TN02 – Response to WSCC Objection to DC/25/0403

Site:	Stonehouse Farm, Handcross Road, Plummers Plain, West Sussex
Prepared by:	Phil Allen MCIWEM C.WEM
Approved by:	Neil Jaques
Date:	29 May 2025

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1.0 Introduction

1.1 This technical note has been prepared in response to West Sussex County Council's (WSCC's) comments on DC/25/0403 as the Lead Local Flood Authority (LLFA). Following WSCC's review of Motion's Flood Risk Assessment (FRA) and Drainage Strategy, WSCC have provided a holding objection until further information is provided.

1.2 WSCC's objection and request for further information can be seen in full in Appendix A, but the main points raised by WSCC are listed below:

1. *Sufficient groundwater monitoring and infiltration testing results to adequately demonstrate that infiltration will not be possible on site.*
2. *Evidence that methods of source control have been comprehensively explored, for example French drains, rain gardens/bioretention areas or boundary swales for tarmacadam hard standing areas.*
3. *Further information on the existing surface water drainage network which it is proposed various development proposals will connect to. Please provide details of the connection points/manholes, capacity, pipe diameters etc to ensure there is sufficient resilience within the network to cater for the proposed development.*
4. *Plans showing the entire network up to and including any watercourse connections (existing and proposed), with location headwall details.*
5. *In addition to the above, the EA flood risk modelling was recently updated (NaFRA2, March 2025) and the Flood Risk Assessment should be reviewed and updated where applicable. The Drainage Strategy should also be updated where required.*
6. *It would be beneficial to the LLFA if the information within the FRA regarding site specific proposals for the three development areas were split based on each development area, to help with the review and any conditions we recommend.*

1.3 Each of the above comments will be discussed and the additional information will be provided, as required, in Section 2.0, below.

2.0 Discussion

2.1 Each of WSCC's comments are addressed/discussed in the order they are listed above. WSCC's comments are highlighted in orange text, followed by Motion's response.

Sufficient groundwater monitoring and infiltration testing results to adequately demonstrate that infiltration will not be possible on site.

2.2 The above request is noted. Groundwater monitoring would only be required if infiltration was proposed as part of the drainage strategy, with groundwater monitoring determining whether there can be sufficient clearance (one metre) between the base of infiltration structures and the annual average highest groundwater levels. Therefore, before groundwater monitoring can be prescribed as a requirement to demonstrate the viability of the drainage strategy, infiltration testing should be carried out. If the infiltration proves unsuccessful, then groundwater monitoring cannot be not required.

2.3 With that in mind, BRE365 soakage testing was carried out on 14th to 15th May 2025 in three locations on Stonehouse Farm. These locations are shown on the plan in Appendix B and, as can be seen, they are in locations largely representative of where the SuDS features have been proposed, notwithstanding that exact location matches were not possible on all three of the development sites due to the presence of existing reinforced concrete (on Lot 8 and Jacksons Ridge) and the presence of livestock that would not allow trial pits in certain locations to be left open. As such, the nearest and 'best fit' location was chosen in these locations.

2.4 The weather on the days of the soakage testing was hot (24 degrees Celsius) and breezy, and the ground conditions were dry, following a spring with below-average rainfall.

2.5 Three trial pits were dug. One in the location of the SuDS basin serving Stonehouse Business Park, one on Lot 8, and a final trial pit at Jacksons Ridge. Again, the location of these trial pits can be seen in Appendix B.

2.6 The trial pits were dug to approximate dimensions of 2.0m x 0.5m (L x W) and to depths of between 0.75m and 1.00m by machine. The arisings showed clay-dominated soils below a shallow layer of topsoil. The trial pits remained stable during excavation and throughout the period of the testing while saturated, which is evidence of cohesive soils with high fine-grained particle content (silts and clays). This correlates with the geologies described in the Motion Drainage Strategy and BGS 1:50,000 Geoindex mapping (Weald Clay and interbedded mudstones, siltstones and sandstones associated with Upper Tunbridge Wells Sand).

2.7 The empty trial pit in the location of the proposed SuDS basin for Stonehouse Business Park can be seen in Figure 2.1, below.

Figure 2.1 - Stonehouse Business Park Trial Pit (Note Orange Clay Particles)

2.8 Following excavation, water was rapidly introduced from a bowser to fill or near-fill the trial pits. Any fall in water levels were monitored to measure the time taken for the trial pits to clear water between 75% and 25% depth, as per BRE365 protocol.

2.9 The full trial pit on Lot 8 can be seen in Figure 2.2 on the next page.

Figure 2.2 – Full Trial Pit on Lot 8

2.10 The trial pits showed an initial fall in water levels, but as can be seen in Figure 2.2, above, and Figure 2.3, below, this was predominantly due to water being absorbed sideways and upwards by capillary action into the dry topsoils, plus it was expected that evaporation rates would be above-average on due to the hot and breezy conditions.

Figure 2.3 – Upward Capillary Absorption of Water Into Dry Topsoil

2.11 The BRE365 soakage testing results for the three trial pits can be seen in Table 2.1, on the next page.

Table 2.1 – BRE365 Soakage Testing Results

Trial Hole	Test No.	Depth (m)	Start Depth (mBGL)	Finish Depth (mBGL)	Time Taken (mins)	Infiltration rate (m/sec)
Stonehouse Business Park	1	0.75	0.01	0.17	1,277	7.442×10^{-7} *
	2	-	-	-	-	-
	3	-	-	-	-	-
Lot 8	1	0.75	0.00	0.29	1,362	1.465×10^{-6} *
	2	-	-	-	-	-
	3	-	-	-	-	-
Jacksons Ridge	1	1.00	0	0.58	1,385	1.994×10^{-6}
	2	1.00	0	0.08	482	6.718×10^{-7} *
	3	-	-	-	-	-

*Failed Test and extrapolated results, thus not valid

2.12 The full soakage test data for the three trial pits can be seen in Appendix C.

2.13 The data in Table 2.1 and Appendix C shows that it was not possible to achieve successful BRE365 soakage tests in any of the trial pits. Only Jacksons Ridge achieved a single full test, but the subsequent test failed. Extrapolated results, which cannot be used, infer that infiltration rates are typically less than 1×10^{-6}, which is the minimum acceptable rate for infiltration. Noting that these results were achieved in drier than normal conditions, winter infiltration testing would yield even lower infiltration rates.

2.14 Consequently, the drainage strategy's decision to eschew infiltration as a solution for surface water discharge is vindicated, and the LLFA now have sufficient evidence to remove their objection on this matter.

2.15 Additionally, referring back to Paragraph 2.2, because infiltration is not being proposed and is not viable, it is therefore not necessary to provide groundwater monitoring because groundwater will not preclude any part of the drainage strategy.

Evidence that methods of source control have been comprehensively explored, for example French drains, rain gardens/bioretention areas or boundary swales for tarmacadam hardstanding areas.

2.16 Source control methods have been considered and used where appropriate and have been omitted where inappropriate.

2.17 Stonehouse Business Park and Lot 8 are operational commercial spaces, that need safe, hazard free access for goods vehicles that will be manoeuvring. Hardstanding areas must be robust and clear of hazards. With this in mind, permeable paviours are not appropriate as they are not suitable for heavy goods vehicles turning from lock to lock, as they become loose and unstable under HGV loads. Additionally, amenity features such as rain gardens and bio-retention areas are not suitable where the operational and commercial activities on site require clear, unhindered access in the external spaces. Because landscaping and 10% Biodiversity Net Gain (BNG) is already proposed, the amenity and biodiversity benefit of rain gardens and bioretention areas becomes superfluous and, because they provide no valuable attenuation volumes, they do not add value from a drainage strategy perspective. This is why small-scale SuDS features have not been used on Stonehouse Business Park and Lot 8.

2.18 Swales are not appropriate on Lot 8, as the change in levels from south to north is too steep to offer any attenuation, hence why pipes and stepped SuDS basins have been used. Stonehouse Business Park also includes a SuDS basin, and the presence of SuDS basins in the drainage strategy fulfils the need to include

SuDS features that provide all four SuDS pillars (quantity, quality, amenity and biodiversity). Because of this, non-functional swales would be redundant in the drainage design.

2.19 Stonehouse Business Park has also not employed swales, because of the areas to be drained and the route/space a swale would require conflicts with the operational and access requirements. The first available space for surface-level SuDS has been used to provide the SuDS basin.

2.20 Jacksons Ridge has utilised permeable paviours, and has recommended the use of rainwater butts, thus source control methods are fully employed on this part of the development. Jacksons Ridge literally sits atop a ridge feature on a man-made plateau, which means that ongoing swales or SuDS features cannot be used as they would either be outside of the site boundary or on land that drops steeply away and is inappropriate for SuDS features.

2.21 The above shows how full consideration has been given to source control features, and how they have been fully evaluated against the local geo-environmental constraints, as well as the future space and operational requirements of the sites. As demonstrated, they are not suitable for all sites. Similarly, rainwater gardens are often not appropriate for commercial spaces due to the large roof areas, which have high-capacity downpipes with large flow rates that 'blow out' a rainwater garden in heavy rainfall event. This again shows the inappropriateness of certain SuDS features in certain applications.

Further information on the existing surface water drainage network which it is proposed various development proposals will connect to. Please provide details of the connection points/manholes, capacity, pipe diameters etc to ensure there is sufficient resilience within the network to cater for the proposed development.

Jacksons Ridge

2.22 Jacksons Ridge will not connect to an existing surface water drainage network.

Stonehouse Business Park

2.23 Stonehouse Business Park has an existing drainage network, but the proposed drainage will not connect to or use much of this, so the condition and connectivity of most of the existing site drainage is not fundamental to the success or resilience of the proposed drainage strategy.

2.24 The only part of the Stonehouse Business Park drainage that will be used is the existing downstream pipe of the network to the outfall to the watercourse (see Drainage Strategy layout in Appendix D); thus, it is only this part of the existing drainage system that must be demonstrated as being suitable.

2.25 A CCTV survey of Stonehouse Business Park's existing drainage has been carried out. The outputs of the CCTV survey and the connectivity of the existing drainage can be seen in Appendix E. The pipe that leads to the watercourse (and to which the drainage strategy will connect) is that downstream of 'SW8' in the survey.

2.26 Full details of the pipe are in Page 67 of the CCTV survey. It is a 450mm diameter polyvinyl chloride (PVC) pipe. It is listed as having some minor defects and was traced for the full length of the CCTV camera and flexible hose (beyond which the survey was abandoned). Due to the diameter of the pipe (450mm) we understand that a crawler would be more suitable for inspection.

2.27 We know that this pipe continues to the watercourse and is fully functional because, as Figure 2.4 on the next page shows, it connects to the watercourse and is flowing.

2.28 Therefore, there is sufficient evidence of pipe size, pipe material, pipe capacity and connectivity, and it has been shown that it is a viable, flowing and connected outfall for the surface water from the Stonehouse Business Park development. This is especially true when it is considered that the development will only be inputting 1.0 l/s into this large 450mm diameter pipe.

Figure 2.4 – Outfall of 450mm Pipe to Watercourse.

Lot 8

2.29 The Lot 8 development will not utilise any existing on-site drainage and will only connect to the existing large drainage pipe that exits the site and outfalls directly to the watercourse.

2.30 We do not currently have CCTV evidence of this, but, again, we know of its route and connectivity because it is all within Lakeside Developments Ltd.'s land ownership (from site to outfall) and the outfall has been inspected and is flowing. As such, there is no concern regarding its resilience to the small surface water inputs the development on Lot 8 will provide (3.0 l/s).

2.31 The 49 metres between the site and the watercourse is entirely rural and, as stated above, within the land ownership of Lakeside Developments Ltd.

2.32 The above information is sufficient to give the LLFA comfort regarding the nature and capacity of all existing outfalls that are being used, and that there is sufficient resilience in the drainage system (or the nature of the site) to ensure that flooding due to infrastructure is of negligible risk.

2.33 The connection points of the proposed drainage to the existing outfalls are shown in the drainage strategy drawings. As this is for planning, we have not shown grid references of the connection points, etc. as this level of detail is not required, especially because the outfall pipes are all in within the same land ownership and the topography means that exact connection locations are not critical.

Plans showing the entire network up to and including any watercourse connections (existing and proposed), with location headwall details.

2.34 Because of the information that has been provided above, and because existing outfalls will be used on the Stonehouse Business Park and Lot 8 sites that don't have headwalls (see Figure 2.4, for example) this requirement has already been covered.

2.35 With regards to the proposed drainage connection from Jacksons Ridge to the watercourse, a headwall will not be used. Because the outflow from the drainage system is very low flow, it is proposed to build an informal headwall structure using concrete sandbags. This will be sensitive to the rural location (as opposed to a pre-

cast concrete headwall structure) and will be simple to construct. It is proposed to build the headwall in accordance with WSCC's approved standard details for 'Headwall Detail for pipe sizes up to 600mm diam. (Concrete Bagwork)' which is in WSCC drawing S278/38/23 Rev A.

2.36 This will not project into the watercourse and, as per WSCC's 'Application for Ordinary Watercourse Land Drainage Consent: Guidance Notes [1b]' there are certain activities that do not require consent. One of these is simple outfalls that do not project into the watercourse and will not alter flow (see conditions requiring or not needing consent in Appendix F). This means the projected outfall from Jacksons Ridge does not need consent and, because WSCC standard details are to be used, WSCC can remove their objection and, if necessary, condition the provision of this detail.

In addition to the above, the EA flood risk modelling was recently updated (NaFRA2, March 2025) and the Flood Risk Assessment should be reviewed and updated where applicable. The Drainage Strategy should also be updated where required.

2.37 We have noted the new NaFRA (NaFRA2) Flood Map for Planning and the updates to the Risk of Flooding from Surface Water (RoFSW) mapping.

2.38 None of the three sites are at risk of fluvial flooding, in the present day or in the future with an addition for climate change.

2.39 As Figure 2.5 to 2.7, below, show, none of the sites are at risk of surface water flooding (although Lot 8 has very small areas of surface water flood risk in the 1 in 1,000-year event, which would be dealt with by the drainage strategy.

Figure 2.5 – 1 in 1,000-year RoFSW Outline at Stonehouse Business Park

Figure 2.6 – 1 in 1,000-year RoFSW Outline at Lot 8

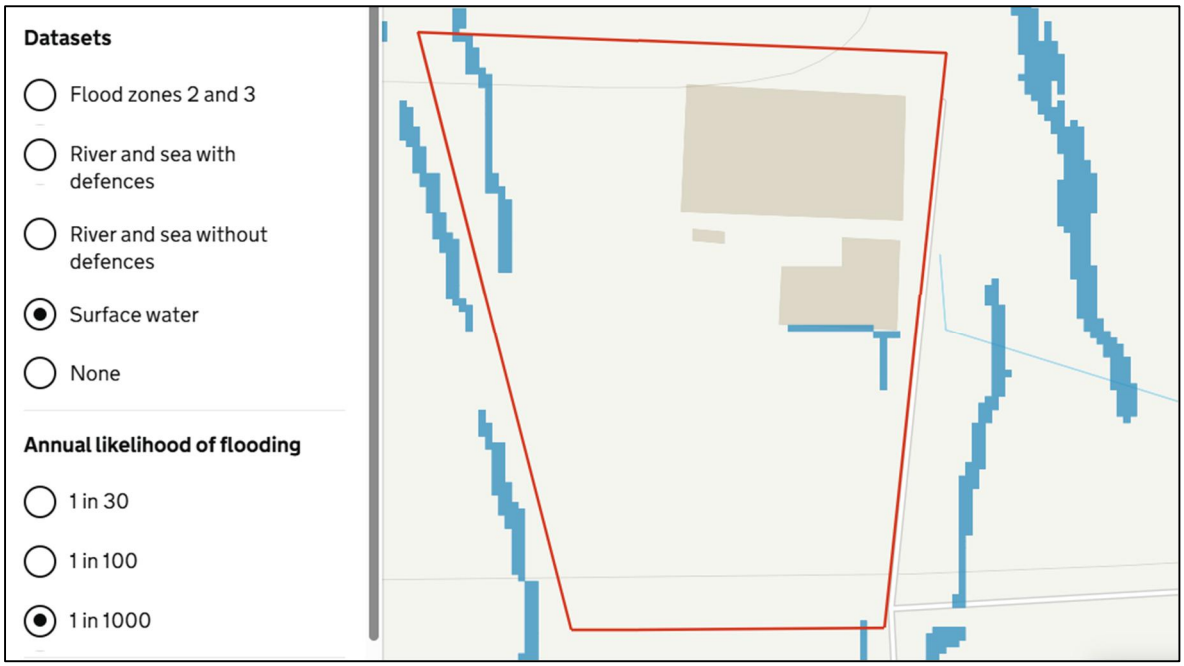


Figure 2.7 – 1 in 1,000-year RoFSW Outline at Jacksons Ridge

2.40 Consequently, flood risk is not a concern on any of the three sites and does not need to be considered further or addressed over what has already been provided in the FRA and Drainage Strategy.

It would be beneficial to the LLFA if the information within the FRA regarding site specific proposals for the three development areas were split based on each development area, to help with the review and any conditions we recommend.

2.41 We note this and understand the LLFA position. However, because the sites are being dealt with under one application, it requires a single report and submission on matters relating to flood risk and drainage. We are unable to separate out the report at this stage to create three reports.

2.42 We this in mind, we have taken great care to be explicit regarding which site is being discussed, with labelled sections, plans and headers throughout the FRA and Drainage Strategy. We have continued this approach through to this response.

2.43 If the LLFA wish to condition any items, they should refer to either Stonehouse Business Park, Lot 8, or Jacksons Ridge as we (and other technical matters in the application) have done.

3.0 Summary

3.1 This technical note has provided the further information requested by WSCC as the LLFA. This allows them to further understand and interpret the drainage strategies proposed across Stonehouse Business Park, Lot 8 and Jacksons Ridge.

3.2 Soakage testing has been carried out and proves that it will unfortunately not be viable on any of the sites due to the clay soils and their incapacity for infiltration. Because infiltration is not being used, groundwater monitoring is not required.

3.3 Evidence that source control methods have been considered on all three sites has been put forward. Source control has been used where appropriate. Where they have been deemed inappropriate, this is due to the operational and functional requirements of the site and this has been explained.

3.4 Evidence of the nature, layout, capacity, materials of the parts of the existing drainage system has been presented. Noting the very small and downstream extents of the existing drainage to be used, which have large capacities, confirmed outfalls, and ongoing connectivity, there can be no concern regarding resilience within the network to cater for the proposed development.

3.5 The updated new NaFRA EA flood risk modelling has been referenced. Flood risk does not affect any of the three sites, today or in the future and the Drainage Strategy will be unaffected.

3.6 In conclusion, sufficient evidence has now been provided to the LLFA to demonstrate the full principles , sustainability, and deliverability of the proposed developments and their drainage strategies and there should be no outstanding reasons for objection. Any further details can be secured by condition now that all particulars of the drainage strategies, the geoenvironmental conditions, and infrastructure requirements have been provided.

Appendix A

WSCC LLFA Objection

Ground Floor
Northleigh
County Hall
Chichester
West Sussex
PO19 1RH

Lead Local Flood Authority

Date 25th April 2025

Amanda Wilkes
Development Control
Horsham District Council
Albery House
Springfield Road
Horsham
RH12 2GB

Dear Amanda,

RE: **DC/25/0403 – Full Planning Application – Stonehouse Farm Handcross Road Plummers Plain West Sussex RH13 6NZ**

Thank you for your consultation of the above application, received on 08 April 2025. We have reviewed the submitted documentation and wish to make the following comments.

This is a full planning application to form a comprehensive masterplan including: 1. Rationalisation and enhancement of existing commercial facilities (Use Classes E(g) B2 and B8 at Stonehouse Business Park including demolition of two buildings and their replacement with new Class E(g), B2 and B8 facilities. Extension of existing building to form a new office and wardens' accommodation. Existing mobile home removed. 2. Decommissioning of the Anaerobic Digester and re-use of the existing 2no buildings for storage and office uses (Class E (g) and B8) and the diversion of a public footpath. 3. Residential redevelopment of the Jacksons Farm site including the demolition of existing barns to provide 3no. dwellings with access, parking, and landscaping.

