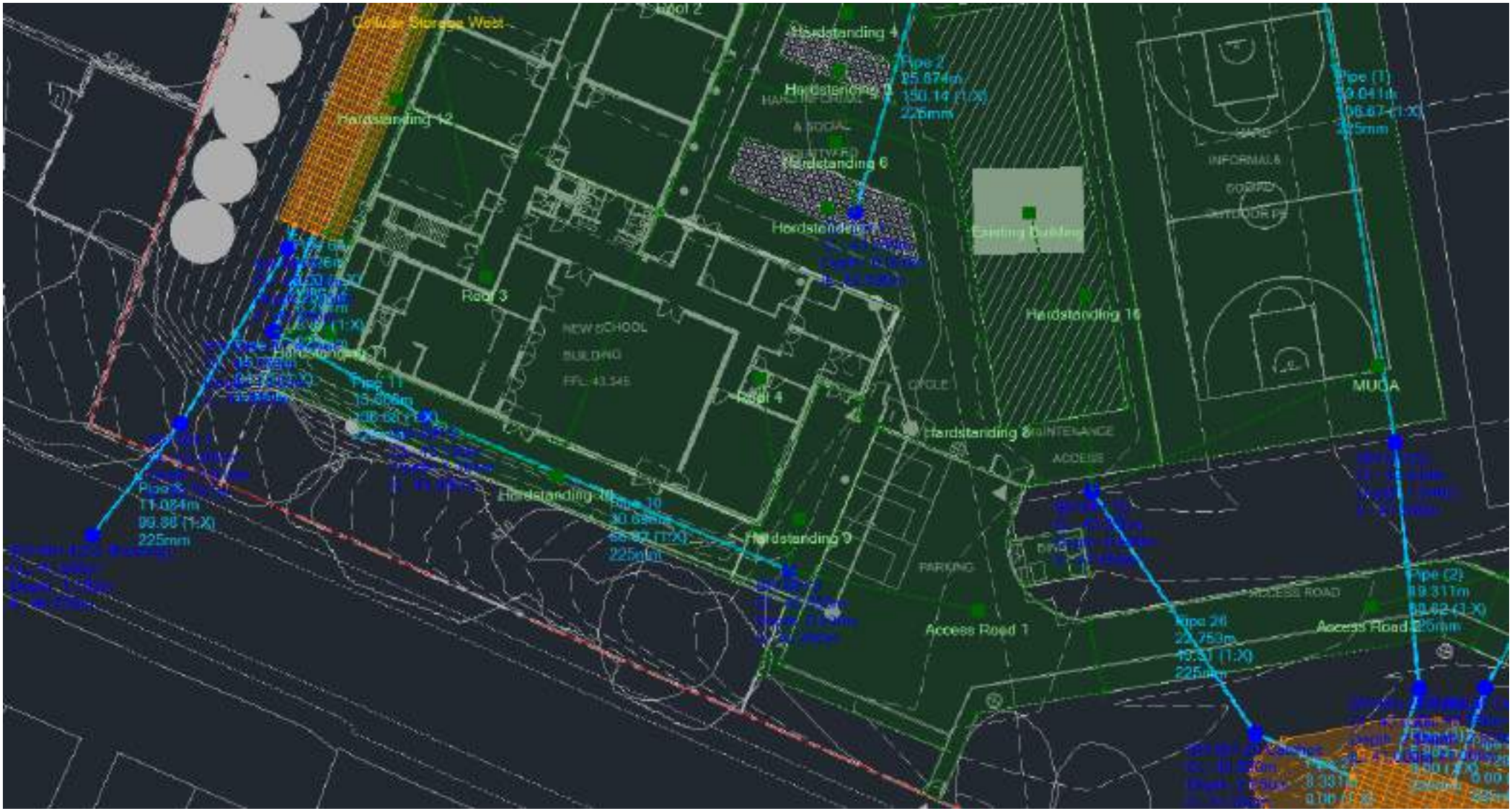
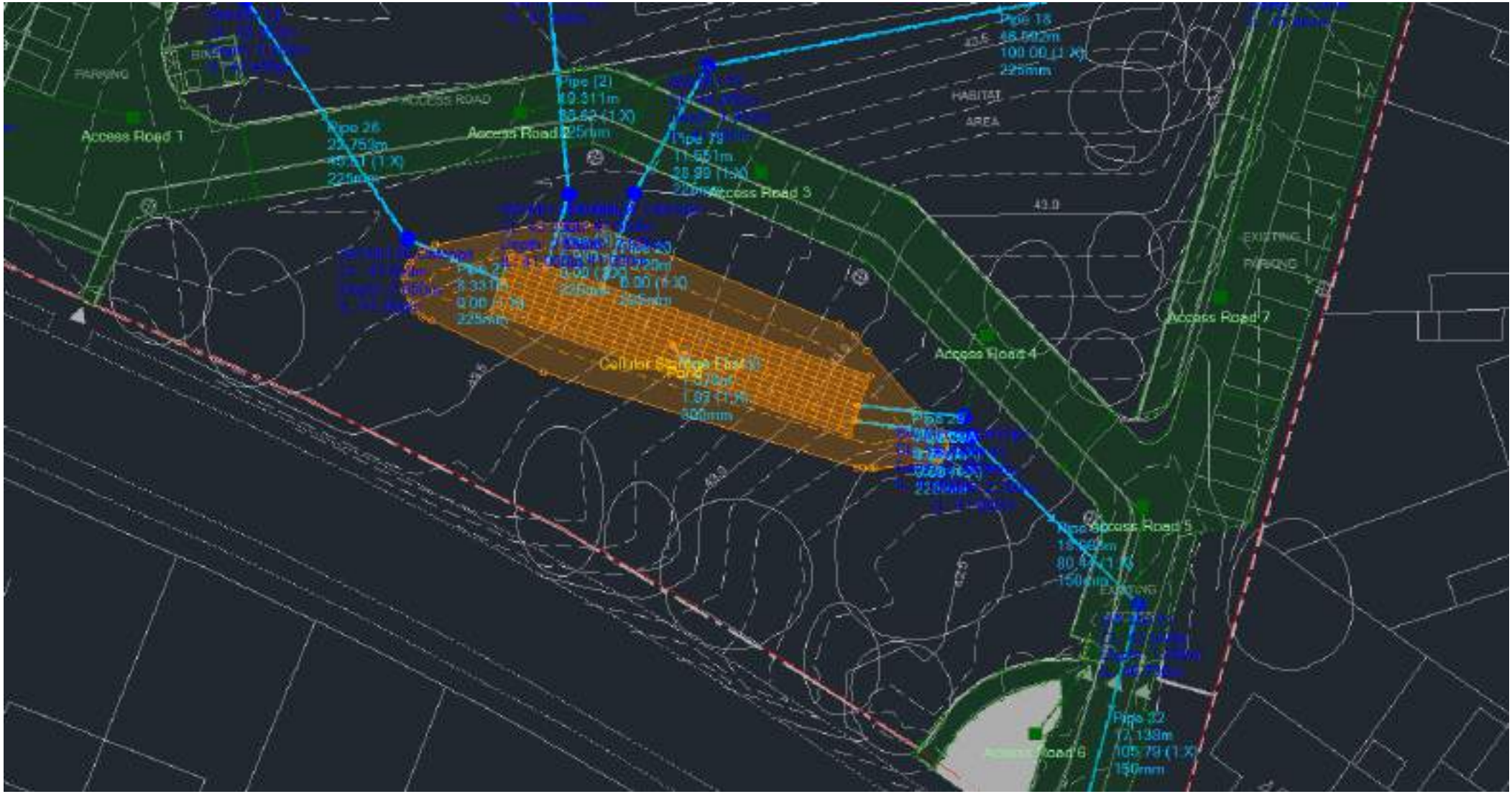
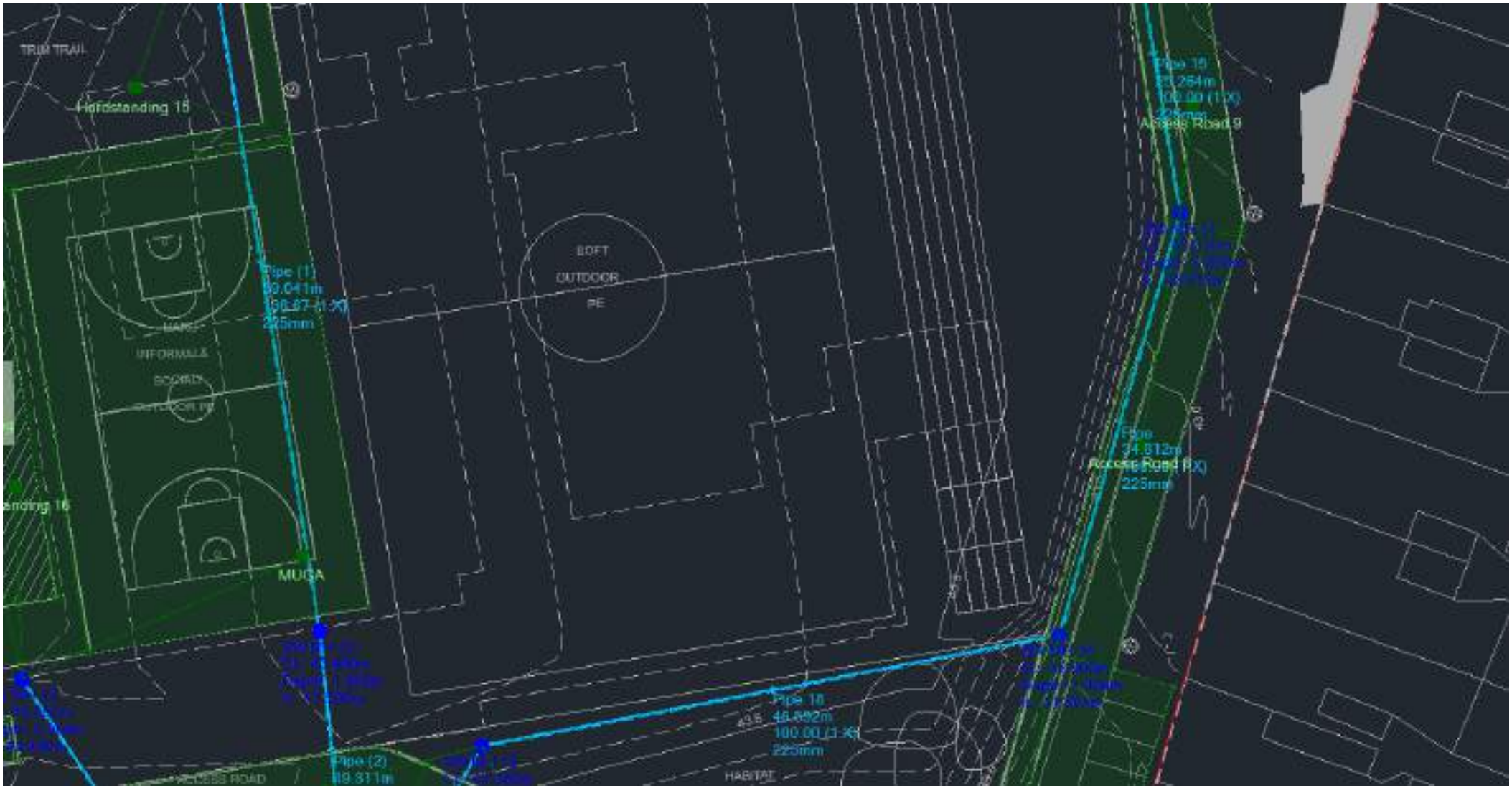
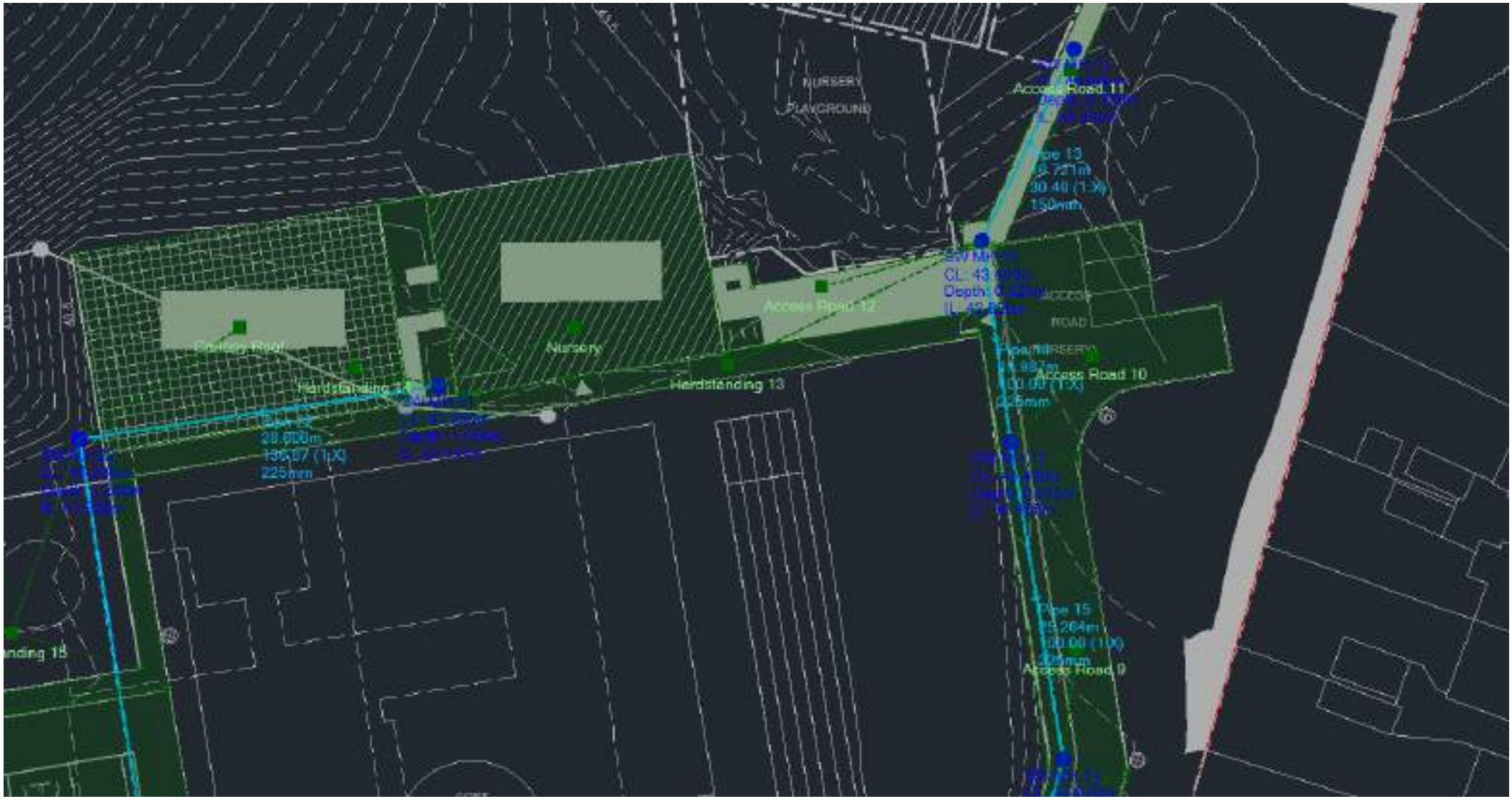
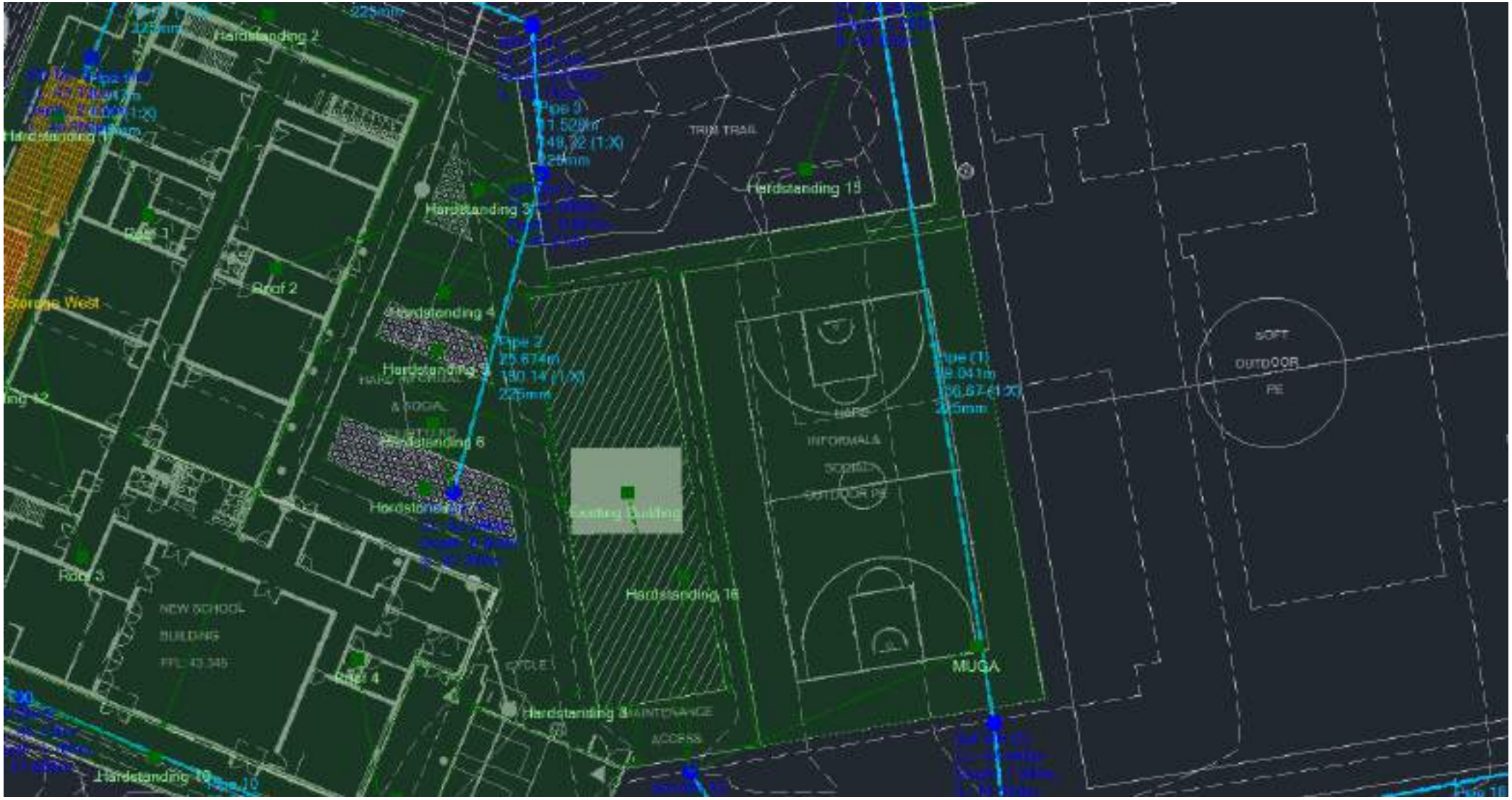

Hardstanding 4
Hardstanding 6
Hardstanding 12
Hardstanding 16
Hardstanding 9
Hardstanding 8
Roof 3
Roof 4
NEW SCHOOL
BUILDING
Existing Building
MUGA
Access Road 1
Access Road 2
PARKING
ACCESS
INFORMALS
Pipe 2
25.674m
150.14 (1:X)
225mm
Pipe (1)
Pipe 11
Pipe 10
Pipe 26
Pipe (2)
225mm



PARKING
BINS
ACCESS ROAD
Access Road 1
Pipe 26
Pipe (2)
Access Road 2
Pipe 18
HABITAT
AREA
Access Road 3
43.0
EXISTING
PARKING
Access Road 7
Access Road 4
Pipe 29
Access Road 5
Pipe 32
Access Road 6


TRIM TRAIL
Hardstanding 15
Pipe (1)
225mm
INFORMAL&
SOCIAL
MUGA
SOFT
OUTDOOR
PE
Pipe 15
Access Road 9
Pipe
34.812m
Access Road 8
225mm
Pipe 18
100.00 (1:X)
225mm
Pipe (2)
HABITAT


NURSERY
PLAYGROUND
Access Road 11
Pipe 13
150mm
Access Road 12
Nursery
Hardstanding 13
Access Road 10
Pipe 15
Access Road 9
225mm



Hardstanding 2
Hardstanding 1
Roof 1
Roof 2
Storage West
Hardstanding 4
Hardstanding 5
Hardstanding 6
Hardstanding 7
Roof 3
NEW SCHOOL
BUILDING
Roof 4
Hardstanding 8
Hardstanding 10
Pipe 3
Pipe 2
Pipe (1)
TRIM TRAIL
Hardstanding 15
Hardstanding 16
Existing Building
HARD
INFORMAL&
SOCIAL
OUTDOOR PE
MUGA
SOFT
OUTDOOR
PE

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	CampbellReith:		

Nursery

Type : Catchment Area

Area (ha)	0.033

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

MUGA

Type : Catchment Area

Area (ha)	0.084

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Existing Building

Type : Catchment Area

Area (ha)	0.032

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Roof 1

Type : Catchment Area

Area (ha)	0.035

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Roof 2

Type : Catchment Area

Area (ha)	0.035

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Roof 3

Type : Catchment Area

Area (ha)	0.041

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Roof 4

Type : Catchment Area

Area (ha)	0.034

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 1

Type : Catchment Area

Area (ha)	0.015

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 2

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 3

Type : Catchment Area

Area (ha)	0.017

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 4

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 5

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 6

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 7

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 8

Type : Catchment Area

Area (ha)	0.01

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 9

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 10

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 11

Type : Catchment Area

Area (ha)	0.005

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 12

Type : Catchment Area

Area (ha)	0.004

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 1

Type : Catchment Area

Area (ha)	0.039

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 2

Type : Catchment Area

Area (ha)	0.018

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 3

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 4

Type : Catchment Area

Area (ha)	0.014

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 6

Type : Catchment Area

Area (ha)	0.015

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 5

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 7

Type : Catchment Area

Area (ha)	0.037

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 8

Type : Catchment Area

Area (ha)	0.021

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 9

Type : Catchment Area

Area (ha)	0.015

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 10

Type : Catchment Area

Area (ha)	0.023

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 11

Type : Catchment Area

Area (ha)	0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Access Road 12

Type : Catchment Area

Area (ha)	0.011

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 13

Type : Catchment Area

Area (ha)	0.008

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 14

Type : Catchment Area

Area (ha)	0.013

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Canopy Roof

Type : Catchment Area

Area (ha)	0.037

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 15

Type : Catchment Area

Area (ha)	0.007

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Hardstanding 16

Type : Catchment Area

Area (ha)	0.009

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	CampbellReith:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SW MH 11	Manhole	516651.192	131428.198	44.000	0.750	43.250	0.000	Circular
SW MH 12	Manhole	516643.942	131413.131	43.450	0.825	42.625	0.000	Circular
SW MH 13	Manhole	516646.220	131397.307	43.400	0.935	42.465	0.000	Circular
SW MH 14	Manhole	516650.341	131372.381	43.070	0.858	42.212	0.000	Circular
SW MH 15	Manhole	516640.758	131338.914	42.900	1.036	41.864	0.000	Circular
SW MH 16	Manhole	516595.005	131330.114	43.350	1.952	41.398	0.000	Circular
SW MH 17 Catchpit	Manhole	516589.237	131320.106	43.550	2.550	41.000	0.000	Circular
SW MH 26 Catchpit	Manhole	516615.301	131302.496	43.750	2.750	41.000	0.600	Circular
SW MH 30	Manhole	516615.816	131300.899	43.750	2.750	41.000	0.000	Circular
SW MH 31	Manhole	516629.009	131287.699	42.550	1.782	40.768	0.000	Circular
SW13 (Existing)	Manhole	516631.305	131266.713	42.230	1.700	40.530	0.000	Circular
SW MH 6252 (Existing)	Manhole	516627.926	131257.684	41.980	2.060	39.920	0.000	Circular
SW MH 21	Manhole	516601.184	131401.733	43.200	1.059	42.141	0.000	Circular
SW MH 22	Manhole	516572.887	131397.540	43.200	1.268	41.932	0.000	Circular
SW MH 18	Manhole	516558.611	131335.410	43.350	0.900	42.450	0.000	Circular
SW MH 20 Catchpit	Manhole	516571.325	131316.541	43.650	2.650	41.000	0.000	Circular
SW MH 1	Manhole	516540.173	131357.193	43.290	0.900	42.390	0.000	Circular
SW MH 3	Manhole	516546.267	131393.437	43.070	0.928	42.142	0.000	Circular
SW MH 4	Manhole	516517.891	131404.976	43.000	1.063	41.937	0.000	Circular
SW MH 6	Manhole	516495.879	131354.346	43.100	2.150	40.950	0.000	Circular
SW MH 7	Manhole	516487.570	131340.662	43.200	2.419	40.781	0.000	Circular
SW MH 4253 (Existing)	Manhole	516480.665	131331.991	41.860	1.190	40.670	0.000	Circular
SW MH 10 Catchpit	Manhole	516494.793	131347.907	43.150	1.265	41.885	0.000	Circular
SW MH 9	Manhole	516506.696	131341.188	43.150	1.165	41.985	0.000	Circular
SW MH 8	Manhole	516534.980	131329.256	43.350	0.900	42.450	0.000	Circular
SW MH 5 Catchpit	Manhole	516512.039	131390.881	43.100	2.150	40.950	0.000	Circular
SW MH 2	Manhole	516547.032	131381.934	43.200	0.981	42.219	0.000	Circular
SW MH 23	Manhole	516582.190	131339.237	43.440	1.940	41.500	0.000	Circular
SW MH 24 Catchpit	Manhole	516584.118	131320.022	43.550	2.550	41.000	0.000	Circular
SW MH 32	Manhole	516624.679	131271.117	42.100	1.494	40.606	0.000	Circular

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	CampbellReith:		

Name	Diameter (m)	Lock
SW MH 11	1.200	None
SW MH 12	1.200	None
SW MH 13	1.200	None
SW MH 14	1.200	None
SW MH 15	1.200	None
SW MH 16	1.200	None
SW MH 17 Catchpit	1.200	None
SW MH 26 Catchpit	1.200	None
SW MH 30	1.200	None
SW MH 31	1.200	None
SW13 (Existing)	1.200	None
SW MH 6252 (Existing)	1.200	None
SW MH 21	1.200	None
SW MH 22	1.200	None
SW MH 18	1.200	None
SW MH 20 Catchpit	1.200	None
SW MH 1	1.200	None
SW MH 3	1.200	None
SW MH 4	1.200	None
SW MH 6	1.200	None
SW MH 7	1.200	None
SW MH 4253 (Existing)	1.200	None
SW MH 10 Catchpit	1.200	None
SW MH 9	1.200	None
SW MH 8	1.200	None
SW MH 5 Catchpit	1.200	None
SW MH 2	1.200	None
SW MH 23	1.200	None
SW MH 24 Catchpit	1.200	None
SW MH 32	1.200	None

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	CampbellReith:		

Inlets

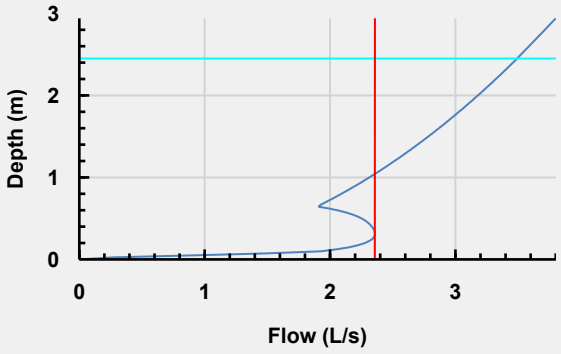
Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SW MH 11	Inlet	Access Road 11	(None)	No Restriction
SW MH 12	Inlet	Pipe 13 Access Road 12 Hardstanding 13	(None)	No Restriction
SW MH 13	Inlet	Pipe 14	(None)	No Restriction
	Inlet (2)	Access Road 10	(None)	No Restriction
SW MH 14	Inlet	Pipe 15 Access Road 9 Access Road 8	(None)	No Restriction
SW MH 15	Inlet	Pipe	(None)	No Restriction
	Inlet (1)	Access Road 7	(None)	No Restriction
SW MH 16	Inlet	Pipe 18 Access Road 2	(None)	No Restriction
	Inlet (1)	Access Road 3	(None)	No Restriction
SW MH 17 Catchpit	Inlet	Pipe 19	(None)	No Restriction
SW MH 26 Catchpit	Inlet	Access Road 4	(None)	No Restriction
SW MH 30	Inlet	Pipe 29A	(None)	No Restriction
SW MH 31	Inlet	Pipe 30 Access Road 5 Access Road 6	(None)	No Restriction
SW13 (Existing)	Inlet	Pipe 32 (1)	(None)	No Restriction
SW MH 6252 (Existing)	Inlet	Pipe 33	(None)	No Restriction
SW MH 21	Inlet	Nursery	(None)	No Restriction
	Inlet (1)	Hardstanding 14	(None)	No Restriction
SW MH 22	Inlet	Pipe 22 Hardstanding 15	(None)	No Restriction
	Inlet (1)	Canopy Roof	(None)	No Restriction
SW MH 18	Inlet (2)	MUGA Hardstanding 16 Existing Building	(None)	No Restriction
SW MH 20 Catchpit	Inlet	Pipe 26	(None)	No Restriction
SW MH 1	Inlet	Hardstanding 7 Hardstanding 5	(None)	No Restriction
	Inlet (1)	Hardstanding 6	(None)	No Restriction
SW MH 3	Inlet	Pipe 3	(None)	No Restriction
SW MH 4	Inlet	Pipe 4 Hardstanding 2	(None)	No Restriction
SW MH 6	Inlet	Pipe 6A	(None)	No Restriction
SW MH 7	Inlet	Pipe 7	(None)	No Restriction
SW MH 4253 (Existing)	Inlet	Pipe 8	(None)	No Restriction
SW MH 10 Catchpit	Inlet	Pipe 11	(None)	No Restriction
	Inlet (1)	Hardstanding 11	(None)	No Restriction
SW MH 9	Inlet	Pipe 10 Hardstanding 10	(None)	No Restriction
SW MH 8	Inlet (1)	Access Road 1 Hardstanding 9 Roof 4	(None)	No Restriction
SW MH 5 Catchpit	Inlet	Pipe 5	(None)	No Restriction
	Inlet (1)	Roof 1	(None)	No Restriction
SW MH 2	Inlet	Pipe 2 Hardstanding 3 Hardstanding 4	(None)	No Restriction
	Inlet (1)	Roof 2	(None)	No Restriction
SW MH 23	Inlet	Pipe (1)	(None)	No Restriction
SW MH 24 Catchpit	Inlet	Pipe (2)	(None)	No Restriction
SW MH 32	Inlet	Pipe 32	(None)	No Restriction

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	CampbellReith:		

Outlets

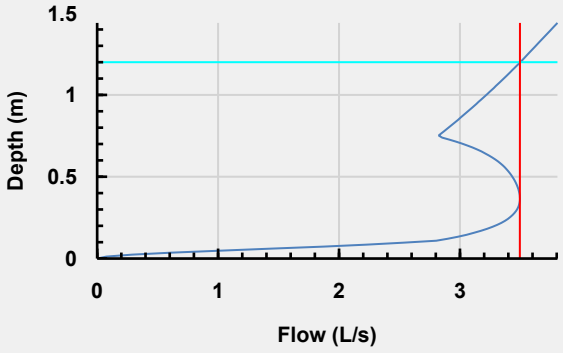
Junction	Outlet Name	Outgoing Connection	Outlet Type
SW MH 11	Outlet	Pipe 13	Free Discharge
SW MH 12	Outlet	Pipe 14	Free Discharge
SW MH 13	Outlet	Pipe 15	Free Discharge
SW MH 14	Outlet	Pipe	Free Discharge
SW MH 15	Outlet	Pipe 18	Free Discharge
SW MH 16	Outlet	Pipe 19	Free Discharge
SW MH 17 Catchpit	Outlet	Pipe 20	Free Discharge
SW MH 26 Catchpit	Outlet	Pipe 29	Free Discharge
SW MH 30	Outlet	Pipe 30	Hydro-Brake®

Invert Level (m)	41.000
Design Depth (m)	2.450
Design Flow (L/s)	3.5
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☑
Unit Reference	SHE-0072-3500-2450-3500



SW MH 31	Outlet	Pipe 32	Free Discharge
SW13 (Existing)	Outlet	Pipe 33	Free Discharge
SW MH 21	Outlet	Pipe 22	Free Discharge
SW MH 22	Outlet	Pipe (1)	Free Discharge
SW MH 18	Outlet	Pipe 26	Free Discharge
SW MH 20 Catchpit	Outlet	Pipe 27	Free Discharge
SW MH 1	Outlet	Pipe 2	Free Discharge
SW MH 3	Outlet	Pipe 4	Free Discharge
SW MH 4	Outlet	Pipe 5	Free Discharge
	Outlet	Pipe 7	Hydro-Brake®

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	CampbellReith:		

Junction	Outlet Name	Outgoing Connection	Outlet Type
SW MH 6	Invert Level (m)	40.950	
	Design Depth (m)	1.200	
	Design Flow (L/s)	3.5	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☑	
	Unit Reference	SHE-0086-3500-1200-3500	
			
SW MH 7	Outlet	Pipe 8	Free Discharge
SW MH 10 Catchpit	Outlet	Pipe 12	Free Discharge
SW MH 9	Outlet	Pipe 11	Free Discharge
SW MH 8	Outlet	Pipe 10	Free Discharge
SW MH 5 Catchpit	Outlet	Pipe 6	Free Discharge
SW MH 2	Outlet	Pipe 3	Free Discharge
SW MH 23	Outlet	Pipe (2)	Free Discharge
SW MH 24 Catchpit	Outlet	Pipe (3)	Free Discharge
SW MH 32	Outlet	Pipe 32 (1)	Free Discharge

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	CampbellReith:		

Pond

Type : Pond

Dimensions

Exceedance Level (m)	43.750
Depth (m)	1.150
Base Level (m)	42.600
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	2.495
Total Volume (m³)	257.496

Depth (m)	Area (m²)	Volume (m³)
0.000	240.000	0.000
1.150	423.415	376.507

Outlets

Outlet

Outgoing Connection	Pipe (Tank)
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	44.802
Friction Scheme	Manning's n
n	0.5

Cellular Storage East

Type : Cellular Storage

Dimensions

Exceedance Level (m)	42.600
Depth (m)	1.200
Base Level (m)	41.000
Number of Crates Long	30
Number of Crates Wide	10
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	171.400

Inlets

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (Tank)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe 27
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (7)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe 20
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (8)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe 29
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (3)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe 29A
Outlet Type	Free Discharge

Cellular Storage West

Type : Cellular Storage

Dimensions

Exceedance Level (m)	43.100
Depth (m)	1.200
Base Level (m)	40.950
Number of Crates Long	51
Number of Crates Wide	14
Number of Crates High	8
Porosity (%)	95
Crate Length (m)	0.708
Crate Width (m)	0.354
Crate Height (m)	0.15
Total Volume (m³)	204.954

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe 12
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (4)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe 6
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Roof 3
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Hardstanding 1
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Hardstanding 12
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe 6A
Outlet Type	Free Discharge

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Phase	CampbellReith:		

Name	From	To	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)
Pipe 13	SW MH 11	SW MH 12	16.721	Pipe	30.401		0.6	150
Pipe 14	SW MH 12	SW MH 13	15.987	Pipe	100.000		0.6	225
Pipe 15	SW MH 13	SW MH 14	25.264	Pipe	100.000		0.6	225
Pipe 18	SW MH 15	SW MH 16	46.592	Pipe	100.000		0.6	225
Pipe 19	SW MH 16	SW MH 17 Catchpit	11.551	Pipe	28.990		0.6	225
Pipe 30	SW MH 30	SW MH 31	18.663	Pipe	80.443		0.6	150
Pipe 33	SW13 (Existing)	SW MH 6252 (Existing)	9.641	Pipe	15.804		0.6	150
Pipe 22	SW MH 21	SW MH 22	28.606	Pipe	136.871		0.6	225
Pipe 26	SW MH 18	SW MH 20 Catchpit	22.753	Pipe	45.505		0.6	225
Pipe 10	SW MH 8	SW MH 9	30.698	Pipe	66.017		0.6	225
Pipe 11	SW MH 9	SW MH 10 Catchpit	13.668	Pipe	136.684		0.6	225
Pipe 7	SW MH 6	SW MH 7	16.009	Pipe	94.728		0.6	225
Pipe 8	SW MH 7	SW MH 4253 (Existing)	11.084	Pipe	99.860		0.6	225
Pipe 4	SW MH 3	SW MH 4	30.632	Pipe	149.269		0.6	225
Pipe 5	SW MH 4	SW MH 5 Catchpit	15.262	Pipe	15.466		0.6	225
Pipe 27	SW MH 20 Catchpit	Cellular Storage East	8.331	Pipe	0.000		0.6	225
Pipe 20	SW MH 17 Catchpit	Cellular Storage East	7.720	Pipe	0.000		0.6	225
Pipe 29	SW MH 26 Catchpit	Cellular Storage East	8.549	Pipe	0.000		0.6	150
Pipe 29A	Cellular Storage East	SW MH 30	9.265	Pipe	0.000		0.6	225
Pipe 6A	Cellular Storage West	SW MH 6	1.926	Pipe	0.000		0.6	225
Pipe (Tank)	Pond	Cellular Storage East	1.378	Pipe	1.969		0.6	300
Pipe 12	SW MH 10 Catchpit	Cellular Storage West	8.291	Pipe	8.867		0.6	225
Pipe 2	SW MH 1	SW MH 2	25.674	Pipe	150.141		0.6	225
Pipe 3	SW MH 2	SW MH 3	11.528	Pipe	149.720		0.6	225
Pipe 6	SW MH 5 Catchpit	Cellular Storage West	1.947	Pipe	0.000		0.6	225
Pipe	SW MH 14	SW MH 15	34.812	Pipe	100.000		0.6	225
Pipe (1)	SW MH 22	SW MH 23	59.041	Pipe	136.668		0.6	225
Pipe (2)	SW MH 23	SW MH 24 Catchpit	19.311	Pipe	38.623		0.6	225
Pipe (3)	SW MH 24 Catchpit	Cellular Storage East	5.980	Pipe	0.000		0.6	225
Pipe 32	SW MH 31	SW MH 32	17.138	Pipe	105.790		0.6	150
Pipe 32 (1)	SW MH 32	SW13 (Existing)	7.956	Pipe	104.685		0.6	150

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Phase	CampbellReith:		

Name	Height (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Min. Cover Depth (m)
Pipe 13		44.000	43.250	43.450	42.700		Levels	0.000
Pipe 14		43.450	42.625	43.400	42.465		None	0.000
Pipe 15		43.400	42.465	43.070	42.212		None	0.000
Pipe 18		42.900	41.864	43.350	41.398		None	0.000
Pipe 19		43.350	41.398	43.550	41.000		None	0.000
Pipe 30		43.750	41.000	42.550	40.768		None	0.000
Pipe 33		42.230	40.530	41.980	39.920		None	0.000
Pipe 22		43.200	42.141	43.200	41.932		None	0.000
Pipe 26		43.350	42.450	43.650	41.950		Levels	0.000
Pipe 10		43.350	42.450	43.150	41.985		None	0.000
Pipe 11		43.150	41.985	43.150	41.885		Levels	0.000
Pipe 7		43.100	40.950	43.200	40.781		None	0.000
Pipe 8		43.200	40.781	41.860	40.670		None	0.000
Pipe 4		43.070	42.142	43.000	41.937		None	0.000
Pipe 5		43.000	41.937	43.100	40.950		None	0.000
Pipe 27		43.650	41.000	42.600	41.000		None	0.000
Pipe 20		43.550	41.000	42.600	41.000		None	0.000
Pipe 29		43.750	41.000	43.000	41.000		Levels	0.000
Pipe 29A		42.600	41.000	43.750	41.000		None	0.000
Pipe 6A		43.100	40.950	43.100	40.950		None	0.000
Pipe (Tank)		43.750	42.600	42.600	41.900		Levels	0.000
Pipe 12		43.150	41.885	43.100	40.950		Levels	0.000
Pipe 2		43.290	42.390	43.200	42.219		None	0.000
Pipe 3		43.200	42.219	43.070	42.142		None	0.000
Pipe 6		43.100	40.950	43.100	40.950		Levels	0.000
Pipe		43.070	42.212	42.900	41.864		None	0.000
Pipe (1)		43.200	41.932	43.440	41.500		None	0.000
Pipe (2)		43.440	41.500	43.550	41.000		None	0.000
Pipe (3)		43.550	41.000	42.600	41.000		None	0.000
Pipe 32		42.550	40.768	42.100	40.606		None	0.000
Pipe 32 (1)		42.100	40.606	42.230	40.530		None	0.000

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Connections Storm Phase: Phase	CampbellReith:		

Name	Flow Restriction (L/s)	Culvert Type	Culvert Entrance
Pipe 13		(None)	(None)
Pipe 14		(None)	(None)
Pipe 15		(None)	(None)
Pipe 18		(None)	(None)
Pipe 19		(None)	(None)
Pipe 30	3.7	(None)	(None)
Pipe 33		(None)	(None)
Pipe 22		(None)	(None)
Pipe 26		(None)	(None)
Pipe 10		(None)	(None)
Pipe 11		(None)	(None)
Pipe 7	3.8	(None)	(None)
Pipe 8		(None)	(None)
Pipe 4		(None)	(None)
Pipe 5		(None)	(None)
Pipe 27		(None)	(None)
Pipe 20		(None)	(None)
Pipe 29		(None)	(None)
Pipe 29A		(None)	(None)
Pipe 6A		(None)	(None)
Pipe (Tank)		(None)	(None)
Pipe 12		(None)	(None)
Pipe 2		(None)	(None)
Pipe 3		(None)	(None)
Pipe 6		(None)	(None)
Pipe		(None)	(None)
Pipe (1)		(None)	(None)
Pipe (2)		(None)	(None)
Pipe (3)		(None)	(None)
Pipe 32		(None)	(None)
Pipe 32 (1)		(None)	(None)

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW MH 11	44.000 43.250	Diameter / Length: 1.200					Manhole
E:516651.192 N:131428.198	0.750		{a} Pipe 13	Pipe	43.250	Diam/Width:150	Not Applicable
SW MH 12	43.450 42.625	Diameter / Length: 1.200	{1} Pipe 13	Pipe	42.700	Diam/Width:150	Manhole
E:516643.942 N:131413.131	0.825		{a} Pipe 14	Pipe	42.625	Diam/Width:225	Not Applicable
SW MH 13	43.400 42.465	Diameter / Length: 1.200	{1} Pipe 14	Pipe	42.465	Diam/Width:225	Manhole
E:516646.220 N:131397.307	0.935		{a} Pipe 15	Pipe	42.465	Diam/Width:225	Not Applicable
SW MH 14	43.070 42.212	Diameter / Length: 1.200	{1} Pipe 15	Pipe	42.212	Diam/Width:225	Manhole
E:516650.341 N:131372.381	0.858		{a} Pipe	Pipe	42.212	Diam/Width:225	Not Applicable
SW MH 15	42.900 41.864	Diameter / Length: 1.200	{1} Pipe	Pipe	41.864	Diam/Width:225	Manhole
E:516640.758 N:131338.914	1.036		{a} Pipe 18	Pipe	41.864	Diam/Width:225	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW MH 16	43.350 41.398	Diameter / Length: 1.200	{1} Pipe 18	Pipe	41.398	Diam/Width:225	Manhole
E:516595.005 N:131330.114	1.952		{a} Pipe 19	Pipe	41.398	Diam/Width:225	Not Applicable
SW MH 17 Catchpit	43.550 41.000	Diameter / Length: 1.200	{1} Pipe 19	Pipe	41.000	Diam/Width:225	Manhole
E:516589.237 N:131320.106	2.550		{a} Pipe 20	Pipe	41.000	Diam/Width:225	Not Applicable
SW MH 26 Catchpit	43.750 41.000	Diameter / Length: 1.200					Manhole
E:516615.301 N:131302.496	2.750		{a} Pipe 29	Pipe	41.000	Diam/Width:150	Not Applicable
SW MH 30	43.750 41.000	Diameter / Length: 1.200	{1} Pipe 29A	Pipe	41.000	Diam/Width:225	Manhole
E:516615.816 N:131300.899	2.750		{a} Pipe 30	Pipe	41.000	Diam/Width:150	Not Applicable
SW MH 31	42.550 40.768	Diameter / Length: 1.200	{1} Pipe 30	Pipe	40.768	Diam/Width:150	Manhole
E:516629.009 N:131287.699	1.782		{a} Pipe 32	Pipe	40.768	Diam/Width:150	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW13 (Existing)	42.230 40.530	Diameter / Length: 1.200	{1} Pipe 32 (1)	Pipe	40.530	Diam/Width:150	Manhole
E:516631.305 N:131266.713	1.700		{a} Pipe 33	Pipe	40.530	Diam/Width:150	Not Applicable
SW MH 6252 (Existing)	41.980 39.920	Diameter / Length: 1.200	{1} Pipe 33	Pipe	39.920	Diam/Width:150	Manhole
E:516627.926 N:131257.684	2.060						Not Applicable
SW MH 21	43.200 42.141	Diameter / Length: 1.200					Manhole
E:516601.184 N:131401.733	1.059		{a} Pipe 22	Pipe	42.141	Diam/Width:225	Not Applicable
SW MH 22	43.200 41.932	Diameter / Length: 1.200	{1} Pipe 22	Pipe	41.932	Diam/Width:225	Manhole
E:516572.887 N:131397.540	1.268		{a} Pipe (1)	Pipe	41.932	Diam/Width:225	Not Applicable
SW MH 18	43.350 42.450	Diameter / Length: 1.200					Manhole
E:516558.611 N:131335.410	0.900		{a} Pipe 26	Pipe	42.450	Diam/Width:225	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW MH 20 Catchpit	43.650 41.000	Diameter / Length: 1.200	{1} Pipe 26	Pipe	41.950	Diam/Width:225	Manhole
E:516571.325 N:131316.541	2.650		{a} Pipe 27	Pipe	41.000	Diam/Width:225	Not Applicable
SW MH 1	43.290 42.390	Diameter / Length: 1.200					Manhole
E:516540.173 N:131357.193	0.900		{a} Pipe 2	Pipe	42.390	Diam/Width:225	Not Applicable
SW MH 3	43.070 42.142	Diameter / Length: 1.200	{1} Pipe 3	Pipe	42.142	Diam/Width:225	Manhole
E:516546.267 N:131393.437	0.928		{a} Pipe 4	Pipe	42.142	Diam/Width:225	Not Applicable
SW MH 4	43.000 41.937	Diameter / Length: 1.200	{1} Pipe 4	Pipe	41.937	Diam/Width:225	Manhole
E:516517.891 N:131404.976	1.063		{a} Pipe 5	Pipe	41.937	Diam/Width:225	Not Applicable
SW MH 6	43.100 40.950	Diameter / Length: 1.200	{1} Pipe 6A	Pipe	40.950	Diam/Width:225	Manhole
E:516495.879 N:131354.346	2.150		{a} Pipe 7	Pipe	40.950	Diam/Width:225	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW MH 7	43.200 40.781	Diameter / Length: 1.200	{1} Pipe 7	Pipe	40.781	Diam/Width:225	Manhole
E:516487.570 N:131340.662	2.419		{a} Pipe 8	Pipe	40.781	Diam/Width:225	Not Applicable
SW MH 4253 (Existing)	41.860 40.670	Diameter / Length: 1.200	{1} Pipe 8	Pipe	40.670	Diam/Width:225	Manhole
E:516480.665 N:131331.991	1.190						Not Applicable
SW MH 10 Catchpit	43.150 41.885	Diameter / Length: 1.200	{1} Pipe 11	Pipe	41.885	Diam/Width:225	Manhole
E:516494.793 N:131347.907	1.265		{a} Pipe 12	Pipe	41.885	Diam/Width:225	Not Applicable
SW MH 9	43.150 41.985	Diameter / Length: 1.200	{1} Pipe 10	Pipe	41.985	Diam/Width:225	Manhole
E:516506.696 N:131341.188	1.165		{a} Pipe 11	Pipe	41.985	Diam/Width:225	Not Applicable
SW MH 8	43.350 42.450	Diameter / Length: 1.200					Manhole
E:516534.980 N:131329.256	0.900		{a} Pipe 10	Pipe	42.450	Diam/Width:225	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Phase	CampbellReith:		

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW MH 5 Catchpit	43.100 40.950	Diameter / Length: 1.200	{1} Pipe 5	Pipe	40.950	Diam/Width:225	Manhole
E:516512.039 N:131390.881	2.150		{a} Pipe 6	Pipe	40.950	Diam/Width:225	Not Applicable
SW MH 2	43.200 42.219	Diameter / Length: 1.200	{1} Pipe 2	Pipe	42.219	Diam/Width:225	Manhole
E:516547.032 N:131381.934	0.981		{a} Pipe 3	Pipe	42.219	Diam/Width:225	Not Applicable
SW MH 23	43.440 41.500	Diameter / Length: 1.200	{1} Pipe (1)	Pipe	41.500	Diam/Width:225	Manhole
E:516582.190 N:131339.237	1.940		{a} Pipe (2)	Pipe	41.500	Diam/Width:225	Not Applicable
SW MH 24 Catchpit	43.550 41.000	Diameter / Length: 1.200	{1} Pipe (2)	Pipe	41.000	Diam/Width:225	Manhole
E:516584.118 N:131320.022	2.550		{a} Pipe (3)	Pipe	41.000	Diam/Width:225	Not Applicable
SW MH 32	42.100 40.606	Diameter / Length: 1.200	{1} Pipe 32	Pipe	40.606	Diam/Width:150	Manhole
E:516624.679 N:131271.117	1.494		{a} Pipe 32 (1)	Pipe	40.606	Diam/Width:150	Not Applicable

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Phase	CampbellReith:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Access Road 1	SW MH 8		Time of Concentration	0.039	100	0	100	0.039
Access Road 2	SW MH 16		Time of Concentration	0.018	100	0	100	0.018
Access Road 3	SW MH 16		Time of Concentration	0.013	100	0	100	0.013
Access Road 4	SW MH 26 Catchpit		Time of Concentration	0.014	100	0	100	0.014
Access Road 5	SW MH 31		Time of Concentration	0.021	100	0	100	0.021
Access Road 6	SW MH 31		Time of Concentration	0.015	100	0	100	0.015
Access Road 7	SW MH 15		Time of Concentration	0.037	100	0	100	0.037
Access Road 8	SW MH 14		Time of Concentration	0.021	100	0	100	0.021
Access Road 9	SW MH 14		Time of Concentration	0.015	100	0	100	0.015
Access Road 10	SW MH 13		Time of Concentration	0.023	100	0	100	0.023
Access Road 11	SW MH 11		Time of Concentration	0.006	100	0	100	0.006
Access Road 12	SW MH 12		Time of Concentration	0.011	100	0	100	0.011
Canopy Roof	SW MH 22		Time of Concentration	0.037	100	0	100	0.037
Existing Building	SW MH 18		Time of Concentration	0.032	100	0	100	0.032
Hardstanding 1	Cellular Storage West		Time of Concentration	0.015	100	0	100	0.015
Hardstanding 2	SW MH 4		Time of Concentration	0.009	100	0	100	0.009
Hardstanding 3	SW MH 2		Time of Concentration	0.017	100	0	100	0.017
Hardstanding 4	SW MH 2		Time of Concentration	0.006	100	0	100	0.006
Hardstanding 5	SW MH 1		Time of Concentration	0.007	100	0	100	0.007
Hardstanding 6	SW MH 1		Time of Concentration	0.008	100	0	100	0.008
Hardstanding 7	SW MH 1		Time of Concentration	0.013	100	0	100	0.013
Hardstanding 8			Time of Concentration	0.010	100	0	100	0.010
Hardstanding 9	SW MH 8		Time of Concentration	0.009	100	0	100	0.009
Hardstanding 10	SW MH 9		Time of Concentration	0.014	100	0	100	0.014
Hardstanding 11	SW MH 10 Catchpit		Time of Concentration	0.005	100	0	100	0.005
Hardstanding 12	Cellular Storage West		Time of Concentration	0.004	100	0	100	0.004
Hardstanding 13	SW MH 12		Time of Concentration	0.008	100	0	100	0.008
Hardstanding 14	SW MH 21		Time of Concentration	0.013	100	0	100	0.013
Hardstanding 15	SW MH 22		Time of Concentration	0.007	100	0	100	0.007
Hardstanding 16	SW MH 18		Time of Concentration	0.009	100	0	100	0.009
MUGA	SW MH 18		Time of Concentration	0.084	100	0	100	0.084
Nursery	SW MH 21		Time of Concentration	0.033	100	0	100	0.033
Roof 1	SW MH 5 Catchpit		Time of Concentration	0.035	100	0	100	0.035

Roof 2	SW MH 2		Time of Concentration	0.035	100	0	100	0.035
Roof 3	Cellular Storage West		Time of Concentration	0.041	100	0	100	0.041
Roof 4	SW MH 8		Time of Concentration	0.034	100	0	100	0.034
TOTAL		**0.0**		**0.717**				**0.717**

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Prefill Manhole Sumps	☐
Perform No Discharge Analysis	☐

Rainfall

FEH22

Type: FEH

Site Location	GB 516050 131150 TQ 16050 31150
Rainfall Version	2022
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	40.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	1080
480	960
600	1200
720	2880
960	1920
1440	2880
2160	4320
2880	5760
4320	8640
5760	11520
7200	14400
8640	17280
10080	20160

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	CampbellReith:		

FSR 15 MIN

Type: FSR

Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.350
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000
30.0	40.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30

FSR ALL

Type: FSR

Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.362
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880
2160	4320
2880	5760
4320	8640
5760	11520
7200	14400
8640	17280
10080	20160

FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
Nursery	FEH22: 2 years: +0 %: 15 mins: Summer	0.03	6.7	2.925
MUGA	FEH22: 2 years: +0 %: 15 mins: Summer	0.08	17.3	7.502
Existing Building	FEH22: 2 years: +0 %: 15 mins: Summer	0.03	6.6	2.880
Roof 1	FEH22: 2 years: +0 %: 15 mins: Summer	0.03	7.2	3.117
Roof 2	FEH22: 2 years: +0 %: 15 mins: Summer	0.04	7.3	3.159
Roof 3	FEH22: 2 years: +0 %: 15 mins: Summer	0.04	8.6	3.710
Roof 4	FEH22: 2 years: +0 %: 15 mins: Summer	0.03	7.1	3.081
Hardstanding 1	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	3.1	1.352
Hardstanding 2	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.8	0.764
Hardstanding 3	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	3.4	1.484
Hardstanding 4	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.2	0.524
Hardstanding 5	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.4	0.620
Hardstanding 6	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.7	0.740
Hardstanding 7	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.6	1.136
Hardstanding 8	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.0	0.872

Hardstanding 9	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.9	0.833
Hardstanding 10	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.8	1.211
Hardstanding 11	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.0	0.450
Hardstanding 12	FEH22: 2 years: +0 %: 15 mins: Summer	0.00	0.9	0.405
Access Road 1	FEH22: 2 years: +0 %: 15 mins: Summer	0.04	8.2	3.543
Access Road 2	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	3.8	1.645
Access Road 3	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.6	1.145
Access Road 4	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.8	1.223
Access Road 6	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	3.1	1.340
Access Road 5	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	4.3	1.846
Access Road 7	FEH22: 2 years: +0 %: 15 mins: Summer	0.04	7.6	3.312
Access Road 8	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	4.4	1.894
Access Road 9	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	3.1	1.340
Access Road 10	FEH22: 2 years: +0 %: 15 mins: Summer	0.02	4.8	2.065
Access Road 11	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.2	0.542
Access Road 12	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.3	0.995
Hardstanding 13	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.7	0.734

