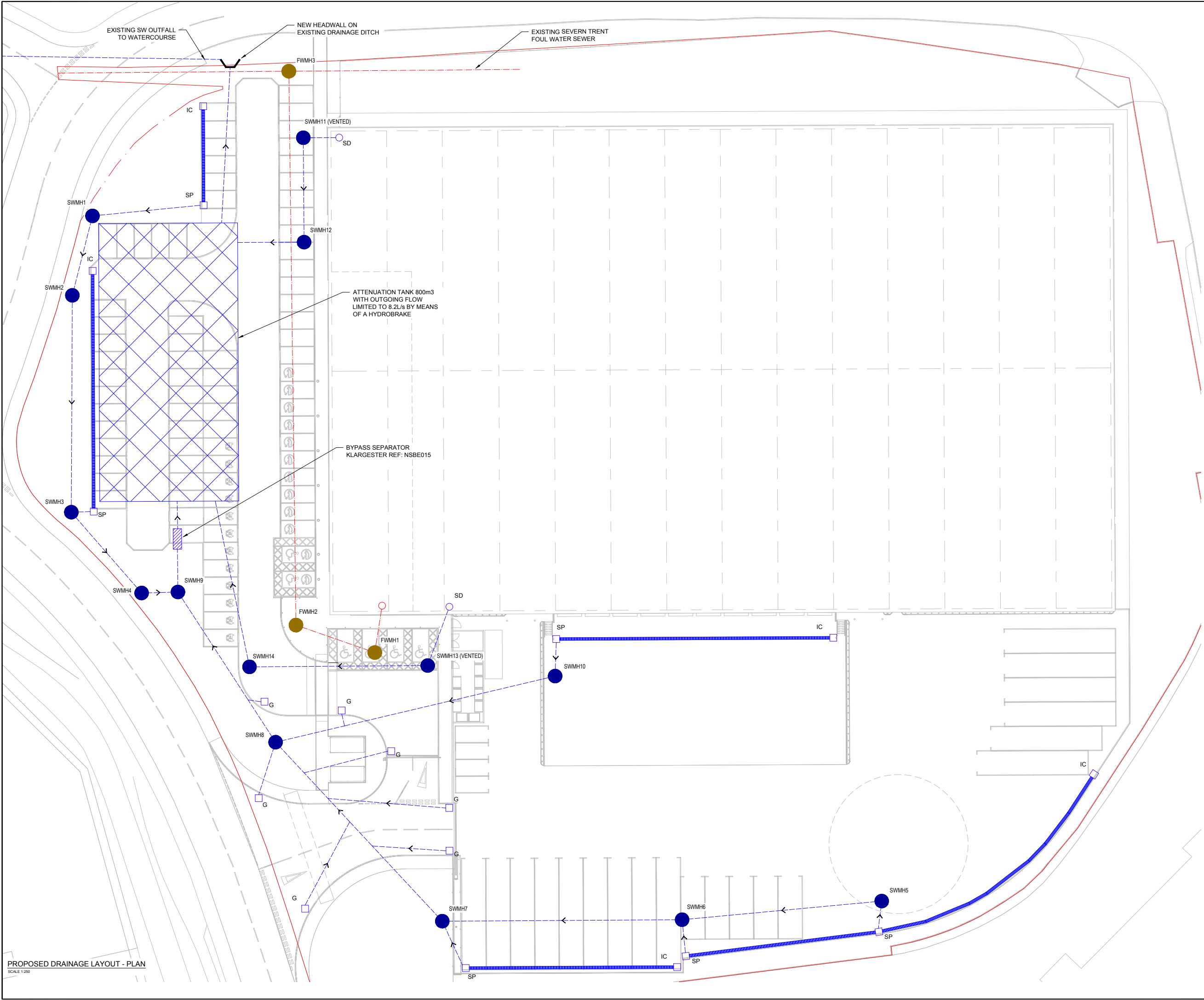




DESIGNER RISK INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:-

CONSTRUCTION:

MAINTENANCE/CLEANING:

DECOMMISSIONING/DEMOLITION:

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

LEGEND

SP

IC

G

SD

●

SILT PIT

INSPECTION CHAMBER

ROAD GULLY

SYPHONIC DOWNPIPE

SURFACE WATER MANHOLE

SURFACE WATER PIPE

FOUL WATER MANHOLE

FOUL WATER PIPE

DRAINAGE CHANNEL

P01

28.10.25

FIRST ISSUE

EH

APD

Rev

Date

Amendment

mjm

Consulting Engineers Ltd

Southgate House, 38 Southgate, Wakefield WF1 1TL

T: 01924 811 000 mjm.co.uk

Project:

GRAFTONGATE, HINCKLEY

Client:

GRAFTONGATE

Drawing Title:

PROPOSED DRAINAGE LAYOUT

EH

MJC Ref:

25109

Revision Status:

P01

Suitability Description:

APD

Scale:

1:250

Suitability Status:

S2

Information

APD

Sheet Size:

A1

Date:

OCT 25

Drawing Reference:

Project - Originator - Zone - Level - File Type - Discipline - Number

25109 - MJM - 00 - 00 - DR - C - 5200

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Appendix G

Surface Water Drainage Maintenance Plan

The underground surface water drainage within the site boundary will be maintained by the proposed end user. All proprietary systems will be maintained in accordance with manufacturer's recommendations. The current recommendations, where appropriate, are included below. However, the guidance provided below should be reviewed as and when manufacturer's guidance is updated. All installation and maintenance guides for proprietary systems will be retained on the premises in the Health & Safety file.