At present we **object** to this planning application as we require further information regarding the below:

1) Sufficient groundwater monitoring and infiltration testing results to adequately demonstrate that infiltration will not be possible on site.
2) Evidence that methods of source control have been comprehensively explored, for example French drains, rain gardens/bioretention areas or boundary swales for tarmacadam hard standing areas.
3) Further information on the existing surface water drainage network which it is proposed various development proposals will connect to. Please provide details of the connection points/manholes, capacity, pipe diameters etc to ensure there is sufficient resilience within the network to cater for the proposed development.

4) Plans showing the entire network up to and including any watercourse connections (existing and proposed), with location headwall details.

In addition to the above, the EA flood risk modelling was recently updated (NaFRA2 March 2025) and the Flood Risk Assessment should be reviewed and updated where applicable. The Drainage Strategy should also be updated where required.

It would be beneficial to the LLFA if the information within the FRA regarding site specific proposals for the three development areas were split based on each development area, to help with the review and any conditions we recommend.

Reason
To prevent flooding in accordance with NPPF, PPG Flood Risk and Coastal Change and Policy 38 in Horsham District Planning Framework.

Advisory to the Local Planning Authority:

Please note that the policy referred to at 7.34 of the FRA regarding urban creep is not current policy, however any other national or local guidance regarding this should continue to be applied.

Upon receipt of the above we will review the application further and advise accordingly.

Yours sincerely,

Flood Risk Management Team
FRM@westsussex.gov.uk

Annex

The following documents have been reviewed, which have been submitted to support the application;

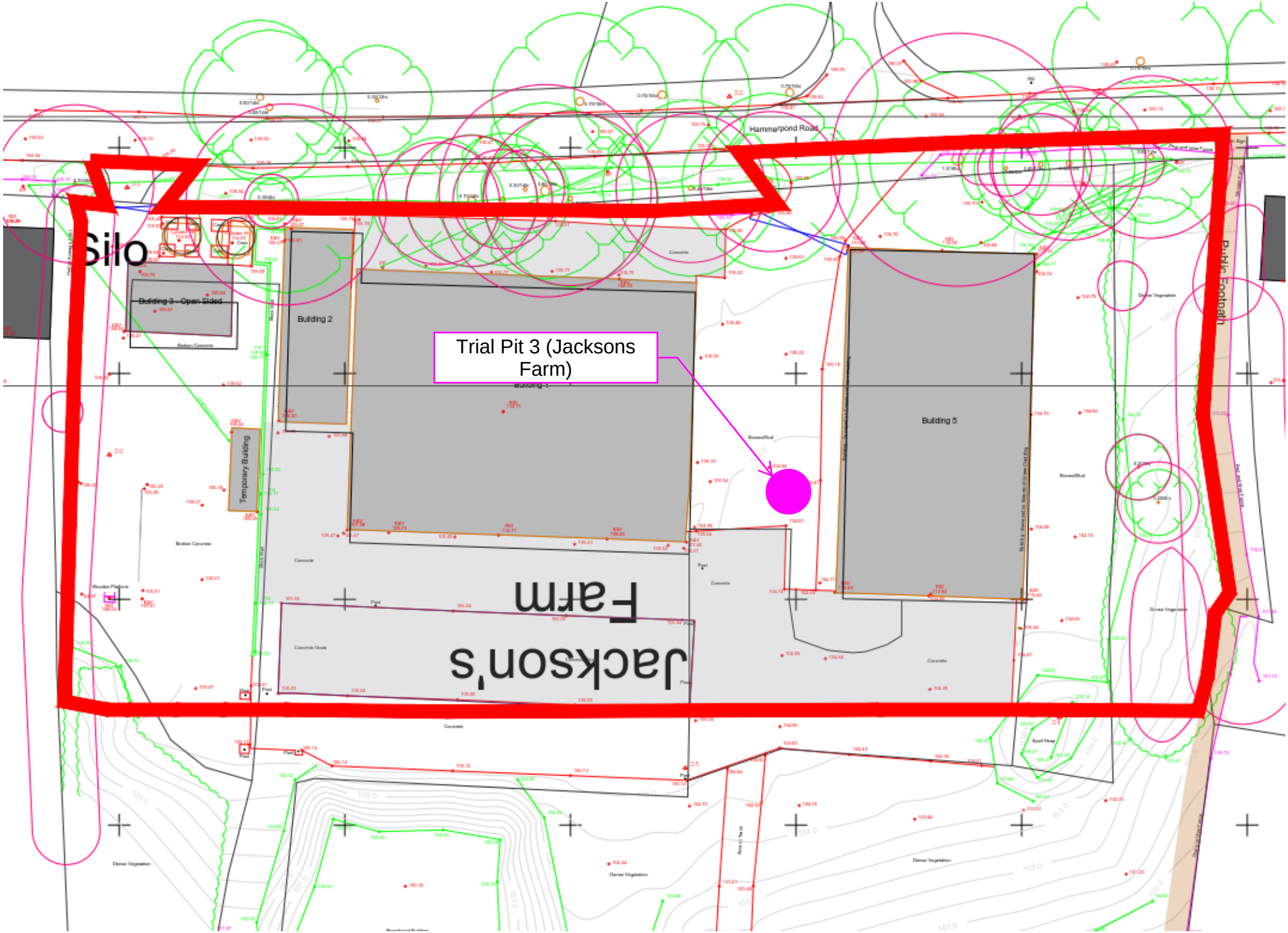
Flood Risk Assessment and Drainage Strategy Part 1: REV C Dated 28th February 2025
Flood Risk Assessment and Drainage Strategy Part 2: REV C Dated 28th February 2025

Appendix B

Soakage Testing Locations


Trial Pit 1 (Stonehouse Business Park)
Stone House Farm
Meadowcroft
B 2110


Trial Pit 2 (Lot 8)
Tanks
Tanks


Silo
Building 3 - Open Sided
Building 2
Building 1
Building 5
Temporary Building
Trial Pit 3 (Jacksons Farm)
Jackson's Farm
Hammerpond Road
Public Footpath

Appendix C

Soakage Testing Results

motion Soakage Testing Report

Client:	Lakeside Development Investments Ltd
Project Title:	Stonehouse Farm, Plummers Plan, West Sussex
Project no.:	1ecst3/2501022

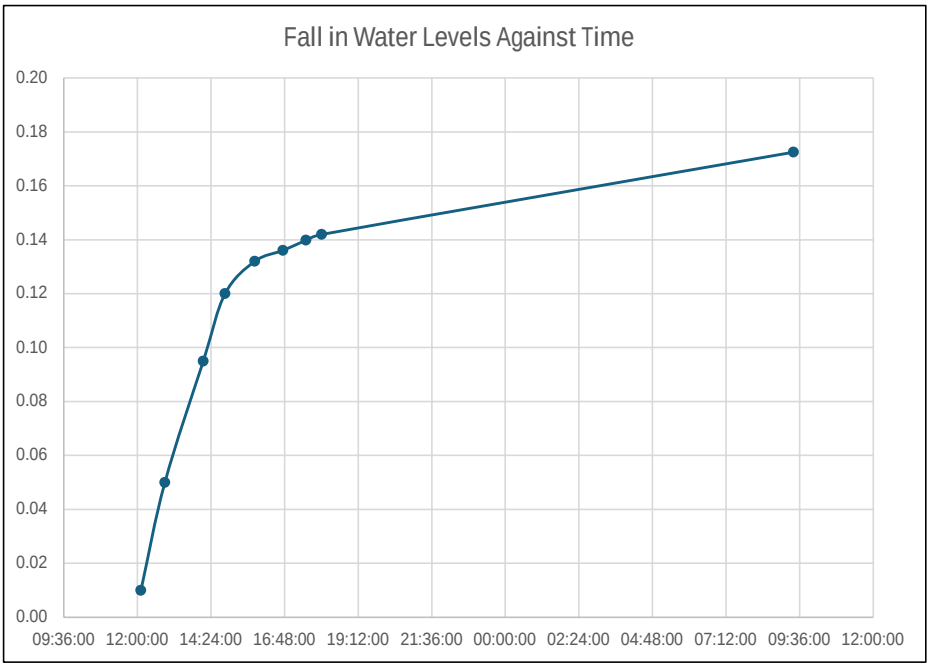
Ground Conditons	From	To	Description
Topsoil	0mBGL	0.08mBGL	Dry, uncohesive, vegetated
Clay, Silt	0.08mGL	0.75mBGL	Cohesive, Orange CLAY and Silt

Trial Pit No.:	1 (Stonehouse Business Park)	Length (m):	2.00
Test No.:	1	Depth (m):	0.75
Date:	14 - 15/05/2025	Width (m):	0.50
Logged By:	P Allen BSc (Hons) MCIWEM C.WEM	Groundwater:	N/A

Water Start Level (m)	0.740
75% depth (m)	0.555
50% depth (m)	0.370
25% depth (m)	0.185

Water Level (mBGL)	0.000
75% depth (mBGL)	0.185
50% depth (mBGL)	0.370
25% depth (mBGL)	0.555

Time	Depth (mBGL)
12:07:00	0.01
12:54:00	0.05
14:09:00	0.10
14:52:00	0.12
15:50:00	0.13
16:45:00	0.14
17:30:00	0.14
18:01:00	0.14
09:24:00	0.17



Soil Infiltration Rate [m/s]: $f = \frac{V_{p75\_25}}{a_{s50} \times tp_{75-25}}$

with:

V_{p75_25} as Effective Storage Volume of water between 75% and 25% effective storage depth ***[m³]***

a_{s50} as Internal Surface Area of the soakage trial pit up to 50% storage depth including the base area ***[m²]***

t_{p75_25} as Time for the water level to fall from 75% to 25% effective storage depth ***[s]***

V_{p75_25}	0.37	m^3
a_{s50}	2.85	m^2
t_{p75_25}	174,458	seconds*
f	7.442E-07	m/s*

*EXTRAPOLATED

motion Soakage Testing Report

Client:	Lakeside Development Investments Ltd
Project Title:	Stonehouse Farm, Plummers Plan, West Sussex
Project no.:	1ecst3/2501022

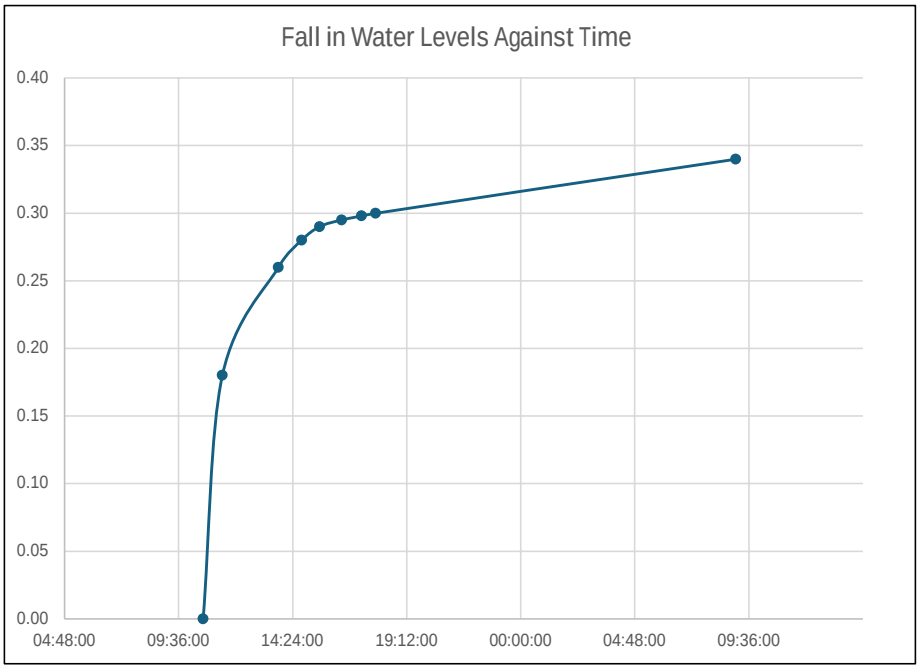
Ground Conditons	From	To	Description
Topsoil	0mBGL	0.28mBGL	Dry, uncohesive, vegetated
Clay, Silt	0.28mGL	0.75mBGL	Cohesive, Orange CLAY and Silt

Trial Pit No.:	2 (Lot 8)	Length (m):	2
Test No.:	1	Depth (m):	0.75
Date:	14 - 15/05/2025	Width (m):	0.5
Logged By:	P Allen BSc (Hons) MCIWEM C.WEM	Groundwater:	N/A

Water Start Level (m)	0.750
75% depth (m)	0.563
50% depth (m)	0.375
25% depth (m)	0.188

Water Level (mBGL)	0.000
75% depth (mBGL)	0.188
50% depth (mBGL)	0.375
25% depth (mBGL)	0.563

Time	Depth (mBGL)
10:38:00	0.00
11:27:00	0.18
13:48:00	0.26
14:47:00	0.28
15:32:00	0.29
16:28:00	0.30
17:18:00	0.30
17:54:00	0.30
09:03:00	0.34



Soil Infiltration Rate [m/s]: $f = \frac{V_{p75\_25}}{a_{s50} \times tp_{75-25}}$

with:

V_{p75_25} as Effective Storage Volume of water between 75% and 25% effective storage depth ***[m³]***

a_{s50} as Internal Surface Area of the soakage trial pit up to 50% storage depth including the base area ***[m²]***

t_{p75_25} as Time for the water level to fall from 75% to 25% effective storage depth ***[s]***

V_{p75_25}	0.375	m^3
a_{s50}	2.875	m^2
t_{p75_25}	89,007	seconds*
f	1.465E-06	m/s*

*EXTRAPOLATED

Soakage Testing Report

Client:	Lakeside Development Investments Ltd
Project Title:	Stonehouse Farm, Plummers Plan, West Sussex
Project no.:	1ecst3/2501022

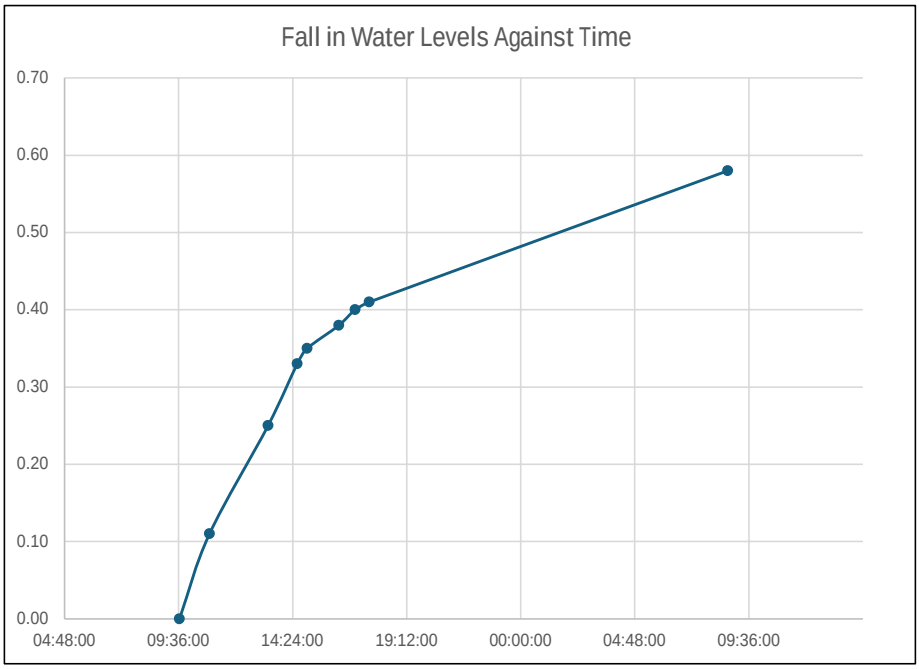
Ground Conditons	From	To	Description
Topsoil	0mBGL	0.23mBGL	Dry, sandy, clayey soil
Clay, Silt	0.23mGL	1.00mBGL	Cohesive, Orange CLAY and Silt

Trial Pit No.:	3 (Jacksons Ridge)	Length (m):	2.00
Test No.:	1	Depth (m):	1.00
Date:	14 - 15/05/2025	Width (m):	0.50
Logged By:	P Allen BSc (Hons) MCIWEM C.WEM	Groundwater:	N/A

Water Start Level (m)	1.000
75% depth (m)	0.750
50% depth (m)	0.500
25% depth (m)	0.250

Water Level (mBGL)	0.000
75% depth (mBGL)	0.250
50% depth (mBGL)	0.500
25% depth (mBGL)	0.750

Time	Depth (mBGL)
09:38:00	0.00
10:54:00	0.11
13:22:00	0.25
14:36:00	0.33
15:01:00	0.35
16:21:00	0.38
17:02:00	0.40
17:38:00	0.41
08:43:00	0.58



Soil Infiltration Rate [m/s]: $f = \frac{V_{p75\_25}}{a_{s50} \times tp_{75-25}}$

with:

V_{p75_25} as Effective Storage Volume of water between 75% and 25% effective storage depth ***[m³]***

a_{s50} as Internal Surface Area of the soakage trial pit up to 50% storage depth including the base area ***[m²]***

t_{p75_25} as Time for the water level to fall from 75% to 25% effective storage depth ***[s]***

V_{p75_25}	0.5	m^3
a_{s50}	3.5	m^2
t_{p75_25}	71,638	seconds
f	1.994E-06	m/s

motion Soakage Testing Report

Client:	Lakeside Development Investments Ltd
Project Title:	Stonehouse Farm, Plummers Plan, West Sussex
Project no.:	1ecst3/2501022

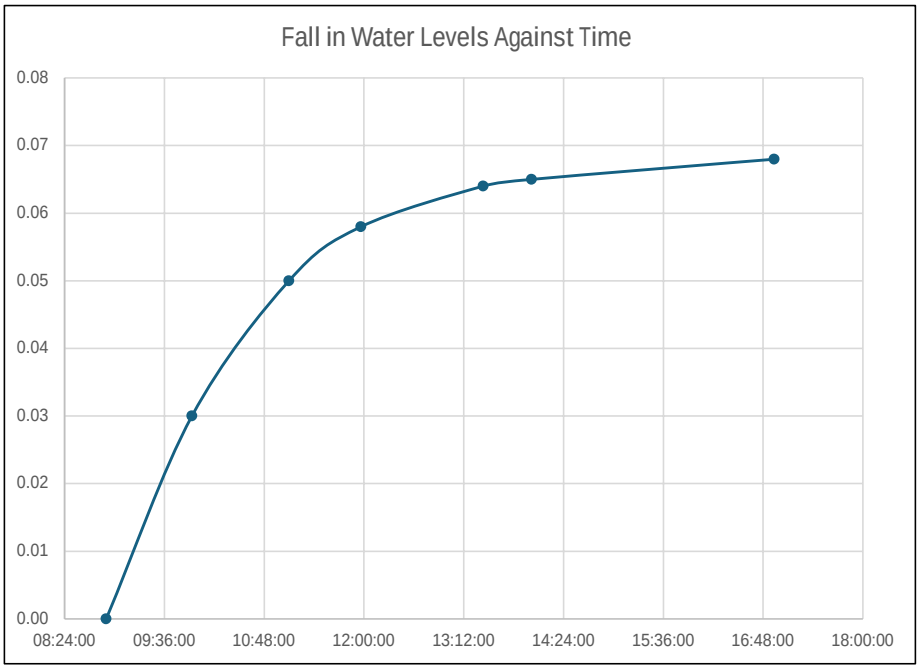
Ground Conditons	From	To	Description
Topsoil	0mBGL	0.23mBGL	Dry, sandy, clayey soil
Clay, Silt	0.23mGL	1.00mBGL	Cohesive, Orange CLAY and Silt

Trial Pit No.:	3 (Jacksons Ridge)	Length (m):	2.00
Test No.:	2	Depth (m):	1.00
Date:	15/05/2025	Width (m):	0.50
Logged By:	P Allen BSc (Hons) MCIWEM C.WEM	Groundwater:	N/A

Water Start Level (m)	1.000
75% depth (m)	0.750
50% depth (m)	0.500
25% depth (m)	0.250

Water Level (mBGL)	0.000
75% depth (mBGL)	0.250
50% depth (mBGL)	0.500
25% depth (mBGL)	0.750

Time	Depth (mBGL)
08:54:00	0.00
09:56:00	0.03
11:06:00	0.05
11:58:00	0.06
13:26:00	0.06
14:01:00	0.07
16:56:00	0.07



Soil Infiltration Rate [m/s]: $f = \frac{V_{p75\_25}}{a_{s50} \times tp_{75-25}}$

with:

V_{p75_25} as Effective Storage Volume of water between 75% and 25% effective storage depth ***[m³]***

a_{s50} as Internal Surface Area of the soakage trial pit up to 50% storage depth including the base area ***[m²]***

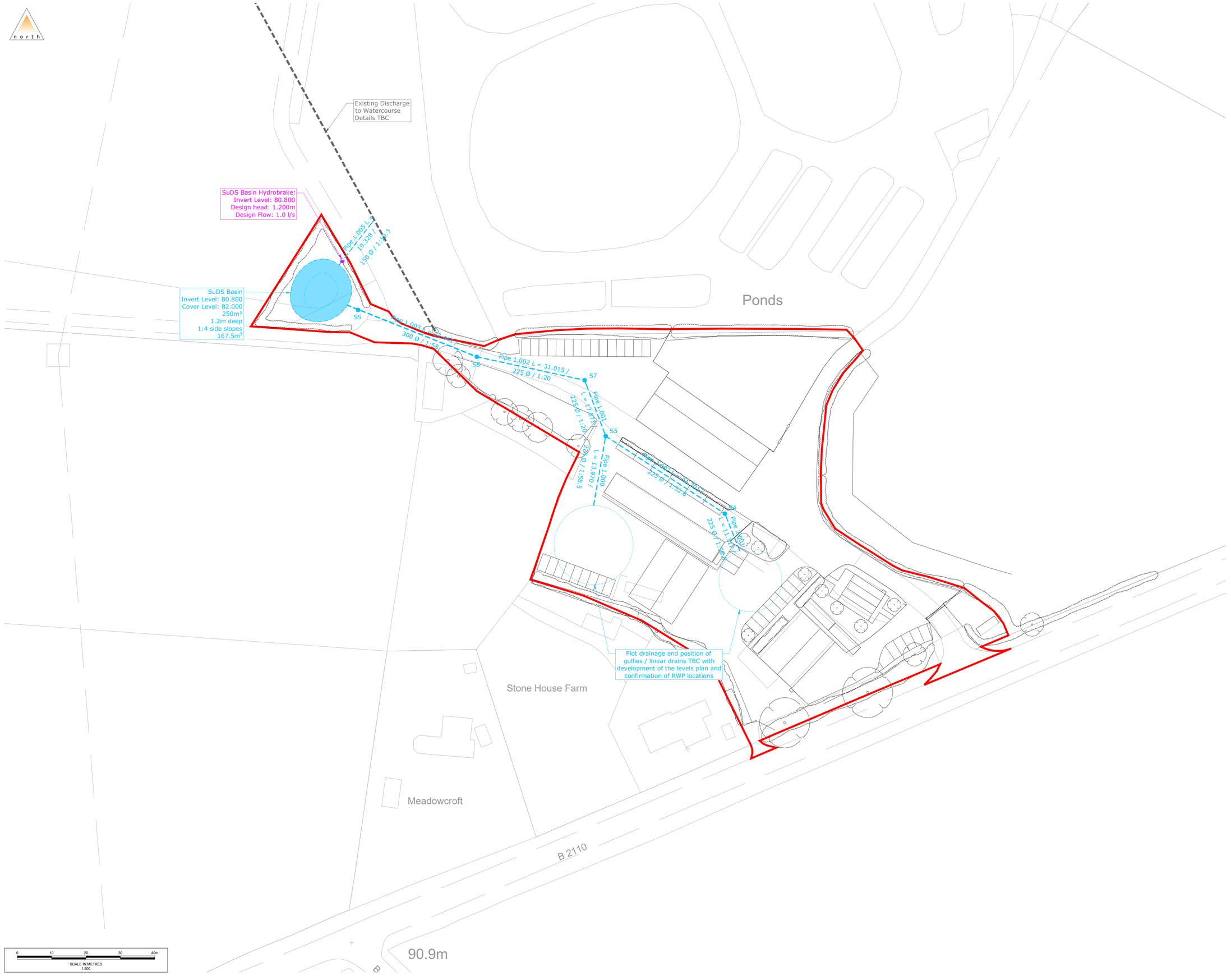
t_{p75_25} as Time for the water level to fall from 75% to 25% effective storage depth ***[s]***

V_{p75_25}	0.5	m^3
a_{s50}	3.5	m^2
t_{p75_25}	212,647	seconds*
f	6.718E-07	m/s*

*EXTRAPOLATED

Appendix D

Stonehouse Business Park Drainage Strategy Layout



Notes

1. All levels and dimensions are to be checked on site before any work commences. All dimensions are in metres unless stated otherwise.
2. Any discrepancies shall be reported to the engineer immediately, so that clarification can be sought prior to the commencement of works.
3. This drawing shall be read in conjunction with all other relevant engineering details, drawings and specification.
4. The contractor is to keep a record of any variations made on site, including the relocation of sewers or drains, for their "as built" drawings to be prepared upon project completion.
5. All works to the adopted system are to be carried out in accordance with Sewers for Adoption, 7th Edition.
6. All works to the private drainage system to be in accordance with the Building Regulations Approved Document Part "H" 2015 edition.
7. 350mm min cover to be provided for private pipes laid in soft/paved areas. 900mm min cover to be provided for private pipes laid beneath roads/driveways unless not practicable. Where unachievable, shallow private drains may require protection using concrete surround or paving slabs bridging the trench, subject to the NHBC inspector's requirements.
8. All pipes shall be laid soffit to soffit with outgoing pipes unless otherwise stated.
9. Manholes situated within areas accessible to motor vehicles are to be fitted with suitable strength covers and frames. Please refer to the manhole schedule for guidance on this.

Legend

- New SuDS Basin
- New Surface Water Gravity Pipe
- Existing Surface Water Gravity Pipe
- New SW Inspection Chamber
- New Flow Control Structure

Rev.	Description	Drn	Chk	App	Date
P02	Second Issue	PA	PA	PA	28/02/2025
P01	First Issue	RW	PA	PA	26/02/2025

Drawing Status:

FOR PLANNING
NOT FOR CONSTRUCTION

motion
Guildford - Reading - London
www.motion.co.uk

Client:
Lakeside Investments Limited

Project:
Stonehouse Farm

Title:
Stonehouse Commercial Site
Drainage Strategy

Scale: 1:500 (@ A1)

Drawing: 2501022-0502
Revision: P02

C:\Users\phillen\Motion\Staff\Site - 1ecsd3 2501022\Drawings\2501022-0502-P01 [Drainage Strategy - Stepney Commercials].dwg

Appendix E

CCTV Sewer Survey Outputs

A2

PLANNING

3-D Architecture Limited
15 Horsted Square, Bellbrook Industrial Estate,
Uckfield, East Sussex. TN22 1QG.
Tel: 01825 764455 Fax: 01825 764455
Email: info@3d-architecture.co.uk

CLIENT

Lee Goossens

PROJECT

Stonehouse Farm
Handcross Road, Plummer Plain,
Horsham, West Sussex
RH13 6NZ

DRAWING TITLE

Site Layout Plan
As Existing

SCALE	DATE	DRAWN BY
1:500 @ A2	March 2023	ANH

DRAWING NO.	REVISION
2024/PL01	C

Aquatech Drain Services Ltd
Holmbush Lane, Woodmancote
Tel. 01273 933705
contact@aquatechdrains.co.uk

Project

Project Name: Stone House Farm

Project Date: 16/05/2025

Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

Aquatech Drain Services Ltd
Holmbush Lane, Woodmancote
Tel. 01273 933705
contact@aquatechdrains.co.uk

Table of Contents

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Aquatech Drain Services Ltd
Holmbush Lane, Woodmancote
Tel. 01273 933705
contact@aquatechdrains.co.uk

Table of Contents

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Aquatech Drain Services Ltd
Holmbush Lane, Woodmancote
Tel. 01273 933705
contact@aquatechdrains.co.uk

Project Information

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Site

Company: The Hunters Group
Description: J-03704
Contact: Lee Goossens
Street: Handscross Road
Town or City: Plummers Plain
County: West Sussex
Post Code: RH13 6NZ

Contractor

Company: Aquatech Drain Services Ltd
Description: Drainage Contracor
Contact: Connor
Street: Holmbush Lane
Town or City: Woodmancote
County: East Sussex
Post Code: BN5 9TL
Phone: 01273 933705
Email: contact@aquatechdrains.co.uk

Aquatech Drain Services Ltd
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Scoring Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Structural Defects

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Item No.	PLR	Grade	Description
2	AX	5	Deformed sewer or drain, 70%
4	CX	4	Deformed sewer or drain, 25%
6	DX	5	Collapsed drain or sewer, 60% cross-sectional area loss
11	CesspitX	4	Deformed sewer or drain, 25%
22	SW2X	4	Deformed sewer or drain, 25%
23	SW1X	5	Deformed sewer or drain, 35%
24	SW6X	5	Hole in drain or sewer from 6 o'clock to 1 o'clock
25	SW6X	5	Multiple defects
26	SW7X	5	Multiple defects
27	SW8X	5	Multiple defects

Service / Operational Condition

Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Item No.	PLR	Grade	Description
2	AX	4	Deformed sewer or drain, 70%
3	BX	5	Settled deposits, hard or compacted, 85% cross-sectional area loss
4	CX	4	Multiple defects
6	DX	4	Settled deposits, hard or compacted, 35% cross-sectional area loss
8	RG1X	4	Multiple defects
11	CesspitX	5	Settled deposits, hard or compacted, 80% cross-sectional area loss
16	RG5X	4	Multiple defects
17	SW9X	3	Multiple defects
19	RE1X	4	Joint displaced, large
22	SW2X	4	Multiple defects
23	SW1X	4	Multiple defects
25	SW6X	5	Other obstacles, brick or masonry in invert from 5 o'clock to 7 o'clock, 25% cross-sectional area loss
26	SW7X	4	Multiple defects
27	SW8X	4	Multiple defects
28	EX	5	Settled deposits, hard or compacted, 95% cross-sectional area loss

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Scoring Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Abandoned Surveys

Item No.	PLR	Description
2	AX	Survey abandoned
3	BX	Survey abandoned
4	CX	Survey abandoned
6	DX	Survey abandoned
8	RG1X	Survey abandoned
11	CesspitX	Survey abandoned
24	SW6X	Survey abandoned
25	SW6X	Survey abandoned
27	SW8X	Survey abandoned
28	EX	Survey abandoned

Information

These scoring summaries are based on the SRM grading from the WRc.

Aquatech Drain Services Ltd
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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	SW3X	SW3	SW2	Handscross Road		S	PVC	Circular 100mm	9.10 m
2	SEC	AX	A	SW3	Handscross Road		S	PVC	Circular 100mm	0.50 m
3	SEC	BX	B	SW3	Handscross Road		S	PVC	Circular 100mm	2.60 m
4	SEC	CX	C	SW3	Handscross Road		S	PVC	Circular 100mm	15.10 m
5	SEC	SW4X	SW4	SW2	Handscross Road		S	PVC	Circular 100mm	1.10 m
6	SEC	DX	D	SW4	Handscross Road		S	PVC	Circular 100mm	11.00 m
7	SEC	RWP1X	RWP1	SW4	Handscross Road		S	PVC	Circular 100mm	8.50 m
8	SEC	RG1X	RG1	SW4	Handscross Road		S	PVC	Circular 100mm	14.00 m
9	SEC	RG2X	RG2	SW5	Handscross Road		S	PVC	Circular 100mm	5.40 m
10	SEC	Treatment X	TREATMENT	SW4	Handscross Road		S	PVC	Circular 100mm	15.20 m
11	SEC	CesspitX	CESSPIT	SW5	Handscross Road		C	PVC	Circular 100mm	32.40 m
12	SEC	IC1X	IC1	IC2	Handscross Road		F	PVC	Circular 100mm	14.10 m
13	SEC	RG3X	RG3	IC2	Handscross Road		F	PVC	Circular 100mm	2.30 m
14	SEC	IC2X	IC2	TREATMENT	Handscross Road		F	PVC	Circular 100mm	43.50 m
15	SEC	RG4X	RG4	MAIN LINE	Handscross Road		S	PVC	Circular 150mm	18.40 m
16	SEC	RG5X	RG5	MAIN LINE	Handscross Road		S	PVC	Circular 150mm	19.20 m
17	SEC	SW9X	SW9	SW10	Handscross Road		S	PVC	Circular 100mm	18.50 m
18	SEC	SW10X	SW10	SW11	Handscross Road		S	PVC	Circular 100mm	12.00 m
19	SEC	RE1X	RE1	SW9	Handscross Road		S	PVC	Circular 100mm	14.20 m
20	SEC	SW11X	SW11	TANK	Handscross Road		S	PVC	Circular 100mm	20.30 m
21	SEC	SW5X	SW5	SW6	Handscross Road		S	PVC	Circular 450mm	14.20 m
22	SEC	SW2X	SW2	SW5	Handscross Road		S	PVC	Circular 450mm	15.70 m
23	SEC	SW1X	SW1	SW2	Handscross Road		S	PVC	Circular 450mm	46.10 m
24	SEC	SW6X	SW6	SW7	Handscross Road		S	PVC	Circular 450mm	25.60 m
25	SEC	SW6X	SW6	SW7	Handscross Road		S	PVC	Circular 450mm	21.30 m
26	SEC	SW7X	SW7	SW8	Handscross Road		S	PVC	Circular 450mm	20.00 m
27	SEC	SW8X	SW8	DITCH	Handscross Road		S	PVC	Circular 450mm	28.50 m
28	SEC	EX	E	SW7	Handscross Road		S	PVC	Circular 300mm	6.10 m
									Total:	**454.90 m**

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	SW3X	SW3			0.000 m	SW2			0.000 m
2	AX	A			0.000 m	SW3			0.000 m
3	BX	B			0.000 m	SW3			0.000 m
4	CX	C			0.000 m	SW3			0.000 m
5	SW4X	SW4			0.000 m	SW2			0.000 m
6	DX	D			0.000 m	SW4			0.000 m
7	RWP1X	RWP1			0.000 m	SW4			0.000 m
8	RG1X	RG1			0.000 m	SW4			0.000 m
9	RG2X	RG2			0.000 m	SW5			0.000 m
10	Treatment X	TREATMENT			0.000 m	SW4			0.000 m
11	CesspitX	CESSPIT			0.000 m	SW5			0.000 m
12	IC1X	IC1			0.000 m	IC2			0.000 m
13	RG3X	RG3			0.000 m	IC2			0.000 m
14	IC2X	IC2			0.000 m	TREATMENT			0.000 m
15	RG4X	RG4			0.000 m	MAIN LINE			0.000 m
16	RG5X	RG5			0.000 m	MAIN LINE			0.000 m
17	SW9X	SW9			0.000 m	SW10			0.000 m
18	SW10X	SW10			0.000 m	SW11			0.000 m
19	RE1X	RE1			0.000 m	SW9			0.000 m
20	SW11X	SW11			0.000 m	TANK			0.000 m
21	SW5X	SW5			0.000 m	SW6			0.000 m
22	SW2X	SW2			0.000 m	SW5			0.000 m
23	SW1X	SW1			0.000 m	SW2			0.000 m
24	SW6X	SW6			0.000 m	SW7			0.000 m
25	SW6X	SW6			0.000 m	SW7			0.000 m
26	SW7X	SW7			0.000 m	SW8			0.000 m
27	SW8X	SW8			0.000 m	DITCH			0.000 m
28	EX	E			0.000 m	SW7			0.000 m

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Pipe Summary by Profile

Profile		Total Length	No. Pipes
Circular 100mm		9.10 m	
Circular 100mm		0.50 m	
Circular 100mm		2.60 m	
Circular 100mm		15.10 m	
Circular 100mm		1.10 m	
Circular 100mm		11.00 m	
Circular 100mm		8.50 m	
Circular 100mm		14.00 m	
Circular 100mm		5.40 m	
Circular 100mm		15.20 m	
Circular 100mm		32.40 m	
Circular 100mm		14.10 m	
Circular 100mm		2.30 m	
Circular 100mm		43.50 m	
Circular 100mm		18.50 m	
Circular 100mm		12.00 m	
Circular 100mm		14.20 m	
Circular 100mm		20.30 m	
Circular 100mm	=	239.80 m	18
Circular 150mm		18.40 m	
Circular 150mm		19.20 m	
Circular 150mm	=	37.60 m	2
Circular 300mm		6.10 m	
Circular 300mm	=	6.10 m	1
Circular 450mm		14.20 m	
Circular 450mm		15.70 m	
Circular 450mm		46.10 m	
Circular 450mm		25.60 m	
Circular 450mm		21.30 m	
Circular 450mm		20.00 m	
Circular 450mm		28.50 m	
Circular 450mm	=	171.40 m	7
Total	**=**	**454.90 m**	**28**

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	SW3	SW2	US	Js	16/05/2025	14:17	1	1	MHF	9.10 m
2	**1**	**A**	**SW3**	**US**	**Js**	**16/05/2025**	**14:31**	**5**	**5**	**SA, crushed pipe work**	**0.50 m**
3	**1**	**B**	**SW3**	**US**	**Js**	**16/05/2025**	**14:34**	**1**	**5**	**SA, debris obstruction**	**2.60 m**
4	**1**	**C**	**SW3**	**US**	**Js**	**16/05/2025**	**14:41**	**4**	**4**	**SA, debris obstruction**	**15.10 m**
5	1	SW4	SW2	US	Js	16/05/2025	14:54	1	1	MHF	1.10 m
6	**1**	**D**	**SW4**	**US**	**Js**	**16/05/2025**	**15:01**	**5**	**4**	**SA, collapsed section**	**11.00 m**
7	1	RWP1	SW4	US	Js	16/05/2025	15:05	1	1	MHF	8.50 m
8	**1**	**RG1**	**SW4**	**US**	**Js**	**16/05/2025**	**15:09**	**1**	**4**	**SA, debris obstruction**	**14.00 m**
9	1	RG2	SW5	US	Js	16/05/2025	15:25	1	1	MHF, road gully trap	5.40 m
10	1	TREATMENT	SW4	US	Js	16/05/2025	14:33	1	1	MHF, treatment plant	15.20 m
11	**1**	**CESSPIT**	**SW5**	**US**	**Js**	**19/05/2025**	**8:40**	**4**	**5**	**SA, debris obstruction**	**32.40 m**
12	1	IC1	IC2	US	Js	16/05/2025	14:39	1	1	MHF	14.10 m
13	1	RG3	IC2	US	Js	16/05/2025	15:45	1	1	MHF, gully trap view	2.30 m
14	1	IC2	TREATMENT	DS	Js	16/05/2025	15:50	1	1	MHF, dipper of tank	43.50 m
15	1	RG4	MAIN LINE	DS	Js	16/05/2025	15:54	1	1	MHF	18.40 m
16	1	RG5	MAIN LINE	DS	Js	19/05/2025	8:58	1	4	MHF	19.20 m
17	1	SW9	SW10	DS	Js	19/05/2025	9:12	2	3	MHF	18.50 m
18	1	SW10	SW11	DS	Js	19/05/2025	9:19	1	1	MHF, view into catch pit	12.00 m
19	1	RE1	SW9	US	Js	19/05/2025	8:25	1	4	MHF	0.00 m
20	1	SW11	TANK	DS	Js	19/05/2025	9:33	1	1	MHF	20.30 m
21	1	SW5	SW6	US	Js	19/05/2025	9:40	1	1	MHF, made manhole	14.20 m
22	1	SW2	SW5	US	Js	19/05/2025	9:51	4	4	MHF	15.70 m
23	1	SW1	SW2	US	Js	19/05/2025	10:01	5	4	MHF	46.10 m
24	**1**	**SW6**	**SW7**	**DS**	**Js**	**19/05/2025**	**10:13**	**5**	**4**	**SA, crawler will tilt over**	**25.60 m**
25	**1**	**SW6**	**SW7**	**US**	**Js**	**19/05/2025**	**9:23**	**5**	**5**	**SA, deformed**	**21.30 m**
26	1	SW7	SW8	DS	Js	19/05/2025	10:33	5	4	MHF	20.00 m
27	**1**	**SW8**	**DITCH**	**DS**	**Js**	**19/05/2025**	**11:02**	**5**	**4**	**SA, unable to continue**	**28.50 m**
28	**1**	**E**	**SW7**	**US**	**Js**	**19/05/2025**	**11:22**	**1**	**5**	**SA, blanked off**	**6.10 m**
										Total:	**440.70 m**