Hardstanding 14	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	2.6	1.124
Canopy Roof	FEH22: 2 years: +0 %: 15 mins: Summer	0.04	7.7	3.354
Hardstanding 15	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.5	0.647
Hardstanding 16	FEH22: 2 years: +0 %: 15 mins: Summer	0.01	1.8	0.794

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Phase	CampbellReith:		

FEH22: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Nursery	FEH22: 30 years: +40 %: 15 mins: Summer	0.03	20.8	9.033
MUGA	FEH22: 30 years: +40 %: 15 mins: Summer	0.08	53.3	23.149
Existing Building	FEH22: 30 years: +40 %: 15 mins: Summer	0.03	20.5	8.888
Roof 1	FEH22: 30 years: +40 %: 15 mins: Summer	0.03	22.1	9.615
Roof 2	FEH22: 30 years: +40 %: 15 mins: Summer	0.04	22.4	9.753
Roof 3	FEH22: 30 years: +40 %: 15 mins: Summer	0.04	26.4	11.468
Roof 4	FEH22: 30 years: +40 %: 15 mins: Summer	0.03	21.9	9.513
Hardstanding 1	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	9.6	4.183
Hardstanding 2	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	5.4	2.360
Hardstanding 3	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	10.5	4.585
Hardstanding 4	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	3.7	1.622
Hardstanding 5	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	4.4	1.901
Hardstanding 6	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	5.3	2.285
Hardstanding 7	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	8.1	3.516
Hardstanding 8	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	6.2	2.679

Hardstanding 9	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	5.9	2.561
Hardstanding 10	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	8.6	3.748
Hardstanding 11	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	3.2	1.387
Hardstanding 12	FEH22: 30 years: +40 %: 15 mins: Summer	0.00	2.9	1.246
Access Road 1	FEH22: 30 years: +40 %: 15 mins: Summer	0.04	25.2	10.936
Access Road 2	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	11.7	5.084
Access Road 3	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	8.1	3.534
Access Road 4	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	8.7	3.769
Access Road 6	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	9.5	4.126
Access Road 5	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	13.1	5.690
Access Road 7	FEH22: 30 years: +40 %: 15 mins: Summer	0.04	23.5	10.225
Access Road 8	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	13.5	5.856
Access Road 9	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	9.5	4.135
Access Road 10	FEH22: 30 years: +40 %: 15 mins: Summer	0.02	14.7	6.369
Access Road 11	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	3.8	1.664
Access Road 12	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	7.1	3.069
Hardstanding 13	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	5.2	2.261

Hardstanding 14	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	8.0	3.462
Canopy Roof	FEH22: 30 years: +40 %: 15 mins: Summer	0.04	23.8	10.354
Hardstanding 15	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	4.6	2.000
Hardstanding 16	FEH22: 30 years: +40 %: 15 mins: Summer	0.01	5.6	2.447

FEH22: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Nursery	FEH22: 100 years: +45 %: 15 mins: Summer	0.03	27.2	11.844
MUGA	FEH22: 100 years: +45 %: 15 mins: Summer	0.08	69.7	30.350
Existing Building	FEH22: 100 years: +45 %: 15 mins: Summer	0.03	26.7	11.649
Roof 1	FEH22: 100 years: +45 %: 15 mins: Summer	0.03	28.9	12.607
Roof 2	FEH22: 100 years: +45 %: 15 mins: Summer	0.04	29.4	12.793
Roof 3	FEH22: 100 years: +45 %: 15 mins: Summer	0.04	34.5	15.031
Roof 4	FEH22: 100 years: +45 %: 15 mins: Summer	0.03	28.6	12.472
Hardstanding 1	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	12.6	5.485
Hardstanding 2	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	7.1	3.091
Hardstanding 3	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	13.8	6.014
Hardstanding 4	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	4.9	2.127
Hardstanding 5	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	5.7	2.499
Hardstanding 6	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	6.9	2.995
Hardstanding 7	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	10.6	4.608
Hardstanding 8	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	8.1	3.514

Hardstanding 9	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	7.7	3.361
Hardstanding 10	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	11.3	4.908
Hardstanding 11	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	4.2	1.817
Hardstanding 12	FEH22: 100 years: +45 %: 15 mins: Summer	0.00	3.7	1.628
Access Road 1	FEH22: 100 years: +45 %: 15 mins: Summer	0.04	32.9	14.331
Access Road 2	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	15.3	6.665
Access Road 3	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	10.6	4.632
Access Road 4	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	11.3	4.941
Access Road 6	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	12.4	5.413
Access Road 5	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	17.1	7.464
Access Road 7	FEH22: 100 years: +45 %: 15 mins: Summer	0.04	30.8	13.406
Access Road 8	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	17.6	7.675
Access Road 9	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	12.4	5.416
Access Road 10	FEH22: 100 years: +45 %: 15 mins: Summer	0.02	19.2	8.351
Access Road 11	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	5.0	2.187
Access Road 12	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	9.2	4.025
Hardstanding 13	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	6.8	2.965

Hardstanding 14	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	10.4	4.539
Canopy Roof	FEH22: 100 years: +45 %: 15 mins: Summer	0.04	31.2	13.577
Hardstanding 15	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	6.0	2.622
Hardstanding 16	FEH22: 100 years: +45 %: 15 mins: Summer	0.01	7.4	3.208

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	CampbellReith:		

FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Junction	Total Discharge Volume (m³)	Status
FEH22: 2 years: +0 %: 15 mins: Summer	44.000	43.250	43.270	0.020	1.2	0.022	0.000	1.2	SW MH 11	0.541	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.450	42.625	42.672	0.047	5.2	0.054	0.000	5.0	SW MH 12	2.269	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.400	42.465	42.530	0.064	9.7	0.073	0.000	9.2	SW MH 13	4.328	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.070	42.212	42.298	0.086	16.7	0.097	0.000	15.5	SW MH 14	7.552	OK
FEH22: 2 years: +0 %: 15 mins: Summer	42.900	41.864	41.971	0.106	23.2	0.120	0.000	21.2	SW MH 15	10.833	OK
FEH22: 2 years: +0 %: 480 mins: Summer	43.350	41.398	41.504	0.106	6.5	0.120	0.000	6.5	SW MH 16	47.709	OK
FEH22: 2 years: +0 %: 480 mins: Summer	43.550	41.000	41.504	0.504	6.5	0.570	0.000	6.3	SW MH 17 Catchpit	47.517	Surcharged
FEH22: 2 years: +0 %: 480 mins: Summer	43.750	41.000	41.504	0.504	0.6	0.570	0.000	0.5	SW MH 26 Catchpit	4.137	Surcharged
FEH22: 2 years: +0 %: 480 mins: Summer	43.750	41.000	41.503	0.503	2.5	0.569	0.000	2.4	SW MH 30	106.977	Surcharged
FEH22: 2 years: +0 %: 15 mins: Summer	42.550	40.768	40.841	0.073	8.2	0.083	0.000	7.6	SW MH 31	5.662	OK
FEH22: 2 years: +0 %: 15 mins: Summer	42.230	40.530	40.571	0.041	7.1	0.047	0.000	6.8	SW13 (Existing)	5.531	OK
FEH22: 2 years: +0 %: 30 mins: Summer	41.980	39.920	39.959	0.039	6.8	0.000	0.000	6.8	SW MH 6252 (Existing)	9.995	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.200	42.141	42.209	0.068	9.3	0.077	0.000	8.9	SW MH 21	4.050	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.200	41.932	42.034	0.102	18.2	0.115	0.000	16.3	SW MH 22	8.041	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.350	42.450	42.542	0.092	25.8	0.105	0.000	24.9	SW MH 18	11.173	OK
FEH22: 2 years: +0 %: 480 mins: Summer	43.650	41.000	41.504	0.504	5.3	0.570	0.000	5.2	SW MH 20 Catchpit	38.860	Surcharged
FEH22: 2 years: +0 %: 15 mins: Summer	43.290	42.390	42.444	0.054	5.8	0.061	0.000	5.5	SW MH 1	2.493	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.070	42.142	42.243	0.101	16.5	0.115	0.000	15.5	SW MH 3	7.641	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.000	41.937	41.990	0.054	17.2	0.061	0.000	16.8	SW MH 4	8.405	OK
FEH22: 2 years: +0 %: 360 mins: Summer	43.100	40.950	41.239	0.289	3.4	0.327	0.000	3.4	SW MH 6	80.980	Surcharged

FEH22: 2 years: +0 %: 360 mins: Summer	43.200	40.781	40.821	0.040	3.4	0.046	0.000	3.4	SW MH 7	80.960	OK
FEH22: 2 years: +0 %: 360 mins: Summer	41.860	40.670	40.709	0.039	3.4	0.000	0.000	3.4	SW MH 4253 (Existing)	80.960	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.150	41.885	41.937	0.052	19.5	0.059	0.000	19.4	SW MH 10 Catchpit	9.108	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.150	41.985	42.091	0.106	19.5	0.120	0.000	18.5	SW MH 9	8.653	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.350	42.450	42.528	0.078	17.2	0.089	0.000	16.7	SW MH 8	7.461	OK
FEH22: 2 years: +0 %: 360 mins: Summer	43.100	40.950	41.239	0.289	6.6	0.327	0.000	6.4	SW MH 5 Catchpit	37.163	Surcharged
FEH22: 2 years: +0 %: 15 mins: Summer	43.200	42.219	42.325	0.106	17.4	0.120	0.000	16.5	SW MH 2	7.656	OK
FEH22: 2 years: +0 %: 15 mins: Summer	43.440	41.500	41.565	0.065	16.3	0.073	0.000	15.2	SW MH 23	8.031	OK
FEH22: 2 years: +0 %: 480 mins: Summer	43.550	41.000	41.504	0.504	3.8	0.570	0.000	3.6	SW MH 24 Catchpit	27.849	Surcharged
FEH22: 2 years: +0 %: 15 mins: Summer	42.100	40.606	40.677	0.071	7.6	0.080	0.000	7.1	SW MH 32	5.573	OK

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	CampbellReith:		

FEH22: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Junction	Total Discharge Volume (m³)	Status
FEH22: 30 years: +40 %: 15 mins: Summer	44.000	43.250	43.285	0.035	3.8	0.039	0.000	3.7	SW MH 11	1.657	OK
FEH22: 30 years: +40 %: 15 mins: Summer	43.450	42.625	42.714	0.089	15.9	0.101	0.000	15.4	SW MH 12	6.982	OK
FEH22: 30 years: +40 %: 480 mins: Winter	43.400	42.465	42.696	0.231	3.3	0.261	0.000	3.3	SW MH 13	37.943	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.070	42.212	42.696	0.484	5.8	0.547	0.000	5.8	SW MH 14	66.493	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	42.900	41.864	42.696	0.832	8.3	0.941	0.000	8.3	SW MH 15	94.384	Flood Risk
FEH22: 30 years: +40 %: 480 mins: Winter	43.350	41.398	42.696	1.298	10.4	1.468	0.000	10.2	SW MH 16	116.251	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.550	41.000	42.696	1.696	10.2	1.918	0.000	10.0	SW MH 17 Catchpit	114.592	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.750	41.000	42.695	1.695	0.9	1.918	0.000	0.7	SW MH 26 Catchpit	9.517	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.750	41.000	42.695	1.695	3.5	1.917	0.000	2.9	SW MH 30	136.847	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	42.550	40.768	41.050	0.282	23.9	0.319	0.000	21.8	SW MH 31	12.547	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	42.230	40.530	40.606	0.076	20.1	0.086	0.000	19.9	SW13 (Existing)	12.426	OK
FEH22: 30 years: +40 %: 15 mins: Summer	41.980	39.920	39.990	0.070	19.9	0.000	0.000	19.9	SW MH 6252 (Existing)	12.426	OK
FEH22: 30 years: +40 %: 480 mins: Winter	43.200	42.141	42.696	0.555	5.2	0.627	0.000	3.1	SW MH 21	35.545	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.200	41.932	42.696	0.764	6.2	0.864	0.000	6.2	SW MH 22	70.176	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.350	42.450	42.696	0.246	8.6	0.278	0.000	8.6	SW MH 18	97.298	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.650	41.000	42.696	1.696	8.6	1.918	0.000	8.4	SW MH 20 Catchpit	95.986	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	43.290	42.390	42.518	0.128	17.7	0.145	0.000	13.9	SW MH 1	7.694	OK
FEH22: 30 years: +40 %: 15 mins: Summer	43.070	42.142	42.350	0.208	47.7	0.235	0.000	45.5	SW MH 3	23.634	OK
FEH22: 30 years: +40 %: 15 mins: Summer	43.000	41.937	42.032	0.095	50.9	0.107	0.000	50.4	SW MH 4	25.918	OK
FEH22: 30 years: +40 %: 360 mins: Winter	43.100	40.950	41.885	0.935	3.6	1.057	0.000	3.5	SW MH 6	191.004	Surcharged

FEH22: 30 years: +40 %: 360 mins: Summer	43.200	40.781	40.822	0.041	3.5	0.046	0.000	3.5	SW MH 7	190.157	OK
FEH22: 30 years: +40 %: 360 mins: Summer	41.860	40.670	40.709	0.039	3.5	0.000	0.000	3.5	SW MH 4253 (Existing)	190.157	OK
FEH22: 30 years: +40 %: 15 mins: Summer	43.150	41.885	41.978	0.093	59.0	0.105	0.000	57.8	SW MH 10 Catchpit	28.089	OK
FEH22: 30 years: +40 %: 15 mins: Summer	43.150	41.985	42.230	0.245	61.4	0.277	0.000	55.8	SW MH 9	26.732	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	43.350	42.450	42.612	0.162	52.9	0.183	0.000	52.7	SW MH 8	22.995	OK
FEH22: 30 years: +40 %: 360 mins: Winter	43.100	40.950	41.885	0.935	11.0	1.057	0.000	10.9	SW MH 5 Catchpit	94.035	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	43.200	42.219	42.493	0.274	50.6	0.309	0.000	47.7	SW MH 2	23.644	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.440	41.500	42.696	1.196	6.2	1.352	0.000	5.7	SW MH 23	67.716	Surcharged
FEH22: 30 years: +40 %: 480 mins: Winter	43.550	41.000	42.695	1.695	5.7	1.918	0.000	5.6	SW MH 24 Catchpit	66.055	Surcharged
FEH22: 30 years: +40 %: 15 mins: Summer	42.100	40.606	40.763	0.157	21.8	0.178	0.000	20.1	SW MH 32	12.467	Surcharged

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	CampbellReith:		

FEH22: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Junction	Total Discharge Volume (m³)	Status
FEH22: 100 years: +45 %: 15 mins: Summer	44.000	43.250	43.288	0.038	5.0	0.043	0.000	4.9	SW MH 11	2.155	OK
FEH22: 100 years: +45 %: 30 mins: Summer	43.450	42.625	43.127	0.502	14.2	0.568	0.000	13.7	SW MH 12	12.331	Surcharged
FEH22: 100 years: +45 %: 30 mins: Summer	43.400	42.465	43.116	0.651	26.6	0.736	0.000	25.6	SW MH 13	23.519	Flood Risk
FEH22: 100 years: +45 %: 30 mins: Summer	43.070	42.212	43.062	0.850	45.8	0.961	0.000	42.2	SW MH 14	41.031	Flood Risk
FEH22: 100 years: +45 %: 720 mins: Winter	42.900	41.864	42.899	1.035	7.9	1.170	0.000	7.4	SW MH 15	135.239	Flood Risk
FEH22: 100 years: +45 %: 720 mins: Winter	43.350	41.398	42.899	1.500	9.4	1.697	0.000	9.3	SW MH 16	169.677	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.550	41.000	42.898	1.898	9.3	2.147	0.000	9.1	SW MH 17 Catchpit	169.564	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.750	41.000	42.898	1.898	1.0	2.147	0.000	0.8	SW MH 26 Catchpit	15.221	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.750	41.000	42.898	1.898	3.2	2.146	0.000	3.1	SW MH 30	411.728	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	42.550	40.768	41.219	0.451	29.6	0.511	0.000	25.1	SW MH 31	15.823	Surcharged
FEH22: 100 years: +45 %: 15 mins: Winter	42.230	40.530	40.614	0.084	23.1	0.095	0.000	23.2	SW13 (Existing)	15.681	OK
FEH22: 100 years: +45 %: 15 mins: Winter	41.980	39.920	39.996	0.076	23.2	0.000	0.000	23.2	SW MH 6252 (Existing)	15.681	OK
FEH22: 100 years: +45 %: 720 mins: Winter	43.200	42.141	42.899	0.758	5.7	0.857	0.000	2.9	SW MH 21	50.437	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.200	41.932	42.899	0.967	5.8	1.093	0.000	5.6	SW MH 22	100.229	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	43.350	42.450	43.123	0.673	103.8	0.761	0.000	97.8	SW MH 18	45.195	Flood Risk
FEH22: 100 years: +45 %: 720 mins: Winter	43.650	41.000	42.898	1.898	8.1	2.147	0.000	7.7	SW MH 20 Catchpit	138.282	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	43.290	42.390	42.760	0.370	23.2	0.419	0.000	18.3	SW MH 1	10.107	Surcharged
FEH22: 100 years: +45 %: 360 mins: Winter	43.070	42.142	42.556	0.414	9.4	0.469	0.000	9.4	SW MH 3	80.720	Surcharged
FEH22: 100 years: +45 %: 360 mins: Winter	43.000	41.937	42.557	0.620	10.3	0.701	0.000	10.4	SW MH 4	88.758	Surcharged
FEH22: 100 years: +45 %: 360 mins: Winter	43.100	40.950	42.556	1.606	5.6	1.816	0.000	3.8	SW MH 6	197.811	Surcharged

FEH22: 100 years: +45 %: 360 mins: Summer	43.200	40.781	40.824	0.043	3.8	0.048	0.000	3.8	SW MH 7	197.507	OK
FEH22: 100 years: +45 %: 360 mins: Summer	41.860	40.670	40.711	0.041	3.8	0.000	0.000	3.8	SW MH 4253 (Existing)	197.507	OK
FEH22: 100 years: +45 %: 360 mins: Winter	43.150	41.885	42.557	0.672	11.2	0.760	0.000	11.2	SW MH 10 Catchpit	96.151	Surcharged
FEH22: 100 years: +45 %: 360 mins: Winter	43.150	41.985	42.558	0.573	10.6	0.648	0.000	10.6	SW MH 9	91.353	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	43.350	42.450	42.859	0.409	69.3	0.463	0.000	60.2	SW MH 8	30.107	Surcharged
FEH22: 100 years: +45 %: 360 mins: Winter	43.100	40.950	42.557	1.607	14.2	1.817	0.000	14.0	SW MH 5 Catchpit	120.591	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	43.200	42.219	42.722	0.503	66.4	0.569	0.000	61.1	SW MH 2	31.018	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.440	41.500	42.898	1.398	5.6	1.582	0.000	5.4	SW MH 23	100.398	Surcharged
FEH22: 100 years: +45 %: 720 mins: Winter	43.550	41.000	42.898	1.898	5.4	2.147	0.000	5.2	SW MH 24 Catchpit	100.492	Surcharged
FEH22: 100 years: +45 %: 15 mins: Summer	42.100	40.606	40.837	0.231	25.1	0.262	0.000	21.7	SW MH 32	15.668	Surcharged

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	CampbellReith:		

FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage East	FEH22: 2 years: +0 %: 480 mins: Summer	41.504	41.504	0.504	0.504	15.6	71.784	0.000	0.000	2.5	107.123		58.119
Cellular Storage West	FEH22: 2 years: +0 %: 360 mins: Summer	41.239	41.239	0.289	0.289	14.7	49.194	0.000	0.000	3.4	81.002		75.998
Pond	FEH22: 2 years: +0 %: 15 mins: Summer	42.600	42.600	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100.000

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	CampbellReith:		

Status
OK
OK
OK

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	CampbellReith:		

FEH22: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage East	FEH22: 30 years: +40 %: 480 mins: Winter	42.695	42.695	1.695	1.695	24.5	184.945	13.515	0.000	3.5	162.699		-7.903
Cellular Storage West	FEH22: 30 years: +40 %: 360 mins: Winter	41.885	41.885	0.935	0.935	24.8	158.933	0.000	0.000	3.6	191.173	320	22.454
Pond	FEH22: 30 years: +40 %: 480 mins: Winter	42.695	42.695	0.095	0.095	5.0	23.546	0.000	0.000	1.8	21.104		90.856

Status
Flood
OK
OK

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	CampbellReith:		

FEH22: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage East	FEH22: 100 years: +45 %: 720 mins: Winter	42.898	42.898	1.898	1.898	22.4	213.844	42.413	0.000	3.2	490.754	1520	-24.763
Cellular Storage West	FEH22: 100 years: +45 %: 360 mins: Winter	42.558	42.558	1.608	1.608	31.9	204.452	0.000	0.000	5.6	198.520	595	0.245
Pond	FEH22: 100 years: +45 %: 720 mins: Winter	42.898	42.898	0.298	0.298	13.6	77.854	0.000	0.000	2.0	77.047		69.765

Status
Flood
OK
OK

FEH22: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 13	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 11	SW MH 12	44.000	43.252	0.002	4.475	0.0	0	0.0	OK
Pipe 14	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 12	SW MH 13	43.450	42.632	0.008	22.607	0.2	0	0.1	OK
Pipe 15	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 13	SW MH 14	43.400	42.475	0.011	42.083	0.2	0	0.2	OK
Pipe 18	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 15	SW MH 16	42.900	41.883	0.016	105.087	0.5	0.01	0.7	OK
Pipe 19	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 16	SW MH 17 Catchpit	43.350	41.412	0.076	132.568	0.2	0.01	0.9	OK
Pipe 30	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 30	SW MH 31	43.750	41.138	0.034	331.001	0.7	0.1	2.0	OK
Pipe 33	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW13 (Existing)	SW MH 6252 (Existing)	42.230	40.553	0.023	361.959	1.3	0.05	2.2	OK
Pipe 22	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 21	SW MH 22	43.200	42.153	0.015	40.290	0.2	0.01	0.3	OK
Pipe 26	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 18	SW MH 20 Catchpit	43.350	42.465	0.015	108.245	0.6	0.01	0.7	OK
Pipe 10	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 8	SW MH 9	43.350	42.461	0.013	72.564	0.3	0	0.3	OK
Pipe 11	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 9	SW MH 10 Catchpit	43.150	42.004	0.014	84.665	0.5	0.01	0.5	OK
Pipe 7	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 6	SW MH 7	43.100	41.021	0.022	251.192	0.5	0.02	1.0	OK
Pipe 8	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 7	SW MH 4253 (Existing)	43.200	40.804	0.022	251.192	0.5	0.02	1.0	OK
Pipe 4	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 3	SW MH 4	43.070	42.160	0.014	73.643	0.5	0.01	0.5	OK

Pipe 5	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 4	SW MH 5 Catchpit	43.000	41.945	0.040	81.053	0.1	0	0.3	OK
Pipe 27	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 20 Catchpit	Cellular Storage East	43.650	41.139	0.139	108.241	0.1	0.02	0.7	OK
Pipe 20	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 17 Catchpit	Cellular Storage East	43.550	41.139	0.139	132.562	0.1	0.03	0.8	OK
Pipe 29	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 26 Catchpit	Cellular Storage East	43.750	41.139	0.139	12.338	0.1	0.01	0.1	OK
Pipe 29A	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	Cellular Storage East	SW MH 30	42.600	41.139	0.138	331.002	0.1	0.07	2.0	OK
Pipe 6A	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	Cellular Storage West	SW MH 6	43.100	41.021	0.071	251.193	0.1	0.04	1.0	OK
Pipe (Tank)	FEH22: 2 years: +0 %: 15 mins: Summer	Pipe	Pond	Cellular Storage East	43.750	42.600	0.000	0.000	0.0	0	0.0	OK
Pipe 12	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 10 Catchpit	Cellular Storage West	43.150	41.892	0.039	88.278	0.4	0	0.4	OK
Pipe 2	FEH22: 2 years: +0 %: 10080 mins: Winter	Pipe	SW MH 1	SW MH 2	43.290	42.398	0.011	24.186	0.1	0	0.1	OK
Pipe 3	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 2	SW MH 3	43.200	42.236	0.018	73.643	0.3	0.01	0.5	OK
Pipe 6	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 5 Catchpit	Cellular Storage West	43.100	41.043	0.093	111.374	0.3	0.02	0.7	OK
Pipe	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 14	SW MH 15	43.070	42.228	0.017	72.916	0.3	0.01	0.5	OK
Pipe (1)	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 22	SW MH 23	43.200	41.950	0.015	78.390	0.4	0.01	0.5	OK
Pipe (2)	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 23	SW MH 24 Catchpit	43.440	41.512	0.075	78.391	0.2	0.01	0.5	OK
Pipe (3)	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 24 Catchpit	Cellular Storage East	43.550	41.139	0.139	78.384	0.1	0.02	0.5	OK
Pipe 32	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 31	SW MH 32	42.550	40.804	0.037	361.960	0.6	0.13	2.2	OK
Pipe 32 (1)	FEH22: 2 years: +0 %: 10080 mins: Summer	Pipe	SW MH 32	SW13 (Existing)	42.100	40.644	0.030	361.959	0.8	0.12	2.2	OK

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase	CampbellReith:		

FEH22: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 13	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 11	SW MH 12	44.000	43.255	0.005	11.369	0.4	0	0.1	OK
Pipe 14	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 12	SW MH 13	43.450	42.637	0.014	45.221	0.3	0.01	0.3	OK
Pipe 15	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 13	SW MH 14	43.400	42.482	0.019	85.378	0.3	0.01	0.6	OK
Pipe 18	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 15	SW MH 16	42.900	41.891	0.215	213.732	0.6	0.03	1.4	OK
Pipe 19	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 16	SW MH 17 Catchpit	43.350	41.811	0.225	268.159	0.2	0.02	1.7	Surcharged
Pipe 30	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 30	SW MH 31	43.750	41.344	0.038	668.506	0.7	0.12	2.4	Surcharged
Pipe 33	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW13 (Existing)	SW MH 6252 (Existing)	42.230	40.555	0.025	731.373	1.4	0.06	2.6	OK
Pipe 22	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 21	SW MH 22	43.200	42.155	0.017	79.464	0.2	0.01	0.3	OK
Pipe 26	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 18	SW MH 20 Catchpit	43.350	42.467	0.017	219.047	0.7	0.01	0.9	OK
Pipe 10	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 8	SW MH 9	43.350	42.469	0.023	145.986	0.4	0.01	0.9	OK
Pipe 11	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 9	SW MH 10 Catchpit	43.150	42.007	0.016	169.817	0.6	0.02	0.7	OK
Pipe 7	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 6	SW MH 7	43.100	41.124	0.037	513.353	0.7	0.06	3.0	OK
Pipe 8	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 7	SW MH 4253 (Existing)	43.200	40.819	0.037	513.352	0.7	0.06	3.0	OK
Pipe 4	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 3	SW MH 4	43.070	42.168	0.019	152.044	0.6	0.02	1.0	OK

Pipe 5	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 4	SW MH 5 Catchpit	43.000	41.950	0.094	167.045	0.2	0.01	1.1	OK
Pipe 27	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 20 Catchpit	Cellular Storage East	43.650	41.344	0.225	219.043	0.1	0.03	0.9	Surcharged
Pipe 20	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 17 Catchpit	Cellular Storage East	43.550	41.810	0.225	268.156	0.3	0.06	1.7	Surcharged
Pipe 29	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 26 Catchpit	Cellular Storage East	43.750	41.344	0.150	24.200	0.1	0.01	0.1	Surcharged
Pipe 29A	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	Cellular Storage East	SW MH 30	42.600	41.344	0.225	668.508	0.1	0.08	2.4	Surcharged
Pipe 6A	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	Cellular Storage West	SW MH 6	43.100	41.125	0.174	513.353	0.1	0.1	3.0	OK
Pipe (Tank)	FEH22: 30 years: +40 %: 15 mins: Summer	Pipe	Pond	Cellular Storage East	43.750	42.600	0.000	0.000	0.0	0	0.0	OK
Pipe 12	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 10 Catchpit	Cellular Storage West	43.150	41.895	0.061	179.256	0.5	0	0.8	OK
Pipe 2	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 1	SW MH 2	43.290	42.401	0.015	49.476	0.2	0	0.2	OK
Pipe 3	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 2	SW MH 3	43.200	42.243	0.025	152.045	0.4	0.02	1.0	OK
Pipe 6	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 5 Catchpit	Cellular Storage West	43.100	41.125	0.175	227.899	0.4	0.05	1.5	OK
Pipe	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 14	SW MH 15	43.070	42.234	0.024	148.761	0.5	0.02	1.0	OK
Pipe (1)	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 22	SW MH 23	43.200	41.957	0.163	158.220	0.6	0.02	1.0	OK
Pipe (2)	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 23	SW MH 24 Catchpit	43.440	41.810	0.225	158.195	0.2	0.01	1.0	Surcharged
Pipe (3)	FEH22: 30 years: +40 %: 10080 mins: Summer	Pipe	SW MH 24 Catchpit	Cellular Storage East	43.550	41.810	0.225	158.196	0.2	0.03	1.0	Surcharged
Pipe 32	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 31	SW MH 32	42.550	40.808	0.041	731.373	0.7	0.15	2.6	OK
Pipe 32 (1)	FEH22: 30 years: +40 %: 10080 mins: Winter	Pipe	SW MH 32	SW13 (Existing)	42.100	40.648	0.033	731.372	0.9	0.15	2.6	OK

Greenway Primary School: Consented Scheme	Date: 13/04/2026		
	Designed by: YL/AH	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase	CampbellReith:		

FEH22: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Total Discharge Volume

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe 13	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 11	SW MH 12	44.000	43.256	0.006	13.541	0.4	0	0.1	OK
Pipe 14	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 12	SW MH 13	43.450	42.639	0.016	55.283	0.3	0.01	0.4	OK
Pipe 15	FEH22: 100 years: +45 %: 10080 mins: Winter	Pipe	SW MH 13	SW MH 14	43.400	42.480	0.017	105.820	0.3	0.01	0.4	OK
Pipe 18	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 15	SW MH 16	42.900	42.358	0.225	265.036	0.6	0.03	1.7	Surcharged
Pipe 19	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 16	SW MH 17 Catchpit	43.350	42.358	0.225	333.734	0.2	0.02	2.1	Surcharged
Pipe 30	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 30	SW MH 31	43.750	42.357	0.040	831.684	0.7	0.13	2.6	Surcharged
Pipe 33	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW13 (Existing)	SW MH 6252 (Existing)	42.230	40.556	0.026	909.113	1.4	0.06	2.9	OK
Pipe 22	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 21	SW MH 22	43.200	42.357	0.225	98.941	0.3	0.01	0.6	OK
Pipe 26	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 18	SW MH 20 Catchpit	43.350	42.474	0.212	272.156	0.8	0.02	1.8	OK
Pipe 10	FEH22: 100 years: +45 %: 10080 mins: Winter	Pipe	SW MH 8	SW MH 9	43.350	42.467	0.021	181.926	0.4	0.01	0.8	OK
Pipe 11	FEH22: 100 years: +45 %: 10080 mins: Winter	Pipe	SW MH 9	SW MH 10 Catchpit	43.150	42.009	0.017	211.205	0.6	0.02	0.9	OK
Pipe 7	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 6	SW MH 7	43.100	41.223	0.040	637.940	0.7	0.06	3.4	Surcharged
Pipe 8	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 7	SW MH 4253 (Existing)	43.200	40.821	0.039	637.940	0.7	0.06	3.4	OK
Pipe 4	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 3	SW MH 4	43.070	42.170	0.022	187.469	0.6	0.03	1.2	OK

Pipe 5	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 4	SW MH 5 Catchpit	43.000	41.951	0.144	205.734	0.2	0.01	1.3	OK
Pipe 27	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 20 Catchpit	Cellular Storage East	43.650	42.357	0.225	272.166	0.3	0.06	1.7	Surcharged
Pipe 20	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 17 Catchpit	Cellular Storage East	43.550	42.357	0.225	333.731	0.3	0.07	2.1	Surcharged
Pipe 29	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 26 Catchpit	Cellular Storage East	43.750	42.357	0.150	29.882	0.1	0.01	0.2	Surcharged
Pipe 29A	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	Cellular Storage East	SW MH 30	42.600	42.357	0.225	831.686	0.1	0.09	2.6	Surcharged
Pipe 6A	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	Cellular Storage West	SW MH 6	43.100	41.223	0.225	637.941	0.1	0.11	3.4	Surcharged
Pipe (Tank)	FEH22: 100 years: +45 %: 15 mins: Summer	Pipe	Pond	Cellular Storage East	43.750	42.600	0.000	0.000	0.0	0	0.0	OK
Pipe 12	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 10 Catchpit	Cellular Storage West	43.150	41.898	0.143	222.588	1.1	0.01	1.4	OK
Pipe 2	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 1	SW MH 2	43.290	42.405	0.021	61.296	0.2	0.01	0.4	OK
Pipe 3	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 2	SW MH 3	43.200	42.245	0.027	187.470	0.4	0.03	1.2	OK
Pipe 6	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 5 Catchpit	Cellular Storage West	43.100	41.223	0.225	281.690	0.4	0.06	1.8	Surcharged
Pipe	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 14	SW MH 15	43.070	42.358	0.225	184.368	0.5	0.02	1.2	OK
Pipe (1)	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 22	SW MH 23	43.200	42.357	0.225	196.423	0.6	0.03	1.3	Surcharged
Pipe (2)	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 23	SW MH 24 Catchpit	43.440	42.357	0.225	196.429	0.2	0.01	1.2	Surcharged
Pipe (3)	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 24 Catchpit	Cellular Storage East	43.550	42.357	0.225	196.429	0.2	0.04	1.2	Surcharged
Pipe 32	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 31	SW MH 32	42.550	40.810	0.043	909.114	0.7	0.17	2.9	OK
Pipe 32 (1)	FEH22: 100 years: +45 %: 10080 mins: Summer	Pipe	SW MH 32	SW13 (Existing)	42.100	40.650	0.035	909.113	0.9	0.17	2.9	OK

CampbellReith
consulting engineers

Appendix 3

Topographical Survey

SRP1029-2381467 Topographical Survey

SHEET LAYOUT

TOPOGRAPHICAL LEGEND

- Building
- Building Canopy
- Building Overhead
- Surface Edge
- Road Edge
- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe (OHP)
- Overhead Electricity (OHE)
- Overhead Telecom (OHT)
- Railway Track
- Contour Line (220)

ABBREVIATIONS

AC	Asbestos Cement	FH	Fire Hydrant	R/W	Retaining Wall
ACU	Air Conditioning Unit	FS	Flag Staff	S	Stump
AR	Assumed Route	G	Gully	S/A	Soakaway
AV	Air Valve	GPRI	GPR Inconclusive	SC	Speed Camera
BB	Belisha Beacon	GV	Gas Valve	S/F	Safety Fence
BD	Back Drop	H/R	Hand Rail	SI	Spun Iron
BdL	Bed Level	IC	Inspection Cover	SL	Soffit Level
BH	Borehole	IL	Invert Level	SP	Sign Post
Bk	Brick	I/R	Iron Rail Fence	S/R	Steel Railings
BL	Basement Light	KO	Kerb Outlet	SS	Structure Support
BO	Bollard	LB	Letter Box	ST	Stop Tap
BR	Brick	LC	Lighting Column	Stn	Survey Station
BS	Bus Stop	LH	Lamp Hole	SV	Stop Valve
BT	British Telecom Cover	LOR	Loss Of Reflection	SVP	Soil Vent Pipe
B/W	Barbed Wire Fence	LOS	Loss Of Signal	SW	Stone Wall
Cam	Camera	M/C	Multiple Cables	Tac	Tactile Paving
CAT	Catenary Level	MH	Manhole Cover	TCB	Telephone Call Box
C/B	Close Boarded Fence	Mkr	Marker Post	TFR	Taken From Records
CC	Control Cabinet	MP	Mile Post/Stone	TH	Trial Hole / Pit
CI	Cast Iron	NFI	No Further Information	TOW	Top Of Wall
C/I	Corrugated Iron Fence	NP	Name Plate	TP	Telegraph Pole
CL	Cover Level	NPV	No Pipes Visible	TS	Traffic Signals
C/L	Chain Link Fence	OSA	Off Survey Area	UTGA	Unable to Gain Access
Co	Concrete	P	Post	UTL	Unable to Locate
CP	Catch Pit	PE	Polyethylene	UTR	Unable to Raise
CpL	Coping Level	PL	Plastic	UTS	Unable to Survey
CTV	Cable TV	P/L	Palisade Fence	UTT	Unable to Trace
CW	Concrete Wall	PM	Parking Meter	VC	Vitrified Clay
DI	Ductile Iron	P/R	Post and Rail Fence	VDP	Vehicle Detector Pads
dil	Dilapidated	PVC	Polyvinylchloride	VP	Vent Pipe
DSW	Dry Stone Wall	P/W	Post and Wire Fence	VTP	Vertical Pipe
EB	Electricity Box	RE	Rodding Eye	WL	Water Level
E/F	Electric Fence	Ri	Riser	WM	Water Meter
EOT	End of Trace	RL	Rail Level	W/M	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Water Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FFL	Finished Floor Level	RWP	Rain Water Pipe	WV	Wheel Valve

REV.	DETAILS	BY	DATE

GRID: ORDNANCE SURVEY Related to OS Pseudo 1:1 Grid by GNSS observations.

DATUM: ORDNANCE SURVEY Related to OS Network Reference by GNSS observations.

CENTRAL ALLIANCE SURVEY

RSK

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Web: www.central-alliance.co.uk

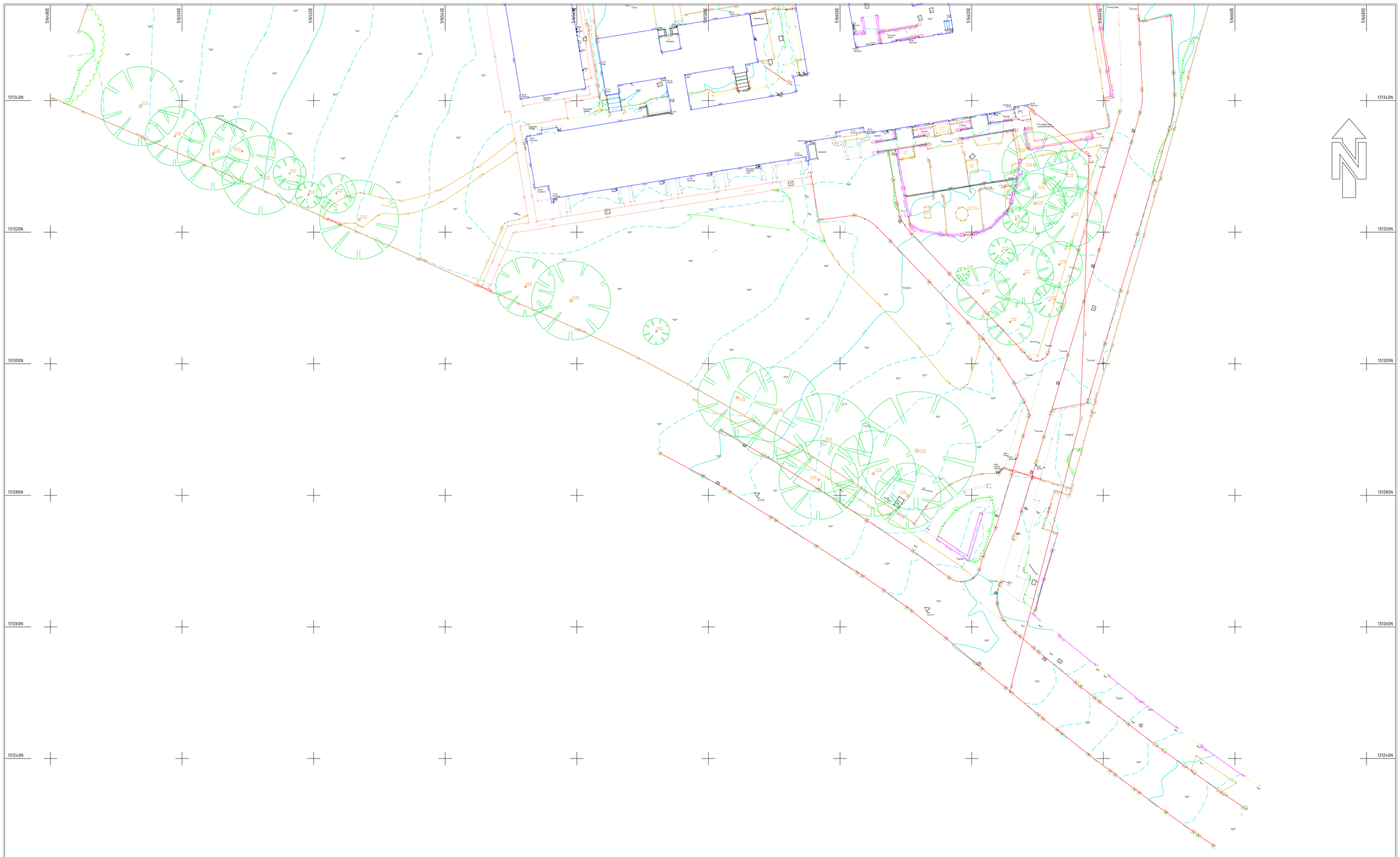
Alliance House, South Park Way, Wakefield 41 Business Park, Wakefield, WF2 0XJ

CLIENT:
RSK
Frogmore Road
Hemel Hempstead
Hertfordshire

SITE LOCATION:
Greenway Academy
Greenway, Horsham

SURVEY TITLE:
Topographical Survey

SURVEYED BY:	DATE:	DRAWING NUMBER:	
MK / MN	Aug 2021	2381467_P - Greenway Academy	
DRAWN BY:	DATE:	SCALE:	
RD / TR	Aug 2021	1:200 @ A0	
APPROVED BY:	DATE:	SHEET NUMBER:	REV:
NT	Aug 2021	1 of 2 A0	



SHEET LAYOUT

TOPOGRAPHICAL LEGEND

- Building
- Building Canopy
- Building Overhead
- Surface Edge
- Road Edge
- Road Kerb Channel
- Banking
- Fence
- Wall
- Structure
- Structure Overhead
- Structure Underground
- Vegetation Extents
- Drainage Channel
- Scar
- Above Ground Pipe
- Overhead Pipe
- Overhead Electricity
- Overhead Telecom
- Railway Track
- Contour Line

ABBREVIATIONS

AC	Asbestos Cement	FH	Fire Hydrant	RW	Retaining Wall
AP	Asbestos Cement Pipe	GI	Grate Inlet	RS	Road Sign
AR	Assumed Route	G	Gully	SA	Soakaway
AV	Air Valve	GPR	GPR Inconclusive	SC	Speed Camera
BB	Belisha Beacon	HH	Hand Hole	SH	Spot Height
BD	Back Drop	HR	Hand Rail	SI	Spot Iron
BM	Bed Level	IC	Inspection Cover	SL	Soffit Level
BH	Borehole	IL	Invert Level	SP	Stand Pipe
BK	Brick	IR	Iron Rail Fence	SR	Start Railings
BL	Basement Light	KO	Kerb Outlet	SS	Structure Support
BW	Brick Wall	LC	Lamp Column	ST	Stump
BR	Brick	LC	Lighting Column	SN	Survey Station
BS	Bus Stop	LH	Lamp Hole	SV	Stop Valve
BT	British Telecom Cover	LR	Lamp Reflection	TP	Telephone Pole
BW	Barbed Wire Fence	LOS	Line Of Signal	SW	Stone Wall
CA	Cable Chamber	LP	Lighting Pillar	TC	Telephone Cat Box
CAT	Catenary Level	MH	Manhole Cover	TCB	Taken From Cat Box
CF	Chain Link Fence	MP	Marker Post	TFR	Taken From Records
CO	Control Cabinet	NF	Metal Fence	TR	Tree
CI	Cast Iron	NFI	No Further Information	TOW	Top Of Wall
CIF	Cast Iron Iron Fence	NP	No Paint Visible	TS	Traffic Signals
CL	Cover Level	NPV	No Pipes Visible	TS	Traffic Signals
COL	Chain Link Fence	OSA	Off Survey Area	UTGA	Unable to Gain Access
CP	Control Point	OP	Open	UTO	Unable to Open
CP	Catch Pit	PE	Polyethylene	UTR	Unable to Raise
CSL	Coping Level	PL	Plastic	UTS	Unable to Survey
CT	Cable TV	PF	Post and Fence	VG	Vegetation Top
CW	Concrete Wall	PM	Parking Meter	VC	Vitrified Clay
DI	Ductile Iron	PIR	Post and Rail Fence	VDP	Vehicle Detector Pads
DP	Down Pipe	PIW	Post and Wire Fence	VP	Valve Pit
DSW	Dry Stone Wall	PW	Post and Wire Fence	VTP	Vertical Pipe
EB	Electricity Box	RE	Rodding Eye	WL	Water Level
EM	Electric Meter	RL	Rail Level	WM	Water Meter
EOT	End of Trace	RL	Rail Level	WM	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Water Wash Out
FE	Fence	SV	Soil Vent	WB	Weighbridge
FFL	Finished Floor Level	RWP	Rain Water Pipe	WV	Wheel Valve

REV.	DETAILS	BY	DATE

GRID: ORDNANCE SURVEY Related to OS Pseudo 1:1 Grid by GNSS observations.

DATUM: ORDNANCE SURVEY Related to OS Network Reference by GNSS observations.

CENTRAL ALLIANCE SURVEY

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Wakefield, WF2 0XJ

CLIENT:
RSK
Frogmore Road
Hemel Hempstead
Hertfordshire

SITE LOCATION:
Greenway Academy
Greenway, Horsham

SURVEY TITLE:
Topographical Survey

SURVEYED BY: MK / MN	DATE: Aug 2021	DRAWING NUMBER: 2301467_P - Greenway Academy	
DRAWN BY: RD / TR	DATE: Aug 2021	SCALE: 1:200 @ A0	
APPROVED BY: NT	DATE: Aug 2021	SHEET NUMBER: 2 of 2 A0	REV:

CampbellReith
consulting engineers

Appendix 4

Utility and Drainage Surveys

SRP1029-SVS-XX-XX-D-Y-0001_3D PAS128 and Topographical Survey

SRP1029-SVS-XX-XX-D-Y-0002_CCTV Survey Report

SRP1029-SVS-XX-XX-D-Y-0003_CCTV Site Plan

General Notes:

1) Please note that this is not a full utility mapping survey of Greenway Junior School, Greenway, Horsham, RH12 2JS. The areas surveyed are highlighted within the survey extents as provided by the client. If any excavations are planned outside of the survey extents highlighted by the green hatching on the drawing, it is recommended that further surveying is undertaken in the required area.

2) No existing statutory utility record drawings were provided at the time of survey. It is recommended that up to date drawings are applied for from the various asset providers prior to undertaking any intrusive work on site.

3) Please be aware that we cannot verify depth of cover below ground level on buried services depicted on this drawing as 'Added from Records' or 'Assumed Route'. Further investigation is recommended on these services or pipes and trial holes are advised to ascertain the exact location of the buried asset before excavating.

7) Caution!
Trial holes to be excavated on buried utility assets, depicted as assumed location. Excavations are required to verify their exact location. Information to be sent to Subvision Surveys for the drawing to be updated and reissued.

8) If you have any questions regarding the information depicted in this drawing, please do not hesitate to contact Subvision Surveys Ltd on 01702 780777 (Mon-Fri) 9am-5pm. or 07817 440724 (out of normal business hours).

9) Please note that any Survey control stations installed on site by Subvision Surveys should not be used for any design and/or setting out purposes. We will install control stations where needed for the purposes of completing the survey only and these will be related to OS grid using industry grade survey equipment and GPS receivers. Subvision Surveys cannot accept any liability if our control stations are used for anything other than the purposes listed above without prior consultation.

Drawing No.	Revision
SRP1029-SVS-XX-XX-D-Y-0001 P01 S2 FOR INFORMATION	P01

Date	Revision History Incl Suitability Code	Revision
MAR 2026	First Issue S2	P01

SUBVISION SURVEYS

Mapline House
14 Bull Lane
Rayleigh
Essex, SS6 8JG
Tel: 0845 5675677

SURVEY LEGEND

GENERAL

AFR	ADDED FROM RECORDS	LB	LETTER BOX
A/R	ASSUMED ROUTE	LH	LAMP HOLE
AV	AIR VALVE	LP	LAMP POST
BD	BACKDROP	MH	MANHOLE
BH	BOREHOLE	MK	MARKER POST
BL	BED LEVEL	MP	MILE POST
BLK	BLOCKED	MW	MONITORING WELL
BO	BOLLARD	ND	NO DEPTH
BS	BUS STOP	NVD	NO VISIBLE DUCT
BTIC	BT INSPECTION COVER	NVI	NO VISIBLE INLET
BW	BRICK WALL	NVO	NO VISIBLE OUTLET
CC	CONTROL CABINET	NVP	NO VISIBLE PIPE
CG	CATTLE GRID	OH	OVERHEAD
CH	CHANNEL LEVEL	OSBM	ORDNANCE SURVEY BENCH MARK
CL	COVER LEVEL	PD	PERFORATED DRAIN
Conc	CONCRETE	PE	PENSTOCK
Corr	CORRUGATED	PM	PARKING METER
CP	COPING LEVEL	PO	POST
C/Pit	CATCH PIT	PZ	PIEZOMETER
CPS	CONCRETE PAVING SLABS	RB	RUBBISH BIN
CSE RQ	CONFINED SPACE ENTRY REQUIRED	RE	RODDING EYE
CW	COMBINED WATER	RL	RIDGE LEVEL
CWMH	COMBINED WATER MANHOLE	RS	ROAD SIGN
DP	DOWN PIPE	RTW	RETAINING WALL
EB	ELECTRICITY BOX	RWP	RAIN WATER PIPE
EL	EAVE LEVEL	SA	SAPLING
EOT	END OF TRACE	S/Away	SOAKAWAY
EOL	END OF LANE	SC	STOP COCK
EP	ELECTRICITY POLE	SE	SERVICE (UNIDENTIFIED)
ER	EARTHING ROD	SL	SOFFIT LEVEL
FH	FIRE HYDRANT	SP	SIGN POST
FIR	FURTHER INVESTIGATION REQUIRED	STN	SURVEY STATION
FM	FLOW METER	SV	SLUICE VALVE
FW	FOUL WATER	SW	SURFACE WATER
FWMH	FOUL WATER MANHOLE	SWMH	SURFACE WATER MANHOLE
GB	GAUGE BOARD	TBM	TEMPORY BENCH MARK
GG	GAS LINE	TCB	TELEPHONE CALL BOX
GL	GROUND LEVEL	TH	TRIAL HOLE
GP	GATE POST	TL	TRAFFIC LIGHT
GU	GULLY	TP	TELEGRAPH POLE
GV	GAS VALVE	TS	TREE STUMP
H	HIGH	UD/CF	UNKNOWN DUCT/CABLE FORMATION
HOR	HEAD OF RUN	UTL	UNABLE TO LIFT
HW	HEADWALL	UTS	UNABLE TO SURVEY
		UTT	UNABLE TO TRACE
IC	INSPECTION COVER	VA	VALVE
IL	INVERT LEVEL	VP	VENT PIPE
IML	IMAGE LOST		
JB	JUNCTION BOX		
KIG	KERB INLET GULLY	WL	WATER LEVEL
		WM	WATER METER
		WO	WASH OUT
		WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	INTERWOVEN FENCE
CBF	CLOSE BOARDED FENCE	LLF	LARCH LAP FENCE
CLF	CHAINLINK FENCE	PRF	POST & RAIL FENCE
CPF	CHESTNUT PALING FENCE	PWF	POST & WIRE FENCE
CWF	CHICKEN WIRE FENCE	TR	TRELLIS
IRF	IRON RAILING FENCE		

PAS:128 LEGEND

QUALITY LEVELS	LOCATION ACCURACY HORIZONTAL	LOCATION ACCURACY VERTICAL	SUPPORTING DATA
AFR(B4) A/R(B4)	Undefined	Undefined	A Utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route (A/R), or taken from records (AFR).
(B3)	±500mm	Undefined (No reliable depth measurement possible).	Horizontal location only of the utility detected by one of the geophysical techniques used.
(B2)	±250mm or ±40% of detected depth, whichever is greater.	±40% of detected depth.	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
(B1)	±150mm or ±15% of detected depth, whichever is greater.	±15% of detected depth.	Horizontal and vertical location of the utility detected by multiple geophysical techniques.

Banking — Top / Bottom
Caution! — Further Investigation is required to utility.
Hedge
Wall
Gate
Building
Fence

LEGEND & ABBREVIATIONS

E	Electricity Unknown	ED	Empty Duct
SL	Street Light	CCTV	CCTV Cable
LV	Low Voltage Cable	F/O	Fibre Optic Cable
HV	High Voltage Cable	TCSU	Traffic Sensor
EHV	Extra High Voltage Cable	TS	Traffic Signal Cable
	Overhead Elec (LV/SL)	U	Unknown Service
>>	Overhead HV Cable	EF	Effluent Pipe
>>>	Overhead EHV Cable	SW	Surface Water Drainage
ER	Earth Cable	FW	Foul Water Drainage
G(LP)	Low Pressure Gas Pipe	CW	Combined Drainage
G(MP)	Medium Pressure Gas Pipe	FU	Fuel Main
G(IP)	Intermediate Pressure Gas Pipe	FS	Ferric Sulphate
G(HP)	High Pressure Gas Pipe	H	Heating Pipe
W	Water Pipe	Oil	Oil Pipe Line
BT	BT Cable		Overhead Pipe
	Overhead BT Cable		Band Of Utility
COMM	Communication Cable	X	Assumed Route
CHEM	Chemical Pipe		Chamber
CATV	TV Cable		Survey extents
GPR	Located by GPR		Inaccessible area
RADIO	Located by Radio Signal		Utility Continues
POWER	Located by Power Signal		Utility Ends

SUBVISION SURVEYS LTD-Disclaimer note 2026

Whilst every effort has been taken in the preparation of this drawing, the original land marks/apparatus configuration may have been altered since the survey/drawing was produced. The user shall make further enquiries and investigations to satisfy himself as to the accuracy of this drawing and position of the apparatus. The exact positions of the apparatus should be verified by the use of suitable detection devices and safe digging practices in accordance with HSG47, further advice on the location of apparatus should be recommended by the owner. No representation is made by Subvision Surveys Ltd, its agents or servants as to the accuracy, completeness, and sufficiency or otherwise of this drawing and the position of the apparatus.
All apparatus shall be treated as live unless proved otherwise by the owner. It is the users responsibility to ensure that the information on the location of apparatus is provided to all persons (either direct labour or contractors) working in proximity to the apparatus.
In all cases please call the BT Dial before you dig service to mark their own plant before any site works commence 0800 917 3993.
Recorded depth information represents the centre of the utility in question unless the data is obtained via Ground Penetrating Radar (GPR) methods. If this is the case the depth represents the distance between the ground and the top of the utility. All measurements and levels are taken in metres and pipe diameter information is taken in millimetres. All drainage/sewer depth information is measured from the invert.