In addition to the following guidance on the underground drainage system, the above ground roof rainwater drainage system should be maintained strictly in accordance with the designer's guidance to ensure that roof run-off is conveyed in to the underground system as intended.

Gullies

Road gullies draining the site hardstandings should be inspected regularly to ensure that they continue to operate effectively, and are free from damage and blockage by debris or solid objects.

They should be cleaned at least once a year, and incorporated into a planned maintenance schedule.

Any debris or blockages near to the surface of the gully should be removed by hand or by jet-vac. The trap element of the gully can be cleaned through the use of a high-pressure hose.

The seating areas for grates should be cleaned before they are replaced. If grates are allowed to move within their frame, this may cause damage to the frame or seating.

Drainage channels

Drainage channels should be inspected regularly to ensure that the system continues to operate effectively, and is free from damage and blockage by debris or solid objects.

The system should be cleaned at least once a year, and incorporated into a planned maintenance schedule. Channel units can be cleaned through the use of a high-pressure hose. This can be fed into the channel system through access units which are strategically placed along the channel run.

The throat section of channel units should be kept clear at all times to ensure uninterrupted flow of surface liquids into the drainage channel. Any debris within the throat should be removed.

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Wakefield WF1 1TL

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T: 01924 811 000

The seating areas for covers and grates should be cleaned before they are replaced. The covers and grates should be locked into position to prevent these being removed, stolen or dislodged by traffic. Locking bolts should be replaced and sufficiently tightened, taking care that the bolt heads do not stand above the top surface of the cover or grate. If grates/ covers are allowed to move within their frame, this may cause damage to the frame or seating.

Pipes and manholes

Manholes are to be inspected annually for signs of blockage, with pipes jet washed and CCTV inspections carried out to the pipelines as appropriate should a blockage occur.

Petrol interceptor

The bypass interceptor will be installed with an alarm, which is activated when 90% of the oil storage volume of the interceptor has been reached. This notifies the occupant that the unit is required to be emptied. Should the interceptor fail to be emptied at this time, excessive oil could pass through the interceptor, thus polluting the downstream environment.

The interceptor should be serviced in accordance with the manufacturer's recommended service interval in order to ensure proper operation of the equipment. This should be done routinely without waiting for the alarm to sound. The on-going functional assessment of the unit and oil alarm systems is fundamental if pollution incidents are to be avoided.

The removal of sediment and retained oil/grease should be carried out by a contractor holding the relevant permits to transport and dispose of such waste.

Contaminated surface water can contain substances harmful to human health. Any person carrying out maintenance on the equipment should wear suitable protective clothing, including gloves. Good hygiene practice should also be observed.

Attenuation tank

The steel corrugated pipe attenuation tank is equipped with access manholes at each inlet and outlet location.

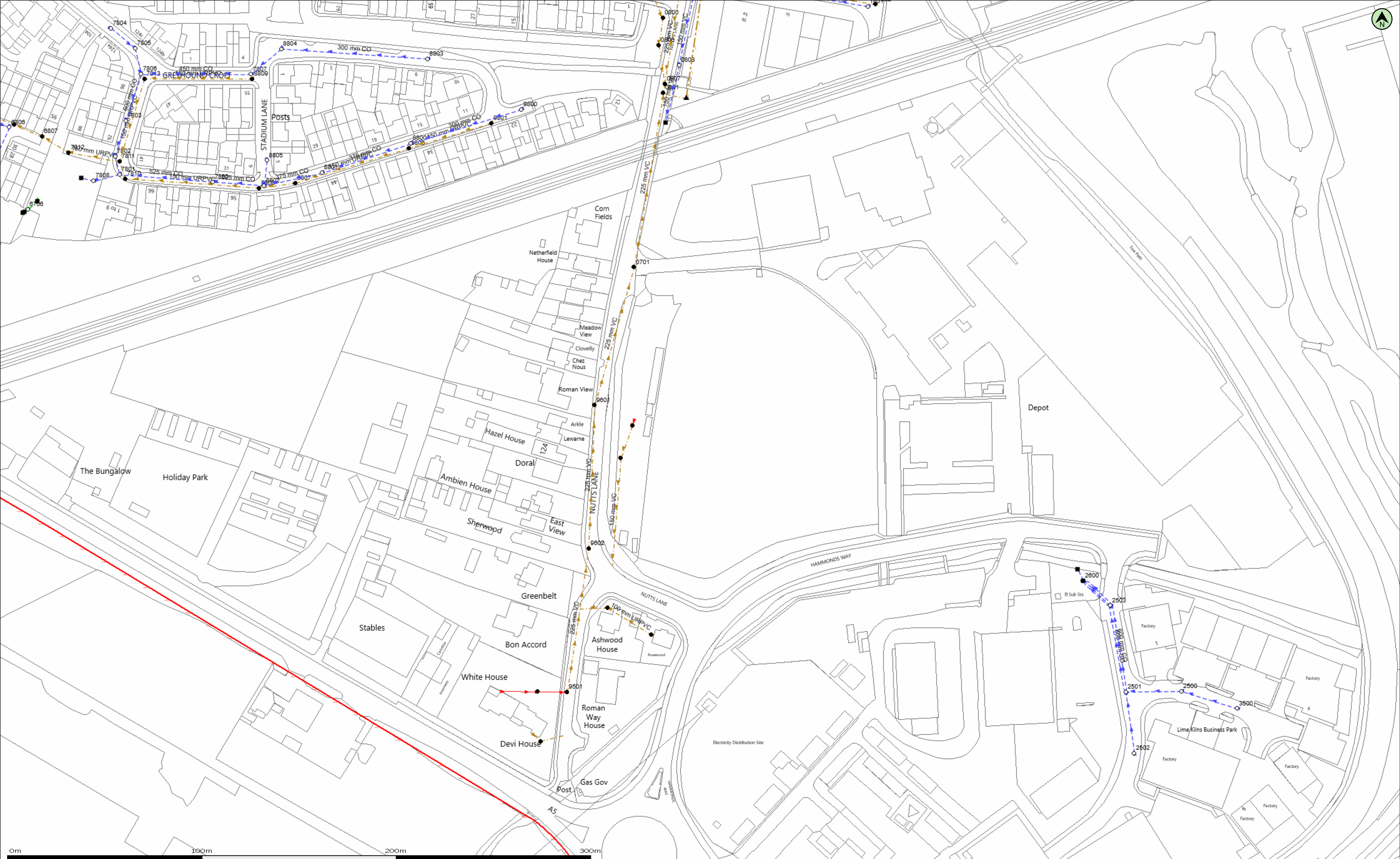
The tank should be maintained in a similar manner to the network of pipes and manholes. It is to be inspected bi-annually for signs of build-up or blockages, with CCTV inspections used appropriately to identify the source and location. Any sediment build-up at inlet or outlet locations should be removed by Jetvac. Entry to the tank should be carried out by someone who has successfully completed a confined space training course. The fabric of the tank itself requires no maintenance, and has a minimum design life of 60 years.