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Inspection Summary by Profile

Profile		Total Length	No. Inspections
Circular 100mm		9.10 m	
Circular 100mm		0.50 m	
Circular 100mm		2.60 m	
Circular 100mm		15.10 m	
Circular 100mm		1.10 m	
Circular 100mm		11.00 m	
Circular 100mm		8.50 m	
Circular 100mm		14.00 m	
Circular 100mm		5.40 m	
Circular 100mm		15.20 m	
Circular 100mm		32.40 m	
Circular 100mm		14.10 m	
Circular 100mm		2.30 m	
Circular 100mm		43.50 m	
Circular 100mm		18.50 m	
Circular 100mm		12.00 m	
Circular 100mm		0.00 m	
Circular 100mm		20.30 m	
Circular 100mm	=	225.60 m	17
Circular 150mm		18.40 m	
Circular 150mm		19.20 m	
Circular 150mm	=	37.60 m	2
Circular 300mm		6.10 m	
Circular 300mm	=	6.10 m	1
Circular 450mm		14.20 m	
Circular 450mm		15.70 m	
Circular 450mm		46.10 m	
Circular 450mm		25.60 m	
Circular 450mm		21.30 m	
Circular 450mm		20.00 m	
Circular 450mm		28.50 m	
Circular 450mm	=	171.40 m	7
Total	**=**	**440.70 m**	**27**

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Defect Summary

				CCTV Drainage Survey Observation Count																					
				General				Structural Condition									Service Condition						Misc	
Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
1	1	SW3	SW2	9.1																			1	1
2	**1**	**A**	**SW3**	**0.5**	**2**	**1**					**1**												**1**	
3	**1**	**B**	**SW3**	**2.6**	**2**	**1**																	**1**	**1**
4	**1**	**C**	**SW3**	**15.1**	**6**	**1**					**1**						**2**			**4**			**1**	**1**
5	1	SW4	SW2	1.1																			1	
6	**1**	**D**	**SW4**	**11.0**	**2**	**1**						**1**											**1**	
7	1	RWP1	SW4	8.5																			1	2
8	**1**	**RG1**	**SW4**	**14.0**	**2**	**1**														**3**			**1**	**2**
9	1	RG2	SW5	5.4																			1	
10	1	TREATMENT	SW4	15.2																			1	2
11	**1**	**CESSPIT**	**SW5**	**32.4**	**4**	**1**					**2**				**1**								**1**	
12	1	IC1	IC2	14.1																			1	1
13	1	RG3	IC2	2.3																			1	
14	1	IC2	TREATMENT	43.5																			1	
15	1	RG4	MAIN LINE	18.4																			1	3
16	1	RG5	MAIN LINE	19.2	2															3			1	2
17	1	SW9	SW10	18.5			1				1									1			5	
18	1	SW10	SW11	12.0			1																3	1
19	1	RE1	SW9	0.0	1										1								1	1
20	1	SW11	TANK	20.3																			1	1
21	1	SW5	SW6	14.2																			1	
22	1	SW2	SW5	15.7	3						3												1	
23	1	SW1	SW2	46.1	8						8		1										1	
24	**1**	**SW6**	**SW7**	**25.6**	**5**	**1**					**4**		**1**						**1**				**1**	
25	**1**	**SW6**	**SW7**	**21.3**	**15**	**1**					**6**		**2**									**1**	**1**	
26	1	SW7	SW8	20.0	6						5												2	
27	**1**	**SW8**	**DITCH**	**28.5**	**9**	**1**					**5**					**1**							**3**	

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Project Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
28	1	E	SW7	6.1	1	1											2		1	11		1	1	1
			Total:	440.7	68	10	2										2		1	11		1	37	19

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Cleaning Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	SW3X	SW3	SW2	Handscross Road		S	PVC	Circular 100mm	9.10 m
2	SEC	AX	A	SW3	Handscross Road		S	PVC	Circular 100mm	0.50 m
3	SEC	BX	B	SW3	Handscross Road		S	PVC	Circular 100mm	2.60 m
4	SEC	CX	C	SW3	Handscross Road		S	PVC	Circular 100mm	15.10 m
5	SEC	SW4X	SW4	SW2	Handscross Road		S	PVC	Circular 100mm	1.10 m
6	SEC	DX	D	SW4	Handscross Road		S	PVC	Circular 100mm	11.00 m
7	SEC	RWP1X	RWP1	SW4	Handscross Road		S	PVC	Circular 100mm	8.50 m
8	SEC	RG1X	RG1	SW4	Handscross Road		S	PVC	Circular 100mm	14.00 m
9	SEC	RG2X	RG2	SW5	Handscross Road		S	PVC	Circular 100mm	5.40 m
10	SEC	Treatment X	TREATMENT	SW4	Handscross Road		S	PVC	Circular 100mm	15.20 m
11	SEC	CesspitX	CESSPIT	SW5	Handscross Road		C	PVC	Circular 100mm	32.40 m
12	SEC	IC1X	IC1	IC2	Handscross Road		F	PVC	Circular 100mm	14.10 m
13	SEC	RG3X	RG3	IC2	Handscross Road		F	PVC	Circular 100mm	2.30 m
14	SEC	IC2X	IC2	TREATMENT	Handscross Road		F	PVC	Circular 100mm	43.50 m
15	SEC	RG4X	RG4	MAIN LINE	Handscross Road		S	PVC	Circular 150mm	18.40 m
16	SEC	RG5X	RG5	MAIN LINE	Handscross Road		S	PVC	Circular 150mm	19.20 m
17	SEC	SW9X	SW9	SW10	Handscross Road		S	PVC	Circular 100mm	18.50 m
18	SEC	SW10X	SW10	SW11	Handscross Road		S	PVC	Circular 100mm	12.00 m
19	SEC	RE1X	RE1	SW9	Handscross Road		S	PVC	Circular 100mm	14.20 m
20	SEC	SW11X	SW11	TANK	Handscross Road		S	PVC	Circular 100mm	20.30 m
21	SEC	SW5X	SW5	SW6	Handscross Road		S	PVC	Circular 450mm	14.20 m
22	SEC	SW2X	SW2	SW5	Handscross Road		S	PVC	Circular 450mm	15.70 m
23	SEC	SW1X	SW1	SW2	Handscross Road		S	PVC	Circular 450mm	46.10 m
24	SEC	SW6X	SW6	SW7	Handscross Road		S	PVC	Circular 450mm	25.60 m
25	SEC	SW6X	SW6	SW7	Handscross Road		S	PVC	Circular 450mm	21.30 m
26	SEC	SW7X	SW7	SW8	Handscross Road		S	PVC	Circular 450mm	20.00 m
27	SEC	SW8X	SW8	DITCH	Handscross Road		S	PVC	Circular 450mm	28.50 m
28	SEC	EX	E	SW7	Handscross Road		S	PVC	Circular 300mm	6.10 m
									Total:	**454.90 m**

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Cleaning Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Pipe Summary by Profile

Profile		Total Length	No. Pipes
Circular 100mm		9.10 m	
Circular 100mm		0.50 m	
Circular 100mm		2.60 m	
Circular 100mm		15.10 m	
Circular 100mm		1.10 m	
Circular 100mm		11.00 m	
Circular 100mm		8.50 m	
Circular 100mm		14.00 m	
Circular 100mm		5.40 m	
Circular 100mm		15.20 m	
Circular 100mm		32.40 m	
Circular 100mm		14.10 m	
Circular 100mm		2.30 m	
Circular 100mm		43.50 m	
Circular 100mm		18.50 m	
Circular 100mm		12.00 m	
Circular 100mm		14.20 m	
Circular 100mm		20.30 m	
Circular 100mm	=	239.80 m	18
Circular 150mm		18.40 m	
Circular 150mm		19.20 m	
Circular 150mm	=	37.60 m	2
Circular 300mm		6.10 m	
Circular 300mm	=	6.10 m	1
Circular 450mm		14.20 m	
Circular 450mm		15.70 m	
Circular 450mm		46.10 m	
Circular 450mm		25.60 m	
Circular 450mm		21.30 m	
Circular 450mm		20.00 m	
Circular 450mm		28.50 m	
Circular 450mm	=	171.40 m	7
Total	**=**	**454.90 m**	**28**

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Cleaning Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Cleaning Summary

Pipe No.	Cln. No.	Dir.	Operator	Cln. Date	Cln. Time	Method	Contamination	Scale	No. Clns	Complete	Comments	Cln. Length
1	1	US	Js	16/05/2025	14:17	Z				Yes		9.10 m
2	**1**	**US**	**Js**	**16/05/2025**	**14:31**	**Z**				**No**		**0.50 m**
3	**1**	**US**	**Js**	**16/05/2025**	**14:34**	**Z**				**No**		**2.60 m**
4	**1**	**US**	**Js**	**16/05/2025**	**14:41**	**Z**				**No**		**15.10 m**
5	1	US	Js	16/05/2025	14:54	Z				Yes		1.10 m
6	**1**	**US**	**Js**	**16/05/2025**	**15:01**	**Z**				**No**		**11.00 m**
7	1	US	Js	16/05/2025	15:05	Z				Yes		8.50 m
8	**1**	**US**	**Js**	**16/05/2025**	**15:09**	**Z**				**No**		**14.00 m**
9	1	US	Js	16/05/2025	15:25	Z				Yes		5.40 m
10	1	US	Js	16/05/2025	14:33	Z				Yes		15.20 m
11	**1**	**US**	**Js**	**19/05/2025**	**8:40**	**Z**				**No**		**32.40 m**
12	1	US	Js	16/05/2025	14:39	Z				Yes		14.10 m
13	1	US	Js	16/05/2025	15:45	Z				Yes		2.30 m
14	1	DS	Js	16/05/2025	15:50	Z				Yes		43.50 m
15	1	DS	Js	16/05/2025	15:54	Z				Yes		18.40 m
16	1	DS	Js	19/05/2025	8:58	Z				Yes		19.20 m
17	1	DS	Js	19/05/2025	9:12	Z				Yes		18.50 m
18	1	DS	Js	19/05/2025	9:19	Z				Yes		12.00 m
19	1	US	Js	19/05/2025	8:25	Z				Yes		0.00 m
20	1	DS	Js	19/05/2025	9:33	Z				Yes		20.30 m
21	1	US	Js	19/05/2025	9:40	Z				Yes		14.20 m
22	1	US	Js	19/05/2025	9:51	Z				Yes		15.70 m
23	1	US	Js	19/05/2025	10:01	Z				Yes		46.10 m
24	**1**	**DS**	**Js**	**19/05/2025**	**10:13**	**Z**				**No**		**25.60 m**
25	**1**	**US**	**Js**	**19/05/2025**	**9:23**	**Z**				**No**		**21.30 m**
26	1	DS	Js	19/05/2025	10:33	Z				Yes		20.00 m
27	**1**	**DS**	**Js**	**19/05/2025**	**11:02**	**Z**				**No**		**28.50 m**
28	**1**	**US**	**Js**	**19/05/2025**	**11:22**	**Z**				**No**		**6.10 m**
											Total:	**440.70 m**

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Cleaning Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Cleaning Summary by Profile

Profile		Total Length	No. Cleans
Circular 100mm		9.10 m	
Circular 100mm		0.50 m	
Circular 100mm		2.60 m	
Circular 100mm		15.10 m	
Circular 100mm		1.10 m	
Circular 100mm		11.00 m	
Circular 100mm		8.50 m	
Circular 100mm		14.00 m	
Circular 100mm		5.40 m	
Circular 100mm		15.20 m	
Circular 100mm		32.40 m	
Circular 100mm		14.10 m	
Circular 100mm		2.30 m	
Circular 100mm		43.50 m	
Circular 100mm		18.50 m	
Circular 100mm		12.00 m	
Circular 100mm		0.00 m	
Circular 100mm		20.30 m	
Circular 100mm	=	225.60 m	17
Circular 150mm		18.40 m	
Circular 150mm		19.20 m	
Circular 150mm	=	37.60 m	2
Circular 300mm		6.10 m	
Circular 300mm	=	6.10 m	1
Circular 450mm		14.20 m	
Circular 450mm		15.70 m	
Circular 450mm		46.10 m	
Circular 450mm		25.60 m	
Circular 450mm		21.30 m	
Circular 450mm		20.00 m	
Circular 450mm		28.50 m	
Circular 450mm	=	171.40 m	7
Total	**=**	**440.70 m**	**27**

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Section Profile - 16/05/2025 - SW3X

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Circular, 100 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	SW3	SW2	16/05/2025	Handscross Road	Polyvinyl chloride	9.10 m	9.10 m
2	A	SW3	16/05/2025	Handscross Road	Polyvinyl chloride	0.50 m	0.50 m
3	B	SW3	16/05/2025	Handscross Road	Polyvinyl chloride	2.60 m	2.60 m
4	C	SW3	16/05/2025	Handscross Road	Polyvinyl chloride	15.10 m	15.10 m
5	SW4	SW2	16/05/2025	Handscross Road	Polyvinyl chloride	1.10 m	1.10 m
6	D	SW4	16/05/2025	Handscross Road	Polyvinyl chloride	11.00 m	11.00 m
7	RWP1	SW4	16/05/2025	Handscross Road	Polyvinyl chloride	8.50 m	8.50 m
8	RG1	SW4	16/05/2025	Handscross Road	Polyvinyl chloride	14.00 m	14.00 m
9	RG2	SW5	16/05/2025	Handscross Road	Polyvinyl chloride	5.40 m	5.40 m
10	Treatment	SW4	16/05/2025	Handscross Road	Polyvinyl chloride	15.20 m	15.20 m
11	Cesspit	SW5	19/05/2025	Handscross Road	Polyvinyl chloride	32.40 m	32.40 m
12	IC1	IC2	16/05/2025	Handscross Road	Polyvinyl chloride	14.10 m	14.10 m
13	RG3	IC2	16/05/2025	Handscross Road	Polyvinyl chloride	2.30 m	2.30 m
14	IC2	Treatment	16/05/2025	Handscross Road	Polyvinyl chloride	43.50 m	43.50 m
17	SW9	SW10	19/05/2025	Handscross Road	Polyvinyl chloride	18.50 m	18.50 m
18	SW10	SW11	19/05/2025	Handscross Road	Polyvinyl chloride	12.00 m	12.00 m
19	RE1	SW9	19/05/2025	Handscross Road	Polyvinyl chloride	14.20 m	0.00 m
20	SW11	Tank	19/05/2025	Handscross Road	Polyvinyl chloride	20.30 m	20.30 m

Total: 18 Inspections x Circular 100 mm, 0 mm = 239.80 m Total Length and 225.60 m Inspected Length

Circular, 150 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
15	RG4	Main Line	16/05/2025	Handscross Road	Polyvinyl chloride	18.40 m	18.40 m
16	RG5	Main Line	19/05/2025	Handscross Road	Polyvinyl chloride	19.20 m	19.20 m

Total: 2 Inspections x Circular 150 mm, 0 mm = 37.60 m Total Length and 37.60 m Inspected Length

Circular, 300 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
28	E	SW7	19/05/2025	Handscross Road	Polyvinyl chloride	6.10 m	6.10 m

Total: 1 Inspection x Circular 300 mm, 0 mm = 6.10 m Total Length and 6.10 m Inspected Length

Circular, 450 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
21	SW5	SW6	19/05/2025	Handscross Road	Polyvinyl chloride	14.20 m	14.20 m
22	SW2	SW5	19/05/2025	Handscross Road	Polyvinyl chloride	15.70 m	15.70 m
23	SW1	SW2	19/05/2025	Handscross Road	Polyvinyl chloride	46.10 m	46.10 m
24	SW6	SW7	19/05/2025	Handscross Road	Polyvinyl chloride	25.60 m	25.60 m
25	SW6	SW7	19/05/2025	Handscross Road	Polyvinyl chloride	21.30 m	21.30 m
26	SW7	SW8	19/05/2025	Handscross Road	Polyvinyl chloride	20.00 m	20.00 m
27	SW8	Ditch	19/05/2025	Handscross Road	Polyvinyl chloride	28.50 m	28.50 m

Total: 7 Inspections x Circular 450 mm, 0 mm = 171.40 m Total Length and 171.40 m Inspected Length

Total: 28 Inspections = 454.90 m Total Length and 440.70 m Inspected Length

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

Number of sections	28
Total length of sections	454.90 m
Total length of inspected sections	454.90 m
Total length of not inspected sections	0.00 m
Number of abandoned inspections	10
Number of section inspection photos	177
Number of section inspection videos	28
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	SW3X	**Upstream Node:**	SW3
Inspection Direction:	Upstream	**Downstream Node:**	SW2
Inspected Length:	9.10 m	**Dia/Height:**	100 mm
Total Length:	9.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW2
2	0.00	GP	General photograph taken at this point
3	0.00	GP	General photograph taken at this point
4	0.00	WL	Water level, 0% of the vertical dimension
5	7.80	LL	Line deviates left
6	9.10	MHF	Finish node, manhole, reference: SW3

PLR:	AX	**Upstream Node:**	A
Inspection Direction:	Upstream	**Downstream Node:**	SW3
Inspected Length:	0.50 m	**Dia/Height:**	100 mm
Total Length:	0.50 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW3
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	D	Deformed sewer or drain, 70%
4	0.50	SA	Survey abandoned

PLR:	BX	**Upstream Node:**	B
Inspection Direction:	Upstream	**Downstream Node:**	SW3
Inspected Length:	2.60 m	**Dia/Height:**	100 mm
Total Length:	2.60 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW3

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LL	Line deviates left
4	1.80	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss
5	2.50	DEC	Settled deposits, hard or compacted, 85% cross-sectional area loss
6	2.60	SA	Survey abandoned

PLR:	CX	**Upstream Node:**	C
Inspection Direction:	Upstream	**Downstream Node:**	SW3
Inspected Length:	15.10 m	**Dia/Height:**	100 mm
Total Length:	15.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW3
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	2.00	DES	Settled deposits, fine, 30% cross-sectional area loss
5	3.10	D	Deformed sewer or drain, 25%
6	10.00	DES	Settled deposits, fine, 35% cross-sectional area loss
7	10.00	RF	Roots, fine
8	13.50	DES	Settled deposits, fine, 25% cross-sectional area loss
9	15.00	RF	Roots, fine
10	15.00	DES	Settled deposits, fine, 75% cross-sectional area loss
11	15.10	SA	Survey abandoned

PLR:	SW4X	**Upstream Node:**	SW4
Inspection Direction:	Upstream	**Downstream Node:**	SW2
Inspected Length:	1.10 m	**Dia/Height:**	100 mm
Total Length:	1.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW2
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.10	MHF	Finish node, manhole, reference: SW4

PLR:	DX	**Upstream Node:**	D
Inspection Direction:	Upstream	**Downstream Node:**	SW4
Inspected Length:	11.00 m	**Dia/Height:**	100 mm
Total Length:	11.00 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4
2	0.00	GP	General photograph taken at this point
3	0.00	WL	Water level, 0% of the vertical dimension
4	9.20	DEC	Settled deposits, hard or compacted, 35% cross-sectional area loss
5	10.90	XP	Collapsed drain or sewer, 60% cross-sectional area loss
6	11.00	SA	Survey abandoned

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

PLR:	RWP1X	**Upstream Node:**	RWP1
Inspection Direction:	Upstream	**Downstream Node:**	SW4
Inspected Length:	8.50 m	**Dia/Height:**	100 mm
Total Length:	8.50 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	8.00	JN	Junction at 9 o'clock, 100mm dia
5	8.20	LU	Line deviates up
6	8.50	MHF	Finish node, manhole, reference: RWP1

PLR:	RG1X	**Upstream Node:**	RG1
Inspection Direction:	Upstream	**Downstream Node:**	SW4
Inspected Length:	14.00 m	**Dia/Height:**	100 mm
Total Length:	14.00 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.80	LR	Line deviates right
4	9.50	DES	Settled deposits, fine, 15% cross-sectional area loss
5	10.50	DES	Settled deposits, fine, 35% cross-sectional area loss
6	12.60	LR	Line deviates right
7	13.90	JN	Junction at 9 o'clock, 100mm dia
8	13.90	DES	Settled deposits, fine, 75% cross-sectional area loss
9	14.00	SA	Survey abandoned