SITE LOCATION

LEVELLING NOTES
All levels and Co-ordinates are Above Ordnance Datum, fixed to the OS Network by GPS using GPS Active Network and transformed using the OSTN15 model.
All level potitions are indicated by a cross or as noted

MORGAN SINDALL

Project title
3D PAS128 GPR Utility Mapping and 3D Topographical Survey

Drawing title
Greenway Junior School, Greenway, Horsham, RH12 2JS

Client
Morgan Sindall

Scales	Drawn by	Sheet size
1:200	PV	A0

Surveyed by	Checked by	Approved by	Date
JH/BH/JB/AM/KN	KC	JH	MAR 2026

PLAN GRID NORTH

Drawing No.
SRP1029-SVS-XX-XX-D-Y-0001
P01 S2 FOR INFORMATION

Revision
P01

Date	Revision History Incl Suitability Code	Revision
MAR 2026	First Issue S2	P01

SUBVISION SURVEYS
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Rayleigh
Essex, SS6 8JG
Tel: 0845 5675677

SURVEY LEGEND

GENERAL

APR	AODED FROM RECORDS	LB	LETTER BOX
A/R	ASSUMED ROUTE	LH	LAMP HOLE
AV	AIR VALVE	LP	LAMP POST
BD	BACKDROP	MH	MANHOLE
BH	BOREHOLE	MK	MARKER POST
BL	BED LEVEL	MP	MILE POST
BLK	BLOCKED	MW	MONITORING WELL
BOL	BOLLARD	ND	NO DEPTH
BS	BUS STOP	NVD	NO VISIBLE DUCT
BTIC	BT INSPECTION COVER	NVJ	NO VISIBLE JOINT
BW	BRICK WALL	NVO	NO VISIBLE OUTLET
CC	CONTROL CABINET	NVP	NO VISIBLE PIPE
CG	CATTLE GRID	OH	OVERHEAD
CH	CHANNEL LEVEL	OSBM	ORDNANCE SURVEY BENCH MARK
CL	CENTRE LINE	PD	PERFORATED DRAIN
Conc	CONCRETE	PE	PENSTOCK
Corr	CORRUGATED	PM	PREPAID METER
CP	COPING LEVEL	PO	POST
CPS	CONCRETE PAVING SLABS	PZ	PIEZOMETER
CSE RO	CONFINED SPACE ENTRY REQUIRED	RB	RUBBISH BIN
CW	COMBINED WATER	RE	RODDING EYE
CWMH	COMBINED WATER MANHOLE	RL	RIDGE LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
		RW	RETAINING WALL
EB	ELECTRICITY BOX	RWP	RAIN WATER PIPE
EL	EAVE LEVEL		
EM	EARTH MARKER	SA	SAPLING
EOL	END OF LANE	SAmp	SOAKAWAY
EP	ELECTRICITY POLE	SC	STOP COCK
ER	EARTHING ROD	SE	SERVICE (UNIDENTIFIED)
		SL	SOFFIT LEVEL
FH	FIRE HYDRANT	SP	SIGN POST
FIR	FURTHER INVESTIGATION REQUIRED	STN	SURVEY STATION
FP	FLOOR PLATE	SV	STOP VALVE
FW	FOUL WATER	SW	SURFACE WATER
FWMH	FOUL WATER MANHOLE	SWMH	SURFACE WATER MANHOLE
GB	GAUGE BOARD	TBM	TEMPORY BENCH MARK
GC	GAS CAP	TC	TELECOM CALL BOX
GL	GROUND LEVEL	TH	TRIAL HOLE
GP	GATE POST	TL	TRAFFIC LIGHT
GU	GULLY	TP	TELEGRAPH POLE
GV	GAS VALVE	TS	TREE STUMP
H	HIGH	UDOF	UNKNOWN DUCT/CABLE FORMATION
HOR	HEAD OF RUN	UTL	UNABLE TO LIFT
HW	HEADWALL	UTS	UNABLE TO SURVEY
		UTT	UNABLE TO TRACE
IC	INSPECTION COVER		
IL	INVERT LEVEL	VA	VALVE
INC	INACCESSIBLE	VP	VENT PIPE
JB	JUNCTION BOX		
		WL	WATER LEVEL
KIG	KERB INLET GULLY	WM	WATER METER
		WO	WASH OUT
		WP	WOODEN POST
		WV	WATER VALVE

FENCE TYPES

BWF	BARBED WIRE FENCE	IWF	INTERWOVEN FENCE
CBF	CLOSE BOARDED FENCE	LLF	LARCH LAP FENCE
CLF	CHAINLINK FENCE	PRF	POST & RAIL FENCE
CPF	CHESTNUT PALING FENCE	PWF	POST & WIRE FENCE
CWF	CHICKEN WIRE FENCE	TR	TRELLIS
IRF	IRON RAILING FENCE		

PAS 128 LEGEND

QUALITY LEVELS	LOCATION ACCURACY HORIZONTAL	LOCATION ACCURACY VERTICAL	SUPPORTING DATA
A/R/B(4) / A/R/B(4)	Undefined	Undefined	A Utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route (A/R), or taken from records (A/R).
B(3)	±500mm	Undefined (No reliable depth measurement possible).	Horizontal location only of the utility detected by one of the geophysical techniques used.
B(2)	±250mm or ±40% of detected depth, whichever is greater.	±40% of detected depth.	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
B(1)	±150mm or ±15% of detected depth, whichever is greater.	±15% of detected depth.	Horizontal and vertical location of the utility detected by multiple geophysical techniques.

Banking — Top / Bottom
Caution! — Further Investigation is required to utility.
Hedge
Wall
Gate
Building
Fence

LEGEND & ABBREVIATIONS

- E — Electricity Unknown
- ST — Street Light
- LV — Low Voltage Cable
- HV — High Voltage Cable
- EHV — Extra High Voltage Cable
- OHL — Overhead Elec (LV/SL)
- OHL — Overhead Cable
- OHL — Overhead EHV Cable
- E — Earth Cable
- GL(LP) — Low Pressure Gas Pipe
- GL(MP) — Medium Pressure Gas Pipe
- GL(IP) — Intermediate Pressure Gas Pipe
- GL(HP) — High Pressure Gas Pipe
- W — Water Pipe
- BT — BT Cable
- OHBT — Overhead BT Cable
- COMM — Communication Cable
- CHEM — Chemical Pipe
- CATV — TV Cable
- GPR — Located by GPR
- RADIO — Located by Radio Signal
- POWER — Located by Power Signal
- ED — Empty Duct
- CCTV — CCTV Cable
- FOL — Fibre Optic Cable
- TCBL — Traffic Sensor
- TS — Traffic Signal Cable
- UT — Unknown Service
- SP — Surface Water Drainage
- FW — Foul Water Drainage
- CW — Combined Drainage
- FM — Fuel Main
- FS — Ferric Sulphate
- HP — Heating Pipe
- OP — Oil Pipe Line
- OHP — Overhead Pipe
- Band Of Utility
- Assumed Route
- Chamber
- Survey extents
- Inaccessible area
- Utility Continues
- Utility Ends

SUBVISION SURVEYS LTD-Disclaimer note 2026

Whilst every effort has been taken in the preparation of this drawing, the original land marks/apparatus configuration may have been altered since the survey/drawing was produced. The user shall make further enquiries and investigations to satisfy himself as to the accuracy of this drawing and position of the apparatus. The exact positions of the apparatus should be verified by the use of suitable detection devices and safe digging practices in accordance with HSG47, further advice on the location of apparatus should be recommended by the owner. No representation is made by Subvision Surveys Ltd, its agents or servants as to the accuracy, completeness, and sufficiency or otherwise of this drawing and the position of the apparatus.
All apparatus shall be treated as live unless proved otherwise by the owner. It is the users responsibility to ensure that the information on the location of apparatus is provided to all persons (either direct labour or contractors) working in proximity to the apparatus.
In all cases please call the BT Dial before you dig service to mark their own plant before any site works commence 0800 917 3993.
Recorded depth information represents the centre of the utility in question unless the data is obtained via Ground Penetrating Radar (GPR) methods. If this is the case the depth represents the distance between the ground and the top of the utility. All measurements and levels are taken in metres and pipe diameter information is taken in millimetres. All drainage/sewer depth information is measured from the invert.

SITE LOCATION

General Notes:

1) Please note that this is not a full utility mapping survey of Greenway Junior School, Greenway, Horsham, RH12 2JS. The areas surveyed are highlighted within the survey extents as provided by the client. If any excavations are planned outside of the survey extents highlighted by the green hatching on the drawing, it is recommended that further surveying is undertaken in the required area.

2) No existing statutory utility record drawings were provided at the time of survey. It is recommended that up to date drawings are applied for from the various asset providers prior to undertaking any intrusive work on site.

3) Please be aware that we cannot verify depth of cover below ground level on buried services depicted on this drawing as 'Added from Records' or 'Assumed Route'. Further investigation is recommended on these services or pipes and trial holes are advised to ascertain the exact location of the buried asset before excavating.

7) Caution!
Trial holes to be excavated on buried utility assets, depicted as assumed location. Excavations are required to verify their exact location. Information to be sent to Subvision Surveys for the drawing to be updated and reissued.

8) If you have any questions regarding the information depicted in this drawing, please do not hesitate to contact Subvision Surveys Ltd on 01702 780777 (Mon-Fri) 9am-5pm. or 07817 440724 (out of normal business hours).

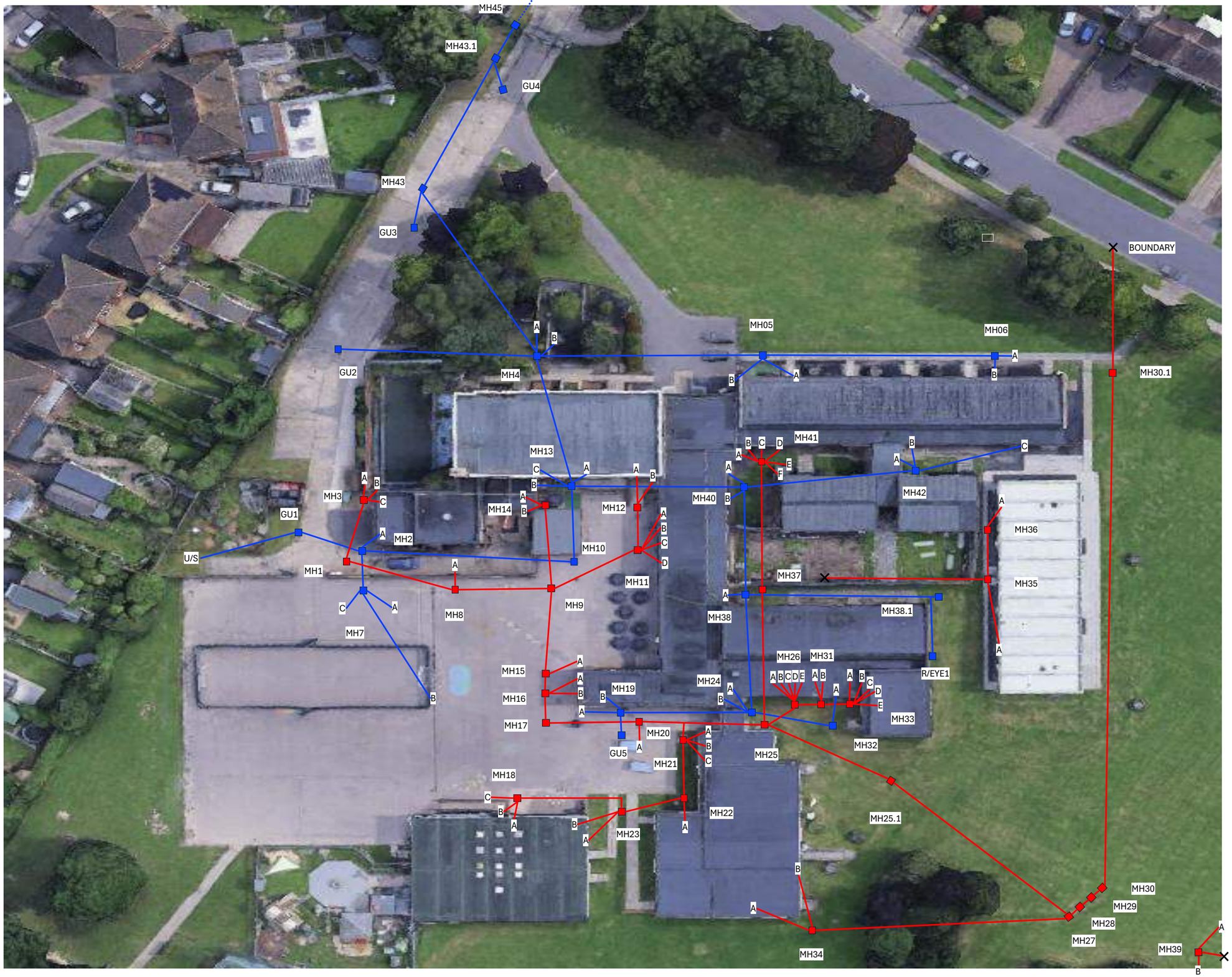
9) Please note that any Survey control stations installed on site by Subvision Surveys should not be used for any design and/or setting out purposes. We will install control stations where needed for the purposes of completing the survey only and these will be related to OS grid using industry grade survey equipment and GPS receivers. Subvision Surveys cannot accept any liability if our control stations are used for anything other than the purposes listed above without prior consultation.

LEVELLING NOTES
All levels and Co-ordinates are Above Ordnance Datum, fixed to the OS Network by GPS using GPS Active Network and transformed using the OSTN15 model.
All level pottions are indicated by a cross or as noted

MORGAN SINDALL

Project title	3D PAS128 GPR Utility Mapping and 3D Topographical Survey
Drawing title	Greenway Junior School, Greenway, Horsham, RH12 2JS
Client	Morgan Sindall

Scales	1:200	Drawn by	PV	Sheet size	A0
Surveyed by	JH/BH/JB/AM/KN	Checked by	KC	Approved by	JH
				Date	MAR 2026



SRP1029-SVS-XX-XX-D-Y-0003 / P01 / S2 - For Information

CLIENT:	MORGAN SINDALL GROUP
SITE:	GREENWAY JUNIOR SCHOOL
	GREENWAY, HORSHAM
	RH12 2JS
DATE:	10/03/2026

PLEASE NOTE THAT THIS DRAWING IS ONLY TO BE USED IN CONJUNCTION WITH OUR CCTV SURVEY REPORT

DRAWING IS NOT TO SCALE

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Project

Project Name:	2026_03_11 - SUBVISION - GREENWAYS JUNIOR SCHOOL- HORSHAM - RH12 2JS
Project Date:	11/03/2026
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

SRP1029-SVS-XX-XX-D-Y-0002 / P01 / S2 - For Information

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Project Information

Project Name	Project Number	Project Date
2026_03_11 - SUBVISION - GREENWAYS JUNIOR SCHOOL-		11/03/2026

Client

Company: MORGAN SINDALL

Site

Company: GREENWAY JUNIOR SCHOOL
Street: GREENWAY
Town or City: HORSHAM
Post Code: RH12 2JS

Contractor

Company: SUBVISION SURVEYS LTD
Contact: KEITH CALVIN
Department: MAPLINE HOUSE
Street: 14 BULL LANE
Town or City: RAYLEIGH
County: ESSEX
Post Code: SS6 8JG
Phone: 01702 780777
Email: info@subvisionsurveys.co.uk

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Scoring Summary

Project Name	Project Number	Project Date
2026_03_11 - SUBVISION - GREENWAYS JUNIOR SCHOOL-		11/03/2026

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.

Section	PLR	Grade	Description
7	MH3X	3	Fracture, circumferential from 12 o'clock to 12 o'clock
11	GU1X	3	Cracks, multiple from 12 o'clock to 12 o'clock
16	LAT (B)X	5	Collapsed drain or sewer, 100% cross-sectional area loss
27	MH11X	3	Fracture, circumferential at joint from 6 o'clock to 11 o'clock
33	MH13X	3	Fracture, circumferential from 12 o'clock to 12 o'clock
49	GU2X	3	Cracks, multiple from 8 o'clock to 4 o'clock
56	LAT (B)X	5	Collapsed drain or sewer, 100% cross-sectional area loss
112	LAT (E)X	4	Broken pipe at joint from 12 o'clock to 6 o'clock
117	LAT (C)X	4	Broken pipe from 9 o'clock to 4 o'clock
126	MH43.1X	3	Fracture, circumferential from 9 o'clock to 3 o'clock
129	LAT (A)X	4	Broken pipe from 12 o'clock to 12 o'clock
131	GU5X	4	Fracture, spiral 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.

Section	PLR	Grade	Description
1	MH30X	3	Multiple defects
2	MH30.1X	3	Multiple defects
3	BOUNDARYX	4	Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 60% cross-sectional area loss
4	LAT (A)X	5	Settled deposits, coarse, 90% cross-sectional area loss
9	MH8X	3	Settled deposits, fine, 10% cross-sectional area loss
10	MH7X	3	Settled deposits, fine, 10% cross-sectional area loss
11	GU1X	4	Multiple defects
13	MH2X	5	Other obstacles, brick or masonry in invert from 2 o'clock to 10 o'clock, 60% cross-sectional area loss
15	LAT (A)X	5	Settled deposits, coarse, 100% cross-sectional area loss
17	LAT (C)X	4	Settled deposits, fine, 40% cross-sectional area loss
20	MH15X	4	Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 30% cross-sectional area loss

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Scoring Summary

Project Name	Project Number	Project Date
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Section	PLR	Grade	Description
22	MH12X	4	Multiple defects
28	MH12X	4	Settled deposits, fine, 30% cross-sectional area loss
33	MH13X	3	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish
38	MH16X	4	Settled deposits, fine, 20% cross-sectional area loss
41	MH6X	4	Settled deposits, fine, 30% cross-sectional area loss
44	MH5X	4	Settled deposits, hard or compacted, 50% cross-sectional area loss
45	MH5X	4	Settled deposits, hard or compacted, 50% cross-sectional area loss
47	LAT (B)X	5	Roots, mass, 70% cross-sectional area loss
48	MH4X	5	Roots, mass, 30% cross-sectional area loss
49	GU2X	5	Roots, mass, 50% cross-sectional area loss
50	MH17X	3	Multiple defects
53	LAT (B)X	5	Other obstacles from 12 o'clock to 12 o'clock, 70% cross-sectional area los
57	LAT (C)X	4	Settled deposits, fine, 25% cross-sectional area loss
69	LAT (E)X	4	Settled deposits, fine, 50% cross-sectional area loss
70	MH33X	3	Settled deposits, fine, 10% cross-sectional area loss
73	MH32X	4	Settled deposits, fine, 60% cross-sectional area loss
80	LAT (E)X	4	Settled deposits, hard or compacted, 30% cross-sectional area loss
82	MH32X	4	Joint displaced, large
83	MH19X	4	Settled deposits, fine, 40% cross-sectional area loss
86	MH24X	5	Other obstacles, brick or masonry in invert from 6 o'clock to 9 o'clock, 20% cross-sectional area loss
87	MH25X	3	Attached deposits, grease from 10 o'clock to 2 o'clock, 10% cross-sectiona area loss
88	MH25.1X	4	Settled deposits, fine, 20% cross-sectional area loss
91	MH34X	4	Settled deposits, fine, 30% cross-sectional area loss
92	MH34X	4	Multiple defects
94	MH29X	3	Attached deposits, grease from 12 o'clock to 12 o'clock, 10% cross-sectional area loss
97	LAT (B)X	5	Settled deposits, coarse, 80% cross-sectional area loss
99	MH37X	3	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish
102	MH38.1X	3	Settled deposits, fine, 10% cross-sectional area loss
103	MH38X	4	Settled deposits, fine, 20% cross-sectional area loss
106	MH42X	4	Multiple defects
110	LAT (C)X	4	Settled deposits, fine, 50% cross-sectional area loss
111	LAT (D)X	4	Settled deposits, fine, 30% cross-sectional area loss
112	LAT (E)X	4	Settled deposits, coarse, 50% cross-sectional area loss
113	LAT (F)X	3	Multiple defects
114	MH41X	4	Settled deposits, hard or compacted, 20% cross-sectional area loss
117	LAT (C)X	4	Settled deposits, fine, 30% cross-sectional area loss
123	MH4X	5	Other obstacles, brick or masonry in invert from 4 o'clock to 7 o'clock, 20% cross-sectional area loss
127	MH20X	5	Other obstacles from 3 o'clock to 9 o'clock, 30% cross-sectional area loss
128	MH19X	4	Settled deposits, fine, 40% cross-sectional area loss
130	LAT (B)X	5	Settled deposits, coarse, 80% cross-sectional area loss
131	GU5X	4	Settled deposits, fine, 20% cross-sectional area loss

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Scoring Summary

Project Name	Project Number	Project Date
2026_03_11 - SUBVISION - GREENWAYS JUNIOR SCHOOL-		11/03/2026

Abandoned Surveys

Section	PLR	Description
3	BOUNDARYX	Survey abandoned
4	LAT (A)X	Survey abandoned
12	LAT (A)X	Survey abandoned
15	LAT (A)X	Survey abandoned
16	LAT (B)X	Survey abandoned
17	LAT (C)X	Survey abandoned
18	LAT (A)X	Survey abandoned
22	MH12X	Survey abandoned
28	MH12X	Survey abandoned
29	LAT (A)X	Survey abandoned
41	MH6X	Survey abandoned
44	MH5X	Survey abandoned
45	MH5X	Survey abandoned
47	LAT (B)X	Survey abandoned
48	MH4X	Survey abandoned
49	GU2X	Survey abandoned
51	LAT (A)X	Survey abandoned
52	LAT (A)X	Survey abandoned
53	LAT (B)X	Survey abandoned
56	LAT (B)X	Survey abandoned
57	LAT (C)X	Survey abandoned
59	LAT (A)X	Survey abandoned
69	LAT (E)X	Survey abandoned
73	MH32X	Survey abandoned
82	MH32X	Survey abandoned
83	MH19X	Survey abandoned
86	MH24X	Survey abandoned
91	MH34X	Survey abandoned
92	MH34X	Survey abandoned
95	MH28X	Survey abandoned
96	LAT (A)X	Survey abandoned
97	LAT (B)X	Survey abandoned
100	MH24X	Survey abandoned
101	LAT (A)X	Survey abandoned
110	LAT (C)X	Survey abandoned
114	MH41X	Survey abandoned
121	MH35X	Survey abandoned
123	MH4X	Survey abandoned
128	MH19X	Survey abandoned
130	LAT (B)X	Survey abandoned

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Scoring Summary

Project Name	Project Number	Project Date
2026_03_11 - SUBVISION - GREENWAYS JUNIOR SCHOOL-		11/03/2026

Information

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

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Section Inspection - 11/03/2026 - MH30X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	11/03/26	10:02	Not Specified	No Rain Or Snow	No	MH30X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH30
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	84.90 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	84.90 m	**Downstream Node:**	MH30.1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	375 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:736

Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m					
MH30					
0.00	MH	Start node, manhole, reference: MH30	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
5.20	DES	Settled deposits, fine, 15% cross-sectional area loss	00:01:16	218.jpg	3
20.20	DES	Settled deposits, fine, 10% cross-sectional area loss	00:04:07	219.jpg	3
42.80	DES	Settled deposits, fine, 10% cross-sectional area loss	00:07:28		3
59.60	DES	Settled deposits, fine, 10% cross-sectional area loss	00:10:11		3
84.90	MHF	Finish node, manhole, reference: MH30.1: MH IS BURIED	00:14:33	220.jpg	
MH30.1					
Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	4	2.0	0.1	8.0	3.0

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Section Pictures - 11/03/2026 - MH30X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	MH30X		

218.jpg, 00:01:16, 5.20 m
Settled deposits, fine, 15% cross-sectional area loss

219.jpg, 00:04:07, 20.20 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Pictures - 11/03/2026 - MH30X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	MH30X		

220.jpg, 00:14:33, 84.90 m
Finish node, manhole, reference: MH30.1, MH IS BURIED

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Section Inspection - 11/03/2026 - MH30.1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	11/03/26	10:22	Not Specified	No Rain Or Snow	No	MH30.1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH30.1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	36.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	36.50 m	**Downstream Node:**	BOUNDARY
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:317

Position [m]		Code	Observation	MPEG	Photo	Grade
Depth: m						
MH30.1						
0.00		MH	Start node, manhole, reference: MH30.1	00:14:49		
0.00		WL	Water level, 10% of the vertical dimension	00:00:00		
1.00		DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:40	1.jpg	3
8.80		DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss	00:01:58	2.jpg	3
8.80		ID	Infiltration, dripping at 10 o'clock	00:01:58	3.jpg	
28.60	S01	DES	Settled deposits, fine, 15% cross-sectional area loss, start	00:04:48	4.jpg	
28.60		WL	Water level, 20% of the vertical dimension	00:04:48		
36.00	F01	DES	Settled deposits, fine, 15% cross-sectional area loss, finish	00:06:53		3
36.50		MHF	Finish node, manhole, reference: BOUNDARY: BOUNDARY POINT REACHED	00:07:34	5.jpg	
BOUNDARY						
Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.5	20.0	3.0

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Section Pictures - 11/03/2026 - MH30.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH30.1X		

1.jpg, 00:00:40, 1.00 m
Settled deposits, fine, 10% cross-sectional area loss

2.jpg, 00:01:58, 8.80 m
Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss

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Section Pictures - 11/03/2026 - MH30.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH30.1X		

3.jpg, 00:01:58, 8.80 m
Infiltration, dripping at 10 o'clock

4.jpg, 00:04:48, 28.60 m
Settled deposits, fine, 15% cross-sectional area loss, start

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Section Pictures - 11/03/2026 - MH30.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH30.1X		

5.jpg, 00:07:34, 36.50 m
Finish node, manhole, reference: BOUNDARY, BOUNDARY POINT REACHED

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Section Inspection - 11/03/2026 - BOUNDARYX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	11/03/26	10:52	Not Specified	No Rain Or Snow	No	BOUNDARYX

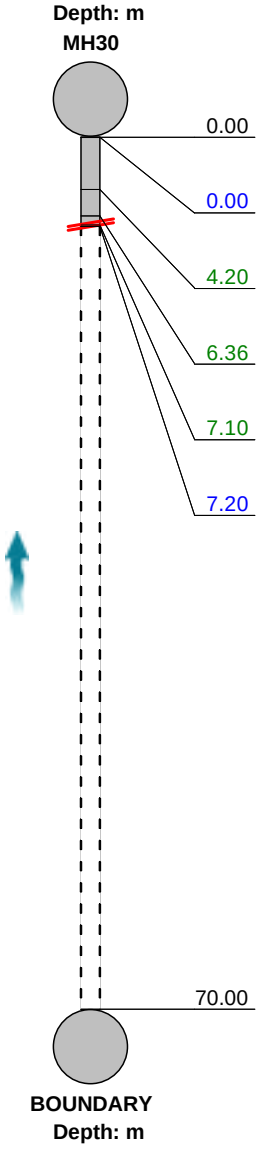
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	BOUNDARY
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	7.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	70.00 m	**Downstream Node:**	MH30
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**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:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:607



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH30	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension	00:07:46		
4.20	DES	Settled deposits, fine, 10% cross-sectional area loss	00:01:07	6.jpg	3
6.36	DES	Settled deposits, fine, 10% cross-sectional area loss	00:01:35	7.jpg	3
7.10	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 60% cross-sectional area loss	00:01:47	8.jpg	4
7.20	SA	Survey abandoned: DUE TO PART. BLOCKAGE	00:02:26	9.jpg	
70.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	0.1	9.0	4.0

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Section Pictures - 11/03/2026 - BOUNDARYX

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

6.jpg, 00:01:07, 4.20 m
Settled deposits, fine, 10% cross-sectional area loss

7.jpg, 00:01:35, 6.36 m
Settled deposits, fine, 10% cross-sectional area loss

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Section Pictures - 11/03/2026 - BOUNDARYX

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

8.jpg, 00:01:47, 7.10 m
Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 60% cross-sectional area loss

9.jpg, 00:02:26, 7.20 m
Survey abandoned, DUE TO PART. BLOCKAGE

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Section Inspection - 10/03/2026 - LAT (A)X

