ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L21913 – DRAINAGE TANK (SEPARATOR/ATTENUATION)

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50542**

Document Revision: **8.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
1.0	17-Oct-2014	[redacted]	[redacted]	[redacted]	First Issue
2.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated
3.0	10-May-2016	[redacted]	[redacted]	[redacted]	Attribute added
4.0	25-Aug-2016	[redacted]	[redacted]	[redacted]	Attributes added
5.0	30-Aug-2016	[redacted]	[redacted]	[redacted]	Attribute added
6.0	16-Jan-2017	[redacted]	[redacted]	[redacted]	Attributes added
7.0	20-Apr-2017	[redacted]	[redacted]	[redacted]	Attribute Replaced
8.0	25-Apr-2017	[redacted]	[redacted]	[redacted]	LRS Codes Updated

This document contains proprietary information. No part of this document may be reproduced without prior written consent from the chief executive of Crossrail Ltd.

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited **RESTRICTED**

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 4
2.1 Example Images 5
3 Attributes 6
3.1 Generic Attributes 6
3.2 Class Specific Attributes 6
4 Performance Data 9
5 Labelling 9
6 Other Information 9
7 Reference Material 9
8 Crossrail Technical Approvals 10

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

1 Introduction

Not Applicable

1.1 Asset Details

Class Code:	L21913
Class Name:	Drainage Tank (Separator/Attenuation)
Class Lineage:	Construction Products>Complete Construction Entities and Components>Civil Engineering Works Products> Climate Control Plant and Equipment (HVAC)>Complete Climate Control Systems>Complete Air Conditioning Systems>Drainage Tank (Separator/Attenuation)

1.2 Description

A Drainage Tank (separator/) is a device that holds captured liquids and allows for the separation of different fluids from one another e.g. oil from water. The separated liquids are then removed and treated/disposed of in accordance with requirements. The non-harmful liquid may be allowed to drain away into the surrounding ground e.g. rain water back into the sub soil.

An attenuation tank is one which holds surplus surface water after a storm condition allowing the contents to be slowly released to the sewers to prevent overloading the system

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031), in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. C125-TSP-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

2.1 Example Images

Learning Legacy Docu

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Capacity (Cubic Metres)	Cubic Metres	NU	2		Liquid holding capacity
Depth (Metres)	Metres	NU	2		Depth of Tank below the surface
Number of Inlets (#)	#	NU	0		Number of liquid inlets to tank
Number of Outlets (#)	#	NU	0		Number of outlets to tank
Height (Metres)	Metres	NU	2		Total Height of Tank
Width (Metres)	Metres	NU	2		Total Width of Tank
Length (Metres)	Metres	NU	2		Total Length of Tank
Meterage (Metres)	Metres	NU	0		Meterage (Chainage) location of asset. To be populated only when the asset is located on track.
Drainage Tank Type		PD		Attenuation Solids Separation Oil/Fat Separation	The type of drainage tank

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Drainage Tank Principle Material		PD		Polyethylene Concrete Steel Fibreglass	The principle material the tank is constructed from.
Vented		PD		Yes No	Is the tank vented?
Diameter (Metres)	Metres	NU	2		The diameter of the tank (for cylindrical tanks only)
LRS Code		PD		C.EB C.EB.CRW5 C.EB.CR1 C.EB.CR7 C.EB.TBC C.WB C.WB.CRW9 C.WB.CRW6 C.WB.CR2 C.WB.CR5 C.WB.TBA C.WB.TBB CNE.EB CNE.WB CSE.EB CSE.EB.CR11 CSE.WB CSE.EB.CR13 CSE.WB.CR15 Non Track	The Crossrail Linear Referencing Standard code (CRL1-XRL-O6-STD-CR001-00026) where the asset is located. When the asset is not located on track then non track should be selected. The LRS codes are as follows: C.EB - Central Section Eastbound C.EB.CRW5 - Crossover between W5 and W4 Points C.EB.CR1 - Crossover between C1 and C4 Points C.EB.CR7 - Crossover between C7 and C8 Points C.EB.TBC - Turnback C C.WB - Central Section Westbound C.WB.CRW9 - Crossover between W9 and W8 Points C.WB.CRW6 - Crossover between W6 and W3 Points C.WB.CR2 - Crossover between C2 and C3 Points C.WB.CR5 - Crossover between C5 and C6 Points C.WB.TBA - Turnback A C.WB.TBB - Turnback B CNE.EB - Central Section North East Spur Eastbound CNE.WB - Central Section North East Spur Westbound CSE.EB - Central Section South East Spur Eastbound CSE.EB.CR11 - Crossover between C11 and C12 Points CSE.WB - Central Section South East Spur Westbound CSE.EB.CR13 - Crossover between C13 and C14 Points CSE.WB.CR15 - Crossover between C15 and C16 Points Non Track - Non Track Assets
Invert Level (Metres)	Metres	NU	2		The pipe invert level is the level of the INSIDE bottom of the pipe. This level allows of the slope of the pipe to be set at various points so that the fluid will flow by gravity.

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Effluent Type		PD		Foul/sewage Non-Foul	Foul/sewage – Includes water from toilets, sinks and baths but does not include surface water unless it has been in contact with foul water Non-Foul – Surface water and other drainage not contaminated by sewage or chemically contaminated water

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration document - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- <ADD OTHER REFERENCE DOCUMENTS HERE>

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	17-Oct-2014

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED