated water to						
					surrounding soils. The primary function of these devices is runoff						
				Aquifer Storage	volume control rather than pollutant removal. Aquifer Storage						
				Energy Dissipation	The dissipation of kinetic energy from flowing storwater to reduce						
		Function2	The second function of the WSUD point, if	Sediment Capture	its potential for erosion and damage. Sediment Capture						
			applicable	Sand Filtration	Sand Filtration occurs in a sand layer designed to filter fine particulates from stormwater before discharging to a downstream						
					drainage system.						
				Infiltration	Infiltration measures typically consist of holding pond or tank designed to promote infiltration of appropriately treated water to						
					surrounding soils. The primary function of these devices is runoff						
				Aquifer Storage	volume control rather than pollutant removal. Aquifer Storage						
				Energy Dissipation	The dissipation of kinetic energy from flowing storwater to reduce its potential for erosion and damage.						
		Function3	The third function of the device, if applicable	Sediment Capture	Sediment Capture						
				Sand Filtration	Sand Filtration occurs in a sand layer designed to filter fine particulates from stormwater before discharging to a downstream						
				Infiltration	drainage system. Infiltration measures typically consist of holding pond or tank						
				Inflitration	designed to promote infiltration of appropriately treated water to						
					surrounding soils. The primary function of these devices is runoff volume control rather than pollutant removal.						
				Aquifer Storage	Aquifer Storage						
				Energy Dissipation	The dissipation of kinetic energy from flowing storwater to reduce its potential for erosion and damage.						
		Length mm	The length of the device		positiveInteger						
		Width mm MaintenanceCycle_mnths	The width of the device The minimum maintenance cycle in months.		positiveInteger positiveInteger						
			This is the revisit interval for maintenance or inspection, if applicable.								
		Rotation	Rotation angle (cartesian - anti-clockwise 0		Float_Direction						
		Geometry	Point geometry representing the feature in		geometry_point_singlepoint						
Firm Manager Parks	Represents a Flow Management	Sqid_ld	coordinate space. The string identifier of the device, as it would								
Flow management Device	Device. Also often called a		appear on a plan.		String_32						
	Stormwater Quality Improvement Device (SQID).	Туре	Stormwater Flow Management Device Type	Levee Spillwav	Levee Spillway						
	Device (eq.D).			Weir	Weir						
		Material	The predominant material of the Stormwater Flow Management Device.	Concrete Earth	Concrete Earth						
				Grassed Grouted Rock	Grassed Grouted Rock						
				Metal	Metal						
				Placed Rock Timber	Placed Rock Timber						
		Length m			Float Positive NonZero						
		CrestElevation m Geometry	Polyline geometry representing the feature in		Float geometry_linear_multipath_simple						
WSUD Area	Represents a Water Sensitive Urban	Sqid_ld	coordinate space. The string identifier of the device, as it would		String 32						
	Design (WSUD) area feature. Also	TreatmentMeasure	appear on a plan. The treatment measure employed. Choose from	Buffer Strip							
	often called a StormWater Quality Improvement Device (SQID).	caunonuviodSUIE	a list relevant to complex area features.	Control Only	A buffer strip is a vegetated slope. Stormwater flows across a buffer strip. Treatment is provided by infiltration to the soil and by						
	Use area features to represent constructed wetlands, bioretention			Swale	filtration of shallow flow through the vegetation. A swale is a shallow trapezoidal channel lined with vegetation.						
	basins, biofiltration beds, swales etc.				Stormwater flows along a swale. Treatment is provided by						
					infiltration to the soil and by filtration of shallow flow through the vegetation.						
				Bioretention Swale	Bioretention swales include a vegetated infiltration trench within the invert of a swale. Incorporating the infiltration trench enhances						
					removal of both particles and nutrients.						
				Sedimentation Basin	A sedimentation basin is a small pond, about 1m deep, designed to capture coarse to medium sediment from urban catchments.						
					Treatment is provided primary through settling of suspended						
				Bioretention Basin	particles. A bioretention basin is a vegetated bed of filter material, such as						
					sand and gravel. The basin is designed to capture stormwater runoff which then drains through the filter media. Pollutants are						
					removed by filtration and by biological uptake of nutrients.						
				Constructed Wetland	Constructed wetland systems are shallow, vegetated water bodies						
					the use enhanced sedimentation, fine filtration and biological						
					uptake processes to remove pollutants from stormwater.						
		Function1	The first function of the WSUD area. At least one function must be supplied. Choose from a	Gross Pollutant Capture	Gross Pollutant Capture is the function of removing coarse particulate matter from stormwater.				-		
			list relevant to complex area features.	Sediment Capture	Sediment Capture is the function of capturing coarse to medium						
					sediment from urban catchments. Treatment is provided primarily through settling of suspended particles.						
				Oil / Grit Separation Sand Filtration	Oil / Grit Separation						
				Cand Fill addi	Sand Filtration occurs in a sand layer designed to filter fine particulates from stormwater before discharging to a downstream						
				Permeation	drainage system. Permeation allows water to penetrate the surface and join						
					subterranean flows						
				Vegetated Filtration Bioretention	Vegetated Filtration Bioretention						
		Function2	The second function of the WSUD area, if	Gross Pollutant Capture	Gross Pollutant Capture is the function of removing coarse						
	_		applicable.		particulate matter from stormwater.						ļ

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ASSET TYPE DESCRIP	TION ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
			Sediment Capture	Sediment Capture is the function of capturing coarse to medium						
				sediment from urban catchments. Treatment is provided primarily						
				through settling of suspended particles.						
			Oil / Grit Separation	Oil / Grit Separation						
			Sand Filtration	Sand Filtration occurs in a sand layer designed to filter fine						
				particulates from stormwater before discharging to a downstream						
				drainage system.						
			Permeation	Permeation allows water to penetrate the surface and join						
				subterranean flows						
			Vegetated Filtration	Vegetated Filtration						
			Bioretention	Bioretention						
	Function3	The third function of the WSUD area, if	Gross Pollutant Capture	Gross Pollutant Capture is the function of removing coarse						
		applicable.		particulate matter from stormwater.						
			Sediment Capture	Sediment Capture is the function of capturing coarse to medium						
				sediment from urban catchments. Treatment is provided primarily						
				through settling of suspended particles.						
			Oil / Grit Separation	Oil / Grit Separation						
			Sand Filtration	Sand Filtration occurs in a sand layer designed to filter fine						
				particulates from stormwater before discharging to a downstream						
				drainage system.						
			Permeation	Permeation allows water to penetrate the surface and join						
				subterranean flows						
			Vegetated Filtration	Vegetated Filtration						
			Bioretention	Bioretention						
	PondingArea m2	Area of Temporary Ponding or Extended		Float Positive NonZero						
	· -	Detention in square metres.								
	PondingDepth_m	Average depth of Temporary Ponding or		Float Positive NonZero						
		Extended Detention in metres.								
	FilterArea m2	Area of Bioretention filter media in square		Float Positive NonZero						
	-	metres.								
	FilterDepth m	Depth of Bioretention filter media in metres.		Float Positive NonZero						
	TransitionDepth m	Depth of the Bioretention Transition Layer in		Float_Positive_NonZero						
	• =	metres.								
	DrainageDepth m	Depth of the Bioretention Drainage Layer in		Float Positive NonZero						
		metres.								
	MacrophyteZoneArea m2	The vegetated area in square metres (may be		Float Positive Zero						
	1-7-1,	zero). Area of vegetated portion of constructed								
		wetland (macrophyte zone)								
	MacrophyteZoneDepth m	Average depth of vegetated portion of		Float Positive NonZero						
		constructed wetland (macrophyte zone).								
	CoarseSedimentArea_m2	Maximum area of ponding (for coarse sediment		Float Positive Zero						
		capture) before bypass.								
	SedimentVolume m3	Volume of sediment capacity in cubic metres		Float Positive NonZero						
	MinSurfaceLevel m	Minimum surface level within structure (above or		float						
	mmoundocoroi_III	below water surface level).		··						
	PermanentPondLevel m	Water surface level during normal dry weather.		float						
	. S.Marieriti GridEevel_III	react condcc level caring normal dry weather.		TOUR TOUR						
	OutletLevel m	The surface level in metres of the bypass, or		float						
	OddetE646I_III	spillway, or other overflow outlet structure.		TOOLS .						
	DesignFlow m3s	The maximum design flow of the feature in cubic		Float Positive NonZero						
	DesignFlow_III38			I loat_I collive_Ivolizato						
	HasSpillway	metres per second Whether the feature has a spillway		boolean						
				positiveInteger						
	mailtenanceCycle_mntns	The minimum maintenance cycle in months		positiveritieger						
	Coometry	(refer to specifications)		geometry area multipath compley						
	Geometry	Polygon geometry representing the feature in		geometry_area_multipath_complex						
		coordinate space.								

ASSET GROUP	Open Space	DESCRIPTION	Data structure constraining information for Open Space features.
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ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	. DESCRIPTION
OpenSpaceArea	Represents a top-level area of open space regarded as a	Name	The offical name or description of the Open Space area (eg:		String_64		
	single functional area, such as a park or recreation area.	T	Smith St Park, Stockland Park Sporting complex)	Recreational	Recreational		
	May be, but not necessarily, coincident with cadastral	Туре	The type of Open Space area eg: Recreational, Bushland, Sporting Complex	Recreational Bushland	Bushland		
	boundary		Sporting Complex	Road Reserve	Road Reserve		
				Special Facility	Special Facility		
		Geometry	The geometry representing this feature in coordinate space.	,	geometry_area_multipatch_complex		
ActivityArea	Represents an activity area such as a playground or	Use	The type of use for the Activity Site eg: Animal, Fitness, Play,	Animal	Animal		
-	excercise area		Sport	Fitness	Fitness		
				General	General		
				Play	Play		
		T	The true of Anti-ity Otto England Field Overling Feelith	Sports	Sports		
		Type Material	The type of Activity Site. Eg: Sports Field, Cycling Facility The material type of Undersurfacing eg: Bark, Rubber, Grassed	Bark	String 64 Bark		
		Material	The material type of Oridersurfacing eg. Dark, Nubber, Grassed	Bitumen	Bitumen		
				Concrete	Concrete		
				Grass	Grass		
				Gravel	Gravel		
				Rubber Matting	Rubber Matting		
				Sand	Sand		
		Thiston	This has a set on the delice of Wareham	Synthetic Grass	Synthetic Grass		
		Thickness mm Geometry	Thickness of material in millimetres. The geometry representing this feature in coordinate space.		Float Positive NonZero geometry area multipatch complex		
Edging	Represents the Edging of an Activity Area or Landscaped	Material	The geometry representing this feature in coordinate space. The material type of edging	Aluminium	Aluminium		
.uging	Area	atoriai	a.c.idi typo oi ouging	Brick	Brick		
				Concrete	Concrete		
				Paver	Paver		
				Plastic	Plastic		
				Rock	Rock		
				Rubber	Rubber		
				Timber	Timber		
			Length of material in millimetres.		positiveInteger		
		Width mm Geometry	Width of material in millimetres. The geometry representing this feature in coordinate space.		positiveInteger geometry linear singlepath complex		
ActivityPoint	Represents an activity point feature. E.g: Animal, Fitness,	Use	The activity use category	Animal	Animal		
ACTIVITYFOIII	Play or Sports activity item.	036	The activity use category	Fitness	Fitness		
	ray or oports acarry nem.			Play	Play		
				Sports	Sports		
		Туре	The activity item type		String_64		
		Material	The material type of Activity Item eg: Timber, Aluminium	Aluminium	Aluminium		
				Combination	Combination		
				Fibreglass	Fibreglass		
				Plastic Rubber	Plastic Rubber		
				Steel Galvanised	Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Stainless Steel	Stainless Steel		
				Timber	Timber		
			The theme of the Activity item. Eg: Kangaroo, Boat, Fort, Car		String 64		
			The number of units present eg: 1, 2, 3		positiveInteger		
			The Manufacturer of the unit		String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
		Geometry	The geometry representing this feature in coordinate space.		geometry_point_singlepoint		
Barbeque	Represents an individual barbeque facility	EnergySource	The Source of energy for the BBQ. Ie: Mains, Bottled, Solar	Main	Mains power		
our seque	represents an individual varieture lacility	orgycource	334.36 or energy for the DDQ. Ie. Malila, Dollieu, 30lal	Solar	Solar power		
				Bottled Gas	Bottled gas		
				Wood	Wood fired		
		Plates	The number of plates fitted in the BBQ structure.	Minimum (Inclusive) Value: 1	At least one plate must be recorded.		
				Maximum (Inclusive) Value:	Up to ten plates are provided for, where they are built into a		
		0	The marked allower of the annual above to the last of the second above to the last of the	10	single structure.		
		SurroundingMaterial	The material type of the surround structure ie: brick, steel and Timber	Masonry Steel and Timber	Masonry Steel and Timber		
		TopMaterial	The material type of the top structure ie: Tiled, marble, steel	Concrete	Concrete		
		pinatoriui		Tiled	Tiled		
				Marble	Marble		
				Stainless Steel	Stainless Steel		
			The Manufacturer of the unit		String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
-b1-	December 4 to ble well the state of the stat	Geometry	The geometry representing this feature in coordinate space.	Daniel	geometry_point_singlepoint		
able	Represents a table unit that may include fixed seating. Not to be used for seating that does not include a table as its main	Туре	The type of Unit eg: Table, Bench or counter.	Bench Counter	Bench Counter		
	- DE USED FOR SEATING THAT GOES NOT INCLUDE A TABLE AS ITS MAIN				Table		
	feature.	Seating	Seating details. Element should be nil if no seating is present.	Table SeatType	The configuration of the associated seating.	Bench	Bench seat