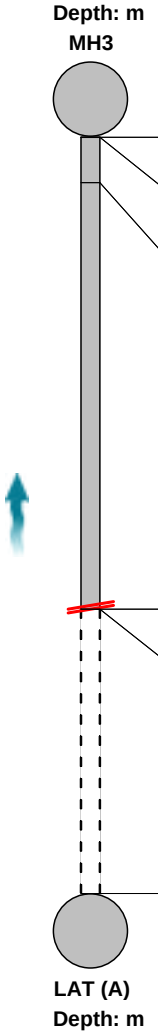
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	10/03/26	15:26	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.12 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH3
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:**	Vitrified clay
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: MH3	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.30	DER	Settled deposits, coarse, 20% cross-sectional area loss	00:00:07	10.jpg	4
3.12	DER	Settled deposits, coarse, 90% cross-sectional area loss: LINE BLOCKED (CLEANING REQ'D)	00:00:55	11.jpg	5
3.12	SA	Survey abandoned: DUE TO DEBRIS	00:00:55	12.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	3.0	15.0	5.0

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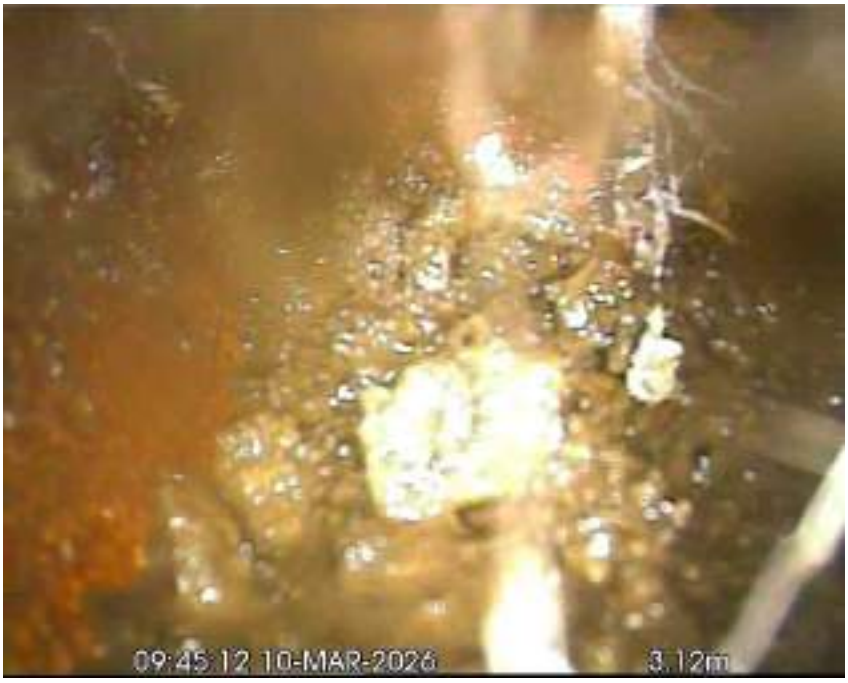
Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Upstream	LAT (A)X		

10.jpg, 00:00:07, 0.30 m
Settled deposits, coarse, 20% cross-sectional area loss



11.jpg, 00:00:55, 3.12 m
Settled deposits, coarse, 90% cross-sectional area loss, LINE BLOCKED (CLEANING REQ'D)

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Upstream	LAT (A)X		

12.jpg, 00:00:55, 3.12 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	10/03/26	15:26	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.73 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.73 m	**Downstream Node:**	MH3
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:**	Vitrified clay
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 MH3						
	0.00	MH	Start node, manhole, reference: MH3	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	2.68	LR	Line deviates right	00:00:20		
	3.48	LU	Line deviates up	00:00:28		
	3.73	MHF	Finish node, manhole, reference: LAT (B): W.C.REACHED	00:00:30	13.jpg	
LAT (B) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
5	Upstream	LAT (B)X		

13.jpg, 00:00:30, 3.73 m
Finish node, manhole, reference: LAT (B), W.C.REACHED

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Section Inspection - 10/03/2026 - LAT (C)X

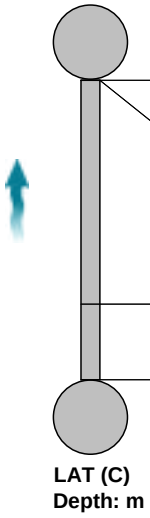
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	10/03/26	15:26	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.98 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.98 m	**Downstream Node:**	MH3
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:**	Vitrified clay
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: MH3	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.48	LR	Line deviates right	00:00:13		
1.98	MHF	Finish node, manhole, reference: LAT (C): GULL TRAP REACHED		14.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
6	Upstream	LAT (C)X		

14.jpg, 1.98 m
Finish node, manhole, reference: LAT (C), GULL TRAP REACHED

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Section Inspection - 10/03/2026 - MH3X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	10/03/26	15:26	Not Specified	No Rain Or Snow	No	MH3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH3
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	8.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.20 m	**Downstream Node:**	MH1
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:71

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:00:07	15.jpg	3 / 2
8.20	MHF	Finish node, manhole, reference: MH1	00:00:43	16.jpg	

Construction Features — Structural Defects

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade
1	40.0	4.9	40.0	3.0

Miscellaneous Features — Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.1	1.0	2.0

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Section Pictures - 10/03/2026 - MH3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
7	Downstream	MH3X		

15.jpg, 00:00:07, 0.20 m
Fracture, circumferential from 12 o'clock to 12 o'clock

16.jpg, 00:00:43, 8.20 m
Finish node, manhole, reference: MH1

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Section Inspection - 10/03/2026 - MH1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	MH1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	13.27 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	13.27 m	**Downstream Node:**	MH8
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:115

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:09	17.jpg	2 / 2
4.84	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:50	18.jpg	2 / 2
12.43	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:01:39	19.jpg	2 / 2
13.27	MHF	Finish node, manhole, reference: MH8	00:01:45	20.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	10.0	2.3	30.0	2.0	3	1.0	0.2	3.0	2.0

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Section Pictures - 10/03/2026 - MH1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Downstream	MH1X		

17.jpg, 00:00:09, 0.10 m
Crack, circumferential from 12 o'clock to 12 o'clock

18.jpg, 00:00:50, 4.84 m
Crack, circumferential from 12 o'clock to 12 o'clock

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Section Pictures - 10/03/2026 - MH1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Downstream	MH1X		

19.jpg, 00:01:39, 12.43 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

20.jpg, 00:01:45, 13.27 m
Finish node, manhole, reference: MH8

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Section Inspection - 10/03/2026 - MH8X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	MH8X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH8
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	11.33 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	11.33 m	**Downstream Node:**	MH9
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:99

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH8	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
10.18	DES	Settled deposits, fine, 10% cross-sectional area loss	00:01:05	21.jpg	3
11.33	MHF	Finish node, manhole, reference: MH9	00:01:14	22.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.2	2.0	3.0

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Section Pictures - 10/03/2026 - MH8X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Downstream	MH8X		

21.jpg, 00:01:05, 10.18 m
Settled deposits, fine, 10% cross-sectional area loss

22.jpg, 00:01:14, 11.33 m
Finish node, manhole, reference: MH9

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Section Inspection - 10/03/2026 - MH7X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	MH7X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH7
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.20 m	**Downstream Node:**	MH2
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:**	Vitrified clay
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: MH2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.45	LL	Line deviates left	00:00:09		
1.74	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:16	23.jpg	3
3.20	MHF	Finish node, manhole, reference: MH7: DEBRIS/STONES IN MH	00:00:24	24.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.6	2.0	3.0

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Section Pictures - 10/03/2026 - MH7X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Upstream	MH7X		

23.jpg, 00:00:16, 1.74 m
Settled deposits, fine, 10% cross-sectional area loss

24.jpg, 00:00:24, 3.20 m
Finish node, manhole, reference: MH7, DEBRIS/STONES IN MH

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Section Inspection - 10/03/2026 - GU1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	GU1X

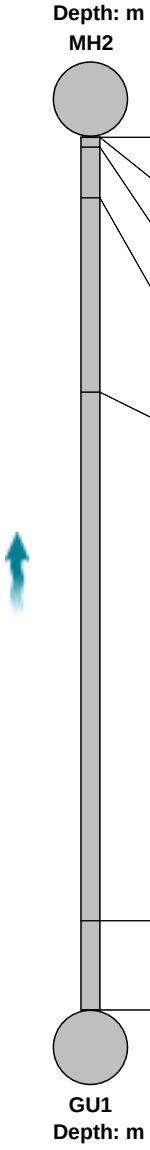
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	GU1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	8.66 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.66 m	**Downstream Node:**	MH2
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:75



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	CM	Cracks, multiple from 12 o'clock to 12 o'clock		221.jpg	3 / 2
0.60	LR	Line deviates right	00:00:06		
2.53	DES	Settled deposits, fine, 25% cross-sectional area loss	00:00:18	222.jpg	4
7.77	DES	Settled deposits, fine, 40% cross-sectional area loss	00:01:06	223.jpg	4
8.66	MHF	Finish node, manhole, reference: GU1	00:01:14	224.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	4.6	40.0	3.0	3	5.0	1.3	11.0	4.0

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Section Pictures - 10/03/2026 - GU1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	GU1X		

221.jpg, 0.10 m
Cracks, multiple from 12 o'clock to 12 o'clock

222.jpg, 00:00:18, 2.53 m
Settled deposits, fine, 25% cross-sectional area loss

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Section Pictures - 10/03/2026 - GU1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	GU1X		

223.jpg, 00:01:06, 7.77 m
Settled deposits, fine, 40% cross-sectional area loss

224.jpg, 00:01:14, 8.66 m
Finish node, manhole, reference: GU1

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Section Inspection - 10/03/2026 - LAT (A)X

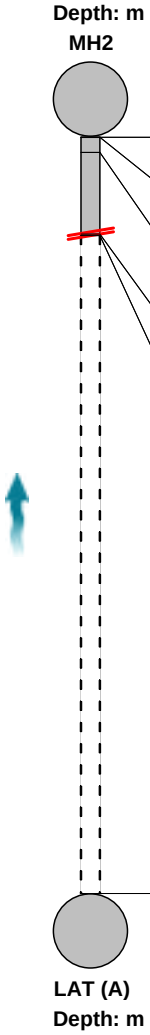
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.65 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH2
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:**	Vitrified clay
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: MH2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:06	225.jpg	2 / 2
0.64	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:10	226.jpg	4
0.65	SA	Survey abandoned: DUE TO DEBRIS	00:00:20	227.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	2.0	10.0	2.0	2	8.0	1.8	9.0	4.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	LAT (A)X		

225.jpg, 00:00:06, 0.10 m
Crack, circumferential from 12 o'clock to 12 o'clock

226.jpg, 00:00:10, 0.64 m
Settled deposits, fine, 50% cross-sectional area loss

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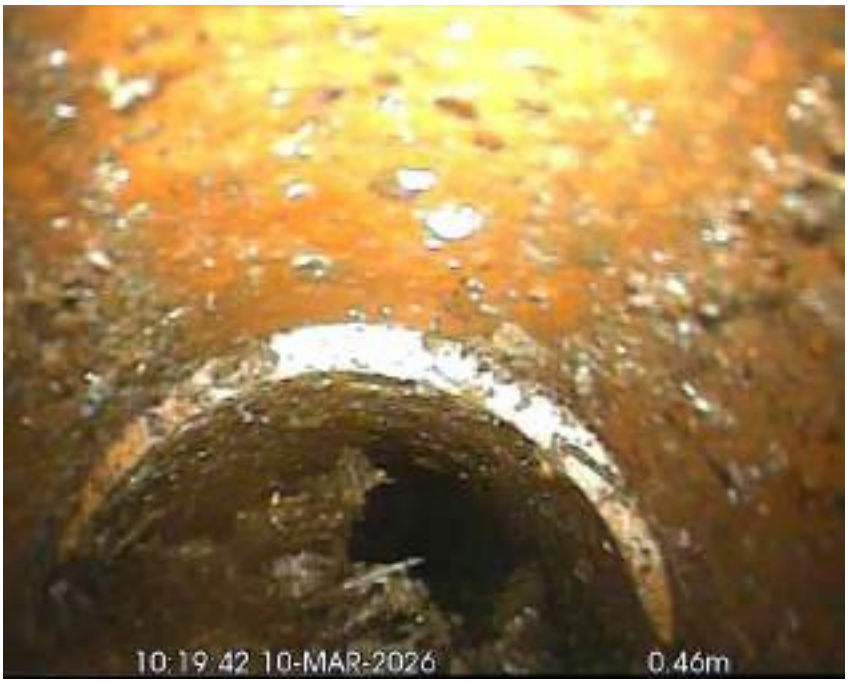
Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	LAT (A)X		



227.jpg, 00:00:20, 0.65 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 10/03/2026 - MH2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	10/03/26	15:27	Not Specified	No Rain Or Snow	No	MH2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH2
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	25.26 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	25.26 m	**Downstream Node:**	MH10
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:219

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.12	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:10	25.jpg	2 / 2
5.97	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:38	26.jpg	2 / 2
13.30	DES	Settled deposits, fine, 10% cross-sectional area loss	00:01:05	27.jpg	3
16.76	JN	Junction at 9 o'clock, 100mm dia	00:01:19		
21.54	JN	Junction at 9 o'clock, 100mm dia	00:01:43		
24.12	CN	Connection other than junction at 12 o'clock, 100mm dia	00:02:00	28.jpg	
24.71	OBB	Other obstacles, brick or masonry in invert from 2 o'clock to 10 o'clock, 60% cross-sectional area loss	00:02:19	29.jpg	5
25.26	MHF	Finish node, manhole, reference: MH10	00:02:28	30.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	10.0	0.8	20.0	2.0	4	10.0	0.6	14.0	5.0

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Section Pictures - 10/03/2026 - MH2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Downstream	MH2X		

25.jpg, 00:00:10, 0.12 m
Crack, circumferential from 12 o'clock to 12 o'clock

26.jpg, 00:00:38, 5.97 m
Crack, circumferential from 12 o'clock to 12 o'clock

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Section Pictures - 10/03/2026 - MH2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Downstream	MH2X		

27.jpg, 00:01:05, 13.30 m
Settled deposits, fine, 10% cross-sectional area loss

28.jpg, 00:02:00, 24.12 m
Connection other than junction at 12 o'clock, 100mm dia

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Section Pictures - 10/03/2026 - MH2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Downstream	MH2X		

29.jpg, 00:02:19, 24.71 m
Other obstacles, brick or masonry in invert from 2 o'clock to 10 o'clock, 60% cross-sectional area loss

30.jpg, 00:02:28, 25.26 m
Finish node, manhole, reference: MH10

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Section Inspection - 10/03/2026 - UPSTREAMX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	UPSTREAMX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAM
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	17.61 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	17.61 m	**Downstream Node:**	GU1
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: 1:153 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m GU1					
0.00	MH	Start node, manhole, reference: GU1	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
5.00	WL	Water level, 5% of the vertical dimension	00:00:36		
13.45	LL	Line deviates left	00:01:03		
17.61	MHF	Finish node, manhole, reference: UPSTREAM: POSS. ATTENUATION TANK REACHED	00:01:25	228.jpg	
UPSTREAM Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - UPSTREAMX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
14	Upstream	UPSTREAMX		

228.jpg, 00:01:25, 17.61 m
Finish node, manhole, reference: UPSTREAM, POSS. ATTENUATION TANK REACHED

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Section Inspection - 10/03/2026 - LAT (A)X

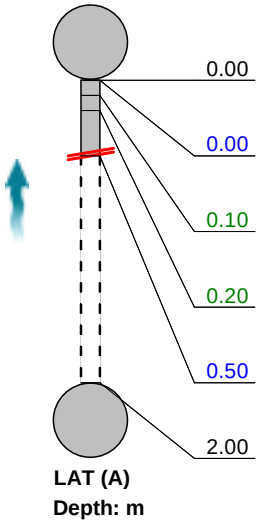
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.00 m	**Downstream Node:**	MH7
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:**	Vitrified clay
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: MH7	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DER	Settled deposits, coarse, 100% cross-sectional area loss: LINE BLOCKED WITH RUBBLE ETC.		229.jpg	5
0.20	LU	Line deviates up	00:00:10		
0.50	SA	Survey abandoned: DUE TO DEBRIS	00:00:13	230.jpg	
2.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	10.0	5.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Upstream	LAT (A)X		

229.jpg, 0.10 m
Settled deposits, coarse, 100% cross-sectional area loss, LINE BLOCKED WITH RUBBLE ETC.

230.jpg, 00:00:13, 0.50 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (B)X

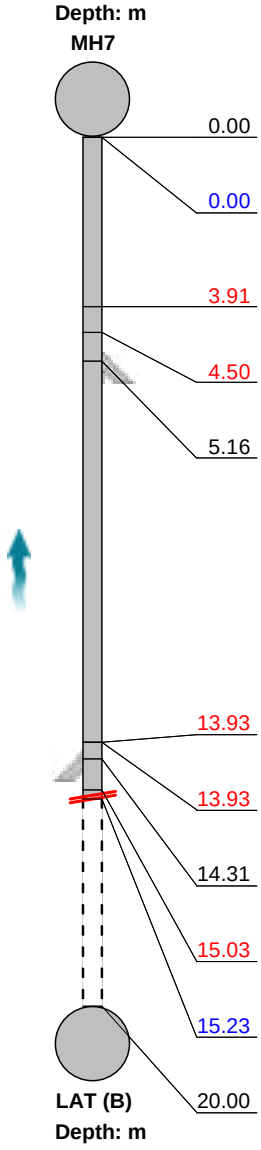
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	15.23 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.00 m	**Downstream Node:**	MH7
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:**	Vitrified clay
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: MH7	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
3.91	CL	Crack, longitudinal at 12 o'clock	00:00:30	231.jpg	2 / 2
4.50	JDM	Joint displaced, medium	00:00:32	232.jpg	1 / 3
5.16	JN	Junction at 9 o'clock, 100mm dia	00:00:35		
13.93	JDL	Joint displaced, large	00:01:26	233.jpg	1 / 4
13.93	CS	Cracks, spiral from 9 o'clock to 5 o'clock	00:01:26	234.jpg	3 / 2
14.31	JN	Junction at 3 o'clock, 100mm dia	00:01:29		
15.03	XP	Collapsed drain or sewer, 100% cross-sectional area loss	00:01:39	235.jpg	5
15.23	SA	Survey abandoned: DUE TO COLLAPSE	00:01:41	236.jpg	
20.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	10.9	218.0	5.0	4	6.0	0.5	9.0	4.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Upstream	LAT (B)X		

231.jpg, 00:00:30, 3.91 m
Crack, longitudinal at 12 o'clock

232.jpg, 00:00:32, 4.50 m
Joint displaced, medium

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Upstream	LAT (B)X		

233.jpg, 00:01:26, 13.93 m
Joint displaced, large

234.jpg, 00:01:26, 13.93 m
Cracks, spiral from 9 o'clock to 5 o'clock

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Upstream	LAT (B)X		

235.jpg, 00:01:39, 15.03 m
Collapsed drain or sewer, 100% cross-sectional area loss

236.jpg, 00:01:41, 15.23 m
Survey abandoned, DUE TO COLLAPSE

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Section Inspection - 10/03/2026 - LAT (C)X

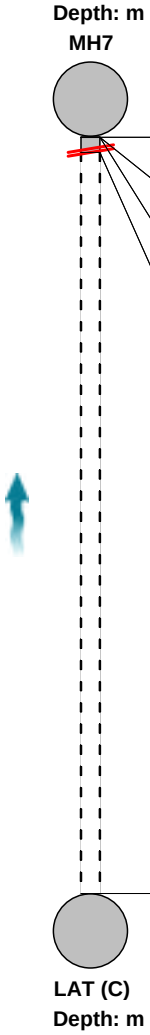
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH7
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:**	Vitrified clay
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: MH7	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 40% cross-sectional area loss		31.jpg	4
0.10	SA	Survey abandoned: DUE TO HEAVY SILT	00:00:17	32.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.0	5.0	4.0

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Section Pictures - 10/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
17	Upstream	LAT (C)X		

31.jpg, 0.00 m
Settled deposits, fine, 40% cross-sectional area loss

32.jpg, 00:00:17, 0.10 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (A)X

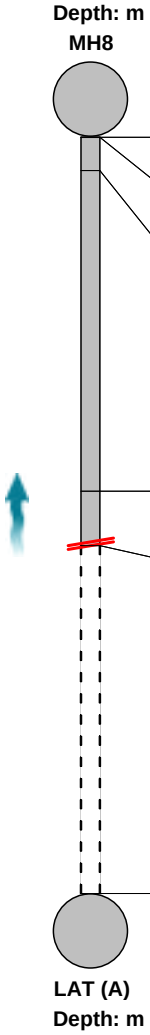
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.70 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH8
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:**	Vitrified clay
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: MH8	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.22	DEG	Attached deposits, grease from 3 o'clock to 9 o'clock, 5% cross-sectional area loss	00:00:09	33.jpg	3
2.34	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:24	34.jpg	4
2.70	SA	Survey abandoned: DUE TO DEBRIS	00:00:44	35.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	2.4	12.0	4.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
18	Upstream	LAT (A)X		

33.jpg, 00:00:09, 0.22 m
Attached deposits, grease from 3 o'clock to 9 o'clock, 5% cross-sectional area loss

34.jpg, 00:00:24, 2.34 m
Settled deposits, fine, 50% cross-sectional area loss

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
18	Upstream	LAT (A)X		

35.jpg, 00:00:44, 2.70 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 10/03/2026 - MH9X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	MH9X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH9
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	12.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	12.60 m	**Downstream Node:**	MH15
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:110

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
12.60	MHF	Finish node, manhole, reference: MH15	00:01:18	36.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - MH9X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
19	Downstream	MH9X		

36.jpg, 00:01:18, 12.60 m
Finish node, manhole, reference: MH15

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Section Inspection - 10/03/2026 - MH15X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	MH15X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH15
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.52 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.52 m	**Downstream Node:**	MH16
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:**	Vitrified clay
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 MH15					
0.00	MH	Start node, manhole, reference: MH15	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
3.11	DEEJ	Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 30% cross-sectional area loss	00:00:35	37.jpg	4
3.52	MHF	Finish node, manhole, reference: MH16	00:00:39	38.jpg	
MH16 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.4	5.0	4.0

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Section Pictures - 10/03/2026 - MH15X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
20	Downstream	MH15X		

37.jpg, 00:00:35, 3.11 m
Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 30% cross-sectional area loss

38.jpg, 00:00:39, 3.52 m
Finish node, manhole, reference: MH16

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Section Inspection - 10/03/2026 - MH10X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	10/03/26	15:28	Not Specified	No Rain Or Snow	No	MH10X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH10
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	9.68 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.68 m	**Downstream Node:**	MH13
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:84

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH10	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.36	CCJ	Crack, circumferential at joint from 7 o'clock to 12 o'clock	00:00:06	237.jpg	2 / 2
1.01	CCJ	Crack, circumferential at joint from 12 o'clock to 3 o'clock	00:00:10	238.jpg	2 / 2
8.66	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:51	239.jpg	2 / 2
9.68	MHF	Finish node, manhole, reference: MH13	00:00:56	240.jpg	

Construction Features — Structural Defects

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade
3	10.0	3.1	30.0	2.0

Miscellaneous Features — Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	1.0	0.3	3.0	2.0

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Section Pictures - 10/03/2026 - MH10X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
21	Downstream	MH10X		

237.jpg, 00:00:06, 0.36 m
Crack, circumferential at joint from 7 o'clock to 12 o'clock

238.jpg, 00:00:10, 1.01 m
Crack, circumferential at joint from 12 o'clock to 3 o'clock

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Section Pictures - 10/03/2026 - MH10X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
21	Downstream	MH10X		

239.jpg, 00:00:51, 8.66 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

240.jpg, 00:00:56, 9.68 m
Finish node, manhole, reference: MH13

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Section Inspection - 10/03/2026 - MH12X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	MH12X

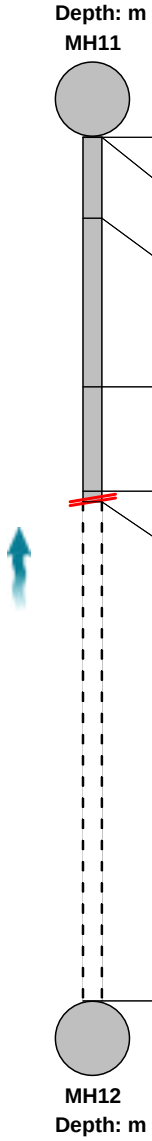
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH12
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.38 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.00 m	**Downstream Node:**	MH11
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:70



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH11	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.75	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:13	241.jpg	3
2.31	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:23	242.jpg	4
3.28	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:30	243.jpg	4
3.38	SA	Survey abandoned: DUE TO DEBRIS	00:00:38	244.jpg	
8.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	1.5	12.0	4.0

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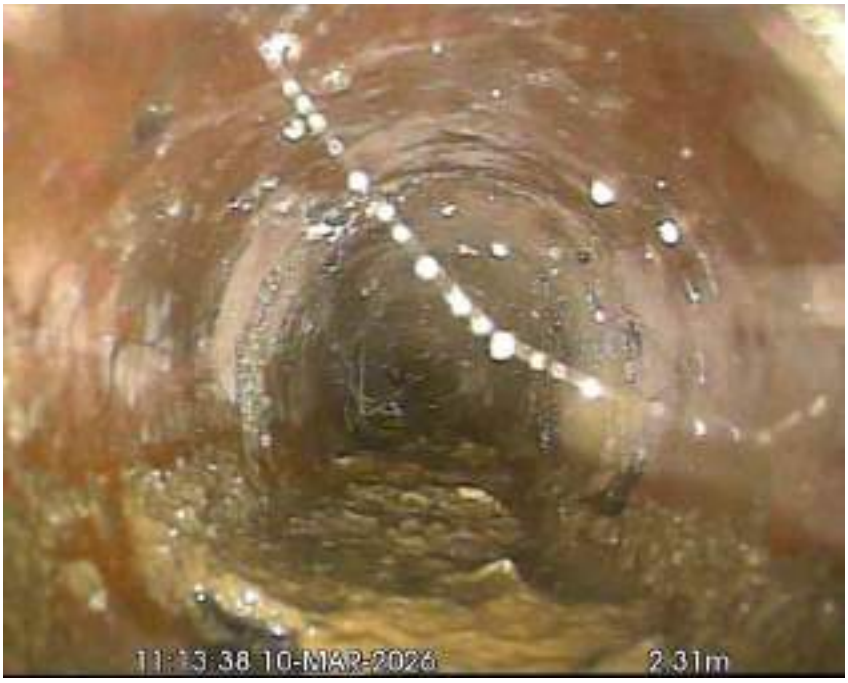
Section Pictures - 10/03/2026 - MH12X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
22	Upstream	MH12X		

241.jpg, 00:00:13, 0.75 m
Settled deposits, fine, 10% cross-sectional area loss



242.jpg, 00:00:23, 2.31 m
Settled deposits, fine, 20% cross-sectional area loss

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Section Pictures - 10/03/2026 - MH12X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
22	Upstream	MH12X		

243.jpg, 00:00:30, 3.28 m
Settled deposits, fine, 30% cross-sectional area loss

244.jpg, 00:00:38, 3.38 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.86 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.86 m	**Downstream Node:**	MH11
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:**	Vitrified clay
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 MH11						
	0.00	MH	Start node, manhole, reference: MH11	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.50	LR	Line deviates right	00:00:07		
	3.86	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:25	39.jpg	
LAT (A) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	LAT (A)X		

39.jpg, 00:00:25, 3.86 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.60 m	**Downstream Node:**	MH11
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:**	Vitrified clay
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 MH11					
0.00	MH	Start node, manhole, reference: MH11	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
2.99	FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:00:28	40.jpg	3 / 2
3.26	LU	Line deviates up	00:00:30		
3.60	MHF	Finish node, manhole, reference: LAT (B): DOWNPIPE REACHED	00:00:29	41.jpg	
LAT (B) Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	11.1	40.0	3.0	1	1.0	0.3	1.0	2.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
24	Upstream	LAT (B)X		