The flow control device located within the tank is also to be checked bi-annually for blockages.

General guidance for the safe inspection of underground systems and confined spaces

- Contaminated surface water can contain substances harmful to human health. Any person carrying out maintenance on equipment which could potentially contain contaminated water should wear suitable protective clothing, including gloves. Good hygiene practice should also be observed.
- When covers are removed precautions should be taken against personnel falling into the unit.
- The working area should be adequately lit and the inspector should be familiar with the area and access points
- Correct posture should be maintained, particularly when lifting. Appropriate lifting equipment should be used when necessary. Proper footing and balance should be maintained at all times, taking care to avoid any sharp edges.

Appendix H



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Date: 15/07/25

Scale: 1:1250

Map Centre: 441035,292678

Data updated: 14/06/25

Our Ref: 1825142 - 1

Wastewater Plan A2
Powered by digdat

Do not scale off this map. The plan and any information supplied with it is furnished as a general guide, is only valid at the date of issue and no warranty as to its correctness is given or implied. In particular this plan and any information shown on it must not be relied upon in the event of any development or works (including but not limited to excavations) in the vicinity of SEVERN TRENT WATER assets or for the purposes of determining the suitability of a point of connection to the sewerage or distribution systems. Reproduction by permission of Ordnance Survey on behalf of HMSO. ©Crown Copyright and database rights 2025. All rights reserved. Ordnance Survey licence number AC0000808122. Document users other than SEVERN TRENT WATER business users are advised that this document is provided for reference purpose only and is subject to copyright, therefore, no further copies should be made from it.

Public Foul Gravity/Lateral Drain		Highway Drain		Manhole Foul	
Public Combined Gravity/Lateral Drain		Overflow Pipe		Manhole Surface	
Public Surface Water Gravity/Lateral Drain		Disposal Pipe		Abandoned Pipe	
Pressure Foul		Culverted Water Course		Chamber	
Pressure Combined		Pumping Station		Section 104 sewers are shown in green	
Pressure Surface Water		Fitting		Private sewers are shown in magenta	

andyd@mjmc.co.uk

Hammonds Way





GENERAL CONDITIONS AND PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK ADJACENT TO SEVERN TRENT WATER'S APPARATUS

Please ensure that a copy of these conditions is passed to your representative and/or your contractor on site. If any damage is caused to Severn Trent Water Limited (STW) apparatus (defined below), the person, contractor or subcontractor responsible must inform STW immediately on:
0800 783 4444 (24 hours)