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	_ DESCRIPTION
						Post and Seat Post and Swivel Seat	Fixed post with non-swivelling seat Fixed post with swivelling seat
				Places	The number of individuals the seating is designed for. This	Post and Swiver Seat	positiveInteger
					attribute may be used to help determine the capacity of a recreational facility.		
		Material	The material type of Table/Seat eg: Timber, Aluminium	Aluminium Concrete	Aluminium Concrete		
				Plastic	Plastic		
				Stainless Steel Steel Galvanised	Stainless Steel Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Timber Timber and Steel	Timber Timber and Steel		
		Manufacturer	The Manufacturer of the unit	Timber and oteor	String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
04	Description of the last of the	Geometry	The geometry representing this feature in coordinate space. The configuration of the seating.	Francisco din s	geometry point singlepoint Freestanding bench seat		
	Represents a seat feature. Includes freestanding seats and border seating mounted in garden walls. Represents a seat	SeatType	The configuration of the seating.	Freestanding Border	Border seating set in garden wall or similar low structure.		
	unit that does not include a table as its main feature.	Places	The number of individuals the seating is designed for. This		positiveInteger		
		i laces	attribute may be used to help determine the capacity of a recreational facility.		positiveniteger		
		Material	The primary material type of Seat eg: Timber, Aluminium	Aluminium	Aluminium		
				Concrete Plastic	Concrete Plastic		
				Stainless Steel	Stainless Steel		
				Steel Galvanised Steel Powder Coated	Steel Galvanised Steel Powder Coated		
				Timber	Timber		
		Manufacturer	The Manufacturer of the unit	Timber and Steel	Timber and Steel String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
		Geometry	The geometry representing this feature in coordinate space.		geometry_point_singlepoint		
WasteCollectionPoint	Represents a waste collection point feature	Туре	The type of Bin/Waste collection point eg: Std Litter Bin, Wheelie Bin Enclosure	Recycle Bin Standard Litter Bin	Recycle Bin Standard Litter Bin		
			5.7 £.10.000.10	Wheelie Bin Enclosure	Wheelie Bin Enclosure		
		Material	The material type of Bin/Waste collection point eq: Aluminium,	Wheelie Bin Stand Aluminium	Wheelie Bin Stand Aluminium		
			Steel	Plastic Stainless Steel	Plastic Stainless Steel		
				Steel Galvanised	Steel Galvanised		
				Steel Powder Coated Timber	Steel Powder Coated Timber		
				Timber and Steel	Timber and Steel		
		Manufacturer ModelNumber	The Manufacturer of the unit The standard code, model number or part number for the unit		String 64 String_64		
BicycleFitting	Represents a bicycle fitting feature	Geometry Type	The geometry representing this feature in coordinate space. The type of Bicycle fitting eg: Bicycle Rack, Bannana Rail	Banana Rail	geometry point singlepoint Banana Rail		
	Represents an individual fitting for the use or safety of		·	Bicycle Rack Chicane	Bicycle Rack Chicane		
	cyclists.	Material	The material type of Bicycle fitting eg: Timber, Aluminium	Aluminium	Aluminium		
				Stainless Steel Steel Galvanised	Stainless Steel Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Timber Timber and Steel	Timber Timber and Steel		
		Manufacturer ModelNumber	The Manufacturer of the unit The standard code, model number or part number for the unit		String 64 String 64		
			The standard code, model number or part number for the unit				
GeneralFixture	Represents a general fixture feature. This is a class of minor	Geometry Type	The geometry representing this feature in coordinate space. The type of Fixture eg: Dog bag dispensers, Fish cleaning		geometry point singlepoint String_32		
	point based fixtures not complex enough for a specific		station	Aloneinione			
	feature class.	Material	The material type of Fixture eg: Timber, Aluminium	Aluminium Plastic	Aluminium Plastic		
				Stainless Steel Steel Galvanised	Stainless Steel Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Timber Masonry	Timber Masonry		
				Combination	Combination		
		Manufacturer ModelNumber	The Manufacturer of the unit The standard code, model number or part number for the unit		String 64 String 64		
			·				
BarrierContinuous	Represents a continuous linear barrier feature, such as	Geometry Type	The geometry representing this feature in coordinate space. The type of Barrier eg: Safety Fencing, Bollard Run, Gate	Bollard Run	geometry point singlepoint Bollard Run		
	fencing, walls, handrail or bollard run.		•	Dunal Fencing	Dunal Fencing		

point, such as a locking post or single bollard. Point Po	ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
Name And Part of the Control South Profession of the Control S		Do not use for retaining walls.						
Projection Code Charge Management Charge Manageme								
Programming of the control of the co					Noise Barrier			
Test Addressed Test Addressed					Pedestrian Gate			
Significance of the comment of the c					Safety Fencing	Safety Fencing		
Weight Could Authority Fig. 1 Section 1 Secti					Slide Rail			
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TopMelarial The material type of Samier Topping Melarial eg: None, Chein, Patiends Authritism Authr					Coaled Rolled Steel	Rolled steel sheeting with a primed and painted or baked finish		
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Engith m The lineal length of the barrier in metres Float Positive NonZero								
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Timber Timber Geometry The geometry representing this feature in coordinate space. geometry point singlepoint								
Geometry The geometry representing this feature in coordinate space. geometry point singlepoint								
Retaining Wall Represents a continuous retaining wall feature. Includes Use Context of use for this wall. i.e Terrestrial or Marine Terrestrial (land based) revertment wall			Geometry	The geometry representing this feature in coordinate space.				
	RetainingWall	Represents a continuous retaining wall feature. Includes	Use	Context of use for this wall. i.e Terrestrial or Marine	Terrestrial	Terrestrial (land based) revetment wall		

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
	terrestrial, freshwater and marine revetment walls.			Freshwater	Freshwater revetment wall. Designed to cope with freshwater		
					flood levels. Also engineered walls for pools and ponds.		
				Manda -	Marina accordance to confli		
		Material	The material/type of Retaining Wall eg: Rock, Conc. Block,	Marine Boulder	Marine revetment wall Boulder		
			Conc. Crib	Concrete Concrete crib	Concrete, poured in situ.		
				Precast Concrete Slab	Concrete crib Precast Concrete Slab		
				Masonry	Masonry bricks or blocks		
				Rock Timber Sleeper	Rock or stone, either placed, or mortared Timber sleepers or logs		
				Timber Crib	Timber Crib		
				Shot Binding	Pneumatically projected binding material, usually concrete or stabilising mortar		
		Construction	Construction principle of this wall (eg: Gravity, Piled, Cantilever)	Gravity	These walls use their own weight and any captured soil or fill		
				Piled	weight to resist the lateral soil pressure. These walls use the embedded depth of vertical posts and the		
					strength of the posts to resist lateral soil forces.		
				Cantilever	These walls cantilever vertically from the concrete footing and typically resist overturning by the mass of the soil or material on		
					the heel of the footing.		
		Length m	The lineal length of the wall in metres		Float Positive NonZero		
		Height_m Geometry	The height (or average height) of the wall in metres The geometry representing this feature in coordinate space.		Float_Positive_NonZero geometry linear multipath complex		
Shelter	Represents an individual open space shelter feature as a	Туре	The type of structure eg: Sail, Rigid	Rigid	Rigid		
	point object	ConstructionType	The type of shelter constructed eq: Prefab or Built insitu	Sail Prefabricated	Sail Prefabricated		
		**		Insitu	Built or poured in-situ		
		FloorMaterial	The material type of the Floor eg: Concrete, Timber	Concrete Paved	Concrete Paved		
				Timber	Timber		
		WallMaterial	The material type of the Walls eg: Timber/cladding, Reinforced Block	None Concrete	None Concrete		
			Block	Cladding	Cladding		
				Masonry Stainless Steel	Masonry Stainless Steel		
				Galvanised Steel	Galvanised Steel		
				Powder Coated Steel Timber	Powder Coated Steel Timber		
		RoofMaterial	The material type of the Roof eg: Steel Sheeting, Masonary tiles	Masonry Tiles	Masonry Tiles		
				Sail Steel Sheets	Sail Steel Sheets		
				Timber slats	Timber slats		
		Manufacturer ModelNumber	The Manufacturer of the unit The standard code, model number or part number for the unit		String 64 String 64		
			·				
ShelterPolygon	Represents an individual open space shelter feature as a	Geometry Type	The geometry representing this feature in coordinate space. The type of structure eg: Sail, Rigid	Rigid	geometry_point_singlepoint Rigid		
Sheller Folygon	polygon object			Sail	Sail		
		ConstructionType	The type of shelter constructed eg: Prefab or Built insitu	Prefabricated Insitu	Prefabricated Built or poured in-situ		
		FloorMaterial	The material type of the Floor eg: Concrete, Timber	Concrete	Concrete		
				Paved Timber	Paved Timber		
		WallMaterial	The material type of the Walls eg: Timber/cladding, Reinforced	None	None		
			Block	Concrete Cladding	Concrete Cladding		
				Masonry	Masonry		
				Stainless Steel Galvanised Steel	Stainless Steel Galvanised Steel		
				Powder Coated Steel	Powder Coated Steel		
		RoofMaterial	The material type of the Roof eq: Steel Sheeting, Masonary tiles	Timber Masonry Tiles	Timber Masonry Tiles		
		Noonvialeriai	me material type of the Roof eg. Steel Streeting, Masonary tiles	Sail	Sail		
				Steel Sheets Timber slats	Steel Sheets Timber slats		
		Manufacturer	The Manufacturer of the unit	Timbel Slats	String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
		Geometry	The geometry representing this feature in coordinate space.		geometry area singlepatch complex		
Artwork	Represents an individual instance of open space artwork	Туре	The type of Artwork eg: Sculpture, Statue	Entry Statement Memorial	Entry Statement Memorial		
				Monument	Monument		
				Mosaic	Mosaic		
				Plaque Sculpture	Plaque Sculpture		
			Sunshine Coast Council ADAC A	•			Page 17 of

