DYSE
STRUCTURAL ENGINEERS

Cringle Road
SuDS Verification Report

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Client: Towerhouse Systems LTD

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Date: 21/04/2026

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Rev	Description	Date	Originator	Checker	Approver
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1 Overview

1.1 Introduction

A planning application was submitted to Manchester City Council for the construction of a housing development. The development comprises of the construction of 57 No. residential properties off Cringle Road, Levenshulme which comprises a mixture of modern 3 and 4 bedroom, two storey, semi-detached and detached housing units.

Planning approval, reference 122042/OO/2018 was granted in October 2021 which included a planning condition in relation to SuDS verification.

The purpose of this document is to provide an as-built verification report and record of site visits carried out by DYSE to inspect the SuDS aspects. The report will record that the drainage inspected has been built in accordance with the manufacturer's recommendations, best practice and reasonable skill and care.

1.2 Key SuDS aspects

The key SuDS aspects included within the scheme are:

- Driveway permeable paving, bio-retention and diffusers.
- Driveway orifice flow control chamber.
- Private road permeable paving, bio retention and filter drain.
- S38 tree pits.
- Attenuation; oversized pipework.
- Attenuation; offline below ground tank.
- Flow control chamber.

2 Scope

2.1 Limitations

Our scope is limited to visual inspection of the works to check conformity with the design and best building practice at the time of inspection. We have not undertaken checks of levels or falls.

We have exercised reasonable skill and care in undertaking our duties. However, periodic inspection does not constitute as site supervision. It remains the Contractor's obligation to comply with the works information, and they are solely responsible for defective workmanship. We do not guarantee that our inspection will reveal or prevent all defective work.

3 Supplier and product information

3.1 Specialist supplier information and product data review

The following specialist supplier information has been provided by the contractor and is appended to this document:

1. Driveway orifice control chambers
2. Driveway diffusers
3. Hydrobrake flow control device
4. Hydro Biofilter Design Data

3.2 Survey Information

1. Jetflow Inspection Report

3.3 Material and product certificate review

The following material certificates have been provided by the contractor and are appended to this document:

1. Driveway sub-base stone
2. Wavin StormForce Warranty & Release Agreement
3. StormForce Completion Certificate

4 Site inspection record

SuDS aspect	Visit 1 (JB) 08/01/2024			Visit 2 (JB) 15/05/2024			Visit 3 (RL) 09/04/2026		
	Elements inspected	Stage during inspection **Not yet started** **Partially installed** **Fully installed** **Operational**	General compliance with design information, and pertinent observations	Elements inspected	Stage during inspection **Not yet started** **Partially installed** **Fully installed** **Operational**	General compliance with design information, and pertinent observations	Elements inspected	Stage during inspection **Not yet started** **Partially installed** **Fully installed** **Operational**	General compliance with design information, and pertinent observations
Plot 1 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 1 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 1 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 2 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 2 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 2 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 3 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 3 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓

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Plot 3 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 4 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 4 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 4 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 5 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 5 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 5 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 6 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 6 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓

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Plot 6 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 7 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 7 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 7 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 8 Driveway	Yes	P	✓	Yes	O		Yes	O	✓
Plot 8 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 8 Inspection chamber	Yes	F	✓ Silt observed in bottom of inspection chamber	Yes	O		Yes	O	✓
Plot 9 Driveway	Yes	P	✓	Yes	O		Yes	O	✓

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Plot 9 Orifice control chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 9 Inspection chamber	Yes	F	✓	Yes	O		Yes	O	✓
Plot 10 Driveway				Yes	F	✓	Yes	O	✓
Plot 10 Orifice control chamber				Yes	F	✓	Yes	O	✓
Plot 10 Inspection chamber				Yes	F	✓	Yes	O	✓
Plot 11 Driveway				Yes	F	✓	Yes	O	✓
Plot 11 Orifice control chamber				Yes	F	Diverted from DYSE plans to account for directional change	Yes	O	✓
Plot 11 Inspection chamber				Yes	F		Yes	O	✓