PLR:	RG2X	**Upstream Node:**	RG2
Inspection Direction:	Upstream	**Downstream Node:**	SW5
Inspected Length:	5.40 m	**Dia/Height:**	100 mm
Total Length:	5.40 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW5
2	0.00	GP	General photograph taken at this point
3	0.00	WL	Water level, 0% of the vertical dimension
4	5.40	MHF	Finish node, manhole, reference: RG2

PLR:	Treatment X	**Upstream Node:**	Treatment
Inspection Direction:	Upstream	**Downstream Node:**	SW4
Inspected Length:	15.20 m	**Dia/Height:**	100 mm
Total Length:	15.20 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW4
2	0.00	GP	General photograph taken at this point
3	0.00	GP	General photograph taken at this point
4	0.00	WL	Water level, 0% of the vertical dimension

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

No.	m+	Code	Observation
5	8.80	LL	Line deviates left
6	10.80	LR	Line deviates right
7	15.20	MHF	Finish node, manhole, reference: Treatment

PLR:	CesspitX	**Upstream Node:**	Cesspit
Inspection Direction:	Upstream	**Downstream Node:**	SW5
Inspected Length:	32.40 m	**Dia/Height:**	100 mm
Total Length:	32.40 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW5
2	0.00	GP	General photograph taken at this point
3	0.00	WL	Water level, 0% of the vertical dimension
4	4.00	D	Deformed sewer or drain, 25%
5	7.40	JDL	Joint displaced, large
6	24.20	D	Deformed sewer or drain, 15%
7	32.30	DEC	Settled deposits, hard or compacted, 80% cross-sectional area loss
8	32.40	SA	Survey abandoned

PLR:	IC1X	**Upstream Node:**	IC1
Inspection Direction:	Upstream	**Downstream Node:**	IC2
Inspected Length:	14.10 m	**Dia/Height:**	100 mm
Total Length:	14.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: FW2
2	0.00	GP	General photograph taken at this point
3	0.00	GP	General photograph taken at this point
4	0.00	WL	Water level, 0% of the vertical dimension
5	8.10	LL	Line deviates left
6	14.10	MHF	Finish node, manhole, reference: IC1

PLR:	RG3X	**Upstream Node:**	RG3
Inspection Direction:	Upstream	**Downstream Node:**	IC2
Inspected Length:	2.30 m	**Dia/Height:**	100 mm
Total Length:	2.30 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: IC2
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.30	MHF	Finish node, manhole, reference: RG3

PLR:	IC2X	**Upstream Node:**	IC2
Inspection Direction:	Downstream	**Downstream Node:**	Treatment
Inspected Length:	43.50 m	**Dia/Height:**	100 mm
Total Length:	43.50 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: IC2
2	0.00	WL	Water level, 0% of the vertical dimension

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

No.	m+	Code	Observation
3	43.30	GP	General photograph taken at this point
4	43.40	GP	General photograph taken at this point
5	43.50	MHF	Finish node, manhole, reference: Treatment

PLR:	RG4X	**Upstream Node:**	RG4
Inspection Direction:	Downstream	**Downstream Node:**	Main Line
Inspected Length:	18.40 m	**Dia/Height:**	150 mm
Total Length:	18.40 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: RG4
2	0.00	GP	General photograph taken at this point
3	0.10	LD	Line deviates down
4	0.10	WL	Water level, 0% of the vertical dimension
5	0.80	GP	General photograph taken at this point
6	16.10	JN	Junction at 9 o'clock, 150mm dia
7	17.50	LR	Line deviates right
8	18.00	LD	Line deviates down
9	18.30	GP	General photograph taken at this point
10	18.40	MHF	Finish node, manhole, reference: Main Line

PLR:	RG5X	**Upstream Node:**	RG5
Inspection Direction:	Downstream	**Downstream Node:**	Main Line
Inspected Length:	19.20 m	**Dia/Height:**	150 mm
Total Length:	19.20 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: RG5
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.00	DES	Settled deposits, fine, 35% cross-sectional area loss
4	6.60	DES	Settled deposits, fine, 25% cross-sectional area loss
5	9.50	DES	Settled deposits, fine, 5% cross-sectional area loss
6	11.00	LR	Line deviates right
7	18.40	JN	Junction at 3 o'clock, 150mm dia
8	19.00	LD	Line deviates down
9	19.20	MHF	Finish node, manhole, reference: Main Line

PLR:	SW9X	**Upstream Node:**	SW9
Inspection Direction:	Downstream	**Downstream Node:**	SW10
Inspected Length:	18.50 m	**Dia/Height:**	100 mm
Total Length:	18.50 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW9
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.50	DES	Settled deposits, fine, 10% cross-sectional area loss
4	5.00	WL	Water level, 25% of the vertical dimension
5	6.20	JN	Junction at 3 o'clock, 100mm dia

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

No.	m+	Code	Observation
6	9.70	D	Deformed sewer or drain, 10%
7	10.20	WL	Water level, 30% of the vertical dimension
8	14.80	WL	Water level, 85% of the vertical dimension
9	15.20	CUW	Loss of vision, camera under water
10	17.50	WL	Water level, 10% of the vertical dimension
11	18.50	MHF	Finish node, manhole, reference: SW10

PLR:	SW10X	**Upstream Node:**	SW10
Inspection Direction:	Downstream	**Downstream Node:**	SW11
Inspected Length:	12.00 m	**Dia/Height:**	100 mm
Total Length:	12.00 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW10
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LL	Line deviates left
4	5.40	WL	Water level, 20% of the vertical dimension
5	9.00	CUW	Loss of vision, camera under water
6	11.00	WL	Water level, 10% of the vertical dimension
7	12.00	MHF	Finish node, manhole, reference: SW11

PLR:	RE1X	**Upstream Node:**	RE1
Inspection Direction:	Upstream	**Downstream Node:**	SW9
Inspected Length:		**Dia/Height:**	100 mm
Total Length:	14.20 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW9
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.50	JDL	Joint displaced, large
4	13.60	JN	Junction at 12 o'clock, 100mm dia
5	13.80	LU	Line deviates up
6	14.20	MHF	Finish node, manhole, reference: RE1

PLR:	SW11X	**Upstream Node:**	SW11
Inspection Direction:	Downstream	**Downstream Node:**	Tank
Inspected Length:	20.30 m	**Dia/Height:**	100 mm
Total Length:	20.30 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW11
2	0.00	GP	General photograph taken at this point
3	0.00	WL	Water level, 0% of the vertical dimension
4	6.00	LL	Line deviates left
5	20.20	GP	General photograph taken at this point
6	20.30	MHF	Finish node, manhole, reference: Tank

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

PLR:	SW5X	**Upstream Node:**	SW5
Inspection Direction:	Upstream	**Downstream Node:**	SW6
Inspected Length:	14.20 m	**Dia/Height:**	450 mm
Total Length:	14.20 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW6
2	0.00	WL	Water level, 0% of the vertical dimension
3	14.00	CN	Connection other than junction at 12 o'clock, 100mm dia
4	14.10	GP	General photograph taken at this point
5	14.20	MHF	Finish node, manhole, reference: SW5

PLR:	SW2X	**Upstream Node:**	SW2
Inspection Direction:	Upstream	**Downstream Node:**	SW5
Inspected Length:	15.70 m	**Dia/Height:**	450 mm
Total Length:	15.70 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW5
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.00	D	Deformed sewer or drain, 15%
4	9.50	D	Deformed sewer or drain, 20%
5	11.50	D	Deformed sewer or drain, 25%
6	15.70	GP	General photograph taken at this point
7	15.70	MHF	Finish node, manhole, reference: SW2

PLR:	SW1X	**Upstream Node:**	SW1
Inspection Direction:	Upstream	**Downstream Node:**	SW2
Inspected Length:	46.10 m	**Dia/Height:**	450 mm
Total Length:	46.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW2
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	D	Deformed sewer or drain, 15%
4	3.50	D	Deformed sewer or drain, 20%
5	10.00	D	Deformed sewer or drain, 20%
6	11.30	H	Hole in drain or sewer from 6 o'clock to 7 o'clock
7	15.80	D	Deformed sewer or drain, 15%
8	27.50	D	Deformed sewer or drain, 15%
9	33.50	D	Deformed sewer or drain, 30%
10	39.50	D	Deformed sewer or drain, 35%
11	43.50	D	Deformed sewer or drain, 20%
12	46.10	GP	General photograph taken at this point
13	46.10	MHF	Finish node, manhole, reference: SW1

PLR:	SW6X	**Upstream Node:**	SW6
Inspection Direction:	Downstream	**Downstream Node:**	SW7
Inspected Length:	25.60 m	**Dia/Height:**	450 mm
Total Length:	25.60 m	**Material:**	Polyvinyl chloride

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW6
2	0.00	WL	Water level, 0% of the vertical dimension
3	4.80	D	Deformed sewer or drain, 10%
4	6.70	DEE	Attached deposits, encrustation from 9 o'clock to 12 o'clock, 20% cross-sectional area loss
5	6.80	CN	Connection other than junction at 11 o'clock, 100mm dia
6	6.90	CN	Connection other than junction at 12 o'clock, 100mm dia
7	21.00	D	Deformed sewer or drain, 20%
8	23.50	D	Deformed sewer or drain, 20%
9	25.50	H	Hole in drain or sewer from 6 o'clock to 1 o'clock
10	25.50	D	Deformed sewer or drain, 25%
11	25.60	SA	Survey abandoned

PLR:	SW6X	**Upstream Node:**	SW6
Inspection Direction:	Upstream	**Downstream Node:**	SW7
Inspected Length:	21.30 m	**Dia/Height:**	450 mm
Total Length:	21.30 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW7
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.00	OBB	Other obstacles, brick or masonry in invert from 5 o'clock to 7 o'clock, 25% cross-sectional area loss
4	6.80	D	Deformed sewer or drain, 40%
5	7.50	D	Deformed sewer or drain, 45%
6	10.60	D	Deformed sewer or drain, 30%
7	12.00	H	Hole in drain or sewer from 2 o'clock to 4 o'clock
8	15.00	D	Deformed sewer or drain, 40%
9	20.00	D	Deformed sewer or drain, 35%
10	21.00	D	Deformed sewer or drain, 45%
11	21.20	H	Hole in drain or sewer from 4 o'clock to 6 o'clock
12	21.30	SA	Survey abandoned

PLR:	SW7X	**Upstream Node:**	SW7
Inspection Direction:	Downstream	**Downstream Node:**	SW8
Inspected Length:	20.00 m	**Dia/Height:**	450 mm
Total Length:	20.00 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW7
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.00	D	Deformed sewer or drain, 15%
4	4.00	D	Deformed sewer or drain, 40%
5	8.20	WL	Water level, 20% of the vertical dimension
6	10.00	D	Deformed sewer or drain, 25%
7	11.20	D	Deformed sewer or drain, 15%
8	16.40	D	Deformed sewer or drain, 40%
9	17.50	GP	General photograph taken at this point
10	20.00	MHF	Finish node, manhole, reference: SW8

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Section Summary

Project Name	Project Number	Project Date
Stone House Farm		16/05/2025

PLR:	SW8X	**Upstream Node:**	SW8
Inspection Direction:	Downstream	**Downstream Node:**	Ditch
Inspected Length:	28.50 m	**Dia/Height:**	450 mm
Total Length:	28.50 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW8
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	GP	General photograph taken at this point
4	2.00	D	Deformed sewer or drain, 25%, start
5	3.40	D	Deformed sewer or drain, 40%
6	4.00	OJM	Open joint, medium
7	4.00	D	Deformed sewer or drain, 45%
8	6.80	D	Deformed sewer or drain, 20%
9	12.80	WL	Water level, 30% of the vertical dimension
10	20.00	D	Deformed sewer or drain, 35%
11	28.00	WL	Water level, 30% of the vertical dimension
12	28.50	SA	Survey abandoned

PLR:	EX	**Upstream Node:**	E
Inspection Direction:	Upstream	**Downstream Node:**	SW7
Inspected Length:	6.10 m	**Dia/Height:**	300 mm
Total Length:	6.10 m	**Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SW7
2	0.00	GP	General photograph taken at this point
3	0.00	GP	General photograph taken at this point
4	0.00	WL	Water level, 0% of the vertical dimension
5	0.50	LL	Line deviates left
6	6.00	GP	General photograph taken at this point
7	6.00	DEC	Settled deposits, hard or compacted, 95% cross-sectional area loss
8	6.10	SA	Survey abandoned

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	16/05/25	14:17	Not Specified	No Rain Or Snow	Unknown	SW3X

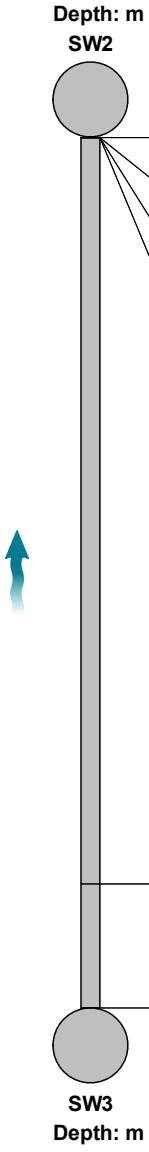
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW3
Road:	Handscross Road	**Inspected Length:**	9.10 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	9.10 m	**Downstream Node:**	SW2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:79



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW2	00:00:13		
0.00	GP	General photograph taken at this point: made access point	00:00:13		
0.00	GP	General photograph taken at this point: view inside Sw2	00:00:13		
0.00	WL	Water level, 0% of the vertical dimension	00:00:18		
7.80	LL	Line deviates left: sharp bend	00:00:49		
9.10	MHF	Finish node, manhole, reference: SW3	00:00:56		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - SW3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Upstream	SW3X		

46668ed9-4d1c-4c8f-907c-89b150906e0d.png, 00:00:13, 0.00 m
General photograph taken at this point, made access point

ae2f1d22-a91a-4ca1-a6ed-19b2359afbcc.png, 00:00:13, 0.00 m
General photograph taken at this point, view inside Sw2

73b6ee07-c7c2-4a89-be2a-f421b2e2f899.png, 00:00:18, 0.00 m
Water level, 0% of the vertical dimension

edb0e9d7-24cd-42c5-b9f3-e5be8a7f537c.png, 00:00:49, 7.80 m
Line deviates left, sharp bend

8cd59c98-ce89-43d3-9a79-fdb68519d2ae.png, 00:00:56, 9.10 m
Finish node, manhole, reference: SW3

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	16/05/25	14:31	Not Specified	No Rain Or Snow	Unknown	AX

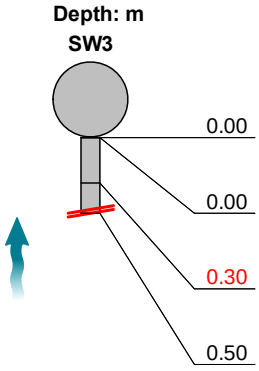
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	A
Road:	Handscross Road	**Inspected Length:**	0.50 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	0.50 m	**Downstream Node:**	SW3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW3	00:00:02		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.30	D	Deformed sewer or drain, 70%	00:00:05		5 / 4
0.50	SA	Survey abandoned: crushed pipe work	00:00:28		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	330.0	165.0	5.0	1	8.0	16.0	8.0	5.0

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Section Pictures - 16/05/2025 - AX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Upstream	AX		

9c04df1f-4bbd-4c25-9130-f39dbd9333ec.png, 00:00:02, 0.00 m
Water level, 0% of the vertical dimension

b15bddbd-8303-4808-901c-9ff6eea155cc.png, 00:00:05, 0.30 m
Deformed sewer or drain, 70%

7f5fed46-c9d2-4481-a70f-404c7437758f.png, 00:00:28, 0.50 m
Survey abandoned, crushed pipe work

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Abandoned section inspection

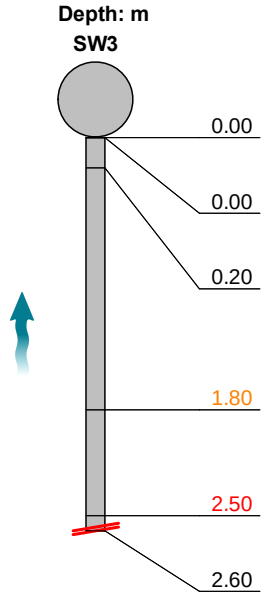
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	16/05/25	14:34	Not Specified	No Rain Or Snow	Unknown	BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	B
Road:	Handscross Road	**Inspected Length:**	2.60 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	2.60 m	**Downstream Node:**	SW3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW3: french pipe work	00:00:02		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.20	LL	Line deviates left: slight bend	00:00:02		
1.80	DEC	Settled deposits, hard or compacted, 25% cross-sectional area loss	00:00:13		4
2.50	DEC	Settled deposits, hard or compacted, 85% cross-sectional area loss	00:00:18		5
2.60	SA	Survey abandoned: debris obstruction	00:00:34		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	10.0	5.8	15.0	5.0

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Section Pictures - 16/05/2025 - BX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	BX		

666a5ba8-8ab3-4e91-999d-7605bf7f9a97.png, 00:00:02, 0.00 m
Water level, 0% of the vertical dimension

835b38c7-f6be-4f9a-bd41-927da3a1b33a.png, 00:00:13, 1.80 m
Settled deposits, hard or compacted, 25% cross-sectional area

6d72067e-e336-47ff-b0fc-3b5edaefdc7d.png, 00:00:18, 2.50 m
Settled deposits, hard or compacted, 85% cross-sectional area

4a59a6f4-f902-4ad8-a4dc-1fd9c0eb0ec5.png, 00:00:34, 2.60 m
Survey abandoned, debris obstruction

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	16/05/25	14:41	Not Specified	No Rain Or Snow	Unknown	CX

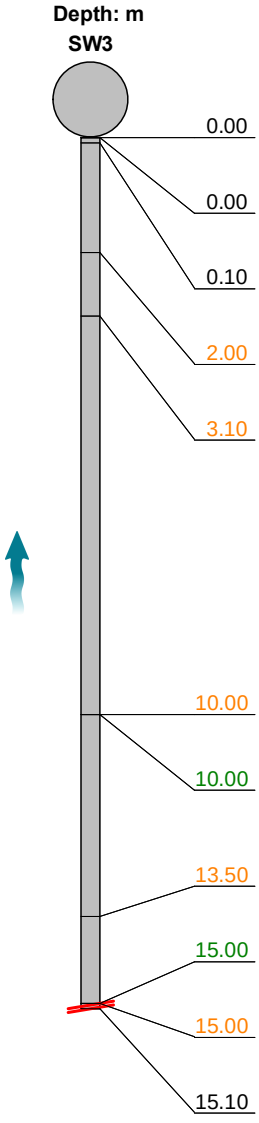
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	C
Road:	Handscross Road	**Inspected Length:**	15.10 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	15.10 m	**Downstream Node:**	SW3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:131



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW3	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:11		
0.10	LL	Line deviates left: sharp bend	00:00:11		
2.00	DES	Settled deposits, fine, 30% cross-sectional area loss	00:01:19		4
3.10	D	Deformed sewer or drain, 25%	00:01:29		4 / 4
10.00	DES	Settled deposits, fine, 35% cross-sectional area loss	00:02:10		4
10.00	RF	Roots, fine	00:02:14		2
13.50	DES	Settled deposits, fine, 25% cross-sectional area loss	00:02:38		4
15.00	RF	Roots, fine	00:02:48		2
15.00	DES	Settled deposits, fine, 75% cross-sectional area loss	00:02:48		4
15.10	SA	Survey abandoned: debris obstruction	00:02:48		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	5.3	80.0	4.0	7	9.0	2.0	30.0	4.0

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Section Pictures - 16/05/2025 - CX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Upstream	CX		

a33edf51-3d11-416c-8818-228046d3f184.png, 00:00:11, 0.00 m
Water level, 0% of the vertical dimension

dca98030-e1be-4a14-a5d0-54d0d1180ac0.png, 00:01:19, 2.00 m
Settled deposits, fine, 30% cross-sectional area loss