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
				Statue	Statue		
		Material	The medical true of Autricula and Timber Alicensis	Other Aluminium	Other		
		Material	The material type of Artwork eg: Timber, Aluminium	Aluminium Bronze	Aluminium Bronze		
				Concrete	Concrete		
				Fibreglass	Fibreglass		
				Masonry	Masonry		
				Plastic	Plastic		
				Stainless Steel	Stainless Steel		
				Steel Galvanised	Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Stone	Stone		
				Tile	Tile		
				Timber	Timber		
		Geometry	The geometry representing this feature in coordinate space.	Combination	Combination geometry point singlepoint		
Building	Represents an open space building feature, such as a toilet		The type of Building eg: Grandstand, Bandstand	Amenities	Amenities		
Bulluling	block, bandstand.	Туре	The type of Building eg. Grandstand, Bandstand	Amphitheatre	Amphitheatre		
	Not to be used for shelters.			Arbour	Arbour		
	Not to be used for shellers.			Bandstand	Bandstand		
				Grandstand	Grandstand		
				Open Seating	Open Seating		
				Sheds	Sheds		
				Toilet Block	Toilet Block		
				Viewing Platform	Viewing Platform		
				Demountable	Demountable site office		
		Material	The material type of Building eg: Timber, Brick	Aluminium	Aluminium		
				Concrete	Concrete		
				Masonry	Masonry Stail		
				Stainless Steel	Stainless Steel		
				Steel Galvanised Steel Powder Coated	Steel Galvanised Steel Powder Coated		
				Timber	Steel Powder Coated Timber		
				Combination	Combination		
		Geometry	The geometry representing this feature in coordinate space.	- monitation	geometry area singlepatch complex		
BoatingFacilitiy	Represents a boating facility feature, such as a pontoon,	Туре	The type of Boating Facility eg: Jetty, Pier	Jetty	Jetty		
,,	ramp or jetty.); · · · · · · · · · · · · · · · · · · ·	Pier	Pier		
				Ramp	Ramp		
				Slipway	Slipway		
		Material	The material type of Boating Facility eg: Timber, Aluminium	Aluminium	Aluminium		
				Concrete	Concrete		
				Stainless Steel	Stainless Steel		
				Steel Galvanised	Steel Galvanised		
				Steel Powder Coated	Steel Powder Coated		
				Timber	Timber		
		Geometry	The geometry representing this feature in coordinate space.	Combination	Combination geometry area singlepatch complex		
ElectricalFitting	Represents an electrical fitting point feature, including	Type	The type of Electrical Component eg: Light, Switch Board,	Light	Light		
LieculcalFitting	lighting, whether freestanding or fixed to an existing	туре	Power Outlet	Pit	Pit		
	structure.		1 Ower Guilet	Pole	Pole		
				Power Outlet	Power Outlet		
				Switch Board/Meter Box	Switch Board/Meter Box		
		Base	The type of base (eg: Fixed or Slip)	Fixed	Fixed		
			**	Slip	Slip		
		Material	The material type of the component eg: Aluminium, Steel	Aluminium	Aluminium		<u> </u>
				Concrete	Concrete		
				Plastic	Plastic		
				Stainless Steel	Stainless Steel		
				Galvanised Steel	Galvanised Steel		
				Powder Coated Steel	Powder Coated Steel		
				Stone	Stone		
		EnergyScures	The type of Power Source ea: Mains, Solor	Wood Main	Wood Main		
		EnergySource	The type of Power Source eg; Mains, Solar	Main Solar	Solar		
		Manufacturer	The Manufacturer of the unit	Solai	String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
			and the difference of part realization for the diffe		J_ ^ :		
		Geometry	The geometry representing this feature in coordinate space.		geometry point singlepoint		
ElectricalConduit	Represents a continuous linear course of electrical conduit.	Туре	The conduit type eg: Medium Duty, Heavy Duty	Medium Duty	Medium Duty		
				Heavy Duty	Heavy Duty		
		Material	The conduit material type	PVC	PolyVinylChloride		·
		Diameter mm	The conduit diameter		positiveInteger		
		Length m	The lineal length of the barrier in metres	0	Float Positive NonZero		
		Protection	The type of conduit protection used eg: Concrete encased,	Concrete Encased	Concrete encased		
			rubber mat, tape only	Rubber Mat	Rubber Mat		
		Geometry	The geometry representing this feature in coordinate space.	Tape Wrapped	Tape Wrapped geometry linear multipath complex		

ADAC OpenSpace

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
	shaped lawn, or landscape feature area.		Vegetation	Grass	Grass		
	· · · · ·			Gravel	Gravel		
				Earth	Earth		
				Remnant Vegetation	Remnant Vegetation		
				Revegetation	Revegetation		
				Synthetic Grass	Synthetic Grass		
		RootBarrier	Does Root Barrier exist - Yes or No		boolean		
		Irrigated	Is Landscaped Area irrigated?		boolean		
		Geometry	The geometry representing this feature in coordinate space.		geometry area multipatch complex		
Tree	Represents a tree feature. Trees may qualify as assets when	Species	The Tree Species		String 32		
	planted as street trees, or when significant specimens are	Genus	The Tree Genus		String 32		
	retained or planted as part of an open space development.	RootBarrier	Does Root Barrier exist - Yes or No		boolean		
		Grate	Does Tree Grate exist - Yes or No		boolean		
		Geometry	The geometry representing this feature in coordinate space.		geometry point singlepoint		
Sign	Represents a sign. May also be used for transport signs	Туре	The type of Sign eg: Regulatory, Naming, Information	Traffic Control	Traffic control signs such as speed, parking, hazard, street name		
			The purpose of a sign. Applied to individual sign blades as		and guide signs. Signs with standard meanings or mandated		
			blades may have different purposes in a compound sign.		specifications as defined in a Manual of Standard Traffic Control		
					Devices relevant to a state or country should be given this value.		
					Where this value is used, then the sign feature should also be		
					attributed with the applicable standard identifying code in the		
					ModelNumber property.		
				Regulatory	Regulating non-traffic control matters such as council		
					regulations, prohibited behaviours etc.		
				Information	Providing non-traffic control information of a historical,		
					environmental or other topical nature.		
				Direction	Providing non-traffic control directions, distances or maps to		
				NA / !	places of interest		
				Warning	Providing non-traffic control warning of general hazards		
				Naming	Non-traffic control sign identifying a locality, park, facility or place of interest		
		Material	The material type of sign eg: Timber, Steel/Aluminium, Carved	Stainless Steel	Stainless Steel		
			stone	Aluminium	Aluminium		
				Timber	Timber		
				Masonry	Masonry		
				Steel Galvanised	Steel Galvanised		
				Plastic	Plastic		
				Steel Powder Coated	Steel Powder Coated		
				Glass	Glass		
		Manufacturer	The Manufacturer of the unit		String 64		
		ModelNumber	The standard code, model number or part number for the unit		String_64		
		Structure	The type of structure this sign blade is fixed to.	Post	Fixed to an existing post or pole		
		Ou doldi e	The type of structure this sight blade is fixed to.	Gantry	Fixed to a gantry		
				Free Standing	Free standing, having its own poles or supports		
				Monopole	Fixed to a monopole		
				Overpass	Fixed to an overpass or bridge		
		SignText	Sian Text	C.C.pubb	string		
		Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float Direction		
			May be used to denote direction of facing.		_		
		Geometry	The geometry representing this feature in coordinate space.		geometry point singlepoint		

ASSET GROUP Water Supply Description Data structure constraining information for Water Supply features.

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAI	L DESCRIPTION
WaterServices	Represents the feature class of domestic sized water services	WaterService	Represents a domestic water service feature.	Diameter_mm	Nominal diameter of the pipe in millimetres.	Minimum (Inclusive) Value: 20 Maximum (Inclusive) Value: 63	Minimum service diameter is 20mm Maximum service diameter to use this feature class is 63mm
				Material	The service pipe material.	DI Copper PE M 1 Other Unknown	Ducille fron Copper Polyethylene A new material not in the schema as agreed with the receiving entity Material not currently in the schema
				Class	The service pipe class as specified by the manufacture and relevant to the material.	PN6 PN6, 3 PN8 PN9 PN10 PN12 PN12-5 PN16 PN18 PN20 PN35 Type A Other	Material Unknown at time of data submission Class PN6 for poly services Class PN6 for poly services Class PN8 for poly services Class PN3 for poly services Class PN10 for poly services Class PN10 for poly services Class PN12 for poly services Class PN12 for poly services Class PN12 for poly services Class PN16 for poly services Class PN16 for poly services Class PN16 for poly services Class PN18 for poly services Class PN35 (Standard for DI) Type A for copper services Some other service pipe class not included in the schema
				Protection	Provision of conduit or other protection	Unknown Conduit No Conduit Other Unknown	Service class unknown at time of data submission The water service is laid in a protective conduit The water service is not in a protective conduit Some other type of protection Service protection type unknown at time of data submission
				Termination	Fitting or valve at the customer end of the service	Ball Valve No Valve Other Unknown	Service ends in a Ball Valve Service ends in an open pipe or blank end Service ends in some other way Service termination unknown at time of data submission
				WaterQuality	Type of water supplied through water service:Drinking water, recycled water or disused service	Drinking Water Recycled Aplus Recycled A Other Disused	Service supplying drinking quality water to a premises Service providing class A + or better recycled water to a premises served by dual reticulation for toilet flushing, laundry and external use Service providing class A recycled water to a premises via dual reticulation for outdoor uses only Another use not specified in the schema A disused water service
				Length m	Material length of the pipe in metres.	Unknown	Water service providing a type of water unknown at time of data submission Float Positive NonZero
				Geometry	Point geometry representing the feature in coordinate space.		geometry_point_singlepoint
Pipes	Represents the feature class of water supply pipes	Pipe	Represents a water supply pipe feature.		The purpose of this feature in the network.	Commercial Service Conduit Disused Fire Service Fire Domestic Fire Sprinkler Fire Service Thru Meter Intake	Commercial Service pipes. Pipe protecting a water pipe running inside it. Not hydraulically connected to the network Disused Main Fire Service - usually used for private customer-owned infrastructure not owned by the water service provider Domestic Fire Service - usually used for private customer-owned infrastructure not owned by the water service provider Dedicated un-metered fire sprinkler service - usually used for private customer-owned infrastructure not owned by the water service provider Metered Fire Service - usually used for private customer-owned infrastructure not owned by the water service provider
						Internal Irrigation Reticulation Scour Service Trunk Waste	Intake pipe feeding a water treatment plant or irrigation system (usualy with non potable water) Customer owned pipe on customer side of the meter distributing water from mains to internal fixtures Irrigation Pipe - usually used for private customer-owned infrastructure not owned by the water service provider Normal mains water distribution Pipe Scour main from reticulation to an outlet Used for service connections > DN63 from main to meter . Domestic Services use water service feature class Trunk Water Main being a reticulation main above a size as defined by the receiving entity Waste Pipe from a reservoir or tank
				WaterQuality	The quality of the water being carried by the pipe.	Other Drinking Water Recycled Aplus Recycled A	Another use not specified in the schema Drinking-quality (potable) water for normal mains supply by the municipal water service provider Class A+ tertiary treated with reverse osmosis recycled water for supply via dual reticulation for permitted interior and exterior uses Class A tertiary treated recycled water for supply via dual reticulation for permitted exterior
						Treated Effluent Rain Water Raw Water Ground Water Process Water Other	uses Treated Effluent to class B through class D for irrigation only Rain Water collected directly into the system for irrigation Untreated water from a watercourse or pond used to feed a water treatment plant or irrigation system Untreated water from bores used to feed a water treatment plant or irrigation system Kon-potable process water of some description Pipe conveying some other kind of water (not recycled class B and below which is considered as treated sewage effluent)
				Alianment m	Offset from casdastral boundary to the main.	Unknown	Type of water carried by this pipe is unknown at time of submission Float Positive NonZero
				Diameter mm	Nominal diameter of the pipe in millimetres.		positiveInteger
				Material	The pipe material.	DI PVC-U PVC-M PVC-O ABS Copper GRP	Ductile fron PolyVinyiChloride Unplasticised PolyVinyiChloride Modified PolyVinyiChloride Modified PolyVinyiChloride Contentated Acrylonthia Butadiene Styrene Copper Copper Glass Reinforced Plastic (includes the product known commercially as Hobas)