- a) These general conditions and precautions apply to the public sewerage, water distribution and cables in ducts including (but not limited to) sewers which are the subject of an Agreement under Section 104 of the Water Industry Act 1991(a legal agreement between a developer and STW, where a developer agrees to build sewers to an agreed standard, which STW will then adopt); mains installed in accordance with an agreement for the self-construction of water mains entered into with STW and the assets described at condition b) of these general conditions and precautions. Such apparatus is referred to as "STW Apparatus" in these general conditions and precautions.
- b) Please be aware that due to The Private Sewers Transfer Regulations June 2011, the number of public sewers has increased, but many of these are not shown on the public sewer record. However, some idea of their positions may be obtained from the position of inspection covers and their existence must be anticipated.
- c) On request, STW will issue a copy of the plan showing the approximate locations of STW Apparatus although in certain instances a charge will be made. The position of private drains, private sewers and water service pipes to properties are not normally shown but their presence must be anticipated. This plan and the information supplied with it is furnished as a general guide only and STW does not guarantee its accuracy.
- d) STW does not update these plans on a regular basis. Therefore the position and depth of STW Apparatus may change and this plan is issued subject to any such change. Before any works are carried out, you should confirm whether any changes to the plan have been made since it was issued.
- e) The plan must not be relied upon in the event of excavations or other works in the vicinity of STW Apparatus. It is your responsibility to ascertain the precise location of any STW Apparatus prior to undertaking any development or other works (including but not limited to excavations).
- f) No person or company shall be relieved from liability for loss and/or damage caused to STW Apparatus by reason of the actual position and/or depths of STW Apparatus being different from those shown on the plan.

In order to achieve safe working conditions adjacent to any STW Apparatus the following should be observed:

1. All STW Apparatus should be located by hand digging prior to the use of mechanical excavators.
2. All information set out in any plans received from us, or given by our staff at the site of the works, about the position and depth of the mains, is approximate. Every possible precaution should be taken to avoid damage to STW Apparatus. You or your contractor must ensure the safety of STW Apparatus and will be responsible for the cost of repairing any loss and/or damage caused (including without limitation replacement parts).
3. Water mains are normally laid at a depth of 900mm. No records are kept of customer service pipes which are normally laid at a depth of 750mm; but some idea of their positions may be obtained from the position of stop tap covers and their existence must be anticipated.
4. During construction work, where heavy plant will cross the line of STW Apparatus, specific crossing points must be agreed with STW and suitably reinforced where required. These crossing points should be clearly marked and crossing of the line of STW Apparatus at other locations must be prevented.
5. Where it is proposed to carry out piling or boring within 20 metres of any STW Apparatus, STW should be consulted to enable any affected STW Apparatus to be surveyed prior to the works commencing.
6. Where excavation of trenches adjacent to any STW Apparatus affects its support, the STW Apparatus must be supported to the satisfaction of STW. Water mains and some sewers are pressurised and can fail if excavation removes support to thrust blocks to bends and other fittings.
7. Where a trench is excavated crossing or parallel to the line of any STW Apparatus, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the STW Apparatus. In special cases, it may be necessary to provide permanent support to STW Apparatus which has been exposed over a length of the excavation before backfilling and reinstatement is carried out. There should be no concrete backfill in contact with the STW Apparatus.
8. No other apparatus should be laid along the line of STW Apparatus irrespective of clearance. Above ground apparatus must not be located within a minimum of 3 metres either side of the centre line of STW Apparatus for smaller sized pipes and 6 metres either side for larger sized pipes without prior approval. No manhole or chamber shall be built over or around any STW Apparatus.
9. A minimum radial clearance of 300 millimetres should be allowed between any plant or equipment being installed and existing STW Apparatus. We reserve the right to increase this distance where strategic assets are affected.
10. Where any STW Apparatus coated with a special wrapping is damaged, even to a minor extent, STW must be notified and the trench left open until the damage has been inspected and the necessary repairs have been carried out. In the case of any material damage to any STW Apparatus causing leakage, weakening of the mechanical strength of the pipe or corrosion-protection damage, the necessary remedial work will be recharged to you.
11. It may be necessary to adjust the finished level of any surface boxes which may fall within your proposed construction. Please ensure that these are not damaged, buried or otherwise rendered inaccessible as a result of the works and that all stop taps, valves, hydrants, etc. remain accessible and operable. Minor reduction in existing levels may result in conflict with STW Apparatus such as valve spindles or tops of hydrants housed under the surface boxes. Checks should be made during site investigations to ascertain the level of such STW Apparatus in order to determine any necessary alterations in advance of the works.
12. With regard to any proposed resurfacing works, you are required to contact STW on the number given above to arrange a site inspection to establish the condition of any STW Apparatus in the nature of surface boxes or manhole covers and frames affected by the works. STW will then advise on any measures to be taken, in the event of this a proportionate charge will be made.
13. You are advised that STW will not agree to either the erection of posts, directly over or within 1.0 metre of valves and hydrants,
14. No explosives are to be used in the vicinity of any STW Apparatus without prior consultation with STW.

TREE PLANTING RESTRICTIONS

There are many problems with the location of trees adjacent to sewers, water mains and other STW Apparatus and these can lead to the loss of trees and hence amenity to the area which many people may have become used to. It is best if the problem is not created in the first place. Set out below are the recommendations for tree planting in close proximity to public sewers, water mains and other STW Apparatus.