84295523-ce29-40a8-9813-9c39902b9e3a.png, 00:01:29, 3.10 m
Deformed sewer or drain, 25%

c59c8a99-3d8d-47ac-a172-5cc1ea747f80.png, 00:02:10, 10.00 m
Settled deposits, fine, 35% cross-sectional area loss

a70a279f-ceb2-420e-978b-bc702a278f05.png, 00:02:38, 13.50 m
Settled deposits, fine, 25% cross-sectional area loss

f64ad6e1-52d5-4d0f-800e-38beb7f7f107.png, 00:02:48, 15.00 m
Settled deposits, fine, 75% cross-sectional area loss

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Section Pictures - 16/05/2025 - CX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Upstream	CX		

819b807c-689e-491f-bb7b-963ba54b8d0a.png, 00:02:48, 15.10 m
Survey abandoned, debris obstruction

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	16/05/25	14:54	Not Specified	No Rain Or Snow	Unknown	SW4X

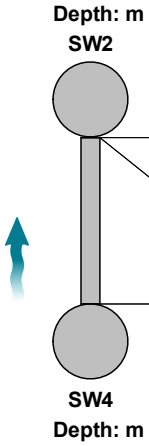
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW4
Road:	Handscross Road	**Inspected Length:**	1.10 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	1.10 m	**Downstream Node:**	SW2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
1.10	MHF	Finish node, manhole, reference: SW4	00:00:10		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - SW4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
5	Upstream	SW4X		

81fbaaa7-1310-41eb-840e-6fd341cb21da.png, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension

a06e13b1-bc39-4c05-944c-8ee73d402092.png, 00:00:10, 1.10 m
Finish node, manhole, reference: SW4

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Abandoned section inspection

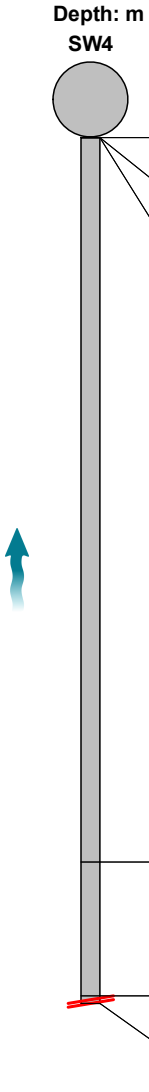
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	16/05/25	15:01	Not Specified	No Rain Or Snow	Unknown	DX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	D
Road:	Handscross Road	**Inspected Length:**	11.00 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	11.00 m	**Downstream Node:**	SW4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:96 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW4	00:00:03		
0.00	GP	General photograph taken at this point: view inside SW4	00:00:03		
0.00	WL	Water level, 0% of the vertical dimension	00:00:14		
9.20	DEC	Settled deposits, hard or compacted, 35% cross-sectional area loss	00:00:46		4
10.90	XP	Collapsed drain or sewer, 60% cross-sectional area loss	00:00:59		5
11.00	SA	Survey abandoned: collapsed section	00:01:08		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	15.0	165.0	5.0	1	5.0	0.5	5.0	4.0

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Section Pictures - 16/05/2025 - DX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
6	Upstream	DX		

a90c403a-ee67-42ac-90bb-e6ab22e091c6.png, 00:00:03, 0.00 m
General photograph taken at this point, view inside SW4

78b60777-39cb-4b18-ad8b-349360e5e6b1.png, 00:00:14, 0.00 m
Water level, 0% of the vertical dimension

4c9632a1-4518-4374-a5dc-75610a9f7e24.png, 00:00:46, 9.20 m
Settled deposits, hard or compacted, 35% cross-sectional area

c19ceabc-0628-4737-b781-f91ebf0a50a5.png, 00:00:59, 10.90 m
Collapsed drain or sewer, 60% cross-sectional area loss

2dccd79e-b8e8-4557-a289-97de27cf7ded.png, 00:01:08, 11.00 m
Survey abandoned, collapsed section

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	16/05/25	15:05	Not Specified	No Rain Or Snow	Unknown	RWP1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	RWP1
Road:	Handscross Road	**Inspected Length:**	8.50 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	8.50 m	**Downstream Node:**	SW4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:74

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW4	00:00:05		
0.00	WL	Water level, 0% of the vertical dimension	00:00:05		
0.10	LR	Line deviates right: sharp bend	00:00:05		
8.00	JN	Junction at 9 o'clock, 100mm dia	00:00:39		
8.20	LU	Line deviates up: sharp bend	00:00:49		
8.50	MHF	Finish node, manhole, reference: RWP1	00:00:55		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - RWP1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
7	Upstream	RWP1X		

54c99dd7-19fe-405b-a8c0-be78ec2792ec.png, 00:00:05, 0.00 m
Water level, 0% of the vertical dimension

0dc15830-0d59-4899-b36b-c25cdf0edc50.png, 00:00:05, 0.10 m
Line deviates right, sharp bend

b22dbcfc-1adf-45ca-8671-de74928e2285.png, 00:00:39, 8.00 m
Junction at 9 o'clock, 100mm dia

bb32d21f-86b6-45cb-a0d6-7ec9c6d4cc44.png, 00:00:49, 8.20 m
Line deviates up, sharp bend

6f18281f-7580-467c-8a60-30a9ceb9151b.png, 00:00:55, 8.50 m
Finish node, manhole, reference: RWP1

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	16/05/25	15:09	Not Specified	No Rain Or Snow	Unknown	RG1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	RG1
Road:	Handscross Road	**Inspected Length:**	14.00 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	14.00 m	**Downstream Node:**	SW4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:122

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW4	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
2.80	LR	Line deviates right: sharp bend	00:00:27		
9.50	DES	Settled deposits, fine, 15% cross-sectional area loss	00:00:55		3
10.50	DES	Settled deposits, fine, 35% cross-sectional area loss	00:01:00		4
12.60	LR	Line deviates right: slight bend	00:01:15		
13.90	JN	Junction at 9 o'clock, 100mm dia	00:01:30		
13.90	DES	Settled deposits, fine, 75% cross-sectional area loss	00:01:32		4
14.00	SA	Survey abandoned: debris obstruction	00:01:33		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	8.0	1.1	15.0	4.0

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Section Pictures - 16/05/2025 - RG1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Upstream	RG1X		

b9172ff6-179b-416d-a0d9-0568803e8810.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension

c6df7ac7-7095-4b52-9d8e-33ebe6494b99.png, 00:00:27, 2.80 m
Line deviates right, sharp bend

2ab5d600-9a1d-46c3-a873-602e37d11ab2.png, 00:00:55, 9.50 m
Settled deposits, fine, 15% cross-sectional area loss

0ca2e561-c63c-458b-8709-cf1c4edc344b.png, 00:01:00, 10.50 m
Settled deposits, fine, 35% cross-sectional area loss

fa71ebab-18c4-46f3-b8ff-2e5fb793affe.png, 00:01:15, 12.60 m
Line deviates right, slight bend

cbac232b-0b38-4eac-9b9e-f588feb15acc.png, 00:01:30, 13.90 m
Junction at 9 o'clock, 100mm dia

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Section Pictures - 16/05/2025 - RG1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Upstream	RG1X		

63375fa2-12a7-4fbd-8ee4-0261bc4a921a.png, 00:01:33, 14.00 m
Survey abandoned, debris obstruction

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	16/05/25	15:25	Not Specified	No Rain Or Snow	Unknown	RG2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	RG2
Road:	Handscross Road	**Inspected Length:**	5.40 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	5.40 m	**Downstream Node:**	SW5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m SW5						
	0.00	MH	Start node, manhole, reference: SW5	00:00:05		
	0.00	GP	General photograph taken at this point: made access point	00:00:05		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:14		
	5.40	MHF	Finish node, manhole, reference: RG2: road gully trap	00:00:37		
RG2 Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - RG2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Upstream	RG2X		

eb0baf02-15f9-460f-8bfd-586a31e5da9d.png, 00:00:05, 0.00 m
General photograph taken at this point, made access point

6574f32d-77a6-420a-b421-aff95c096112.png, 00:00:14, 0.00 m
Water level, 0% of the vertical dimension

d02463fe-43d0-4476-b2cc-62d9538a1aa3.png, 00:00:37, 5.40 m
Finish node, manhole, reference: RG2, road gully trap

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	16/05/25	14:33	Not Specified	No Rain Or Snow	Unknown	TREATMENT X

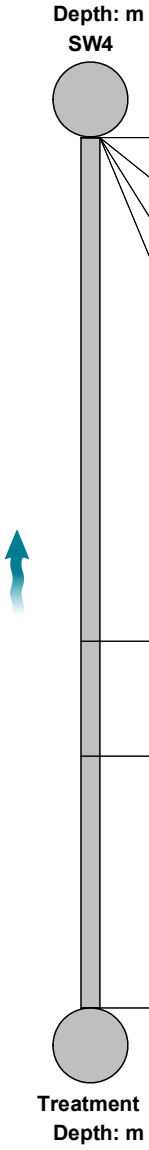
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	TREATMENT
Road:	Handscross Road	**Inspected Length:**	15.20 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	15.20 m	**Downstream Node:**	SW4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:132



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW4	00:00:03		
0.00	GP	General photograph taken at this point: view inside SW4	00:00:03		
0.00	GP	General photograph taken at this point: made access points	00:00:04		
0.00	WL	Water level, 0% of the vertical dimension	00:00:32		
8.80	LL	Line deviates left: slight bend	00:01:14		
10.80	LR	Line deviates right: sharp bend	00:01:25		
15.20	MHF	Finish node, manhole, reference: Treatment: treatment plant	00:01:48		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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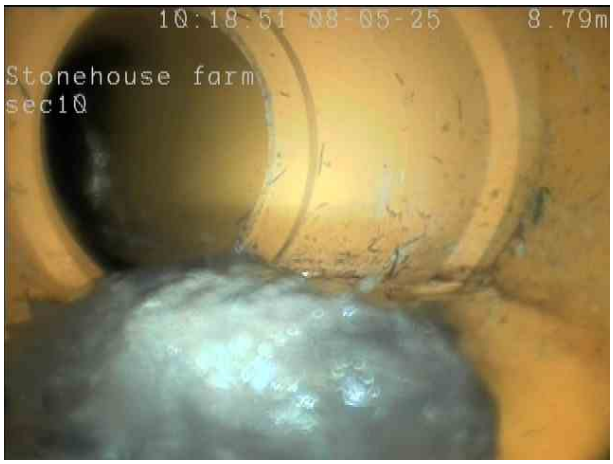
Section Pictures - 16/05/2025 - Treatment X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Upstream	TREATMENT X		

a9477198-61da-43f5-82be-77692c194b54.png, 00:00:03, 0.00 m
General photograph taken at this point, view inside SW4

9895c760-5936-41cf-acd4-6a03fdb22cb9.png, 00:00:04, 0.00 m
General photograph taken at this point, made access points

65b5d9cc-dbd8-47d0-89e8-dec4319d8590.png, 00:00:32, 0.00 m
Water level, 0% of the vertical dimension



52e9b5c7-4f4f-4ef3-a63f-0c8dcc5131c3.png, 00:01:14, 8.80 m
Line deviates left, slight bend

f0609548-99ac-4c03-9636-b615f9ce0f6d.png, 00:01:25, 10.80 m
Line deviates right, sharp bend

91ae4891-39d8-4e92-af37-ebf18bc86311.png, 00:01:48, 15.20 m
Finish node, manhole, reference: Treatment, treatment plant

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	19/05/25	8:40	Not Specified	No Rain Or Snow	Unknown	CESSPITX

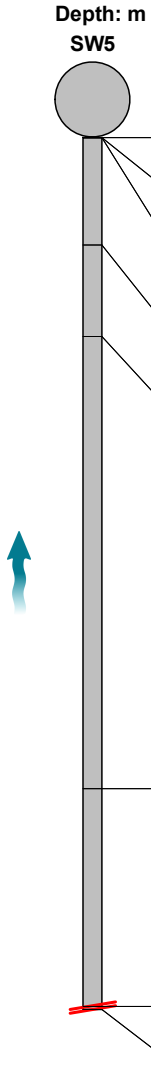
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	CESSPIT
Road:	Handscross Road	**Inspected Length:**	32.40 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	32.40 m	**Downstream Node:**	SW5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:281



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW5	00:00:01		
0.00	GP	General photograph taken at this point: view inside SW5	00:00:05		
0.00	WL	Water level, 0% of the vertical dimension	00:00:17		
4.00	D	Deformed sewer or drain, 25%	00:00:24		4 / 4
7.40	JDL	Joint displaced, large: deformed joint	00:00:36		1 / 4
24.20	D	Deformed sewer or drain, 15%	00:01:21		3 / 3
32.30	DEC	Settled deposits, hard or compacted, 80% cross-sectional area loss	00:01:42		5
32.40	SA	Survey abandoned: debris obstruction	00:01:44		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	80.0	3.8	122.0	4.0	4	10.0	0.7	22.0	5.0

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Section Pictures - 19/05/2025 - CesspitX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	CESSPITX		

4235433e-25fd-465f-9f6f-1c321ba6a238.png, 00:00:05, 0.00 m
General photograph taken at this point, view inside SW5

0241b421-8e03-4b3f-9c7e-f34109e9300f.png, 00:00:17, 0.00 m
Water level, 0% of the vertical dimension

dbed75ed-dead-4e9e-ba63-33eb17ea6fe5.png, 00:00:24, 4.00 m
Deformed sewer or drain, 25%

4f103868-4728-490e-867e-aaa01b8f68e8.png, 00:00:36, 7.40 m
Joint displaced, large, deformed joint

a80de13a-dc00-483e-9b67-3f425435d914.png, 00:01:21, 24.20 m
Deformed sewer or drain, 15%

4bada9ca-88ca-462b-9a97-4f41cd643b6f.png, 00:01:42, 32.30 m
Settled deposits, hard or compacted, 80% cross-sectional area

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Section Pictures - 19/05/2025 - CesspitX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	CESSPITX		

209887a2-9fdd-4a6a-a547-5d29e5b2e739.png, 00:01:44, 32.40 m
Survey abandoned, debris obstruction

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	16/05/25	14:39	Not Specified	No Rain Or Snow	Unknown	IC1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	IC1
Road:	Handscross Road	**Inspected Length:**	14.10 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	14.10 m	**Downstream Node:**	IC2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:123

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: FW2	00:00:01		
0.00	GP	General photograph taken at this point: over view of area	00:00:04		
0.00	GP	General photograph taken at this point: view inside IC2	00:00:10		
0.00	WL	Water level, 0% of the vertical dimension	00:00:18		
8.10	LL	Line deviates left: slight bend	00:00:48		
14.10	MHF	Finish node, manhole, reference: IC1	00:01:09		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - IC1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	IC1X		

47dbdeb6-37ea-4b2e-8b07-884241e5716d.png, 00:00:04, 0.00 m
General photograph taken at this point, over view of area

5ce870b8-2bc0-420c-85ab-5562e73e1348.png, 00:00:10, 0.00 m
General photograph taken at this point, view inside IC2

30cc5fdd-8911-488e-ae43-b515f020fc88.png, 00:00:18, 0.00 m
Water level, 0% of the vertical dimension

d35208cb-a27a-487c-9eb5-d7995d4ef68d.png, 00:00:48, 8.10 m
Line deviates left, slight bend

3b8d2f7e-f4c8-4dc8-a665-91bbf0828e6b.png, 00:01:09, 14.10 m
Finish node, manhole, reference: IC1

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	16/05/25	15:45	Not Specified	No Rain Or Snow	Unknown	RG3X

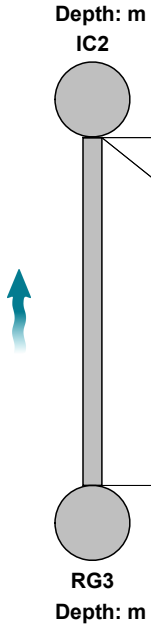
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	RG3
Road:	Handscross Road	**Inspected Length:**	2.30 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	2.30 m	**Downstream Node:**	IC2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IC2	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
2.30	MHF	Finish node, manhole, reference: RG3: gully trap view	00:00:32		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - RG3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Upstream	RG3X		

77626338-7648-4972-9105-60bbfd67601d.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension

d97c4add-5454-4584-9c9a-85b0d09ce696.png, 00:00:32, 2.30 m
Finish node, manhole, reference: RG3, gully trap view

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	16/05/25	15:50	Not Specified	No Rain Or Snow	Unknown	IC2X

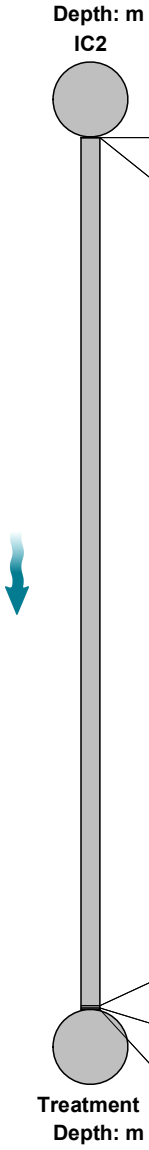
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	IC2
Road:	Handscross Road	**Inspected Length:**	43.50 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	43.50 m	**Downstream Node:**	TREATMENT
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:377



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IC2	00:00:02		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
43.30	GP	General photograph taken at this point: bobbles	00:01:41		
43.40	GP	General photograph taken at this point: dipper pipe	00:01:55		
43.50	MHF	Finish node, manhole, reference: Treatment: dipper of tank	00:01:55		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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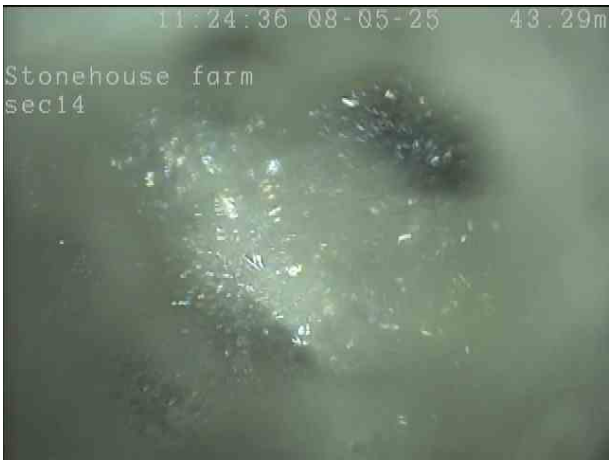
Section Pictures - 16/05/2025 - IC2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
14	Downstream	IC2X		

11b3756f-eb13-43c2-b5aa-bb52bfa3e648.png, 00:00:02, 0.00 m
Water level, 0% of the vertical dimension

155fa989-c6c2-4a9e-ba4f-7c505c223fd2.png, 00:01:41, 43.30 m
General photograph taken at this point, bobbles



36689247-d1ad-422f-a801-0df125bb5949.png, 00:01:55, 43.50 m
Finish node, manhole, reference: Treatment, dipper of tank

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	16/05/25	15:54	Not Specified	No Rain Or Snow	Unknown	RG4X

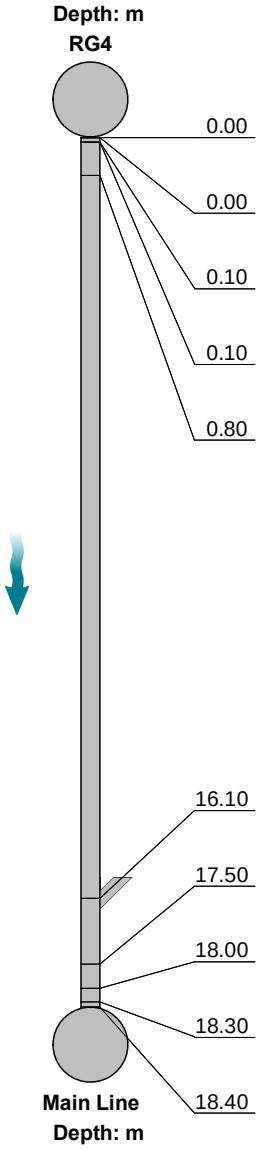
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	RG4
Road:	Handscross Road	**Inspected Length:**	18.40 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	18.40 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:160