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
		···		-		MS SS	Mild Steel Stainless Steel
						PE-100	Polyethylene 100
						PE-80B RCP	Polyethylene 80B Reinforced Concrete Pipe
						RCP AC	Asbestos Cement (Existing Infrastructure Only)
						M 1 M 2	A new material not in the schema as agreed with the receiving entity A new material not in the schema as agreed with the receiving entity
						Other	Material not currently in the schema
				Class	The pipe class as specified by the manufacture. Pipe class	Unknown SN5000	Material Unknown at time of data submission Class SN5000
				Cidoo	refers to the wall thickness and performance of the material.	SN8000	Class SN8000
						SN10000 PN6	Class SN10000 Class PN6
						PN6.3	Class PN6.3
						PN8 PN9	Class PN8 Class PN9
						PN10	Class PN10
						PN12 PN12.5	Class PN12 Class PN12.5
						PN16	Class PN16 - default for PE-100, PVC-O and PVC-M
						PN18 PN20	Class PN18 Class PN20
						PN35	Class PN35 (Standard for DI)
						FLCL Type A	Class FLCL (ductile iron flanged class) Type A
						Type B	Type B
						4.8mm 5mm	4.8mm wall thickness class (Mild Steel) 5mm wall thickness class (Mild Steel)
						6mm	6mm wall thickness class (Mild Steel)
						7mm 8mm	7mm wall thickness class (Mild Steel) 8mm wall thickness class (Mild Steel)
						9mm	9mm wall thickness class (Mild Steel)
						10mm 11mm	10mm wall thickness class (Mild Steel) 11mm wall thickness class (Mild Steel)
						12mm	12mm wall thickness class (Mild Steel)
						16mm Other	16mm wall thickness class (Mild Steel) Another class not specified by the schema)
						Unknown	Pipe class unknown at time of data submission
				Lining	The internal corrosion protection method employed on the pipe material.	CL CL SR	Cement Lined normal (default for Ductile Iron and Mild Steel) Cement Lined - Sulphate Resistant (DI and MS)
						CL AC PVC	Cement Lined - Calcium Aluminate (DI and MS)
						FBE	Plasticised PVC (includes Humes Plastiline) Fusion Bonded Epoxy
						Unlined Unknown	Unlined Lining type unknown at time of data submission
						Other	Another type of liner that is not currently in the Schema
				Protection	The external corrosion protection method employed on the pipe material.	FBE FBPE	Fusion Bonded Epoxy Fusion Bonded Polyethelene (Includes the product known commercially as Sintakote)
					material.	Plastic Wrapped	Plastic Wrapped
						Concrete Encased Tape Wrapped	Concrete Encased Wrapped in pipe and flange protection anti-corrosion tape. Commonly a synthetic fabric tape
						Tape WTappeu	coated with a neutral petrolium compound.
						Uncoated	Uncoated
						Epoxy	Epoxy paint or coating
						P 1 P 2	A new protection type not yet in the schema as agreed with the data receiving entity A new protection type not yet in the schema as agreed with the data receiving entity
						Zinc	Galvanized or zinc painted
						Zinc-Aluminium Alloy Unknown	Zinc Aluminium alloy coating (Petair Saint-Gobain) Protection type unknown at time of data submission
				LainAT		Other	Another type of protection not covered by the schema
				JointType	Pipe jointing method employed.	RRJ RRRJ	Rubber Ring Rubber Ring Restrained Joint (Ductile Iron)
						SWJ	Solvent Welded Joint (PVC)
						FJ	Welded Joint (Mild Steel pipe) Flanged Joint
						MCJ	Mechanical Compression Joint (PE pipe and Copper)
						BW EFW	Butt Weld (PE pipe) Electrofusion Weld (PE pipe)
						JT_1	
						Unknown	A new joint type not yet included in the Schema used by agreement with the receiving entity. Joint type unknown at time of data submission
				Denth m	The average depth is metres that the size is having This	Other	A joint type not already included in the above choices Float
				Depth_m	The average depth in metres that the pipe is buried. This measure is useful in most residential developments, but will be		I IOGK
					less reliable in sharply changing terrain or where significant cuts		
					and fills have been applied. Negative depths may be used to indicate exposed or suspended pipes above the surface.		
				Embedment		Natural	Pipe laid directly on natural in-situ material
				Lindounient	Embedment types.	GBH	Granular bed and haunch
						GBS GBSonConc	Granular bed and surround Granular bed and surround on concrete support
						GBSonGTP	Granular bed and surround on geo-textile pillow
						GBSonCSS GBSonPiles	Granular bed and surround on cement stabilised support Granular bed and surround on piles
						CemStabBS	Cement stabilised bed and surround
						ConcBS ConcBSonPiles	Concrete bed and surround Concrete bed and surround on piles
						Enveloped	Within an enveloper pipe
						Above Ground None	Pipe is above ground on piers or a bridge deck Thrust bored or Trenchless method
	•			Supehine Coast Council AD			Page

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	- DESCRIPTION
						Unknown Other	Embedment Type unknown at time of data submission Another type of embedment type that is not already includesd in the standard types
						EB_1 FB 2	A non-standard or new type of embedment as agreed with the data receiving entity
				Length m	Material length of the pipe in metres.	EB_Z	A non-standard or new type of embedment as agreed with the data receiving entity Float Positive NonZero
				Geometry	Polyline representing the geometry of the feature in coordinate space.		geometry_linear_singlepath_simple
Valves	Represents the feature class of water supply valves	Valve	Represents a water supply valve feature.	Use	The purpose of the valve in the network.	Non-Return	A valve allowing flow in only one direction of types Generic, Rubber Gate, Swing Check Wafer of RPZ
						Stop	A valve to prevent flow down a pipe.
						Scour Diversion	A valve that is opened to scour a water main A valve the main function of which is to select an alternative flow path
						Zone Boundary	A Valve normally closed to separate water supply zones
						Flow Control Pressure Control	A valve used to control or stop the rate of flow A valve designed to control the pressure in a water supply system of types Overflow, Pressure
							Relief, Altitude Valve, or Vacuum Release
						Gas Release Other	A valve used to purge air or gas from the high points of a water pipeline A valve use for a use not provided for in the schema
				_		Service	A valve controlling flow between a water main and a water service
				Туре	The type of valve.	Generic NR Rubber Gate	A generic type of non return valve A rubber gate type non-return valve eg Val-Matic Swing-Flex
						Swing Check	A swing check type non-retun valve
						Wafer RPZ	A wafer type non-return valve An Reduced Pressure Zone type non return valve
						Gate Butterfly	A standard gate valve Butterfly Valve.
						Knife Gate	Knife Gate Valve.
						Eccentric Plug Globe	An eccentric plug type control Valve Globe Valve
						Ball Valve	A ball valve for flow control
						Vee Ported Ball Control	A vee-ported ball valve A generic or unknown type of control valve
						Overflow Pressure Relief	An overflow valve
						Pressure Relier Pressure Sustaining	An pressure releasing valve A pressure sustaining valve
						Altitude Valve Vacuum Release	Altitude Valve. Vacuum Release or surge control valve
						Air Valve	Air valve for gas or air release
				Diameter mm	The nominal bore diameter of the valve.	Special	A special type of valve not specified elsewhere in the schema positiveInteger
				Manufacturer	The Manufacturer of the unit		String 64
				ModelNumber Rotation	The standard code, model number or part number for the unit Rotation angle (cartesian - anti-clockwise 0 degrees = East)		String 64 Float Direction
				WaterQuality	The quality of the water in the network the valve is part of.	Drinking Water	Drinking-quality (potable) water for normal mains supply by the municipal water service provider
						Recycled Aplus	Class A+ tertiary treated with reverse osmosis recycled water for supply via dual reticulation
						Recycled A	for permitted interior and exterior uses Class A tertiary treated recycled water for supply via dual reticulation for permitted exterior
							uses
						Treated Effluent Rain Water	Treated Effluent to class B through class D for irrigation only Rain Water collected directly into the system for irrigation
						Raw Water	Untreated water from a watercourse or pond used to feed a water treatment plant or irrigation
						Ground Water	system Untreated water from bores used to feed a water treatment plant or irrigation system
						Process Water Other	Non-potable process water of some description Pipe conveying some other kind of water (not recycled class B and below which is considered
							as treated sewage effluent)
				Geometry	Point geometry representing the feature in coordinate space.	Unknown	Type of water carried by this pipe is unknown at time of submission geometry_point_singlepoint
Hydrants	Represents the feature class of water supply hydrants	Hydrant	Represents a water supply hydrant feature.	Use	The purpose of the hydrant in the network.	Spring	Spring Hydrant.
						Filling Point Pillar	Hydrant (usually of spring type) with a metered standpipe semi-permanently in place. Pillar Hydrant.
				Diameter mm	The nominal bore size of the hydrant.		positiveInteger Float Nivetics
				Rotation WaterQuality	Rotation angle (cartesian - anti-clockwise 0 degrees = East) The quality of the water being delivered through the hydrant.	Drinking Water	Float Direction Drinking-quality (potable) water for normal mains supply by the municipal water service
					· ,	Recycled Aplus	provider Class A+ tertiary treated with reverse osmosis recycled water for supply via dual reticulation
							for permitted interior and exterior uses
						Recycled A	Class A tertiary treated recycled water for supply via dual reticulation for permitted exterior uses
						Treated Effluent	Treated Effluent to class B through class D for irrigation only
						Rain Water Raw Water	Rain Water collected directly into the system for irrigation Untreated water from a watercourse or pond used to feed a water treatment plant or irrigation
							system
						Ground Water Process Water	Untreated water from bores used to feed a water treatment plant or irrigation system Non-potable process water of some description
						Other	Pipe conveying some other kind of water (not recycled class B and below which is considered
						Unknown	as treated sewage effluent) Type of water carried by this pipe is unknown at time of submission
Meters	Represents the feature class of water supply meters	Meter	Represents a water supply meter feature.	Geometry Serial Number	Point geometry representing the feature in coordinate space. The manufacturers serial number, as stamped or fixed on the		geometry point singlepoint String_64
	, and apply motors				meter.	lada et a c	
				Туре	Configuration of the meter.	Irrigation	Small in-line meter used in irrigation systems to give a general indication of flow volumes but not at the accuracy needed for billing or control
						Conventional Manifold	Standard volumetric meter
						Magflow	Meter with built-in valve Electro-magnetic Metering System with no moving parys
						Turbine Other	Meter using a turbine or moving vain to measure flow Another unspecified type of water meter
						Unknown	Meter type unknown at time of data submission
					The nominal bore diameter of the meter. The number of dials on the reading face.		positiveInteger positiveInteger
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Investor in your production of the production of								
Investor in your production of the production of	Fittings	Represents the feature class of water supply fittings	Fitting	Represents a water supply pipe fitting, other than a valve,	Туре	The fitting type.	Bend	
Class Consortion and A description copyolate of invasioning said historia for the Copyolation of the Copyola							Connector	A straight through connector with no change of direction
Description of the control of the co							Cross Connection	
In the standard or a distriction Control of the control of the control of the control of control of the control of control of the control of							Connector Thrust	A straight through connector with no change of direction capable of transmitting axial thrust to
Capacita Characterists Capacita Characterists Repair Characterists Capacita								
Capacita Characterists Capacita Characterists Repair Characterists Capacita							Dismantling Joint	A straight connector specifically included to facilitate the dismantling of complex flanged
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P 1 A new protection type not yet in the schema as agreed with the data receiving entity P 2 A new protection type not yet in the schema as agreed with the data receiving entity Zinc Aluminium Alloy Zinc-Aluminium Alloy Unknown Other Protection at time of data submission Other Another type of protection not covered by the schema BodySize_mm The nominal diameter of the largest pipe entering the fitting. Although not constrained, software may use the simpleType								Epoxy paint or coating
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BodySize_mm The nominal diameter of the largest pipe entering the fitting. Although not constrained, software may use the simpleType								Galvanized or zinc painted
Unknown Protection type unknown at time of data submission Other Another type of protection not covered by the schema BodySize_mm The nominal diameter of the largest pipe entering the fitting. Although not constrained, software may use the simpleType							Zinc-Aluminium Allov	
Other Another type of protection not covered by the schema BodySize_mm The nominal diameter of the largest pipe entering the fitting. Although not constrained, software may use the simpleType								
BodySize_mm The nominal diameter of the largest pipe entering the fitting. Although not constrained, software may use the simpleType								Another type of protection not covered by the scheme
Although not constrained, software may use the simpleType					BodySize mm	The nominal diameter of the largest nine entering the fitting	o unol	
					500,5120_11111	Although not constrained, software may use the simpleTime		positionings
water_intings_corresult for a starting list or values								
						water_natings_poresize for a staffing list of values		
				l				