15. Please ensure that, in relation to STW Apparatus, the mature root systems and canopies of any tree planted do not and will not encroach within the recommended distances specified in the notes below.
16. Both Poplar and Willow trees have extensive root systems and should not be planted within 12 metres of a sewer, water main or other STW Apparatus.
17. The following trees and those of similar size, be they deciduous or evergreen, should not be planted within 6 metres of a sewer, water main or other STW Apparatus. E.g. Ash, Beech, Birch, most Conifers, Elm, Horse Chestnut, Lime, Oak, Sycamore, Apple and Pear. Asset Protection Statements Updated May 2014
18. STW personnel require a clear path to conduct surveys etc. No shrubs or bushes should be planted within 2 metre of the centre line of a sewer, water main or other STW Apparatus.
19. In certain circumstances, both STW and landowners may wish to plant shrubs/bushes in close proximity to a sewer, water main of other STW Apparatus for screening purposes. The following are shallow rooting and are suitable for this purpose: Blackthorn, Broom, Cotoneaster, Elder, Hazel, Laurel, Privet, Quickthorn, Snowberry, and most ornamental flowering shrubs.

Appendix I



CCTV SURVEYS



**HIGH PRESSURE
JETTING**



**HOME BUYER
SURVEYS**



**BUILD OVER
SURVEYS**



**COMPREHENSIVE
REPORTING**



**DRAIN LINING
REPAIRS**



UTILITY SURVEYS LTD.

**5 SUFFOLK ROAD
MALDON
ESSEX
CM9 6AX**

Telephone: 07971 910370

CCTV REPORT

CLIENT	MJM CONSULTING ENGINEERS
LOCATION	HAMMONDS WAY HINCKLEY LEICESTERSHIRE LE10 3EG
DATE	28/08/2025
REF	071676

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2. CONTACT INFORMATION.....	3
3. UTILITY SURVEYS LTD CONTACT DETAILS.....	3
4. SITE DESCRIPTION.....	4
5. SURVEY BRIEF.....	5
6. SURVEY TECHNIQUES.....	7
7. INDIVIDUAL INSPECTION REPORT.....	8

REGISTER OF APPENDICES

- A. MANHOLE INSPECTION REPORT
- B. COPIES OF SITE HAND WRITTEN DAILY RECORD SHEETS
- C. ANNOTATED SITE DRAWINGS

GENERAL INFORMATION

Utility Surveys Ltd have been appointed by MJM Consulting Engineers to undertake a Sewer Condition Survey at the location identified. This survey commenced on 28 August 2025.

CONTACT INFORMATION

SITE ADDRESS: HAMMONDS WAY HINCKLEY LEICESTERSHIRE LE10 3EG	SITE CONTACT: N/A CONTACT NO: EMAIL:
CLIENT DETAILS: MJM CONSULTING ENGINEERS SOUTHGATE HOUSE SOUTHGATE WAKEFIELD WF1 1TL	CONTACT: ANDY DICKSON CONTACT NO: 01924 811000 EMAIL:

UTILITY SURVEYS LTD CONTACT DETAILS

OFFICE	SIMON GARDINER 07971 910370 simon@utilitysurveysltd.co.uk
RIG MANAGER	SIMON GARDINER

SITE DESCRIPTION

Site Description

DEVELOPMENT SITE

Site Boundaries

CLEARLY DEFINED ON SUPPLIED DRAWINGS

SURVEY BRIEF

Sewer Condition Inspection Survey

The Purpose of the Sewer Condition Inspection Survey was to establish the location and extent of foul and/ or surface water drainage systems and to document their condition prior to any further works.

- A full condition survey can only be produced if precleansing / jetting is carried out in conjunction with the CCTV survey.
- If precleansing is not carried out at the time of the survey further faults and conditional defects may be present but not recorded in this report.

In addition Utility Surveys Ltd have;

- Attempted to investigate all agreed areas, although if not all could be fully accessed (see Daily Record Sheet).
- Produced a report to establish the location and extent of foul and surface water drainage systems and to document their condition prior to any further works.
- Provided the basic information from which a remediation or management plan can be instigated.
- Highlighted the requirement for urgent action to repair or remediation works to the surveyed drainage system.
- Incorporated in the results any additional manholes/ drainage found, which may have been buried, obscured or not identified in the original scope of works.

Agreed Restrictions and Exclusions

This report is based upon a Sewer Condition Inspection Survey of an unfamiliar site.

During the course of the survey all reasonable efforts were made to identify and access all Manholes and foul/ surface drainage/ outfall, throughout the site.

Some installations/ areas may not have been inspected due to access and or safety reasons (e.g. Wet Wells, Large Unventilated Tanks, Traffic Management Situations). Unless an accepted safe system of work has been devised.

Access may not have been gained to several areas of the site due to conditions outside the control of the client or contractor, any such areas have been documented within this report (see Daily Record Sheet).

Any diagrams/ CAD drawings in the report are not to be scaled and are illustrative only to indicate approximate locations.

Manhole covers will not be lifted if:

- a) There is a danger of damaging surrounding flooring or finishes.
- b) They are covered, i.e. under fitted carpets, flooring, tiling or paving etc.
- c) Under fittings, fixtures, fencing, equipment etc.

Buried manholes will be located, if possible, position marked. If instructed, excavated in soft ground only up to a depth of 350mm with temporary reinstatement.

No allowance has been made for any precleansing unless stated in the quotation.

Full and free access to all areas affected is to be arranged by the instructing party.

SURVEY TECHNIQUES

The areas set out within the survey brief underwent inspection for a Sewer Condition Inspection Survey each area within the agreed scope of works was surveyed for location extent and condition of foul and/ or surface water drainage systems and CCTV footage gathered for confirmation. Every reasonable effort was made to investigate all aspects of the drainage system. Additional photographs were taken where relevant to the inspection.