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: RG4	00:00:01		
0.00	GP	General photograph taken at this point: View of RG4	00:00:09		
0.10	LD	Line deviates down: sharp bend	00:00:18		
0.10	WL	Water level, 0% of the vertical dimension	00:00:25		
0.80	GP	General photograph taken at this point: line straight	00:00:27		
16.10	JN	Junction at 9 o'clock, 150mm dia: serves rwp	00:01:38		
17.50	LR	Line deviates right: sharp bend	00:01:54		
18.00	LD	Line deviates down: sharp bend	00:01:59		
18.30	GP	General photograph taken at this point: view into 450mm main	00:02:05		
18.40	MHF	Finish node, manhole, reference: Main Line	00:02:10		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 16/05/2025 - RG4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Downstream	RG4X		

1cb919e8-ccca-4731-bd9f-1b01386e71c2_1.png, 00:00:09, 0.00 m
General photograph taken at this point, View of RG4

5b070661-baa4-4ae3-9cf1-d973ffb3049e.png, 00:00:25, 0.10 m
Water level, 0% of the vertical dimension

d4b9d4f3-6e73-4a4a-b1d4-6274359bf055.png, 00:00:27, 0.80 m
General photograph taken at this point, line straight

16415736-a758-4736-9f30-7575abbdcd05.png, 00:01:38, 16.10 m
Junction at 9 o'clock, 150mm dia, serves rwp

6f6a5152-a60a-4875-bab7-06cc3f70804b.png, 00:01:54, 17.50 m
Line deviates right, sharp bend

a77d97f8-17d5-47ac-974d-71b93b607cd3.png, 00:01:59, 18.00 m
Line deviates down, sharp bend

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Section Pictures - 16/05/2025 - RG4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Downstream	RG4X		

2d9e18f0-46e6-4087-95e8-16bd75b4f48d.png, 00:02:05, 18.30 m
General photograph taken at this point, view into 450mm main

6e4947f1-4564-4627-9bab-f8e40e9d657c.png, 00:02:10, 18.40 m
Finish node, manhole, reference: Main Line

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	19/05/25	8:58	Not Specified	No Rain Or Snow	Unknown	RG5X

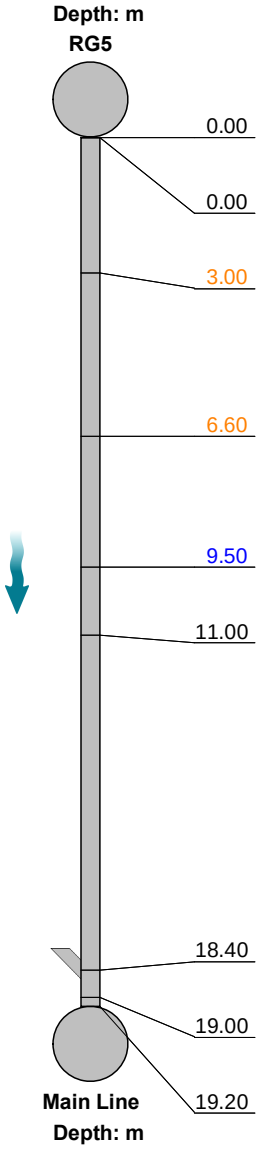
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	RG5
Road:	Handscross Road	**Inspected Length:**	19.20 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	19.20 m	**Downstream Node:**	MAIN LINE
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:167



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: RG5: over view of RG5	00:00:10		
0.00	WL	Water level, 0% of the vertical dimension	00:00:19		
3.00	DES	Settled deposits, fine, 35% cross-sectional area loss	00:00:41		4
6.60	DES	Settled deposits, fine, 25% cross-sectional area loss	00:01:04		4
9.50	DES	Settled deposits, fine, 5% cross-sectional area loss	00:01:12		3
11.00	LR	Line deviates right: sharp bend	00:01:17		
18.40	JN	Junction at 3 o'clock, 150mm dia: serves rwp	00:01:43		
19.00	LD	Line deviates down: sharp bend	00:01:51		
19.20	MHF	Finish node, manhole, reference: Main Line	00:01:59		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	3	5.0	0.6	12.0	4.0

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Section Pictures - 19/05/2025 - RG5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Downstream	RG5X		

d62e86ab-2e2f-49e4-9b36-da16389a5639.png, 00:00:10, 0.00 m
Start node, manhole, reference: RG5, over view of RG5

f1c2be43-7be8-4441-a242-2234aa7cd337.png, 00:00:19, 0.00 m
Water level, 0% of the vertical dimension

0b3d9dd8-d2ed-4c9e-a72d-c40293320292.png, 00:00:41, 3.00 m
Settled deposits, fine, 35% cross-sectional area loss

eeec6322-56c0-4d21-814f-9e3f627b9d08.png, 00:01:04, 6.60 m
Settled deposits, fine, 25% cross-sectional area loss

5a74081a-4ac3-4f8d-a379-573684c099e7.png, 00:01:17, 11.00 m
Line deviates right, sharp bend

739b61fe-fb97-494a-8f79-1291596bad5a.png, 00:01:43, 18.40 m
Junction at 3 o'clock, 150mm dia, serves rwp

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Section Pictures - 19/05/2025 - RG5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Downstream	RG5X		

005e40c6-de5e-46f4-a521-8ccdd2042341.png, 00:01:51, 19.00 m
Line deviates down, sharp bend

d28089b4-4137-4517-9a8e-a60b9a2e56d8.png, 00:01:59, 19.20 m
Finish node, manhole, reference: Main Line

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	19/05/25	9:12	Not Specified	No Rain Or Snow	Unknown	SW9X

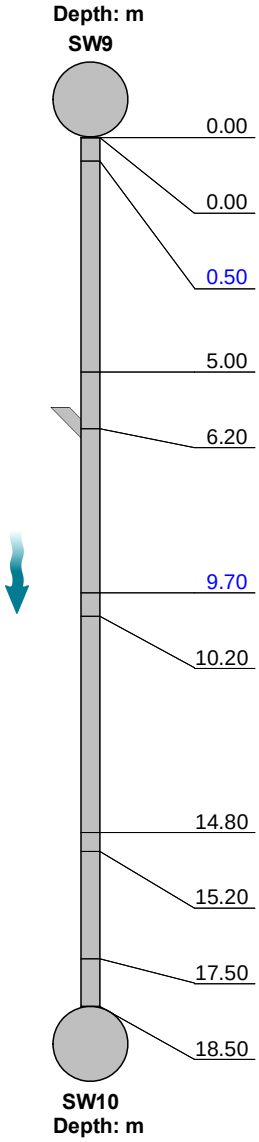
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW9
Road:	Handscross Road	**Inspected Length:**	18.50 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	18.50 m	**Downstream Node:**	SW10
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:161



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW9: view inside manhole	00:00:04		
0.00	WL	Water level, 0% of the vertical dimension	00:00:14		
0.50	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:15		3
5.00	WL	Water level, 25% of the vertical dimension	00:00:37		
6.20	JN	Junction at 3 o'clock, 100mm dia	00:00:41		
9.70	D	Deformed sewer or drain, 10%	00:01:00		2 / 3
10.20	WL	Water level, 30% of the vertical dimension	00:01:07		
14.80	WL	Water level, 85% of the vertical dimension: dropped section	00:01:27		
15.20	CUW	Loss of vision, camera under water: dropped section	00:01:33		
17.50	WL	Water level, 10% of the vertical dimension	00:01:41		
18.50	MHF	Finish node, manhole, reference: SW10	00:01:57		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	20.0	1.1	20.0	2.0	2	2.0	0.2	4.0	3.0

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Section Pictures - 19/05/2025 - SW9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
17	Downstream	SW9X		

f67d9d16-1be6-456a-820d-4de7aa407432.png, 00:00:04, 0.00 m
Start node, manhole, reference: SW9, view inside manhole

afb701ce-6c4e-4a8f-881a-fb021f31dc14.png, 00:00:14, 0.00 m
Water level, 0% of the vertical dimension

194d5477-f5dc-4782-9d51-e306c5f67ba7.png, 00:00:15, 0.50 m
Settled deposits, fine, 10% cross-sectional area loss

7d263758-03db-4952-8c16-604515ecc577.png, 00:00:37, 5.00 m
Water level, 25% of the vertical dimension

8dc3916f-f58d-4065-9a5b-00be4bbbf3f9.png, 00:00:41, 6.20 m
Junction at 3 o'clock, 100mm dia

02b1114e-57f4-4d83-b222-d7abb44202cb.png, 00:01:00, 9.70 m
Deformed sewer or drain, 10%

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Section Pictures - 19/05/2025 - SW9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
17	Downstream	SW9X		

87124795-7f2d-4be2-9b08-d7e1c3e7d388.png, 00:01:07, 10.20 m
Water level, 30% of the vertical dimension

42115dcf-fabe-4b09-add5-df4ee6eef327.png, 00:01:27, 14.80 m
Water level, 85% of the vertical dimension, dropped section

9fb7646f-f8a4-43e2-91fa-648929010171.png, 00:01:33, 15.20 m
Loss of vision, camera under water, dropped section

3f39e37d-07b3-444a-928f-b10e31b89f1d.png, 00:01:41, 17.50 m
Water level, 10% of the vertical dimension

7963a591-c0c4-4f5c-9888-1020d98a0691.png, 00:01:57, 18.50 m
Finish node, manhole, reference: SW10

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	19/05/25	9:19	Not Specified	No Rain Or Snow	Unknown	SW10X

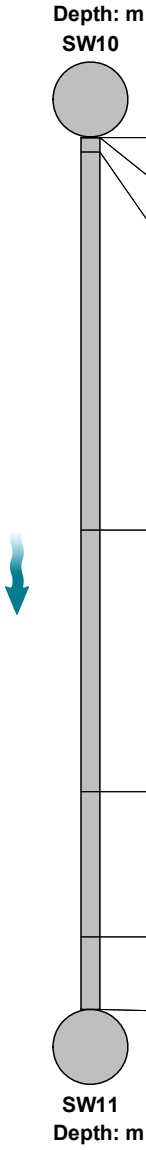
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW10
Road:	Handscross Road	**Inspected Length:**	12.00 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	12.00 m	**Downstream Node:**	SW11
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:104



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW10	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.20	LL	Line deviates left: slight bend	00:00:03		
5.40	WL	Water level, 20% of the vertical dimension	00:00:23		
9.00	CUW	Loss of vision, camera under water	00:00:42		
11.00	WL	Water level, 10% of the vertical dimension	00:00:48		
12.00	MHF	Finish node, manhole, reference: SW11: view into catch pit	00:01:03		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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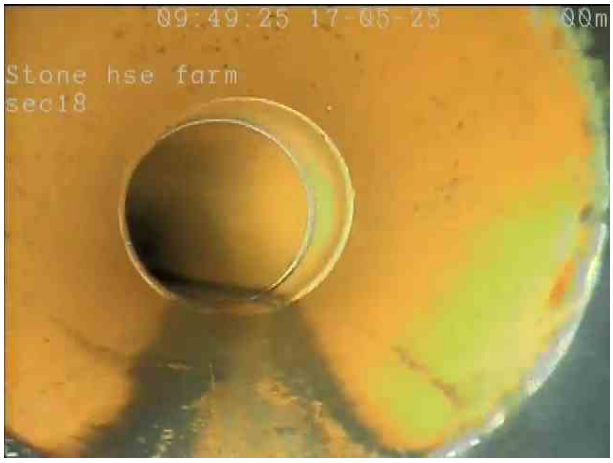
Section Pictures - 19/05/2025 - SW10X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
18	Downstream	SW10X		

6c61504a-bdd9-43ba-87e0-8a4202d0b7f4.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension



f5ad725d-6ffc-408f-8ee7-b5499479db9e.png, 00:00:03, 0.20 m
Line deviates left, slight bend

d7dce049-ad96-457a-ba5c-0277162808da.png, 00:00:23, 5.40 m
Water level, 20% of the vertical dimension

a933f694-9e4a-4a7a-a44c-976b732302df.png, 00:00:42, 9.00 m
Loss of vision, camera under water

35f8b9ff-f2bf-48fa-9328-f4b07f82d5f1.png, 00:00:48, 11.00 m
Water level, 10% of the vertical dimension

17d9d0fb-f34d-4e41-9132-3726052cf88d.png, 00:01:03, 12.00 m
Finish node, manhole, reference: SW11, view into catch pit

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Section Inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	19/05/25	8:25	Not Specified	No Rain Or Snow	Unknown	RE1X

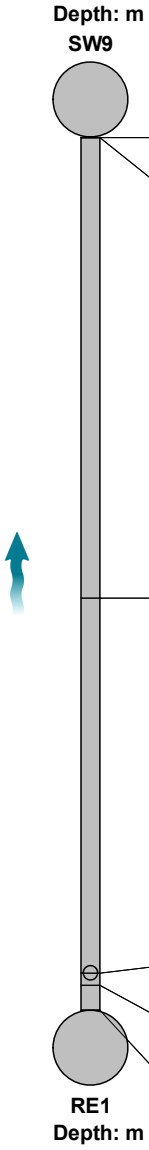
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	RE1
Road:	Handscross Road	**Inspected Length:**		**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	14.20 m	**Downstream Node:**	SW9
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:123



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW9	00:00:56		
0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
7.50	JDL	Joint displaced, large	00:00:23		1 / 4
13.60	JN	Junction at 12 o'clock, 100mm dia: serves rwp	00:00:49		
13.80	LU	Line deviates up: sharp bend	00:00:52		
14.20	MHF	Finish node, manhole, reference: RE1	00:00:55		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	2.0	0.1	2.0	1.0	1	5.0	0.4	5.0	4.0

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Section Pictures - 19/05/2025 - RE1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
19	Upstream	RE1X		

e2522e62-6e04-4d59-84ea-3825325f837c.png, 00:00:03, 0.00 m
Water level, 0% of the vertical dimension

6a75b795-7754-47b7-8ad7-7f96e83b2660.png, 00:00:23, 7.50 m
Joint displaced, large

15c02a60-6b0a-4327-ba76-0f79e9b81eef.png, 00:00:49, 13.60 m
Junction at 12 o'clock, 100mm dia, serves rwp

fbbaa57e-3b67-4633-8d7b-8fadf970fa5f.png, 00:00:52, 13.80 m
Line deviates up, sharp bend

fde30098-ff94-433e-8ff6-6b66a1c1cc72_1.jpg, 00:00:55, 14.20 m
Finish node, manhole, reference: RE1

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	19/05/25	9:33	Not Specified	No Rain Or Snow	Unknown	SW11X

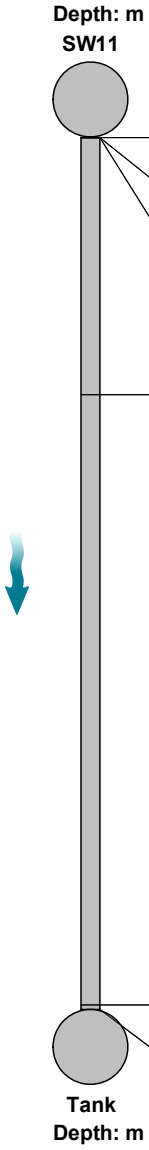
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW11
Road:	Handscross Road	**Inspected Length:**	20.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	20.30 m	**Downstream Node:**	TANK
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:176



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW11: over view of area	00:00:01		
0.00	GP	General photograph taken at this point: view inside catchpit	00:00:15		
0.00	WL	Water level, 0% of the vertical dimension	00:00:48		
6.00	LL	Line deviates left: sharp bend	00:01:08		
20.20	GP	General photograph taken at this point: dipper pipe view	00:02:17		
20.30	MHF	Finish node, manhole, reference: Tank	00:02:24		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 19/05/2025 - SW11X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
20	Downstream	SW11X		

0f3ac940-016a-42cb-8e8b-682d11018f1c.png, 00:00:01, 0.00 m
Start node, manhole, reference: SW11, over view of area

27000c32-b8a0-442b-8511-f0ed0558cecd.png, 00:00:15, 0.00 m
General photograph taken at this point, view inside catchpit

fe35f25a-644d-4731-992f-61cf1b20ac17.png, 00:00:48, 0.00 m
Water level, 0% of the vertical dimension

b3170df2-75ac-4185-99f0-097c56bcce87.png, 00:01:08, 6.00 m
Line deviates left, sharp bend

eb594b61-5e5b-4e98-830c-199da7d8c832.png, 00:02:17, 20.20 m
General photograph taken at this point, dipper pipe view

ee8b1d50-0da4-421a-b042-89489cbce39f.png, 00:02:24, 20.30 m
Finish node, manhole, reference: Tank

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	19/05/25	9:40	Not Specified	No Rain Or Snow	Unknown	SW5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW5
Road:	Handscross Road	**Inspected Length:**	14.20 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	14.20 m	**Downstream Node:**	SW6
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:123

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW6	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:00		
14.00	CN	Connection other than junction at 12 o'clock, 100mm dia: intruding	00:01:56		
14.10	GP	General photograph taken at this point: intruding connections	00:02:10		
14.20	MHF	Finish node, manhole, reference: SW5: made manhole	00:02:18		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

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Section Pictures - 19/05/2025 - SW5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
21	Upstream	SW5X		

f9beb1c4-a1d2-4699-999f-6701247235e3.png, 00:00:00, 0.00 m
Water level, 0% of the vertical dimension

6b0f2f4d-4a35-4beb-a009-e2e8b347bd37.png, 00:01:56, 14.00 m
Connection other than junction at 12 o'clock, 100mm dia,

9b915c5f-7883-4957-8e8a-63928149a281.png, 00:02:10, 14.10 m
General photograph taken at this point, intruding connections

62e6d2e4-659f-412e-8a38-2b404d1a3b54.png, 00:02:18, 14.20 m
Finish node, manhole, reference: SW5, made manhole

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	19/05/25	9:51	Not Specified	No Rain Or Snow	Unknown	SW2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW2
Road:	Handscross Road	**Inspected Length:**	15.70 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	15.70 m	**Downstream Node:**	SW5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:136

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW5	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
7.00	D	Deformed sewer or drain, 15%	00:00:59		3 / 3
9.50	D	Deformed sewer or drain, 20%	00:01:34		3 / 4
11.50	D	Deformed sewer or drain, 25%	00:02:11		4 / 4
15.70	GP	General photograph taken at this point: connecting pipe work	00:02:51		
15.70	MHF	Finish node, manhole, reference: SW2	00:02:58		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	80.0	10.2	160.0	4.0	3	5.0	0.8	12.0	4.0

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Section Pictures - 19/05/2025 - SW2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
22	Upstream	SW2X		

609e4ffc-f201-4ff5-b98f-dd00a5b707c2.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension

eea8d6d7-b02f-4892-9bdd-4832aadfb6a0.png, 00:00:59, 7.00 m
Deformed sewer or drain, 15%

ed06c945-a483-4a6f-bd7e-62f09e7b2bab.png, 00:01:34, 9.50 m
Deformed sewer or drain, 20%

ef924ca4-76c6-45d9-895b-ad59cc0ce47b.png, 00:02:11, 11.50 m
Deformed sewer or drain, 25%

1bd569d1-50a7-46ad-874a-7cf3b7bc2366.png, 00:02:51, 15.70 m
General photograph taken at this point, connecting pipe work

4dc0f155-bfd2-48be-800b-7f830392047a.png, 00:02:58, 15.70 m
Finish node, manhole, reference: SW2

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	19/05/25	10:01	Not Specified	No Rain Or Snow	Unknown	SW1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW1
Road:	Handscross Road	**Inspected Length:**	46.10 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	46.10 m	**Downstream Node:**	SW2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:400

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW2	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.10	D	Deformed sewer or drain, 15%	00:00:02		3 / 3
3.50	D	Deformed sewer or drain, 20%	00:00:26		3 / 4
10.00	D	Deformed sewer or drain, 20%	00:01:05		3 / 4
11.30	H	Hole in drain or sewer from 6 o'clock to 7 o'clock	00:01:16		4
15.80	D	Deformed sewer or drain, 15%	00:01:42		3 / 3
27.50	D	Deformed sewer or drain, 15%	00:02:33		3 / 3
33.50	D	Deformed sewer or drain, 30%	00:03:03		4 / 4
39.50	D	Deformed sewer or drain, 35%	00:03:56		5 / 4
43.50	D	Deformed sewer or drain, 20%	00:04:28		3 / 4
46.10	GP	General photograph taken at this point: brickwork catchpit	00:05:26		
46.10	MHF	Finish node, manhole, reference: SW1	00:05:25		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
9	165.0	12.3	565.0	5.0	8	5.0	0.7	31.0	4.0