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
				BranchSize_mm	The nominal diameter of the smallest pipe entering the fitting. Although not constrained, software may use the simpleType		positiveInteger
					water fittings boresize for a starting list of values		
				Rotation WaterQuality	Rotation angle (cartesian - anti-clockwise 0 degrees = East) The quality of the water being carried by the network to which		Float Direction Drinking-quality (potable) water for normal mains supply by the municipal water service
				Trator quality	the fitting is a part	· ·	provider
						Recycled Aplus	Class A+ tertiary treated with reverse osmosis recycled water for supply via dual reticulation for permitted interior and exterior uses
						Recycled A	Class A tertiary treated recycled water for supply via dual reticulation for permitted exterior uses
						Treated Effluent	Treated Effluent to class B through class D for irrigation only
						Rain Water Raw Water	Rain Water collected directly into the system for irrigation Untreated water from a watercourse or pond used to feed a water treatment plant or irrigation
						O	system Untreated water from bores used to feed a water treatment plant or irrigation system
						Ground Water Process Water	Non-potable process water of some description
						Other	Pipe conveying some other kind of water (not recycled class B and below which is considered as treated sewage effluent)
						Unknown	Type of water carried by this pipe is unknown at time of submission
	Description of the feeting state of the feeting sta	Malatananalitata	December 1	Geometry	Point geometry representing the feature in coordinate space.	Malian Dit	geometry_point_singlepoint
	Represents the feature class of water supply maintenance access holes	MaintenanceHole	Represents a water supply maintenance access hole feature.	Use	Purpose of Water maintenance hole.	Valve Pit Disused	Valve Pit Valve Pit that is no longer used
						Complex	Valve Pit that houses a combination of valves and other equipment
						Pressure Regulation Pump Station	Pit housing a pressure regulation or surge control device Water pumping station
						Temporary Works	Pit used during construction that is no longer used but has been left in place
						Other	Valve Pit with some other use not provided for in the schema
				ChamberSize	Data structure describing the chamber configuration and	Unknown Rectangular	Valve Pit of a type that is unknown at time of data submission Data container for rectangular dimensions.
				Onamberoize	dimensions.	_	Data container for rectangular ulmensions.
				SurfaceLevel_m	The height of the top surface of the lid, hatch, rim or roof.	Circular	Data container for circular dimensions.
				SurfaceLever_III	Surface level in metres against the vertical datum for this project.		rioat
				InvertLevel_m	The height of the top surface of interior floor/bottom. Invert level in metres against the vertical datum for this project.		Float
				FloorConstruction	Method of chamber construction.	Prefabricated Insitu	Prefabricated Built or poured in-situ
				FloorMaterial	Material type for chamber floor construction.	PVC	PolyVinylChloride
						PE PP	Polyethylene
						GRP	Polypropylene Glass Reinforced Plastic
						Concrete	Concrete
						M_1 M 2	A new material not in the schema as agreed with the receiving entity A new material not in the schema as agreed with the receiving entity
						Other	Another material not included in the Schema
				WallConstruction	Method of chamber wall construction.	Unknown Prefabricated	Material unknown at time of data submission Prefabricated
				WallMaterial	Material type for chamber wall construction.	Insitu PVC	Built or poured in-situ PolyVinylChloride
				T annatorial	material type for origination was conduction.	PE	Polyethylene
						PP GRP	Polypropylene Glass Reinforced Plastic
						Concrete	Concrete
						M 1 M_2	A new material not in the schema as agreed with the receiving entity
						M_2 Other	A new material not in the schema as agreed with the receiving entity Another material not included in the Schema
						Unknown	Material unknown at time of data submission
				RoofMaterial	Material type for chamber roof construction.	PVC PE	PolyVinylChloride Polyethylene
						PP	Polypropylene
						Concrete	Concrete
						MS SS	Mild Steel Stainless Steel
						Aluminium	Aluminium
						Cast Iron Frame Grid Mesh - GRP	Cast Iron Frame Grid Mesh - GRP
						Grid Mesh - Aluminum	Grid Mesh - Aluminium
						Grid Mesh - SS No Roof	Grid Mesh - Stainless Steel No Roof
						M_1	A new roof material not in the schema as agreed with the receiving entity
						M_2	A new roof material not in the schema as agreed with the receiving entity
						Other Unknown	Another roof material not included in the Schema Roof material unknown at time of data submission
				LidMaterial	Chamber lid configuration and material.	Aluminium	Aluminium
						Cast Iron CI Conc Infill	Cast Iron Cast Iron Concrete Infill
						Concrete	Concrete Infili
						GRP	Glass Reinforced plastic
						PVC PF	PolyVinylChloride Polyethylene
						PP	Polypropylene
						MS	Mild Steel
						PVC PE PP MS SS M 1	Stainless Steel A new lid material not in the schema as agreed with the receiving entity
						M_2 No Lid	A new lid material not in the schema as agreed with the receiving entity
						No Lid Other	Valve pit is open topped and has no lid Another lid material not included in the Schema
						Unknown	Lid material unknown at time of data submission
				Rotation Geometry	Rotation angle (cartesian - anti-clockwise 0 degrees = East) Point geometry representing the feature in coordinate space.		Float Direction geometry_point_singlepoint
ServiceFittings	Represents the feature class of water service fittings	ServiceFitting	Represents a water service fitting feature.	Туре	The type of service fitting	Control Panel	Irrigation control panel which may or may not be hydraulically connected

ADAC Water Supply

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
						Dog Bowl	Fixed animal drinking bowl attached to customer owned water connection
						Drinking Fountain	Drinking Fountain or bubbler to provide drinking water to patrons
						Drip Line	Fixed perforated pipe for drip irrigation
						Fountain Decorative	A decorative fountain
						Filling Station	Card-accessed water delivery point for commercial access
						Filter	In line filter to prevent irrigation line blockages
						Goose Neck	Downward pointing outlet on a vertical riser
						Hot Water System	Hot Water System. Normally attached to a structure. Simple riser or short length of small bore pipe providing a point of discharge
						Nipple Other	Some other irrigation fitting - do not use for pipe fittings, valves pumps etc as these exist in
						Other	other feature classes
						Pop Up Sprinkler	Pop-up type sprinkler head
						Shower	Open air public shower point, such as may be found at beachside parks
						Spray Nozzle	Fixed Irrigation sprayer, sprinkler, bubbler or drip nozzle
						Tan	Water delivery tap. Not a stopcock or control valve
				BelowGround	Is the fitting below ground	тар	boolean
					Does the fitting employ waste minimisation technology (other		boolean
					than auto shut-off)		Doucan
				AutoShutOff	Does the fitting employ auto shut-off technology		boolean
				Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float Direction
				WaterQuality	The quality/source of the water being supplied through the	Drinking Water	Drinking-quality (potable) water for normal mains supply by the municipal water service
					service fitting.		provider
						Recycled Aplus	Class A+ tertiary treated with reverse osmosis recycled water for supply via dual reticulation
							for permitted interior and exterior uses
						Recycled A	Class A tertiary treated recycled water for supply via dual reticulation for permitted exterior uses
						Treated Effluent	Treated Effluent to class B through class D for irrigation only
						Rain Water	Rain Water collected directly into the system for irrigation
						Raw Water	Untreated water from a watercourse or pond used to feed a water treatment plant or irrigation system
						Ground Water	Untreated water from bores used to feed a water treatment plant or irrigation system
						Process Water	Non-potable process water of some description
						Other	Pipe conveying some other kind of water (not recycled class B and below which is considered as treated sewage effluent)
						Unknown	Type of water carried by this pipe is unknown at time of submission
				Geometry	Point geometry representing the feature in coordinate space.		geometry point singlepoint
StorageTanks	Represents the feature class of water storage points	StorageTank	Represents a domestic storage tank feature. Includes roofwater	Material	The material that the storage tank is made from.	Plastic	Plastic
	- ·		storage not fed from mains service.		-	Steel	Steel
			Not to be used for bulk storage features that are part of the			Concrete	Concrete
			mains distribution network.			Other	Tank made from another material not in the schema
						Unknown	Tank material is unknown
				Source	The source of water in the tank.	Rain Water	Roof water catchment
						Ground Water	Ground water extracted from a bore
						Ponded Water	Ponded water pumped from a surface water catchment
						Mains Service	Drawn from a mains water supply service
					The Manufacturer of the unit		String 64
					The standard code, model number or part number for the unit		String 64 Float Positive NonZero
					The effective volume in cubic metres. Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float Direction
					Rotation angle (cartesian - anti-clockwise U degrees = East) Point geometry representing the feature in coordinate space.		geometry point singlepoint
				Geometry	r omit geometry representing the reature in coordinate space.		geometry_point_angicpoint

ASSET GROUP Sewerage DESCRIPTION Data structure constraining information for Sewerage features.