40.jpg, 00:00:28, 2.99 m
Fracture, circumferential from 12 o'clock to 12 o'clock

41.jpg, 00:00:29, 3.60 m
Finish node, manhole, reference: LAT (B), DOWNPIPE REACHED

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Section Inspection - 10/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.38 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.38 m	**Downstream Node:**	MH11
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:**	Vitrified clay
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: MH11	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	LL	Line deviates left	00:00:08		
0.10	JDM	Joint displaced, medium	00:00:08	42.jpg	1 / 3
3.13	LU	Line deviates up	00:00:28		
3.20	FL	Fracture, longitudinal at 12 o'clock: ON BEND UP TO DOWNSTACL	00:00:28	43.jpg	3 / 2
3.38	MHF	Finish node, manhole, reference: LAT (C): STACK/W.C. REACHED	00:00:30	44.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	40.0	12.1	41.0	3.0	2	2.0	0.9	3.0	3.0

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Section Pictures - 10/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LAT (C)X		

42.jpg, 00:00:08, 0.10 m
Joint displaced, medium

43.jpg, 00:00:28, 3.20 m
Fracture, longitudinal at 12 o'clock, ON BEND UP TO DOWNSTACL

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Section Pictures - 10/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
25	Upstream	LAT (C)X		

44.jpg, 00:00:30, 3.38 m
Finish node, manhole, reference: LAT (C), STACK/W.C. REACHED

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Section Inspection - 10/03/2026 - LAT (D)X

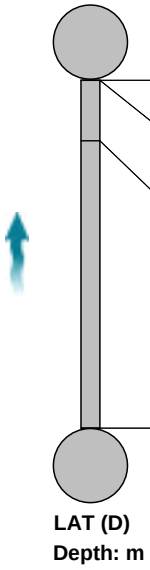
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (D)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (D)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.30 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.30 m	**Downstream Node:**	MH11
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:**	Vitrified clay
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: MH11	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.40	LL	Line deviates left	00:00:11		
2.30	MHF	Finish node, manhole, reference: LAT (D): GULLY REACHED REACHED	00:00:23	45.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (D)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
26	Upstream	LAT (D)X		

45.jpg, 00:00:23, 2.30 m
Finish node, manhole, reference: LAT (D), GULLY REACHED REACHED

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Section Inspection - 10/03/2026 - MH11X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	MH11X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH11
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	10.96 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	10.96 m	**Downstream Node:**	MH9
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:95

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH11	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
1.54	FCJ	Fracture, circumferential at joint from 6 o'clock to 11 o'clock	00:00:11	245.jpg	3 / 2
10.96	MHF	Finish node, manhole, reference: MH9	00:00:56	246.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	3.6	40.0	3.0	1	1.0	0.1	1.0	2.0

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Section Pictures - 10/03/2026 - MH11X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
27	Downstream	MH11X		

245.jpg, 00:00:11, 1.54 m
Fracture, circumferential at joint from 6 o'clock to 11 o'clock

246.jpg, 00:00:56, 10.96 m
Finish node, manhole, reference: MH9

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Section Inspection - 10/03/2026 - MH12X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	MH12X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH12
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.01 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.00 m	**Downstream Node:**	MH11
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining
Comments:	OVERLAP SURVEY		
Recommendations:			

Scale: 1:70

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH12: OVERLAP SURVEY	00:00:00		
0.00	WL	Water level, 40% of the vertical dimension			
0.10	DES	Settled deposits, fine, 30% cross-sectional area loss: BLOCKING VISION		46.jpg	4
1.01	SA	Survey abandoned: DUE TO SILT BLOCKING VISION	00:00:14	47.jpg	
8.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	0.6	5.0	4.0

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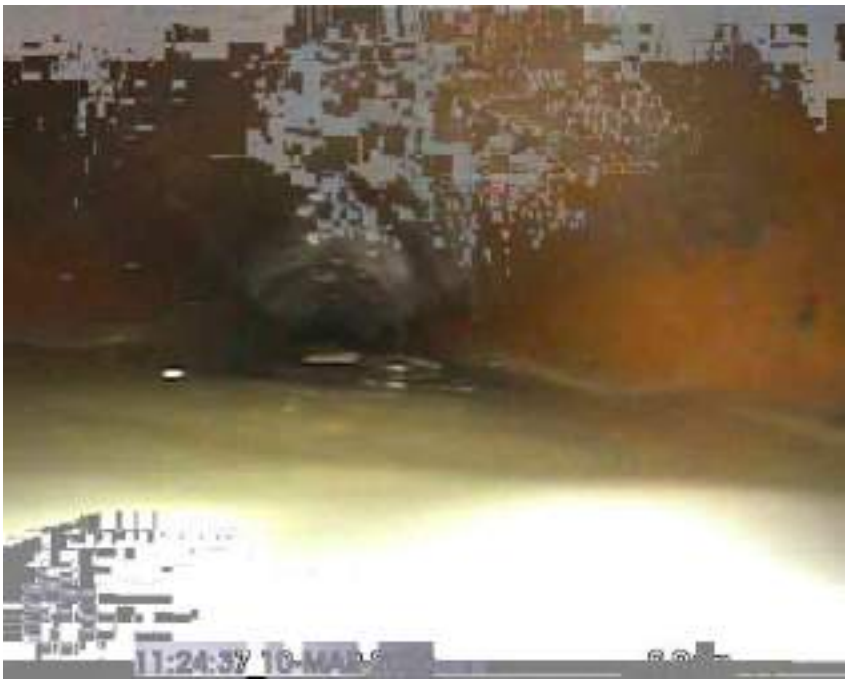
Section Pictures - 10/03/2026 - MH12X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
28	Downstream	MH12X		



46.jpg, 0.10 m
Settled deposits, fine, 30% cross-sectional area loss, BLOCKING VISION

47.jpg, 00:00:14, 1.01 m
Survey abandoned, DUE TO SILT BLOCKING VISION

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Section Inspection - 10/03/2026 - LAT (A)X

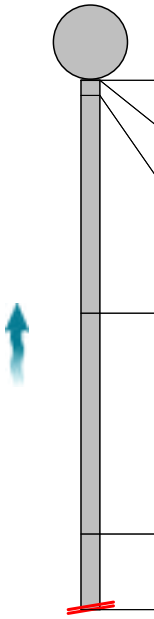
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
29	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.50 m	**Downstream Node:**	MH12
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:**	Vitrified clay
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: MH12	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 40% cross-sectional area loss		247.jpg	4
1.54	DER	Settled deposits, coarse, 30% cross-sectional area loss	00:00:20	248.jpg	4
3.00	DER	Settled deposits, coarse, 50% cross-sectional area loss		249.jpg	4
3.50	SA	Survey abandoned: DUE TO DEBRIS	00:00:37		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.1	18.0	5.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
29	Upstream	LAT (A)X		

247.jpg, 0.10 m
Settled deposits, fine, 40% cross-sectional area loss

248.jpg, 00:00:20, 1.54 m
Settled deposits, coarse, 30% cross-sectional area loss

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
29	Upstream	LAT (A)X		

249.jpg, 3.00 m
Settled deposits, coarse, 50% cross-sectional area loss

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Section Inspection - 10/03/2026 - LAT (B)X

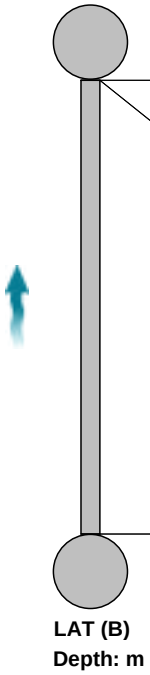
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
30	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.00 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.00 m	**Downstream Node:**	MH12
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:**	Vitrified clay
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: MH12	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
3.00	MHF	Finish node, manhole, reference: LAT (B): GULLY TRAP REACHED	00:00:27	48.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
30	Upstream	LAT (B)X		

48.jpg, 00:00:27, 3.00 m
Finish node, manhole, reference: LAT (B), GULLY TRAP REACHED

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Section Inspection - 10/03/2026 - LAT (A)X

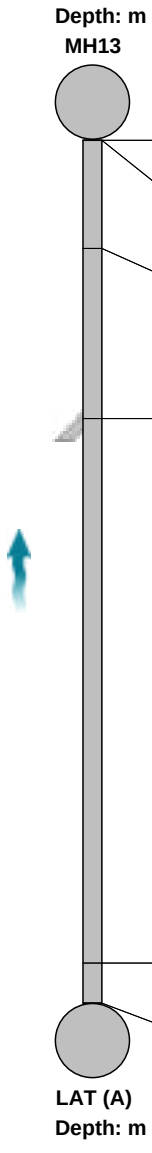
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
31	1	10/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	9.13 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.13 m	**Downstream Node:**	MH13
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:80 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH13	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.15	LR	Line deviates right	00:00:24		
2.95	JN	Junction at 3 o'clock, 100mm dia	00:00:36		
8.71	LL	Line deviates left	00:01:23		
9.13	MHF	Finish node, manhole, reference: LAT (A): POSS. GULLY REACHED (UNABLE TO FULLY PUSH CAMERA ROUND SHARP BEND)		49.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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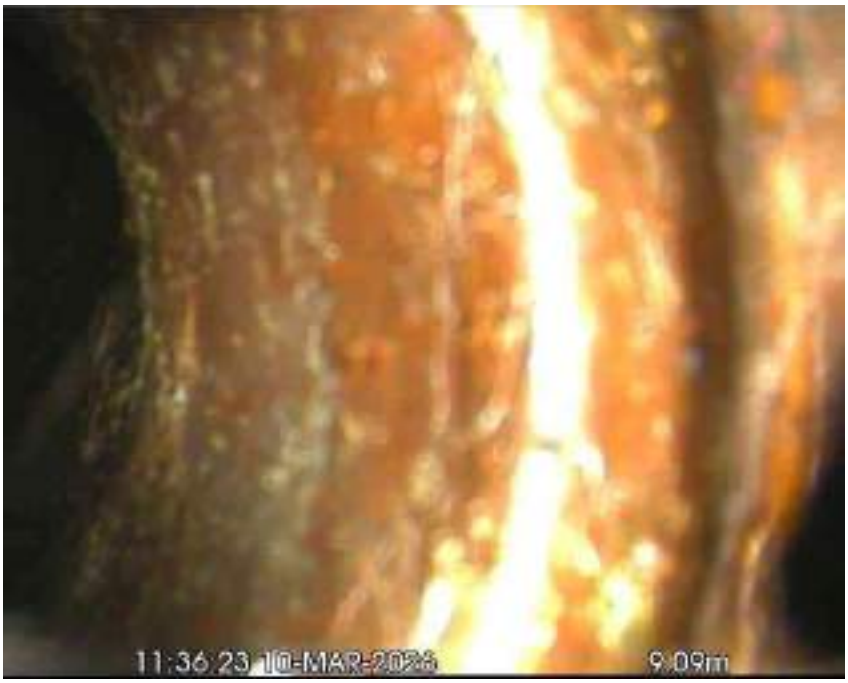
Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
31	Upstream	LAT (A)X		



49.jpg, 9.13 m
Finish node, manhole, reference: LAT (A), POSS. GULLY REACHED (UNABLE TO FULLY PUSH CAMERA ROUND SHARP BEND)

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
32	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (B)X

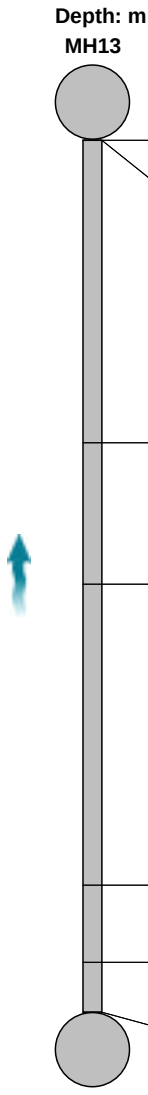
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	20.87 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.87 m	**Downstream Node:**	MH13
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:181



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH13	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
7.24	JDM	Joint displaced, medium	00:00:38	50.jpg	1 / 3
10.64	MCCI	Pipe material changes to cast iron at this point	00:00:53		
17.84	MCVC	Pipe material changes to vitrified clay at this point	00:01:53		
19.68	JDM	Joint displaced, medium	00:02:07	51.jpg	1 / 3
20.87	MHF	Finish node, manhole, reference: LAT (B)	00:02:23	52.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	1.0	0.1	2.0	1.0	2	2.0	0.2	4.0	3.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
32	Upstream	LAT (B)X		

50.jpg, 00:00:38, 7.24 m
Joint displaced, medium

51.jpg, 00:02:07, 19.68 m
Joint displaced, medium

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
32	Upstream	LAT (B)X		

52.jpg, 00:02:23, 20.87 m
Finish node, manhole, reference: LAT (B)

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Section Inspection - 10/03/2026 - MH13X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
33	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	MH13X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH13
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	21.29 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	21.29 m	**Downstream Node:**	MH4
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:**	Vitrified clay
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: MH13	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension			
0.20		FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:00:12	53.jpg	3 / 2
0.40		MCCI	Pipe material changes to cast iron at this point		54.jpg	
0.40	S01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, start: LIGHT SCALE THROUGHOUT CAST SECTION		55.jpg	
19.49		MCVC	Pipe material changes to vitrified clay at this point	00:03:23		
19.49	F01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish: LIGHT SCALE THROUGHOUT CAST SECTION	00:03:23		3
21.29		MHF	Finish node, manhole, reference: MH4: ROOTS IN MH	00:03:47	56.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	1.9	40.0	3.0	2	3.0	1.9	41.0	3.0

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Section Pictures - 10/03/2026 - MH13X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
33	Downstream	MH13X		

53.jpg, 00:00:12, 0.20 m
Fracture, circumferential from 12 o'clock to 12 o'clock

54.jpg, 0.40 m
Pipe material changes to cast iron at this point

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Section Pictures - 10/03/2026 - MH13X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
33	Downstream	MH13X		

55.jpg, 0.40 m
Settled deposits, hard or compacted, 10% cross-sectional area loss, start, LIGHT SCALE THROUGHOUT CAST SECTION

56.jpg, 00:03:47, 21.29 m
Finish node, manhole, reference: MH4, ROOTS IN MH

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Section Inspection - 10/03/2026 - MH14X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
34	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	MH14X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH14
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	13.27 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	13.27 m	**Downstream Node:**	MH09
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:115

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH14	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.40	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:09	57.jpg	2 / 2
1.05	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock		58.jpg	2 / 2
1.58	CC	Crack, circumferential from 12 o'clock to 4 o'clock	00:00:15	59.jpg	2 / 2
9.20	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:49	60.jpg	2 / 2
11.95	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:01:01	61.jpg	2 / 2
13.27	MHF	Finish node, manhole, reference: MH09	00:01:13	62.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
5	10.0	3.8	50.0	2.0	5	1.0	0.4	5.0	2.0

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Section Pictures - 10/03/2026 - MH14X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
34	Downstream	MH14X		

57.jpg, 00:00:09, 0.40 m
Crack, circumferential from 12 o'clock to 12 o'clock

58.jpg, 1.05 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

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Section Pictures - 10/03/2026 - MH14X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
34	Downstream	MH14X		

59.jpg, 00:00:15, 1.58 m
Crack, circumferential from 12 o'clock to 4 o'clock

60.jpg, 00:00:49, 9.20 m
Crack, circumferential from 12 o'clock to 12 o'clock

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Section Pictures - 10/03/2026 - MH14X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
34	Downstream	MH14X		

61.jpg, 00:01:01, 11.95 m
Crack, circumferential from 12 o'clock to 12 o'clock

62.jpg, 00:01:13, 13.27 m
Finish node, manhole, reference: MH09

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Section Inspection - 10/03/2026 - LAT (A)X

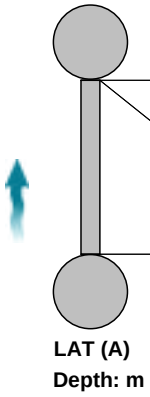
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
35	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.15 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.15 m	**Downstream Node:**	MH14
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:**	Vitrified clay
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: MH14	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.15	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:11	63.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
35	Upstream	LAT (A)X		

63.jpg, 00:00:11, 1.15 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
36	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.20 m	**Downstream Node:**	MH14
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:**	Vitrified clay
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 MH14						
	0.00	MH	Start node, manhole, reference: MH14	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	1.44	FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:00:15	250.jpg	3 / 2
	2.20	MHF	Finish node, manhole, reference: LAT (B): GULLY TRAP REACHED	00:00:21	251.jpg	
LAT (B) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	18.2	40.0	3.0	1	1.0	0.5	1.0	2.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
36	Upstream	LAT (B)X		

250.jpg, 00:00:15, 1.44 m
Fracture, circumferential from 12 o'clock to 12 o'clock

251.jpg, 00:00:21, 2.20 m
Finish node, manhole, reference: LAT (B), GULLY TRAP REACHED

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
37	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.43 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.43 m	**Downstream Node:**	MH16
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:**	Vitrified clay
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 MH16						
	0.00	MH	Start node, manhole, reference: MH16	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.28	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:10	252.jpg	2 / 2
	1.72	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:20	253.jpg	4
	1.93	LR	Line deviates right	00:00:22		
	2.43	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:25	254.jpg	
LAT (A) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	4.1	10.0	2.0	2	5.0	2.5	6.0	4.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
37	Upstream	LAT (A)X		

252.jpg, 00:00:10, 0.28 m
Crack, circumferential from 12 o'clock to 12 o'clock

253.jpg, 00:00:20, 1.72 m
Settled deposits, fine, 20% cross-sectional area loss

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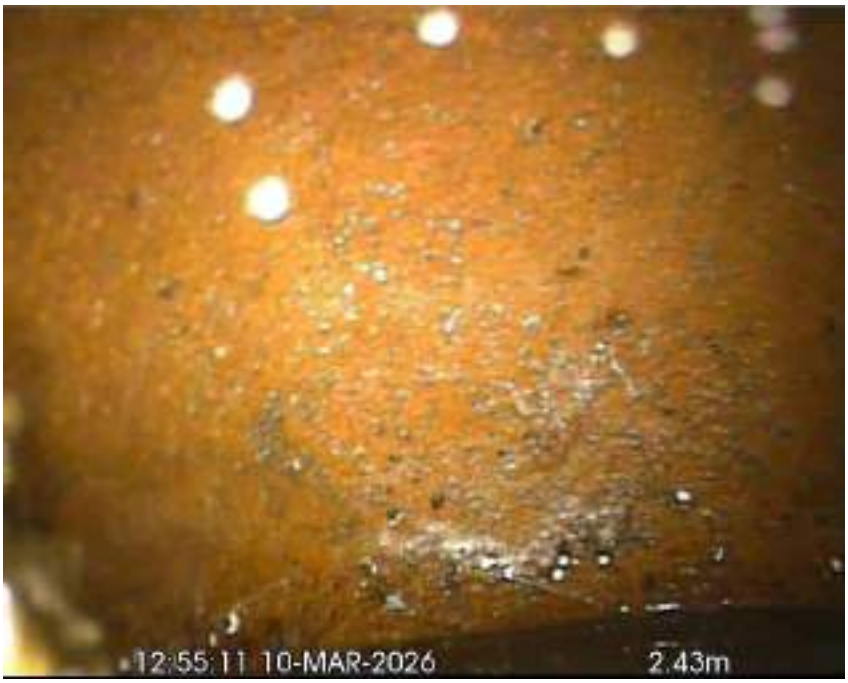
Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
37	Upstream	LAT (A)X		



254.jpg, 00:00:25, 2.43 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 10/03/2026 - MH16X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
38	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	MH16X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH16
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.50 m	**Downstream Node:**	MH17
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
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: MH16	00:00:00		
0.00	WL	Water level, 15% of the vertical dimension	00:00:02		
1.06	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 4 o'clock, 10% cross-sectional area loss	00:00:15	255.jpg	3
2.31	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:28	256.jpg	4
3.50	MHF	Finish node, manhole, reference: MH17	00:00:38	257.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	2.0	7.0	4.0

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Section Pictures - 10/03/2026 - MH16X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
38	Downstream	MH16X		

255.jpg, 00:00:15, 1.06 m
Attached deposits, encrustation at joint from 2 o'clock to 4 o'clock, 10% cross-sectional area loss

256.jpg, 00:00:28, 2.31 m
Settled deposits, fine, 20% cross-sectional area loss

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Section Pictures - 10/03/2026 - MH16X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
38	Downstream	MH16X		

257.jpg, 00:00:38, 3.50 m
Finish node, manhole, reference: MH17

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
39	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.40 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.40 m	**Downstream Node:**	MH6
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:**	Vitrified clay
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: MH6	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.40	REM	General remark: PIPE APPEARS BLABNKED OFF OR 100% BLOCKED	00:00:13	64.jpg	
0.40	MHF	Finish node, manhole, reference: LAT (A): LINE APPEARS BLANKED/REDUNDANT?	00:00:13	65.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
39	Upstream	LAT (A)X		

64.jpg, 00:00:13, 0.40 m
General remark, PIPE APPEARS BLABNKED OFF OR 100% BLOCKED

65.jpg, 00:00:13, 0.40 m
Finish node, manhole, reference: LAT (A), LINE APPEARS BLANKED/REDUNDANT?

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
40	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.46 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.46 m	**Downstream Node:**	MH6
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:**	Vitrified clay
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: MH6	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.39	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:14	66.jpg	2 / 2
2.23	JDM	Joint displaced, medium	00:00:19	67.jpg	1 / 3
2.45	LR	Line deviates right	00:00:22		
3.46	MHF	Finish node, manhole, reference: LAT (B): BEND UP TO DOWNPIPE	00:00:34	68.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	10.0	3.2	11.0	2.0	2	2.0	0.9	3.0	3.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
40	Upstream	LAT (B)X		

66.jpg, 00:00:14, 1.39 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

67.jpg, 00:00:19, 2.23 m
Joint displaced, medium

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
40	Upstream	LAT (B)X		

68.jpg, 00:00:34, 3.46 m
Finish node, manhole, reference: LAT (B), BEND UP TO DOWNPIPE

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Section Inspection - 10/03/2026 - MH6X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
41	1	10/03/26	15:30	Not Specified	No Rain Or Snow	No	MH6X

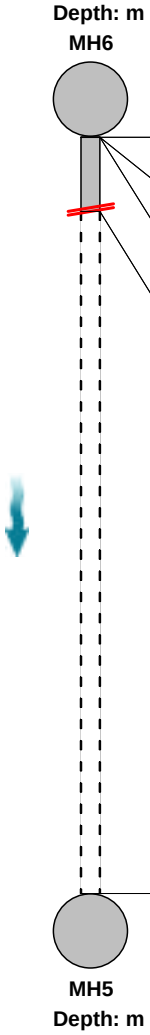
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH6
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.49 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH5
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:**	Vitrified clay
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: MH6	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:05	69.jpg	4
0.49	SA	Survey abandoned: DUE TO HEAVY SILT	00:00:18	70.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.0	5.0	4.0

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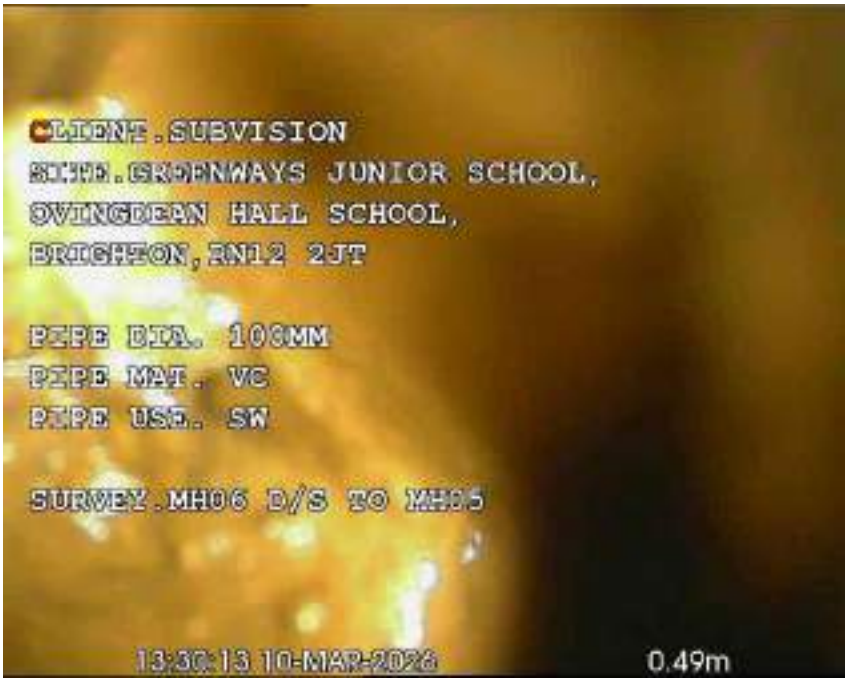
Section Pictures - 10/03/2026 - MH6X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
41	Downstream	MH6X		

69.jpg, 00:00:05, 0.00 m
Settled deposits, fine, 30% cross-sectional area loss



70.jpg, 00:00:18, 0.49 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
42	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.32 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.32 m	**Downstream Node:**	MH5
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:**	Vitrified clay
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 MH5						
	0.00	MH	Start node, manhole, reference: MH5	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.53	JDM	Joint displaced, medium	00:00:12		1 / 3
	4.43	JDM	Joint displaced, medium	00:00:37	71.jpg	1 / 3
	4.70	JDL	Joint displaced, large	00:00:41	72.jpg	1 / 4
	4.82	LL	Line deviates left	00:00:45		
	5.32	MHF	Finish node, manhole, reference: LAT (A): BEND UP TO DOWNPIPE	00:00:50	73.jpg	
LAT (A) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	2.0	0.8	4.0	1.0	3	5.0	1.7	9.0	4.0

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
42	Upstream	LAT (A)X		

71.jpg, 00:00:37, 4.43 m
Joint displaced, medium

72.jpg, 00:00:41, 4.70 m
Joint displaced, large

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Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
42	Upstream	LAT (A)X		

73.jpg, 00:00:50, 5.32 m
Finish node, manhole, reference: LAT (A), BEND UP TO DOWNPIPE

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Section Inspection - 10/03/2026 - LAT (B)X

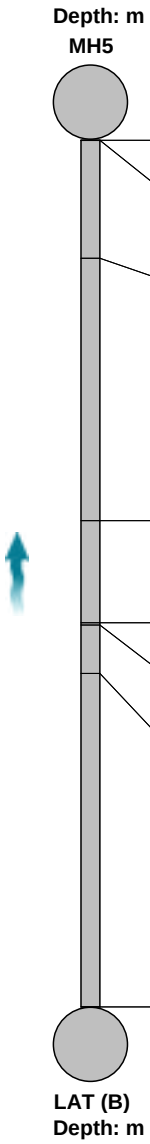
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
43	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.88 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.88 m	**Downstream Node:**	MH5
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:60 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH5	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.94	LR	Line deviates right	00:00:15		
3.02	B	Broken pipe from 10 o'clock to 2 o'clock: HOLE	00:00:33	258.jpg,259.jpg	4
3.83	FCJ	Fracture, circumferential at joint from 12 o'clock to 3 o'clock	00:00:44	260.jpg	3 / 2
3.85	LL	Line deviates left	00:00:49		
4.23	B	Broken pipe from 8 o'clock to 12 o'clock	00:00:53	261.jpg	4
6.88	MHF	Finish node, manhole, reference: LAT (B): BEND UP TO DOWNPIPE	00:01:30	262.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	29.1	200.0	4.0	1	1.0	0.1	1.0	2.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
43	Upstream	LAT (B)X		

258.jpg, 00:00:33, 3.02 m
Broken pipe from 10 o'clock to 2 o'clock, HOLE

259.jpg, 00:00:33, 3.02 m
Broken pipe from 10 o'clock to 2 o'clock, HOLE

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
43	Upstream	LAT (B)X		

260.jpg, 00:00:44, 3.83 m
Fracture, circumferential at joint from 12 o'clock to 3 o'clock