There were no deviations from the agreed scope of works.

This Sewer Condition Inspection Survey was carried out in accordance with the Utility Surveys Ltd documented 'in-house' procedure 820 'Code of Working Practice' based on National Sewerage Association guidance. The Sewer Condition Inspection Survey Report states information recorded at the time of survey only, based on visual and CCTV assessment in accordance with sewer classification codings issued by WRC, incorporating the following inspection criteria:

CONDITION of pipe work
LOCATION of pipe work
EXTENT of the pipe work

A defect grade description has been provided for the identification of defective pipe work.

Changes to any of the above criteria shall necessitate the need for reassessment

These gradings and the reports can be used to form the basis of a planned preventative maintenance programme. This can be the subject of further discussions with our technical support team.



Project

Project Name: Hammonds Way

Project Number: 071676

Project Date: 8/28/2025





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Hammonds Way	071676	8/28/2025

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Project Information

Project Name
Hammonds Way**Project Number**
071676**Project Date**
8/28/2025

Client

Company: MJM Consulting Engineers Ltd
Contact: Andy Dickson
Street: Southgate House
Town or City: Southgate, Wakefield
County: West Yorkshire
Post Code: WF1 1TL
Phone: 01924 811000
Email: andyd@mjmc.co.uk



Site

Street: Hammonds Way
Town or City: Hinckley
County: Leicestershire
Post Code: LE10 3EG



Contractor

Company: Utility Surveys Ltd
Contact: Matt Campbell
Street: 5 Suffolk Road
Town or City: Maldon
Post Code: CM9 6AX
Phone: 07872 542303
Email: matt@utilitysurveysltd.co.uk



Project Information

Project Name Hammonds Way	Project Number 071676	Project Date 8/28/2025
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Project Drawing, Page 'Page'



Scoring Summary

Project Name
Hammonds Way

Project Number
071676

Project Date
8/28/2025

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	S1X	5	Defective repair, missing repair material, from 12 o'clock to 12 o'clock

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	S1X	3	Roots, mass at joint, 5% cross-sectional area loss
4	S2Y	5	Roots, mass at joint, 35% cross-sectional area loss

Abandoned Surveys

Item No.	PLR	Description
1	InletY	Survey abandoned
2	S1X	Survey abandoned
4	S2Y	Survey abandoned

Information

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

Section Profile

Project Name
Hammonds Way

Project Number
071676

Project Date
8/28/2025

Circular, 300 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
4	S2	S1	8/28/2025	Hammonds Way	Concrete	2.91 m	2.91 m

Total: 1 Inspection x Circular 300 mm, 0 mm = 2.91 m Total Length and 2.91 m Inspected Length

Circular, 375 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	Inlet	S1	8/28/2025	Hammonds Way	Concrete	21.09 m	21.09 m
2	S1	S2	8/28/2025	Hammonds Way	Concrete	3.24 m	3.24 m

Total: 2 Inspections x Circular 375 mm, 0 mm = 24.33 m Total Length and 24.33 m Inspected Length

Circular, 400 mm, 0 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
3	S2	OUTLET	8/28/2025	Hammonds Way	Polyethylene	32.10 m	32.10 m

Total: 1 Inspection x Circular 400 mm, 0 mm = 32.10 m Total Length and 32.10 m Inspected Length

Total: 4 Inspections = 59.34 m Total Length and 59.34 m Inspected Length

Section Summary

Project Name Hammonds Way	Project Number 071676	Project Date 8/28/2025
-------------------------------------	---------------------------------	----------------------------------

Number of sections	4
Total length of sections	59.34 m
Total length of inspected sections	59.34 m
Total length of not inspected sections	0.00 m
Number of abandoned inspections	3
Number of section inspection photos	7
Number of section inspection videos	4
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	InletY	Upstream Node:	Inlet
Inspection Direction:	Upstream	Downstream Node:	S1
Inspected Length:	21.09 m	Dia/Height:	375 mm
Total Length:	21.09 m	Material:	Concrete

No.	m +	Code	Observation
1	0.00	WL	Water level, 20% of the vertical dimension
2	6.05	JN	Junction, at 2 o'clock , 100 mm dia @CON
3	11.03	WL	Water level, 30% of the vertical dimension
4	13.14	WL	Water level, 40% of the vertical dimension
5	15.47	CUW	Loss of vision, camera under water, start
6	21.09	CUW	Loss of vision, camera under water, finish
7	21.09	SA	Survey abandoned

PLR:	S1X	Upstream Node:	S1
Inspection Direction:	Downstream	Downstream Node:	S2
Inspected Length:	3.24 m	Dia/Height:	375 mm
Total Length:	3.24 m	Material:	Concrete

No.	m +	Code	Observation
1	0.00	WL	Water level, 10% of the vertical dimension
2	1.77	WL	Water level, 20% of the vertical dimension
3	3.04	JN	Junction, at 12 o'clock , 150 mm dia @CON
4	3.15	RMJ	Roots, mass at joint, 5% cross-sectional area loss
5	3.24	SC	Pipe size changes, new size(s), 300 mm high
6	3.24	RXMR	Defective repair, missing repair material, from 12 o'clock to 12 o'clock
7	3.24	SA	Survey abandoned