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	L DESCRIPTION
MaintenanceHoles	Element representing the feature class of Sewerage Maintenance Holes (formerly	MaintenanceHole	Element representing a sewerage Maintenance Hole (formerly Manhole).	Use	Use or purpose of this MaintenanceHole in the network	Overflow	Maintenance Hole with an overflow to the environment, receiving waters or an emergency storage
	Manholes)					Blank End	Maintenance hole with no incoming connection
						Pump Station	Pit housing a sewer pump station
						Valve Pit Grit Collector MH	Access Pit for a Sewer Valve Grit Collector Maintenance Hole
						Outlet	Outlet
						Rising Main Discharge MH	A sewer MH that is the recieiving MH for a rising main discharge
						Vacuum Sewerage Pump Station	A pit housing a Vacuum Sewerage Pump Station
						Vacuum Sewerage MH	A Maintenance Hole on a vacuum system with incoming house connections or gravity
						Vacuum Lift	sewers that may also containing a vacuum valve A chamber on a vacuum system containing a lift or vacuum valve but no incoming
						Storage Tank	laterals An off-stream sewage storage tank for emergency or other use
						Maintenance Hole	A standard Sewerage Maintenance Hole also known as a Manhole
						Maintenance Shaft	A proprietary Maintenance Hole usually prefabricated and of smaller diameter than a standard MH
						Temporary Works	standard win A shaft used during construction that is left in place but does not form part of the final infrastruture
						TEP	Terminal Entry Point type shaft
						Unknown Other	Chamber of unknown use at time of data submission Type of maintenance structure other than those used as standard in the Schema
				ChamberSize	Data structure describing the chamber configuration and	Rectangular.Length mm	Data container for rectangular dimensions. Length in millimetres.
					dimensions.	Rectangular.Width_mm	Data container for rectangular dimensions. Width in millimetres.
						Circular.Diameter mm Custom.Area_sqm	Data container for circular dimensions. Diameter in millimetres. Custom Shaped chamber. Such a feature should be associated with a plan or
						Custom.Area_sqm	document describing its layout and dimensions. Area in square metres.
				SurfaceLevel_m	The height of the top surface of the lid, hatch, rim or roof. Surface level in metres against the vertical datum for this project.		float
				InvertLevel_m	The height of the top surface of interior floor/bottom. Invert level in metres against the vertical datum for this project.		float
				FloorConstruction	Method of chamber floor construction.	Prefabricated Insitu	Prefabricated Built or poured in-situ
				FloorMaterial	Material type for chamber construction	Concrete	Concrete
						FRP GRP	Fibre Reinforced Concrete Glass Reinforced Plastic
						PE	Polyethylene
						PP	Polypropylene
						PVC M 1	Poly Vinyl Chloride A new material not yet in the Schema as agreed with the receiving entity
						M_2	A new material not yet in the Schema as agreed with the receiving entity
						Unknown Other	Material is unknown at time of data submission Another material not included in the Schema
				WallConstruction	Method of chamber wall construction.	Prefabricated Prefabricated	Prefabricated
				WallMaterial	Material type for chamber wall construction	Insitu Concrete	Built or poured in-situ Concrete
				vvalliviaterial	Material type for Chamber wall construction	FRP	Fibre Reinforced Concrete
						GRP	Glass Reinforced Plastic
						PE PP	Polyethylene Polypropylene
						PVC	Poly Vinyl Chloride
						M_1	A new material not yet in the Schema as agreed with the receiving entity
						M_2 Unknown	A new material not yet in the Schema as agreed with the receiving entity Material is unknown at time of data submission
						Other	Another material not included in the Schema
				RoofMaterial	Material type for chamber roof construction	PVC PE	Poly Vinyl Chloride Polyethylene
						PP	Polypropylene
						Concrete	Concrete
						FRP MS	Fibre Reinforced Concrete Mild Steel
						SS	Stainless Steel
						Aluminium Cast Iron	Aluminium Cast Iron
						Grid Mesh - GRP	Grid Mesh - GRP
						Grid Mesh - Aluminium	Grid Mesh - Aluminium
						No Roof Grid Mesh - SS	No Roof Grid Mesh - Stainless Steel
						M 1	A new material not yet in the Schema as agreed with the receiving entity
						M_2	A new material not yet in the Schema as agreed with the receiving entity
						Unknown Other	Material is unknown at time of data submission Another material not included in the Schema
				Lining	Material type of chamber lining	PVC	Poly Vinyl Chloride
						Epoxy Polyurea	Epoxy Polyurea
						PE PE	Polyethylene Polyethylene
				•	_	-	- · ·

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	- DESCRIPTION
						M 1 M_2 Unknown Unlined	A new lining material not yet in the Schema as agreed with the receiving entity A new lining material not yet in the Schema as agreed with the receiving entity Material is unknown at time of data submission An alternative to entering a null value where there is no lining
						Other	Another lining material not included in the Schema
				LidMaterial	Chamber lid configuration and material	Cast Iron	Cast Iron
						Aluminium	Default Value Aluminium
						CI Concrete Infill	Cast Iron with Concrete Infill
						Composite	Composite
						Concrete DI	Concrete Ductile Iron
						PVC	Poly Vinyl Chloride
						PE PP	Polyethylene Polypropylene
						MS	Mild Steel
						SS	Stainless Steel
						No Lid M_1	This structure has no lid (possibly because it has no roof) A new lid material not yet in the Schema as agreed with the receiving entity
						M 2	A new lid material not yet in the Schema as agreed with the receiving entity
						Unknown Other	Lid Material is unknown at time of data submission Another lid material not included in the Schema
				DropType	Chamber drop types	Straight Through MH	Straight through MH with one entry, one exit, no change of direction, no backdrop but
						Observation	may have change of grade Straight through MH with one entry, one exit, no backdrops, a change of direction and
						Change In Direction Through MH	may also have change of grade
	 					External Drop	MH with one or more external backdrop vertical entries
						Alternative External Drop	Alternative drop type with complex access arrangement or modified benching as shown on WSAA drawing SEW-206
	 					Internal Drop	MH with one or more internal backdrop vertical entries
	 			CatalanantDC	The identifier of the numericalist that this and a flavor	Oblique 45deg Backdrop	MH with an oblique 45° backdrop entry
				CatchmentPS LineNumber	The identifier of the pumpstation that this node flows to. The identifier of the line that this node connects to		String 32 String 32
				MH Number	The identifier of this manhole or pit.		String 32
				Chainage m TieDistance m	The distance upstream from end of line. The tie distance in metres to a cadastral corner		Float Positive NonZero Float Positive NonZero
				OffsetDistance_m	The offset distance in metres from a cadastral boundary		Float Positive NonZero
				Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float_Direction
				Geometry	The geometry representing this feature in coordinate space.		geometry_point_singlepoint
PipesNonPressure	Element representing the feature class of	PipeNonPressure	Element representing a sewer pipe non-pressurised.	LineNumber	The sewer line identifier		String 32
	Sewerage Pipes Non-Pressure		Includes all gravity reticulation and trunk gravity mains.	Use	The function of this pipe in the network.	Conduit Pipe	Conduit Pipe (enveloper), which does not connect hydraulically with the reticulation system
						Disused	Non-pressure (gravity) pipe that is no longer in use but still present
						Effluent	Pipe conveying treated effluent (usually from a treatment plant) A pipe that directs excessive sewer flows to another system or the external
						Overflow	environemnt
						Reuse	A pipe conveying low-grade (class B and below) treated effluent for reuse. Class A and
						Stub	A+ should use the water feature classes. A short length of pipe for a future connection pipe that is not connected at its upsteam
						Club	end at time of data submission
						Trunk Vent	A larger size sewer as defined by the receiving entity's standard definition A pipe to a vent pipe or deodorising apparatus, which not primarily designed to convey
						Syphon	sewage A gravity sewer that flows uphill over part of its length due to syphonic action
	 					Vacuum	A gravity sewer flowing into a vacuum sewerage system (vacuum system pipes are
	 					Patigulation	part of the pressure pipe schema). A standard reticulation sewer that is not a trunk sewer
	 					Reticulation Unknown	Use unknown at time of submission
	 			Diameter was	Naminal sing dispersion in willier to	Other	A use other than those specified above
	 			Diameter mm Material	Nominal pipe diameter in millimetres. Pipe material	PVC-U	positiveInteger Unplasticised PolyVinylChloride
	 					DI	Ductile Iron
	 					MS RCP	Mild Steel Steel Reinforced Concrete Pipe
	 					FRC	Fibre Reinforced Concrete
	 					PRC GRP	Polyester Resin Concrete jacking pipe e.g. Iplex Polycrete Glass Reinforced Plastic (includes the product known commercially as Hobas)
	 					ABS	Glass Reinforced Plastic (includes the product known commercially as Hobas) Acrylonitrile Butadiene Styrene
						PE-100 SWPP	Medium Density Polyethylene Structural Wall Polypropylene Pipe (includes commercial brands SewerMax and
						HDPE	SewerPro) High Density Polyethylene (includes the product known commercially as Haries Black
							Brute)
	 					VC AC	Vitrified Clay Asbestos Cement (Only used for existing infrastructure not new works)
	 					M_1 M_2	A new material not yet in the Schema used by agreement with the recieiving entity
	 					M_2 Unknown	A new material not yet in the Schema used by agreement with the recieiving entity A pipe material that is unknown at the time of the submission
						Other	A pipe material other than those provided above
			I	Class	The pipe class as specified by the manufacture. Pipe class	4	Class 4

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
					refers to the wall thickness and performance of the material.	6	Class 6
						8 9	Class 8 Class 9
						10	Class 10
						12	Class 12 Class 16
						16 18	Class 18
						20	Class 20
							Class SN4, formerly Sewer Heavy Class SN8, formerly Sewer Extra Heavy
						SN12	Class SN12
							SN5000 SN8000
							SN10000
						PN1	PN1
							PN6 PN6.3
						PN8	PN8
							PN10
							PN12 PN12.5
						PN16	PN16
							PN18 PN20
						PN35	PN35 (Standard for ductile iron)
							Class FLCL (ductile iron flanged class)
							Class X (Reinforced Concrete) Class Y(Reinforced Concrete)
						Z	Class Z(Reinforced Concrete)
							SDR7.4 SDR9
						SDR11	SDR11
							SDR13.5
							SDR17 SDR21
						Unknown	Unknown at time of submission
				Lining	The internal corrosion protection method employed on the pipe		A class other than provided above Cement Lined Normal. Cetrifugally spun cement mortar (default for Ductile Iron and
					material.		Mild Steel)
							Cement Lined - Sulphate Resistant (DI and MS) Cement Lined - Calcium Aluminate (DI and MS)
							Plasticised PVC (includes Humes Plastiline)
							Fusion Bonded Epoxy
							Unlined (Default for plastic pipes) A new protection type not yet included in the Schema as agreed with the receiving
							entity.
							A new protection type not yet included in the Schema as agreed with the receiving entity.
						Rehab_NS	A non-structural rehabilitation liner.
							A structural rehabilitation liner. The protection type is not known at the time of the data submission.
							A protection type not included above.
					The external corrosion protection method employed on the	FBE	Fusion Bonded Epoxy
					pipe material.	FBPE	Fusion Bonded Polyethylene (Includes the product known commercially as Sintakote)
						Plastic Wrapped	Plastic Wrapped
						Tape Wrapped Concrete Encased	Tape Wrapped Concrete Encased
						Sheathed	Sheathed
							Epoxy Paint
							Uncoated Protection Type unknown at time of data submission
						Other	Another type of protection not covered in the schema choices above
							A new protection type not yet included in the Schema as agreed with the receiving entity.
						P_2	A new protection type not yet included in the Schema as agreed with the receiving
				JointType	Pipe to pipe join method.		entity. Rubber Ring
				, , po		RRRJ	Rubber Ring Restrained Joint (Ductile Iron)
						SWJ WJ	Solvent Welded Joint (PVC) Welded Joint (Mild Steel pipe)
						FJ	Flanged Joint
						MCJ	Mechanical Compression Joint (PE pipe and Copper)
						BW EFW	Butt Weld (PE pipe) Electrofusion Weld (PE pipe)
						JT_1	A new joint type not yet included in the Schema used by agreement with the receiving
							entity. Joint type unknown at time of data submission
						Other	A joint type unknown at time of data submission A joint type not already included in the above choices
					Invert level of this pipe end (in metres against the vertical datum).		Float
			· ·		outurny.		, 10dk