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Section Pictures - 19/05/2025 - SW1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	SW1X		

76bb1cb6-c269-4b8d-8ccf-576a8643e768.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension

fbf7f5c5-b7f6-4617-a8c5-0d55d098f849.png, 00:00:02, 0.10 m
Deformed sewer or drain, 15%

a291e06e-86b9-4d0a-8080-ff11faed5702.png, 00:00:26, 3.50 m
Deformed sewer or drain, 20%

5b24db94-cdf2-4b12-ab19-d851edf7001b.png, 00:01:05, 10.00 m
Deformed sewer or drain, 20%

43ddd2e0-a573-4baf-a491-13f54fb589dd.png, 00:01:16, 11.30 m
Hole in drain or sewer from 6 o'clock to 7 o'clock

4973f8fa-a4dd-46b9-a7fa-4798b6d62da2.png, 00:01:42, 15.80 m
Deformed sewer or drain, 15%

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Section Pictures - 19/05/2025 - SW1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	SW1X		

2cb4ab0b-8e54-4902-ab1d-175a7a75332b.png, 00:02:33, 27.50 m
Deformed sewer or drain, 15%

20de7bb8-8fe2-4148-8d71-5c2c8eef8bbf.png, 00:03:03, 33.50 m
Deformed sewer or drain, 30%

52e5663c-8b45-498f-8a3a-b57c8d704160.png, 00:03:56, 39.50 m
Deformed sewer or drain, 35%

5297a643-8e92-4c66-ab70-4f1185e48459.png, 00:04:28, 43.50 m
Deformed sewer or drain, 20%

d13327c9-37f3-43b6-960a-fcd1d7d206f1.png, 00:05:26, 46.10 m
General photograph taken at this point, brickwork catchpit

d70ee051-0f91-4106-9e60-e1b355ef33e5.png, 00:05:25, 46.10 m
Finish node, manhole, reference: SW1

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	19/05/25	10:13	Not Specified	No Rain Or Snow	Unknown	SW6X

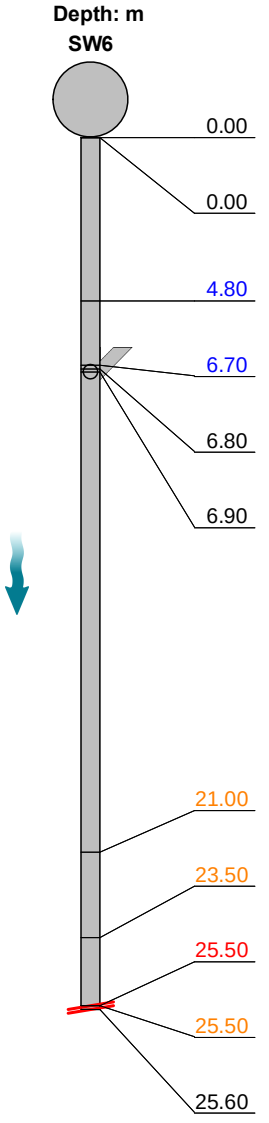
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW6
Road:	Handscross Road	**Inspected Length:**	25.60 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	25.60 m	**Downstream Node:**	SW7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:222



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW6	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
4.80	D	Deformed sewer or drain, 10%	00:00:40		2 / 3
6.70	DEE	Attached deposits, encrustation from 9 o'clock to 12 o'clock, 20% cross-sectional area loss: connection points	00:00:55		3
6.80	CN	Connection other than junction at 11 o'clock, 100mm dia: intruding	00:01:16		
6.90	CN	Connection other than junction at 12 o'clock, 100mm dia: intruding	00:01:19		
21.00	D	Deformed sewer or drain, 20%	00:02:57		3 / 4
23.50	D	Deformed sewer or drain, 20%	00:03:10		3 / 4
25.50	H	Hole in drain or sewer from 6 o'clock to 1 o'clock	00:03:26		5
25.50	D	Deformed sewer or drain, 25%	00:03:32		4 / 4
25.60	SA	Survey abandoned: crawler will tilt over	00:03:55		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	245.0	13.5	345.0	5.0	5	5.0	0.7	19.0	4.0

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Section Pictures - 19/05/2025 - SW6X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	SW6X		

5000f9c7-a6b8-4f33-9dcb-25793c69fcaa.png, 00:00:01, 0.00 m
Water level, 0% of the vertical dimension

b11ae014-a296-4f4f-9917-cff9ea64299f.png, 00:00:40, 4.80 m
Deformed sewer or drain, 10%

af5239ab-f40b-436a-b478-420914710e4c.png, 00:00:55, 6.70 m
Attached deposits, encrustation from 9 o'clock to 12 o'clock,

4b4f561f-f90c-4427-90e9-f38d68e4a95f.png, 00:01:16, 6.80 m
Connection other than junction at 11 o'clock, 100mm dia, intruding

d72e2463-6f0c-4ea1-b976-af6e6ac516d5.png, 00:01:19, 6.90 m
Connection other than junction at 12 o'clock, 100mm dia,

d2c521ea-1e7b-4fda-8963-3a6d69cdd06d.png, 00:02:57, 21.00 m
Deformed sewer or drain, 20%

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Section Pictures - 19/05/2025 - SW6X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Downstream	SW6X		

bcf0778e-dc5c-47ea-8fdd-651319b08627.png, 00:03:10, 23.50 m
Deformed sewer or drain, 20%

8723efe1-6fb0-46fb-851b-dca3ea5e6a30.png, 00:03:26, 25.50 m
Hole in drain or sewer from 6 o'clock to 1 o'clock

2a506dbd-b296-473b-aea1-4d9dfa2912e9.png, 00:03:32, 25.50 m
Deformed sewer or drain, 25%

7b093a31-9dd1-40a1-bb2d-cf6af083e435.png, 00:03:55, 25.60 m
Survey abandoned, crawler will tilt over

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	19/05/25	9:23	Not Specified	No Rain Or Snow	Unknown	SW6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	SW6
Road:	Handscross Road	**Inspected Length:**	21.30 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	21.30 m	**Downstream Node:**	SW7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:185 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW7	00:00:03		
0.00	WL	Water level, 0% of the vertical dimension	00:00:10		
2.00	OBB	Other obstacles, brick or masonry in invert from 5 o'clock to 7 o'clock, 25% cross-sectional area loss: kerb edging	00:00:15		5
6.80	D	Deformed sewer or drain, 40%	00:00:39		5 / 4
7.50	D	Deformed sewer or drain, 45%	00:00:52		5 / 4
10.60	D	Deformed sewer or drain, 30%	00:01:35		4 / 4
12.00	H	Hole in drain or sewer from 2 o'clock to 4 o'clock	00:01:44		4
15.00	D	Deformed sewer or drain, 40%	00:01:56		5 / 4
20.00	D	Deformed sewer or drain, 35%	00:02:42		5 / 4
21.00	D	Deformed sewer or drain, 45%	00:03:02		5 / 4
21.20	H	Hole in drain or sewer from 4 o'clock to 6 o'clock	00:03:36		4
21.30	SA	Survey abandoned: deformed	00:03:53		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
8	165.0	50.0	1065.0	5.0	7	10.0	1.9	40.0	5.0

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Section Pictures - 19/05/2025 - SW6X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	SW6X		

70a07d1e-28b7-45db-b6fa-23d7700b9087.png, 00:00:10, 0.00 m
Water level, 0% of the vertical dimension

dd64660f-087f-4f2e-873d-646401071db6.png, 00:00:15, 2.00 m
Other obstacles, brick or masonry in invert from 5 o'clock to 7

e2952436-e7fe-4fb8-a047-da69afa21ad5.png, 00:00:39, 6.80 m
Deformed sewer or drain, 40%

12366aeb-28a8-463f-82ee-57d31161a532.png, 00:00:52, 7.50 m
Deformed sewer or drain, 45%

5208e6c7-8ebc-4c5a-82bd-0cd1a3db5e33.png, 00:01:35, 10.60 m
Deformed sewer or drain, 30%

90b14cb1-66c2-43e0-a8da-f199a710dca0.png, 00:01:44, 12.00 m
Hole in drain or sewer from 2 o'clock to 4 o'clock

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Section Pictures - 19/05/2025 - SW6X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	SW6X		

d60aa9fc-1468-4f79-8c78-2b986f9a0466.png, 00:01:56, 15.00 m
Deformed sewer or drain, 40%

4b5bf9e6-0468-462a-862a-3b1cce96eed4.png, 00:02:42, 20.00 m
Deformed sewer or drain, 35%

9acab896-a4f8-4573-9648-f059255cb092.png, 00:03:02, 21.00 m
Deformed sewer or drain, 45%

591e2157-abcd-4207-99b0-770ad446df99.png, 00:03:36, 21.20 m
Hole in drain or sewer from 4 o'clock to 6 o'clock

04469363-1e13-401b-948c-22050c378e6c.png, 00:03:53, 21.30 m
Survey abandoned, deformed

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Completed section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	19/05/25	10:33	Not Specified	No Rain Or Snow	Unknown	SW7X

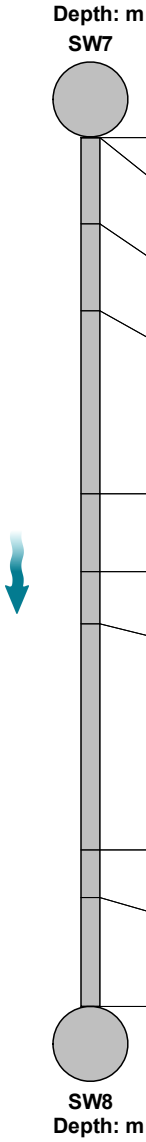
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW7
Road:	Handscross Road	**Inspected Length:**	20.00 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	20.00 m	**Downstream Node:**	SW8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:174



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW7	00:00:01		
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
2.00	D	Deformed sewer or drain, 15%	00:00:19		3 / 3
4.00	D	Deformed sewer or drain, 40%	00:00:41		5 / 4
8.20	WL	Water level, 20% of the vertical dimension: deformed	00:01:33		
10.00	D	Deformed sewer or drain, 25%	00:01:50		4 / 4
11.20	D	Deformed sewer or drain, 15%	00:01:58		3 / 3
16.40	D	Deformed sewer or drain, 40%	00:03:31		5 / 4
17.50	GP	General photograph taken at this point: sa	00:04:32		
20.00	MHF	Finish node, manhole, reference: SW8	00:04:36		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	165.0	24.5	490.0	5.0	5	5.0	1.0	19.0	4.0

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Section Pictures - 19/05/2025 - SW7X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
26	Downstream	SW7X		

cf60d61f-1dcf-4e57-b7eb-cf85dec60f0c.png, 00:00:02, 0.00 m
Water level, 0% of the vertical dimension

99be0dd0-8085-4999-af15-a050bc3b126f.png, 00:00:19, 2.00 m
Deformed sewer or drain, 15%

a231dc10-c2ea-4197-96e3-88745ee8fcb7.png, 00:00:41, 4.00 m
Deformed sewer or drain, 40%

45458732-5374-4e38-8f9a-ae3b790c2857.png, 00:01:33, 8.20 m
Water level, 20% of the vertical dimension, deformed

a028aed8-f8fb-4f4c-ab9a-052274501bab.png, 00:01:50, 10.00 m
Deformed sewer or drain, 25%

6cd98298-c634-44f6-974c-5e30a6a905c3.png, 00:01:58, 11.20 m
Deformed sewer or drain, 15%

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Section Pictures - 19/05/2025 - SW7X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
26	Downstream	SW7X		

792d6174-c3f4-4969-93c2-6d52daa7b238.png, 00:03:31, 16.40 m
Deformed sewer or drain, 40%

b8286a34-8be7-4365-8ff8-52714ce513dd.png, 00:04:32, 17.50 m
General photograph taken at this point, sa

2b2262f1-9dd5-419e-b43f-2c1ef208af54.png, 00:04:36, 20.00 m
Finish node, manhole, reference: SW8

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	19/05/25	11:02	Not Specified	No Rain Or Snow	Unknown	SW8X

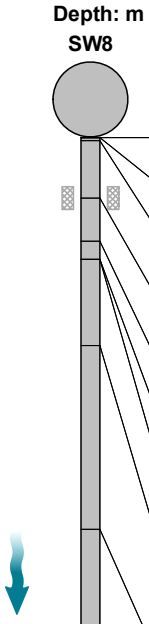
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Downstream	**Upstream Node:**	SW8
Road:	Handscross Road	**Inspected Length:**	28.50 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	28.50 m	**Downstream Node:**	DITCH
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	450 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:247



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: SW8	00:00:09		
0.00		WL	Water level, 0% of the vertical dimension	00:00:16		
0.10		GP	General photograph taken at this point: using push rod due to deformed	00:00:16		
2.00	S01	D	Deformed sewer or drain, 25%, start	00:00:26		4 / 4
3.40		D	Deformed sewer or drain, 40%	00:00:30		5 / 4
4.00		OJM	Open joint, medium	00:00:36		1
4.00		D	Deformed sewer or drain, 45%	00:00:36		5 / 4
6.80		D	Deformed sewer or drain, 20%	00:00:58		3 / 4
12.80		WL	Water level, 30% of the vertical dimension	00:01:12		
20.00		D	Deformed sewer or drain, 35%	00:01:26		5 / 4
28.00		WL	Water level, 30% of the vertical dimension	00:02:15		
28.50		SA	Survey abandoned: unable to continue	00:02:12		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
6	166.0	21.6	616.0	5.0	5	5.0	0.9	25.0	4.0

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Section Pictures - 19/05/2025 - SW8X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
27	Downstream	SW8X		

4b39655a-59b7-4328-b457-2be04f89f301.png, 00:00:16, 0.00 m
Water level, 0% of the vertical dimension

aa138485-1cbc-4c1f-a2b3-559bce67b31e.png, 00:00:16, 0.10 m
General photograph taken at this point, using push rod due to

5e369506-e54f-4a0e-86ac-f8af15fd0b05.png, 00:00:26, 2.00 m
Deformed sewer or drain, 25%, start

dac68b0f-372b-41bb-8d63-348e5d606ae2.png, 00:00:30, 3.40 m
Deformed sewer or drain, 40%

2c299aab-02dc-4b73-bbe7-51f12b5068d1.png, 00:00:36, 4.00 m
Deformed sewer or drain, 45%

17d22757-c3fd-4c33-910e-5e52593eb4bc.png, 00:00:58, 6.80 m
Deformed sewer or drain, 20%

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Section Pictures - 19/05/2025 - SW8X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
27	Downstream	SW8X		

16a676f6-fdb3-44d1-805f-dca0fa7f3245.png, 00:01:12, 12.80 m
Water level, 30% of the vertical dimension

e2b9d399-1e2f-4a49-b648-9a6732af8ef8.png, 00:01:26, 20.00 m
Deformed sewer or drain, 35%

108cb3fa-b821-4cd6-91da-d0fa1cc7b8e1.png, 00:02:15, 28.00 m
Water level, 30% of the vertical dimension

31386f78-9919-4471-9ac6-7fa23b58aa2b.png, 00:02:12, 28.50 m
Survey abandoned, unable to continue

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Abandoned section inspection

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	19/05/25	11:22	Not Specified	No Rain Or Snow	Unknown	EX

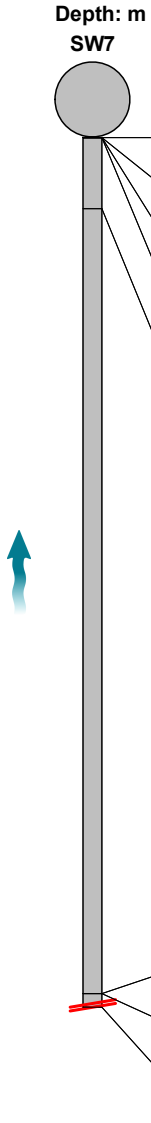
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
JS	Not Specified	Not Specified	Not Specified	Private Drain	Not Specified

Town or Village:		**Inspection Direction:**	Upstream	**Upstream Node:**	E
Road:	Handscross Road	**Inspected Length:**	6.10 m	**Upstream Pipe Depth:**	
Location:	Road	**Total Length:**	6.10 m	**Downstream Node:**	SW7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	300 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:53



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SW7	00:00:01		
0.00	GP	General photograph taken at this point: view inside SW7	00:00:12		
0.00	GP	General photograph taken at this point: base faulty	00:00:15		
0.00	WL	Water level, 0% of the vertical dimension	00:00:25		
0.50	LL	Line deviates left: sharp bend	00:00:31		
6.00	GP	General photograph taken at this point: redundant section	00:00:54		
6.00	DEC	Settled deposits, hard or compacted, 95% cross-sectional area loss	00:00:54		5
6.10	SA	Survey abandoned: blanked off	00:00:54		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	1.6	10.0	5.0

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Section Pictures - 19/05/2025 - EX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
28	Upstream	EX		

e2f2952c-1d6c-4e41-9694-f4658410fb5a.png, 00:00:12, 0.00 m
General photograph taken at this point, view inside SW7

12b92024-3105-4cd7-b0af-d429f9d94cdd.png, 00:00:15, 0.00 m
General photograph taken at this point, base faulty

ee54a156-4197-4273-8e9c-2931be63c129.png, 00:00:25, 0.00 m
Water level, 0% of the vertical dimension

a5385689-2731-41f7-b623-ba8a58f72c92.png, 00:00:31, 0.50 m
Line deviates left, sharp bend

a9871681-a505-441e-9f82-48d595ada09c.png, 00:00:54, 6.00 m
General photograph taken at this point, redundant section

f75e597f-4d31-415e-b0f7-5ecd2f5fb5cb.png, 00:00:54, 6.00 m
Settled deposits, hard or compacted, 95% cross-sectional area loss

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Section Pictures - 19/05/2025 - EX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
28	Upstream	EX		

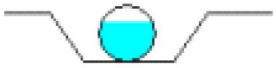
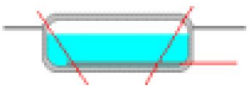
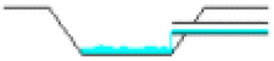
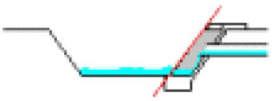
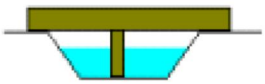
3da67c58-d070-45e0-b81e-cef9f028c799.png, 00:00:54, 6.10 m
Survey abandoned, blanked off

Disclaimer

Although every effort has been made to produce a thorough and precise report, Aquatech Drain Services Ltd cannot be held liable for any
discrepancies or omissions. Furthermore Aquatech Drain Services Ltd cannot be held responsible for any actions taken based on the information supplied within this report.

Appendix F

Conditions Requiring Land Drainage Consent in West Sussex

Image	Description/Action
	Pipe culvert of part or whole section of watercourse, including modification of existing pipe culvert Consent required under Section 23 1(b & c)
	Oversized box culvert of part or whole section of watercourse, including modification of existing box culvert Consent required under Section 23 1(b & c)
	Addition or alteration of trash screens (grilles) Consent required under Section 23 1(b & c)
	Bank protection works, not resulting in loss of cross sectional area Unlikely to require consent*.
	Pipe crossing in channel Consent required under Section 23 1(b & c)
	Pipe crossing above bank Unlikely to require consent*
	Pipe crossing below bed Unlikely to require consent*
	Protruding pipe outfall with or without headwall Consent required under Section 23 1(b & c)
	Outfall within bank profile with or without headwall Unlikely to require consent*
	Weir/Dam or impoundment that would obstruct natural flow Consent required under Section 23 1(a)
	Bridge where soffit level is below bank top level Consent required under Section 23 1(a) if it has the potential to affect flow
	Clear span bridge or abutments not within cross sectional area Unlikely to require consent*
	Bridge abutments or supports within cross sectional area Consent required under section 23 1(a)
	Clear span bridge Unlikely to require consent*.
	Bridge with support in channel. Consent required under section 23 1(a)

***May require consent if temporary works cause obstructions to flow.**

Note: "flow" should be determined as bank full flow conditions