Section Summary

Project Name Hammonds Way	Project Number 071676	Project Date 8/28/2025
-------------------------------------	---------------------------------	----------------------------------

PLR:	S2X	Upstream Node:	S2
Inspection Direction:	Downstream	Downstream Node:	OUTLET
Inspected Length:	32.10 m	Dia/Height:	400 mm
Total Length:	32.10 m	Material:	Polyethylene

No.	m +	Code	Observation
1	0.00	WL	Water level, 10% of the vertical dimension
2	1.86	WL	Water level, 5% of the vertical dimension
3	4.23	WL	Water level, 10% of the vertical dimension
4	9.56	WL	Water level, 5% of the vertical dimension
5	19.31	WL	Water level, 10% of the vertical dimension
6	24.07	WL	Water level, 20% of the vertical dimension
7	27.05	WL	Water level, 30% of the vertical dimension
8	28.59	CN	Connection other than junction, at 10 o'clock , 150 mm dia @CON
9	31.48	WL	Water level, 40% of the vertical dimension
10	32.10	OFF	Finish node, outfall, reference: OUTLET

PLR:	S2Y	Upstream Node:	S2
Inspection Direction:	Upstream	Downstream Node:	S1
Inspected Length:	2.91 m	Dia/Height:	300 mm
Total Length:	2.91 m	Material:	Concrete

No.	m +	Code	Observation
1	0.00	WL	Water level, 10% of the vertical dimension
2	1.60	WL	Water level, 20% of the vertical dimension
3	2.61	RMJ	Roots, mass at joint, 35% cross-sectional area loss
4	2.91	SA	Survey abandoned

Abandoned section inspection



Item No. 1	Insp. No. 1	Date 28/08/25	Time 9:22	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR INLET
Operator Matthew Campbell		Vehicle S6 USL		Camera Minicam	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Hinckley	Inspection Direction:	Upstream	Upstream Node:	INLET
Road:	Hammonds Way	Inspected Length:	21.09 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	21.09 m	Downstream Node:	S1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:183 Position [m] Code Observation Grade