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
			<u> </u>	DS_InvertLevel_m	Invert level of this pipe end (in metres against the vertical datum).		Float
				US_SurfaceLevel_m	Surface level (in metres against the vertical datum) vertically		
				DS SurfaceLevel m	above this pipe end. Surface level (in metres against the vertical datum) vertically		Float
					above this pipe end.		Float
				Alignment_m	Average offset distance in metres from casdastral boundary to the main.		Float_Positive_NonZero
				Depth m Embedment	Nominal depth in metres to the top of the pipe. Embedment type.		Float Pipe laid directly on natural in-situ material
				Embedment	Embedment type.	GBH	Granular bed and haunch
							Granular bed and surround Granular bed and surround on concrete support
						GBSonGTP	Granular bed and surround on geo-textile pillow
							Granular bed and surround on cement stabilised support Granular bed and surround on piles
						CemStabBS	Cement stabilised bed and surround Concrete bed and surround
						ConcBSonPiles	Concrete bed and surround on piles
							Within an enveloper pipe Pipe is above ground on piers or a bridge deck
						None	Thrust bored or Trenchless method
						Unknown Other	Embedment Type unknown at time of data submission
						EB_1	Another type of embedment type that is not already includesd in the standard types
						_	A non-standard or new type of embedment as agreed with the data receiving entity
							A non-standard or new type of embedment as agreed with the data receiving entity
				RockExcavated	Value indicating whether rock was excavated from the pipe channel.		boolean
				PipeGrade	Pipe grade as a percentage. Derivable as the difference in invert levels divided by the horizontal length (not the length of		Float_Positive_Zero
				Leadh	pipe) multiplied by 100.		Flort Designer Manager
				Length_m	Actual material length of the pipe. Not the horizontal length of the geometry.		Float_Positive_NonZero
				Geometry	The linear geometry of the pipe feature in coordinate space. At version 4.1.0 these features may include cruves due to modern flexible materials.		geometry_linear_singlepath_complex
PipesPressure	Element representing the feature class of Sewerage Pipes Pressure	PipePressure	Element representing a sewer pipe pressurised (rising main).	Use	The function of this pipe in the network.		Disused Pressure Pipe that remains in place Pressure pipe conveying treated effluent (usually from a treatment plant)
	constage ripser recent					Reuse	Treated Wastewater Reuse Pipe for class B and below. Class A and A+ should use
							the water supply feature classes A standard rising main or pressure sewer
							A pipe maintained under pressure to scour a pressure main to a discharge point. Gravity scours should use the non-pressure pipe feature class
						Vacuum	A pressure pipe in a vacuum system that is subject to negative pressure
							The connection pipe from a household proprietary pressure sewer pump unit to the external pressure main
						Unknown	Use unknown at time of data submission
				Diameter mm	Nominal pipe diameter in millimetres.		A use other than those provided above in the schema positiveInteger
				Material	Pipe material	ABS	Acrylonitrile Butadiene Styrene
						DI	Glass Reinforced Plastic (includes the product known commercially as Hobas) Ductile Iron
							Mild Steel Polyethylene (100)
						PE-80B	Polyethylene (80B)
							Polyvinyl Chloride (Modified) Polyvinyl Chloride (Oriented)
						PVC-U	Polyvinyl Chloride (Unplasticised) Asbestos Cement (not for new works - legacy pipes only)
						FRC	Fibre reinforced concrete
							New material not included in schema as agreed with data recieiving entity New material not included in schema as agreed with data recieiving entity
						Unknown	Material type unknown at time of data submission
				Class	The pipe class as specified by the manufacture. Pipe class	SN5000	A material not included in schema types provided above Class SN5000
					refers to the wall thickness and performance of the material.	SN8000 SN10000	Class SN8000 Class SN10000
						PN1	Class PN1
							Class PN6 Class PN6.3
						PN8	Class PN8
							Class PN9 Class PN10
							Class PN12 Class PN12.5
							Class PN16 - default for PE_100, PVC_O and PVC_M
							Class PN18 Class PN20

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
						FLCL	Class FLCL (ductile iron flanged class)
						X	Class X (Reinforced Concrete) Class Y(Reinforced Concrete)
						7	Class Z(Reinforced Concrete)
						4.8mm	4.8mm wall thickness Class (Mild Steel)
						5mm	5mm wall thickness Class (Mild Steel)
						6mm	6mm wall thickness Class (Mild Steel)
						7mm	7mm wall thickness Class (Mild Steel)
						8mm 9mm	8mm wall thickness Class (Mild Steel) 9mm wall thickness Class (Mild Steel)
						10mm	10mm wall thickness Class (Mild Steel)
						11mm	11mm wall thickness Class (Mild Steel)
						12mm	12mm wall thickness Class (Mild Steel)
						16mm	16mm wall thickness Class (Mild Steel) Class unknown at time of data submission
						Unknown Other	A Class uther than those currently provided for in the Schema
				Lining	The internal corrosion protection method employed on the pipe		Cement Lined Normal. Cetrifugally spun cement mortar (default for Ductile Iron and
				3	material.		Mild Steel)
						CL_SR	Cement Lined - Sulphate Resistant (DI and MS)
						CL AC	Cement Lined - Calcium Aluminate (DI and MS)
						PVC FBE	Plasticised PVC (includes Humes Plastiline) Fusion Bonded Epoxy
						Unlined	Unlined Epoxy
						Unknown	Lining type unknown at time of data submission
						Other	Another type of liner that is not currently in the Schema
				Protection	The external protection for the pipe.	FBE	Fusion Bonded Epoxy
						FBPE	Fusion Bonded Polyethylene (Includes the product known commercially as Sintakote)
						Plastic Wrapped	Plastic Wrapped
						Tape Wrapped	Tape Wrapped
						Concrete Encased	Concrete Encased
						Sheathed	Sheathed
						Epoxy Paint Uncoated	Epoxy Paint Uncoated
						P_1	Uncoaled
						' - '	A new protection type not yet in the schema as agreed with the data receiving entity
						P_2	
							A new protection type not yet in the schema as agreed with the data receiving entity
						Zinc Zinc-Aluminium Alloy	Galvanized or zinc painted
						Unknown	Zinc Aluminium alloy coating (Petair Saint-Gobain) Protection type unknown at time of data submission
						Other	Another type of protection not covered by the schema
				JointType	Pipe to pipe join method.	RRJ	Rubber Ring
						RRRJ	Rubber Ring Restrained Joint (Ductile Iron)
						SWJ	Solvent Welded Joint (PVC)
						WJ FJ	Welded Joint (Mild Steel pipe) Flanged Joint
						MCJ	Mechanical Compression Joint (PE pipe and Copper)
						BW	Butt Weld (PE pipe)
						EFW	Electrofusion Weld (PE pipe)
						JT_1	A new joint type not yet included in the Schema used by agreement with the receiving
						Unknown	entity. Joint type unknown at time of data submission
						Other	A joint type anknown at time of data submission A joint type not already included in the above choices
				Alignment_m	Average offset distance from casdastre boundary to the main.		Float_Positive_NonZero
							Thur.
				Depth_m Embedment	Nominal depth in metres to the top of the pipe. Embedment type.	Natural	Float Pipe laid directly on natural in-situ material
				Linbedilletit		Naturai GBH	Granular bed and haunch
						GBS	Granular bed and surround
						GBSonConc	Granular bed and surround on concrete support
						GBSonGTP	Granular bed and surround on geo-textile pillow
						GBSonCSS	Granular bed and surround on cement stabilised support Granular bed and surround on piles
						GBSonPiles CemStabBS	Granular bed and surround on piles Cement stabilised bed and surround
						ConcBS	Concrete bed and surround
						ConcBSonPiles	Concrete bed and surround on piles
						Enveloped	Within an enveloper pipe
						Above Ground	Pipe is above ground on piers or a bridge deck
						None Unknown	Thrust bored or Trenchless method Embedment Type unknown at time of data submission
						Other	
							Another type of embedment type that is not already includesd in the standard types
						EB_1	
						ED 2	A non-standard or new type of embedment as agreed with the data receiving entity
						EB_2	A non-standard or new type of embedment as agreed with the data receiving entity
				RockExcavated	Value indicating whether rock was excavated from the pipe		boolean
					channel.		
				Length_m	Actual material length of the pipe. Not the horizontal length of the geometry.		Float_Positive_NonZero
					and granders.		

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
				Geometry	The linear geometry of the pipe feature in coordinate space. At version 4.1.0 these features may include cruves due to modern flexible materials.		geometry_linear_singlepath_complex
Valves	Element representing the feature class of Sewerage Valves	Valve	Element representing a sewer valve fitting	Use	The function of this valve in the network.	Service	Used to prevent backlow can be of type Generic, Rubber Gate or Swing Check Used to isolate a service on a pressure sewer or vacuum sewerage system
							Used to stop flow in a pipeline Used to open and close access to a scour pipe
						Diversion	Used to divert flow along another route
						Zone Boundary Flow Control	Used to isolate sewer catchments or service zones Used to control the rate of flow in a pipe
						Pressure Control	Used to control or maintain the pressure in a pipeline; can be of the type Overflow,
							Pressure Relief or Vacuum Release.
						Other	Used to release gas or air from a pipeline and should be of type Air Valve Used to for some other purpose not provided for in the Schema and can bee of Type Special
							Use is unknown at time of data submission
				Туре	The physical configuration of the valve	Generic	Non-return valve of an unknown or generic type. Also control or stop valve of a generic type
							Non-return valve of a the rubber gate type
							Non-return valve of the swing check type
							Gate Valve Butterfly Valve
							Knife Gate Valve
						Eccentric Plug	Eccentric Plug valve
							Globe Valve Ball Valve
							A Penstock formally known as Penstock Gate
						Overflow	An overflow valve
							A pressure release valve
							A vacuum release valve A proprietary valve for releasing gas or air
							A Specialist type of valve not covered in the Schema
				Diameter mm	The nominal bore diameter of the valve		positiveInteger
				Lining	The internal corrosion protection method employed on the pipe material.		Cement Lined Normal. Centrifugally spun cement mortar (default for Ductile Iron and Mild Steel)
					material.	CL SR	Cement Lined - Sulphate Resistant (DI and MS)
							Cement Lined - Calcium Aluminate (DI and MS)
							Plasticised PVC (includes Humes Plastiline) Fusion Bonded Epoxy
							Unlined (Default for plastic pipes)
							Lining type unknown at time of data submission
				Protection	The external protection for the pipe.		Another type of liner that is not currently in the Schema Fusion Bonded Epoxy
						FBPE	Fusion Bonded Polyethylene (Includes the product known commercially as Sintakote)
							Plastic Wrapped
						Tape Wrapped	Tape Wrapped
						Concrete Encased Sheathed	Concrete Encased Sheathed
						Epoxy Paint	Epoxy Paint
						Uncoated	Uncoated
						P_2	A new protection type not yet in the schema as agreed with the data receiving entity
							A new protection type not yet in the schema as agreed with the data receiving entity
							Galvanized or zinc painted Zinc Aluminium alloy coating (Petair Saint-Gobain)
							Protection type unknown at time of data submission
						Other	Another type of protection not covered by the schema
				Manufacturer ModelNumber	The Manufacturer of the unit The standard code, model number or part number for the unit		String 64 String 64
				Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float_Direction
				Geometry	The geometry representing this feature in coordinate space.		geometry_point_singlepoint
Fittings	Element representing the feature class of	Fitting	Element representing a sewer fitting other than a valve	Туре	The physical configuration of the fitting		Bend fitting usually with change of direction of more than 11 degrees but may be less
	Sewerage Fittings						in plastic pipes Straight connector with no direction change
						Connector Thrust	Straight connector capable of transmitting axial thrust
						Dismantling Joint	Straight connector specifically included to facilitate future dismantling of pumps or
							complex pipe layouts. Duck Bill fitting typically located at the end of a pipe feature.
						Frog Flap	Frog Flap fitting typically located at the end of a pipe feature.
						Gibault	Standard gibault connection
							Fitting with differing inlet and outlet diameters Tee-fitting with 3 arms or branches where one arm is at 90 degrees to the other 2.
						Tee Wye	Y-fitting with three arms where the arms is are not all separated by integer multiples of
						Cathadia Dari etter Dei i	90 degrees
						Cathodic Protection Point Dead Plate	An electrical connection point for cathodic protection A Dead Plate or blank flange secured to one arm of another fitting
							An external fitting incorporating a dead end such as a dead end cap.
				0	ADAC Asset Data Standard		Page 31 of 3