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Plot 12 Driveway				Yes	F	✓	Yes	O	✓
Plot 12 Orifice control chamber				Yes	F	✓	Yes	O	✓
Plot 12 Inspection chamber				Yes	F	✓	Yes	O	✓
Plot 13 Driveway				Yes	F	✓	Yes	O	✓
Plot 13 Orifice control chamber				Yes	F	✓	Yes	O	✓
Plot 13 Inspection chamber				Yes	F	✓	Yes	O	✓
Plot 14 Driveway				Yes	F	✓	Yes	O	✓
Plot 14 Orifice control chamber				Yes	F	✓	Yes	O	✓
Plot 14 Inspection chamber				Yes	F	✓	Yes	O	✓

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Plot 46 Driveway	Yes	P	✓	Yes	O	✓	Yes	O	✓
Plot 46 Orifice control chamber	Yes	F	✓	Yes	O	✓	Yes	O	✓
Plot 46 Inspection chamber	Yes	F	✓	Yes	O	✓	Yes	O	✓
Plot 47 Driveway				Yes	O	✓	Yes	O	✓
Plot 47 Orifice control chamber				Yes	O	✓	Yes	O	✓
Plot 47 Inspection chamber				Yes	O	✓	Yes	O	✓
Plot 48 Driveway				Yes	O	✓	Yes	O	✓
Plot 48 Orifice control chamber				Yes	O	✓	Yes	O	✓
Plot 48 Inspection chamber				Yes	O	✓	Yes	O	✓

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Plot 49 Driveway				Yes	O	✓	Yes	O	✓
Plot 49 Orifice control chamber				Yes	O	✓	Yes	O	✓
Plot 49 Inspection chamber				Yes	O	✓	Yes	O	✓
Plot 50 Driveway				Yes	O	✓	Yes	O	✓
Plot 50 Orifice control chamber				Yes	O	✓	Yes	O	✓
Plot 50 Inspection chamber				Yes	O	✓	Yes	O	✓
Plot 51 Driveway				Yes	P	✓	Yes	O	✓
Plot 51 Orifice control chamber				Yes	N		Yes	O	✓
Plot 51 Inspection chamber				Yes	P	✓	Yes	O	✓

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Plot 52 Driveway				Yes	P	✓	Yes	O	✓
Plot 52 Orifice control chamber				Yes	P	✓	Yes	O	✓
Plot 52 Inspection chamber				Yes	P	✓	Yes	O	✓
Plot 53 Driveway				Yes	P	✓	Yes	O	✓
Plot 53 Orifice control chamber				Yes	P	✓	Yes	O	✓
Plot 53 Inspection chamber				Yes	P	✓	Yes	O	✓
Plot 54 Driveway				Yes	P	✓	Yes	O	✓
Plot 54 Orifice control chamber				Yes	N		Yes	O	✓
Plot 54 Inspection chamber				Yes	P	✓	Yes	O	✓

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Private road							Yes	O	✓
Tree pits							Yes	O	✓
Offline attenuation	Yes	P	✓				Yes	O	✓
Online attenuation (oversized pipework)	No	F		Yes (14.06.2023 during team site visit)	F	✓	Yes	O	✓
Flow control chamber	Yes	P	✓				Yes	O	✓

Appendix A - Specialist supplier information and product data review

Appendix B - Surveys

Appendix C - Material and product certificate review

Appendix D - Selected site photos

08/01/2024 Site visit (JB)



Figure 1 Plot 1 Driveway



Figure 2 Plot 1 Orifice control chamber

24/05/2024 Site Visit (JB)



Figure 3 - Driveway Under Construction



Figure 4 - Driveway Under Construction



Figure 5 - Installation of drainage



Figure 6 - Site photo

09/04/2026 Site Visit [RL]



Figure 7 - Plot 2 Driveway



Figure 8 - Plot 13 Driveway



Figure 9 - Tree pit



Figure 10 - Tree Pit