Depth: m
S1



0.00

WL

Water level, 20% of the vertical dimension

6.05

JN

Junction, at 2 o'clock, 100 mm dia @CON

11.03

WL

Water level, 30% of the vertical dimension

13.14

WL

Water level, 40% of the vertical dimension

15.47

S01

CUW

Loss of vision, camera under water, start

21.09

F01

CUW

Loss of vision, camera under water, finish

21.09

SA

Survey abandoned: camera under water



JN - 6.05

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

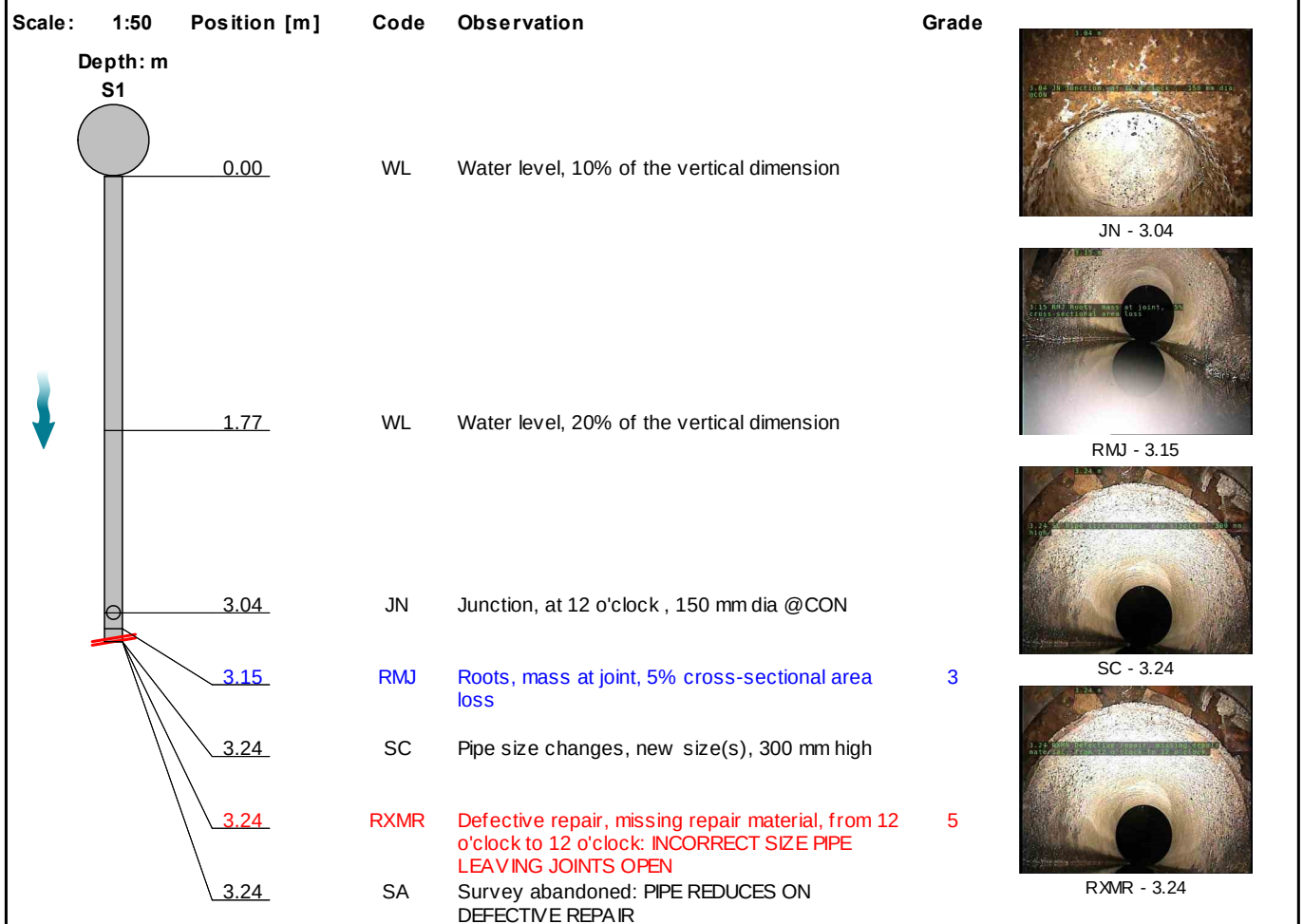
Abandoned section inspection



Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	28/08/25	9:57	Not Specified	No Rain Or Snow	No	S1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
Matthew Campbell		S6 USL		Minicam	Not Specified	Not Specified	Not Specified

Town or Village:	Hinckley	Inspection Direction:	Dow nstream	Upstream Node:	S1
Road:	Hammonds Way	Inspected Length:	3.24 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	3.24 m	Downstream Node:	S2
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface w ater	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:
Recommendations:



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	50.9	165.0	5.0	1	4.0	1.2	4.0	3.0

Completed section inspection



Item No. 3	Insp. No. 1	Date 28/08/25	Time 10:10	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S2X
Operator Matthew Campbell		Vehicle S6 USL		Camera Minicam	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Hinckley	Inspection Direction:	Dow nstream	Upstream Node:	S2
Road:	Hammonds Way	Inspected Length:	32.10 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	32.10 m	Downstream Node:	OUTLET
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface w ater	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	400 mm		
Flow Control:	No flow control	Material:	Polyethylene		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:278 Position [m] Code Observation Grade

Depth: m

S2



0.00

WL

Water level, 10% of the vertical dimension

1.86

WL

Water level, 5% of the vertical dimension

4.23

WL

Water level, 10% of the vertical dimension

9.56

WL

Water level, 5% of the vertical dimension

19.31

WL

Water level, 10% of the vertical dimension

24.07

WL

Water level, 20% of the vertical dimension

27.05

WL

Water level, 30% of the vertical dimension

28.59

CN

Connection other than junction, at 10 o'clock ,
150 mm dia @CON

31.48

WL

Water level, 40% of the vertical dimension

32.10

OFF

Finish node, outfall, reference: OUTLET

OUTLET

Depth: m



CN - 28.59

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	0	0.0	0.0	0.0	1.0

Abandoned section inspection



Item No. 4	Insp. No. 1	Date 28/08/25	Time 10:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR S2Y
Operator Matthew Campbell		Vehicle S6 USL		Camera Minicam	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Hinckley	Inspection Direction:	Upstream	Upstream Node:	S2
Road:	Hammonds Way	Inspected Length:	2.91 m	Upstream Pipe Depth:	
Location:	Road	Total Length:	2.91 m	Downstream Node:	S1
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface w ater	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	300 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:	
Recommendations:	

Scale:	1:50	Position [m]	Code	Observation	Grade
Depth: m S1					

REGISTER OF APPENDICES

A. MANHOLE INSPECTION REPORT

B. COPIES OF SITE HAND WRITTEN DAILY RECORD SHEETS

C. ANNOTATED SITE DRAWINGS

UTILITY SURVEYS LTD

5 SUFFOLK ROAD MALDON ESSEX CM9 6AX

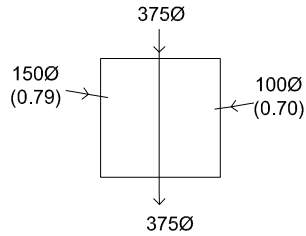
LOCATION: HAMMONDS WAY HINCKLEY

JOB REF: 071676

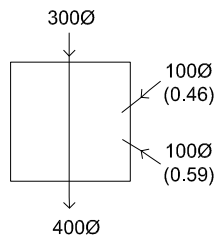
CLIENT: MJM CONSULTING ENGINEERS

DATE: 28/08/2025

MH No. S1
DEPTH. 1.16
COVER. SM
CONSTRUCTION. Br
REMARKS.



MH No. S2
DEPTH. 1.10
COVER. RM
CONSTRUCTION. Br
REMARKS.



KEY:
C - Circular
S - Square
T - Triangular

L - Light Duty
M - Medium Duty
H - Heavy Duty

Co - Concrete
Br - Brick
R - Rectangular



INLET



OUTLET



MH S1



MH S2



INLET 02



OUTLET INTO WATERCOURSE

Checked