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
						Tee Branch Dead End Tee Branch Ext Dead End	A dead end plate pre-fitted to one branch of a Tee for access or future connection
						Puddle Flange	An end cap pre fitted externally to to a Tee Branch for access or future connection A Puddle Flange fitted externally to a pipe to transmit axial thrust into a structure or to
						Sampling Point	provide sealing with a structure A point designed for taking sewage or effluent samples
						Booster Pump	A pump providing the motive force to move sewage through a pressure main against the force of gravity
						Inspection Opening	An Inspection Opening on a pressure pipe
				Material	Fitting material	ABS Aluminium	Acrylonitrile Butadiene Styrene Aluminium
						GRP	Glass Reinforced Plastic (includes the product known commercially as Hobas)
						DI MS	Ductile Iron Mild Steel
						PE-100 PE-80B	Polyethylene (100) Polyethylene (80B)
						PVC-M	Polyvinyl Chloride (Modified)
						PVC-O PVC-U	Polyvinyl Chloride (Oriented) Polyvinyl Chloride (Unplasticised)
						Rubber	Rubber
						SS VC	Stainless Steel Vitreous Clay
						Concrete AC	Concrete Asbestos Cement (Existing infrastructure only)
						FRC	Fibre reinforced concrete
						M_1 M 2	New material not included in schema as agreed with data recieiving entity New material not included in schema as agreed with data recieiving entity
						Unknown	Material type unknown at time of data submission
				Lining	The internal corrosion protection material or method for the	Other	A material not included in schema types provided above Cement Lined Normal. Centrifugally spun cement mortar (default for Ductile Iron and
					fitting.	CL CL_SR	Mild Steel) Cement Lined - Sulphate Resistant (DI and MS)
						CL_AC	Cement Lined - Calcium Aluminate (DI and MS)
						PVC FBE	Plasticised PVC (includes Humes Plastiline) Fusion Bonded Epoxy
						Unlined Unknown	Unlined (Default for plastic pipes) Lining type unknown at time of data submission
						Other	Another type of liner that is not currently in the Schema
				Protection	The external protection for the fitting.	FBE FBPE	Fusion Bonded Epoxy
						Plastic Wrapped	Fusion Bonded Polyethylene (Includes the product known commercially as Sintakote) Plastic Wrapped
						Tape Wrapped	Tape Wrapped
						Concrete Encased Sheathed	Concrete Encased Sheathed
						Epoxy Paint Uncoated	Epoxy Paint Uncoated
						P_1	A new protection type not yet in the schema as agreed with the data receiving entity
						P_2	
						Zinc	A new protection type not yet in the schema as agreed with the data receiving entity Galvanized or zinc painted
						Zinc-Aluminium Alloy Unknown	Zinc Aluminium alloy coating (Petair Saint-Gobain) Protection type unknown at time of data submission
						Other	Another type of protection not covered by the schema
				BranchSize mm	The nominal diameter of the major connecting pipe. The nominal diameter of the minor connecting pipe.		positiveInteger positiveInteger
				Rotation	Rotation angle (cartesian - anti-clockwise 0 degrees = East)		Float_Direction
				Geometry	The geometry representing this feature in coordinate space.		geometry_point_singlepoint
Connections	Element representing the feature class of sewer property connections	Connection	Element representing a sewer property connection	SurfaceLevel_m	Surface level of this feature (in metres against the vertical datum).		Float
				InvertLevel_m	Invert level of this feature (in metres against the vertical datum).		Float
				Use	The function of the house connection in the network.	House Combined	House Drain - standard sanitary drain conveying sewage only Combined House Drain - a sanitary drain conveying both sewage and storm water in a
					The nominal diameter of the connection conduit.		positiveInteger
				Material	The material of the connection conduit.	PVC-U PVC-M	PolyVinylChloride Orientated PolyVinylChloride Modified
						PVC-O	PolyVinylChloride Orientated
						Cast Iron RCP	Cast Iron Steel Reinforced Concrete Pipe
						DI FRC	Ductile Iron Fibre Reinforced Concrete
						FRP	Fibre Reinforced Plastic
						PE VC	Polyethylene Vitrified Clay
			l		l	M_1	A new material not yet in the Schema as agreed with the receiving entity
				0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ADAC Asset Data Standard		Page 32 of

ADAC Sewerage

ASSET TYPE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
						M 2 Unknown	A new material not yet in the Schema as agreed with the receiving entity Lid Material is unknown at time of data submission
						Other	Another material not included in the Schema
				Class	The pipe class as specified by the manufacture. Pipe class	SH	Sewer Heavy
					refers to the wall thickness and performance of the material.	SEH	Sewer Extra Heavy
						SN4	SN4
						SN6	SN6
						SN8	SN8
						SN10	SN10
						SN12 SDR21	SN12 SDR21
						Unknown	Material class unknown at time of data submission
						Other	Some other class not included in the standard Schema
				Longth m	The material length in metres of the house connection branch	Other	Float Positive NonZero
				Length_m	conduit.		Float_Positive_NonZero
				Туре	Physical configuration of connection.	Sloped Branch	Sloped Branch connection
						Ramp Riser	Ramp Riser connection
						Jump Up	Jump Up connection
						Stub	Connection straight into Maintenance Hole
						Twin Jump Up	Twin Jump Up connection
				Ob alternative	The distance is made a form the control of the demonstration	Twin Ramp Riser	Twin Ramp Riser connection
				Chainage_m	The distance in metres from the centre of the downstream manhole to the point of connection of the offshoot branch.		Float_Positive_Zero
				Offset_m	The distance measured square from the centre of the sewer main to the point of connection.		Float_Positive_NonZero
				LineNumber	The line identifier of the sewer main.		String 32
				DSMHID	Downstream manhole identifier.		String 32
				IO_Distance_m	Distance from a point perpendicular to the inspection opening to the centre of the downstream manhole along the axis of the sewer main.		Float_Positive_NonZero
				SO_Nearest_m	Perpendicular distance from the inspection opening to the nearest cadastral boundary.		Float_Positive_NonZero
				SO_Other_m	Perpendicular distance from the inspection opening to the next nearest cadastral boundary.		Float_Positive_NonZero
				Sediment_Trap	True indicates that the connection includes an inline sediment trap.		boolean
				Geometry	The linear geometry of the house connection feature in coordinate space. Digitise this line downstream from the inspection opening to the pipe or pit If a point is desired, the inspection opening position may be taken as the start of the line At version 4.10 these features may include curves due to modern flexible materials.		geometry_linear_singlepath_complex

ADAC Cadastre

ASSET GROUP Cadastre	DESCRIPTION	Data structure constraining information for Cadastre features.
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ASSET ELEMENT	DESCRIPTION	FEATURE	DESCRIPTION	DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION	ENUMERATION \ DETAIL	DESCRIPTION
Cadastre	Data structure constraining information	LandParcels	Represents the feature class of cadastral parcels	Lot	Represents a cadastral lot feature.	LotNo	The lot number as described on the originating survey plan		String 32
						PlanNo	The plan number of the originating survey plan.		String 32
					Represents the boundary of a titled, or proposed lot	CancelledLotPlan	The lot on plan cancelled by this boundary if applicable.		String 32
						TitledArea_sqm	The area in square metres enclosed by the boundary, as described by the survey plan.		Float_Positive_NonZero
						Geometry	The geometry of this feature in coordinate space. May contain holes and islands. Boundaries must consist of straight lines.		geometry_area_multipatch_simple
				WaterCourseReserve	Represents the boundary of a Water Course Reserve.	Name	The name of the watercourse reserve represented by this boundary		String_128
						Geometry	The geometry of this feature in coordinate space. May contain holes and islands. Boundaries must consist of straight lines.		geometry_area_multipatch_simple
				RoadReserve	Represents the boundary of a Road Reserve.	Name	The name of the road reserve represented by this boundary		String 128
						Geometry	The geometry of this feature in coordinate space. May contain holes and islands. Boundaries must consist of straight lines.		geometry_area_multipatch_simple
		Fasements	Represents the feature class of cadastral easements	Fasement	Represents a cadastral easement feature.	LotNo	The lot number as described on the originating survey plan		String 32
			,			PlanNo	The plan number of the originating survey plan.		String 32
					Represents the boundary of a existing or new easement	Geometry	The geometry of this feature in coordinate space. May contain holes and islands. Boundaries must consist of straight lines.		geometry_area_multipatch_simple
		SurveyMarks	Represents the feature class of Survey Marks	SurveyMark	Represents a cadastral SurveyMark feature.	MarkName	The name by which the survey mark may be uniquely identified from control records.		String_64
						Geometry	The geometry of this feature in coordinate space.		geometry point singlepoint
		Connections	Represents the feature class of cadastral Connections	Connection	Represents an observed and reduced cadastral connection feature.	Bearing	The bearing in decimal degrees clockwise from North in the coordinate system of this project.		Float_Positive_Zero
					A connection must run from the survey mark to the	Distance_m	The distance in metres on the coordinate system of this project.		Float_Positive_NonZero
					connected feature. If this feature is used, the bearing and	Geometry	The geometry of this feature in coordinate space.		geometry linear segment simple
		ChainageLines	Represents the feature class of cadastral Connections	ChainageLine	A line of measured chainage with a defined start and end	ChainageID	Unique ID of this chainage line.		String 64
		J	,		value. Polyline shape is only an approximation of true	StartChainage m	Start Chainage in metres of this section.		Float Positive Zero
					curve geometry, but the start and end points should	EndChainage m	End Chainage in metres of this section.		Float Positive Zero
					coincide exactly with the actual start and end of chainage.	Geometry	The geometry of this feature in coordinate space.		geometry linear singlepath complex