261.jpg, 00:00:53, 4.23 m
Broken pipe from 8 o'clock to 12 o'clock

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
43	Upstream	LAT (B)X		

262.jpg, 00:01:30, 6.88 m
Finish node, manhole, reference: LAT (B), BEND UP TO DOWNPIPE

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Section Inspection - 10/03/2026 - MH5X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
44	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	MH5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH5
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	15.00 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	15.00 m	**Downstream Node:**	MH4
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:130

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH5	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
7.00	JN	Junction at 9 o'clock, 100mm dia	00:00:35		
15.00	DEC	Settled deposits, hard or compacted, 50% cross-sectional area loss: HEAVY SCALE OR INCRUSTATION AT JOINT		263.jpg	4
15.00	SA	Survey abandoned: DUE TO DEBRIS/SCALE		264.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	0.5	8.0	4.0

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Section Pictures - 10/03/2026 - MH5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
44	Downstream	MH5X		

263.jpg, 15.00 m
Settled deposits, hard or compacted, 50% cross-sectional area loss, HEAVY SCALE OR INCRUSTATION AT JOINT

264.jpg, 15.00 m
Survey abandoned, DUE TO DEBRIS/SCALE

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Section Inspection - 10/03/2026 - MH5X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
45	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	MH5X

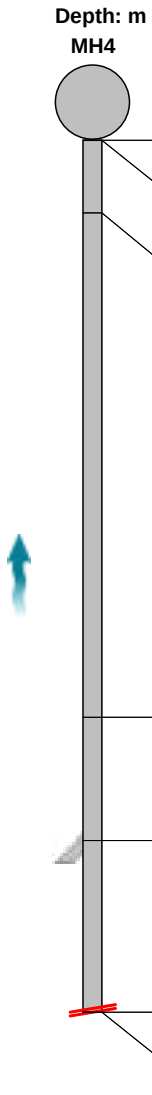
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH5
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	9.46 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.46 m	**Downstream Node:**	MH4
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: OVERLAP SURVEY
Recommendations:

Scale: 1:82



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH4: OVERLAP SURVEY	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.79	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:00:14	74.jpg	3
6.26	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	00:00:55	75.jpg	3
7.60	JN	Junction at 3 o'clock, 100mm dia	00:01:07		
9.46	DEC	Settled deposits, hard or compacted, 50% cross-sectional area loss: OVERLAP POINT REACHED	00:01:23	76.jpg	4
9.46	SA	Survey abandoned: OVERLAP SURVEY COMPLETED	00:01:23	77.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	1.3	12.0	4.0

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Section Pictures - 10/03/2026 - MH5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
45	Upstream	MH5X		

74.jpg, 00:00:14, 0.79 m
Settled deposits, coarse, 10% cross-sectional area loss

75.jpg, 00:00:55, 6.26 m
Settled deposits, hard or compacted, 10% cross-sectional area loss

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Section Pictures - 10/03/2026 - MH5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
45	Upstream	MH5X		

76.jpg, 00:01:23, 9.46 m
Settled deposits, hard or compacted, 50% cross-sectional area loss, OVERLAP POINT REACHED

77.jpg, 00:01:23, 9.46 m
Survey abandoned, OVERLAP SURVEY COMPLETED

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
46	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.79 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.79 m	**Downstream Node:**	MH4
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: MH4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
3.30	LU	Line deviates up	00:00:29		
3.79	MHF	Finish node, manhole, reference: LAT (A): DOWNPIPE REACHED		78.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
46	Upstream	LAT (A)X		

78.jpg, 3.79 m
Finish node, manhole, reference: LAT (A), DOWNPIPE REACHED

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Section Inspection - 10/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
47	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (B)X

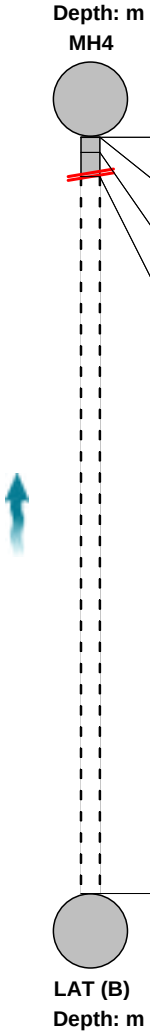
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.26 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH4
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: MH4	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	RM	Roots, mass, 70% cross-sectional area loss		79.jpg	5
0.26	SA	Survey abandoned: DUE TO MASS ROOTS.	00:00:09	80.jpg,81.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	15.0	3.0	15.0	5.0

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
47	Upstream	LAT (B)X		

79.jpg, 0.10 m
Roots, mass, 70% cross-sectional area loss

80.jpg, 00:00:09, 0.26 m
Survey abandoned, DUE TO MASS ROOTS.

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Section Pictures - 10/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
47	Upstream	LAT (B)X		

81.jpg, 00:00:09, 0.26 m
Survey abandoned, DUE TO MASS ROOTS.

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Section Inspection - 10/03/2026 - MH4X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
48	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	MH4X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH4
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	4.58 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	30.00 m	**Downstream Node:**	MH43
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:260

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH4	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
0.00	RM	Roots, mass, 30% cross-sectional area loss	00:00:11	82.jpg	5
4.50	DER	Settled deposits, coarse, 60% cross-sectional area loss: PIECES BROKEN PIPE & ROCKS ETC.	00:00:48	83.jpg	4
4.58	SA	Survey abandoned: DUE TO DEBRIS	00:00:59		
30.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	1.8	18.0	5.0

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Section Pictures - 10/03/2026 - MH4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
48	Downstream	MH4X		

82.jpg, 00:00:11, 0.00 m
Roots, mass, 30% cross-sectional area loss

83.jpg, 00:00:48, 4.50 m
Settled deposits, coarse, 60% cross-sectional area loss, PIECES BROKEN PIPE & ROCKS ETC.

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Section Inspection - 12/03/2026 - GU2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
49	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	GU2X

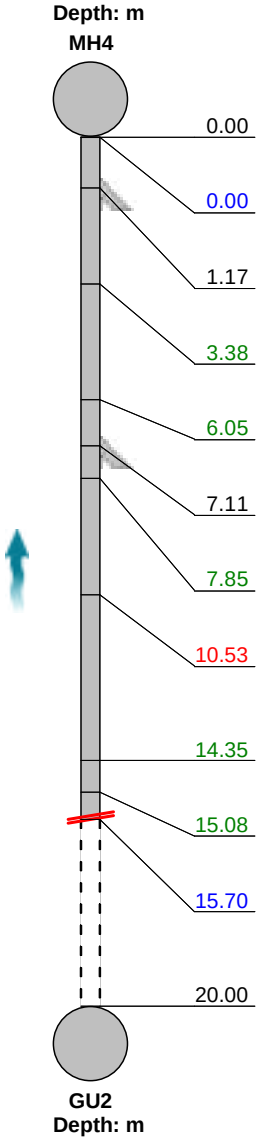
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	GU2
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	15.70 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.00 m	**Downstream Node:**	MH4
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:**	Vitrified clay
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: MH4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
1.17	JN	Junction at 9 o'clock, 100mm dia	00:00:29		
3.38	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:57	84.jpg	3
6.05	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:39	85.jpg	4
7.11	JN	Junction at 9 o'clock, 100mm dia	00:00:47		
7.85	DES	Settled deposits, fine, 40% cross-sectional area loss	00:00:51	86.jpg	4
10.53	CM	Cracks, multiple from 8 o'clock to 4 o'clock	00:01:04	87.jpg	3 / 2
14.35	RF	Roots, fine	00:01:28	88.jpg	2
15.08	RM	Roots, mass, 50% cross-sectional area loss	00:01:39	89.jpg	5
15.70	SA	Survey abandoned: DUE TO MASS ROOTS.	00:01:55	90.jpg	
20.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	2.0	40.0	3.0	6	15.0	1.5	29.0	5.0

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Section Pictures - 12/03/2026 - GU2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
49	Upstream	GU2X		

84.jpg, 00:00:57, 3.38 m
Settled deposits, fine, 10% cross-sectional area loss

85.jpg, 00:00:39, 6.05 m
Settled deposits, fine, 20% cross-sectional area loss

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Section Pictures - 12/03/2026 - GU2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
49	Upstream	GU2X		

86.jpg, 00:00:51, 7.85 m
Settled deposits, fine, 40% cross-sectional area loss

87.jpg, 00:01:04, 10.53 m
Cracks, multiple from 8 o'clock to 4 o'clock

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Section Pictures - 12/03/2026 - GU2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
49	Upstream	GU2X		

88.jpg, 00:01:28, 14.35 m
Roots, fine

89.jpg, 00:01:39, 15.08 m
Roots, mass, 50% cross-sectional area loss

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Section Pictures - 12/03/2026 - GU2X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
49	Upstream	GU2X		

90.jpg, 00:01:55, 15.70 m
Survey abandoned, DUE TO MASS ROOTS.

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Section Inspection - 10/03/2026 - MH17X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
50	1	10/03/26	15:31	Not Specified	No Rain Or Snow	No	MH17X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH17
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	9.67 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.67 m	**Downstream Node:**	MH20
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:84

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH17	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
3.19	IDJ	Infiltration, dripping at joint at 1 o'clock	00:00:19	91.jpg	
3.19	DEEJ	Attached deposits, encrustation at joint from 12 o'clock to 2 o'clock, 5% cross-sectional area loss	00:00:19		3
4.93	DEEJ	Attached deposits, encrustation at joint from 10 o'clock to 2 o'clock, 10% cross-sectional area loss	00:00:35	92.jpg	3
7.27	DEEJ	Attached deposits, encrustation at joint from 12 o'clock to 3 o'clock, 10% cross-sectional area loss	00:00:49	93.jpg	3
9.67	MHF	Finish node, manhole, reference: MH20	00:01:03	94.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.6	6.0	3.0

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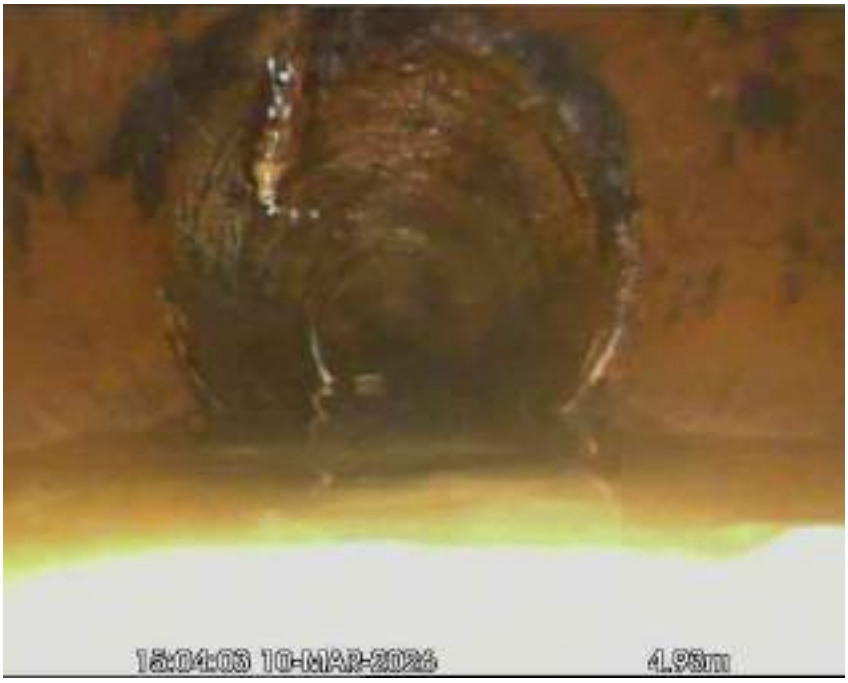
Section Pictures - 10/03/2026 - MH17X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
50	Downstream	MH17X		

91.jpg, 00:00:19, 3.19 m
Infiltration, dripping at joint at 1 o'clock



92.jpg, 00:00:35, 4.93 m
Attached deposits, encrustation at joint from 10 o'clock to 2 o'clock, 10% cross-sectional area loss

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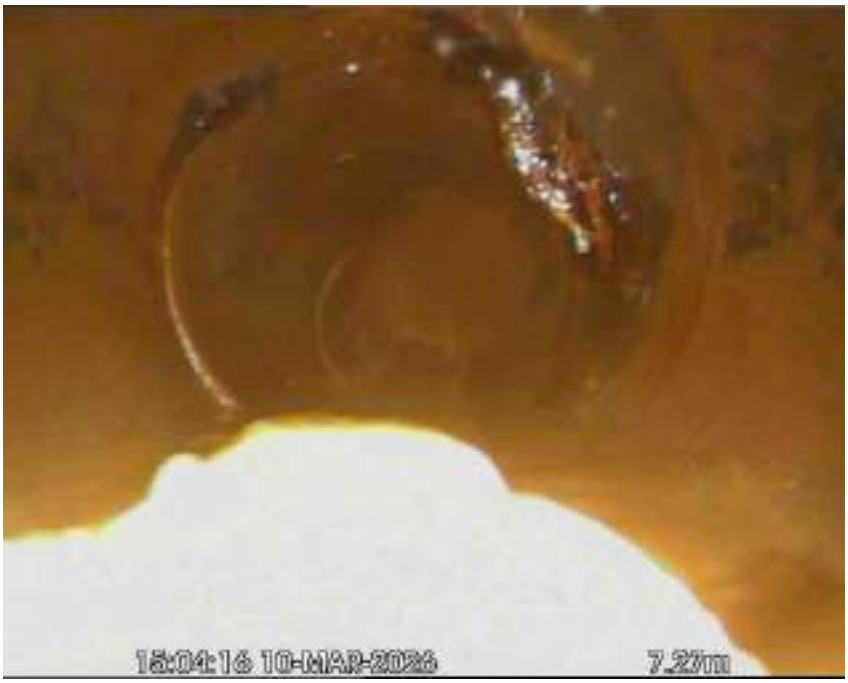
Section Pictures - 10/03/2026 - MH17X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
50	Downstream	MH17X		



93.jpg, 00:00:49, 7.27 m
Attached deposits, encrustation at joint from 12 o'clock to 3 o'clock, 10% cross-sectional area loss

94.jpg, 00:01:03, 9.67 m
Finish node, manhole, reference: MH20

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Section Inspection - 10/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
51	1	10/03/26	15:32	Not Specified	No Rain Or Snow	No	LAT (A)X

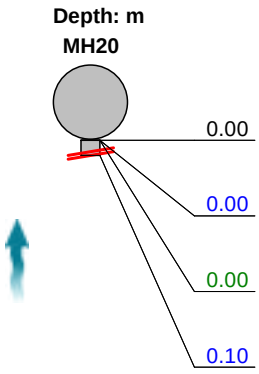
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.10 m	**Downstream Node:**	MH20
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:**	Vitrified clay
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: MH20	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.00	DES	Settled deposits, fine, 30% cross-sectional area loss		95.jpg	4
0.10	SA	Survey abandoned: DUE TO HEAVY SILT	00:00:06	96.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	50.0	5.0	5.0

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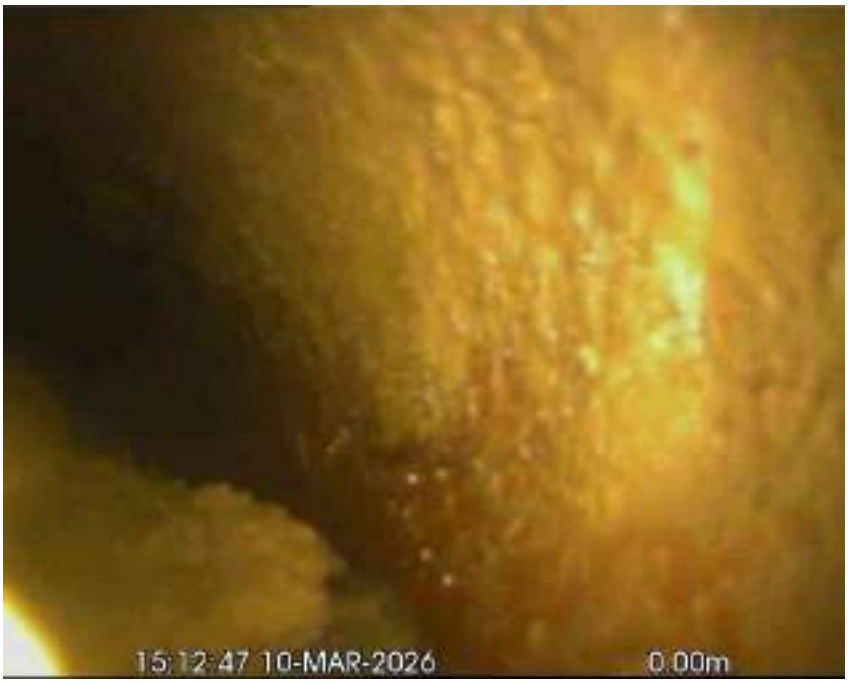
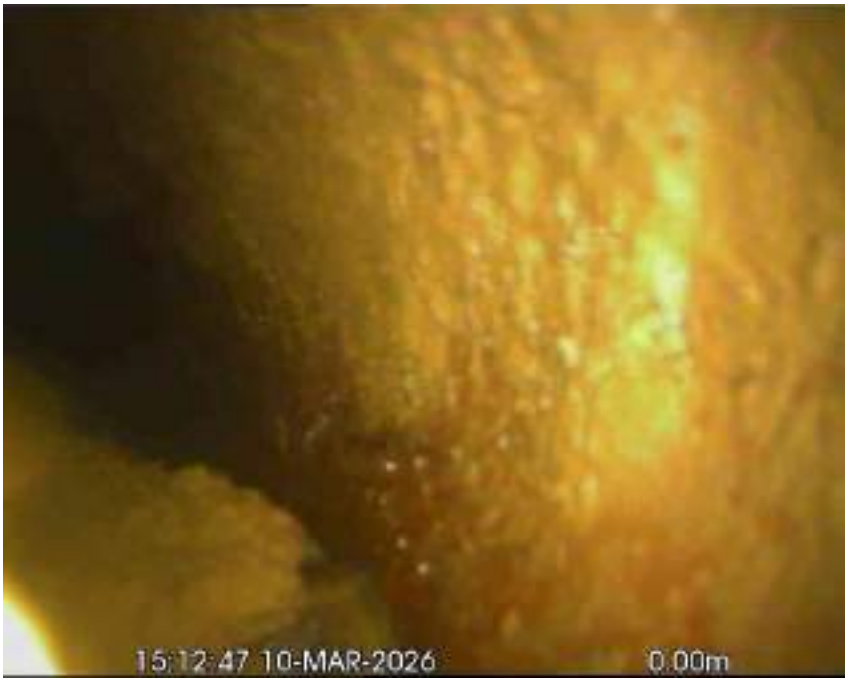
Section Pictures - 10/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
51	Upstream	LAT (A)X		



95.jpg, 0.00 m
Settled deposits, fine, 30% cross-sectional area loss



96.jpg, 00:00:06, 0.10 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
52	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH23
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:**	Vitrified clay
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: MH23	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:08		
0.10	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:08	97.jpg	4
0.20	SA	Survey abandoned: DUE TO SILT BLOCKING VISION	00:00:17	98.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.0	5.0	4.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
52	Upstream	LAT (A)X		

97.jpg, 00:00:08, 0.10 m
Settled deposits, fine, 30% cross-sectional area loss

98.jpg, 00:00:17, 0.20 m
Survey abandoned, DUE TO SILT BLOCKING VISION

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
53	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	8.13 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	10.00 m	**Downstream Node:**	MH23
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:87 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH23	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:20		4
5.74	OBZ	Other obstacles from 12 o'clock to 12 o'clock, 70% cross-sectional area loss: BALL IN LINE	00:00:41	99.jpg	5
8.10	DES	Settled deposits, fine, 50% cross-sectional area loss	00:01:09	100.jpg	4
8.13	SA	Survey abandoned: DUE TO SILT & OBSTRUCTION	00:01:13	101.jpg	
10.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	10.0	2.3	23.0	5.0

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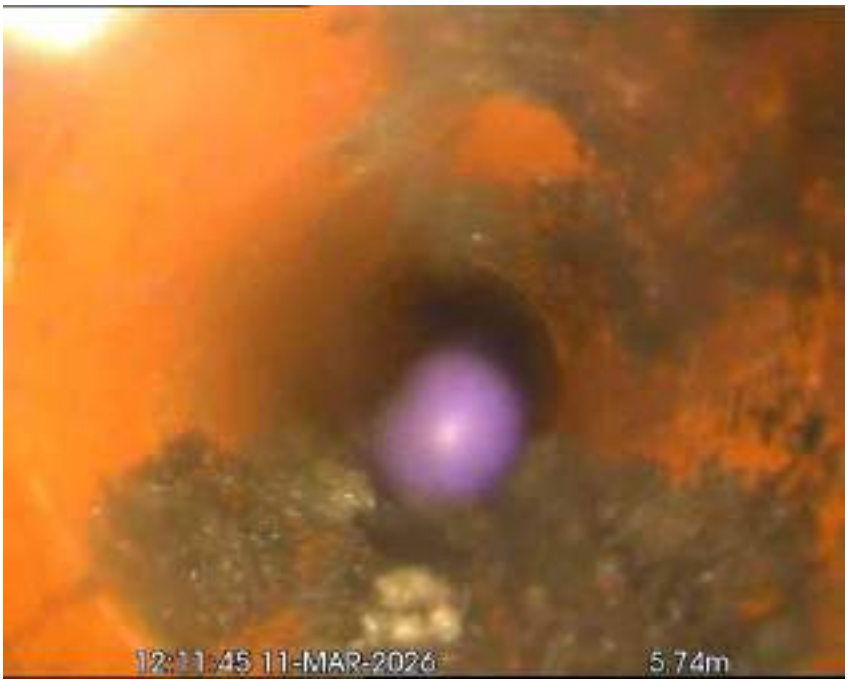
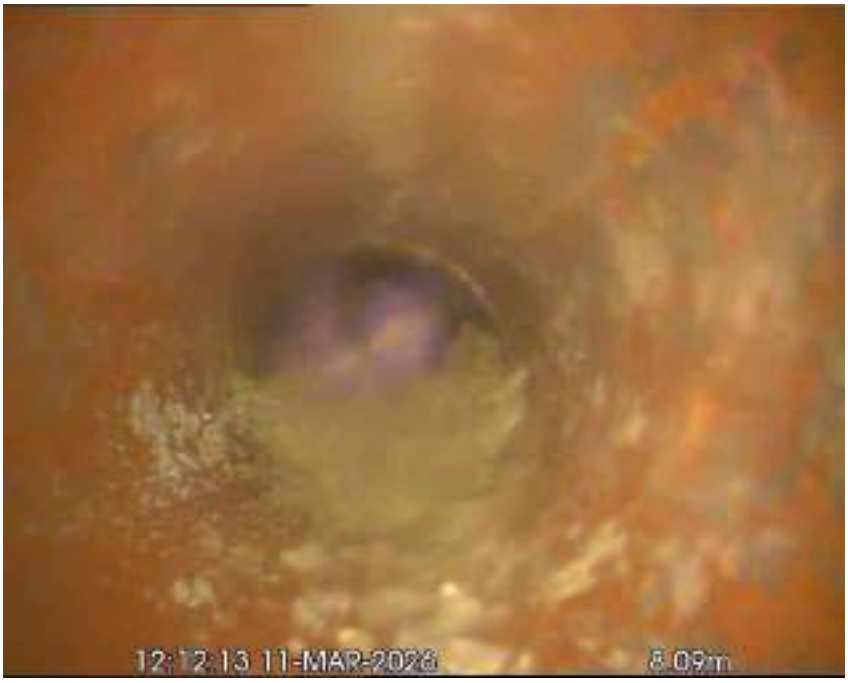
Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
53	Upstream	LAT (B)X		



99.jpg, 00:00:41, 5.74 m
Other obstacles from 12 o'clock to 12 o'clock, 70% cross-sectional area loss, BALL IN LINE



100.jpg, 00:01:09, 8.10 m
Settled deposits, fine, 50% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
53	Upstream	LAT (B)X		

101.jpg, 00:01:13, 8.13 m
Survey abandoned, DUE TO SILT & OBSTRUCTION

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Section Inspection - 12/03/2026 - MH23X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
54	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	MH23X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH23
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.72 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.72 m	**Downstream Node:**	MH22
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:59

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH23	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
6.72	MHF	Finish node, manhole, reference: MH22	00:00:49	102.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH23X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
54	Downstream	MH23X		

102.jpg, 00:00:49, 6.72 m
Finish node, manhole, reference: MH22

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
55	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.49 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.49 m	**Downstream Node:**	MH18
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:**	Vitrified clay
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 MH18						
	0.00	MH	Start node, manhole, reference: MH18	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension: RUNNING			
	1.96	LU	Line deviates up	00:00:24		
	2.49	MHF	Finish node, manhole, reference: LAT (A): DOWNPIPE REACHED		103.jpg	
LAT (A) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
55	Upstream	LAT (A)X		

103.jpg, 2.49 m
Finish node, manhole, reference: LAT (A), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

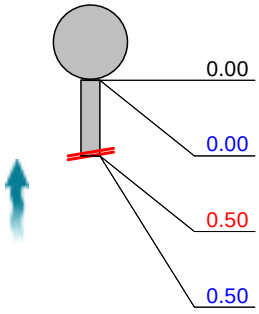
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
56	1	12/03/26	15:28	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.50 m	**Downstream Node:**	MH18
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:**	Vitrified clay
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: MH18	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.50	XP	Collapsed drain or sewer, 100% cross-sectional area loss: LINE APPEARS REDUNDANT?	00:00:12	104.jpg	5
0.50	SA	Survey abandoned: DUE TO COLLAPSED PIPE	00:00:15	105.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	0	0.0	0.0	0.0	1.0

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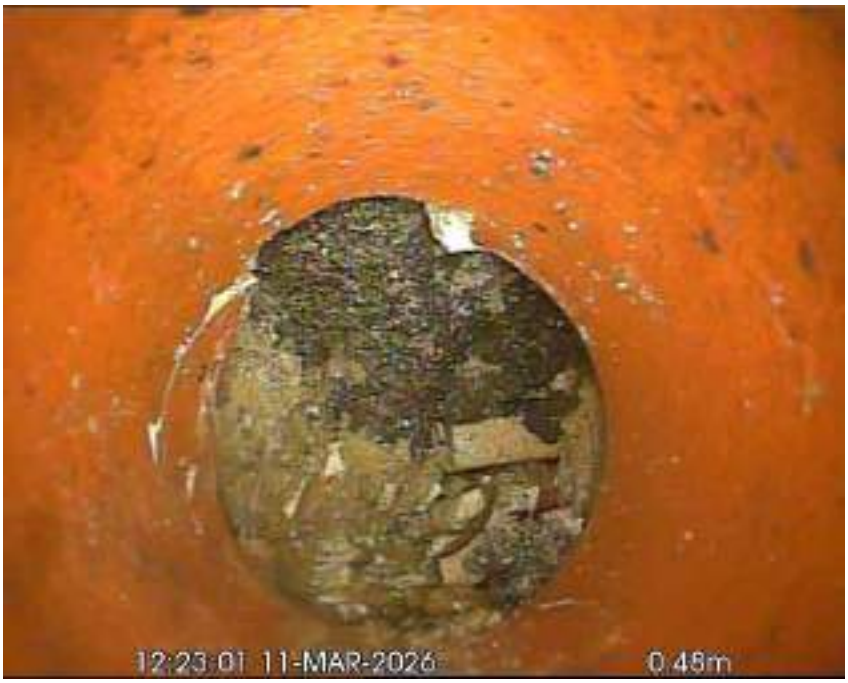
Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
56	Upstream	LAT (B)X		



104.jpg, 00:00:12, 0.50 m
Collapsed drain or sewer, 100% cross-sectional area loss, LINE APPEARS REDUNDANT?

105.jpg, 00:00:15, 0.50 m
Survey abandoned, DUE TO COLLAPSED PIPE

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Section Inspection - 12/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
57	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (C)X

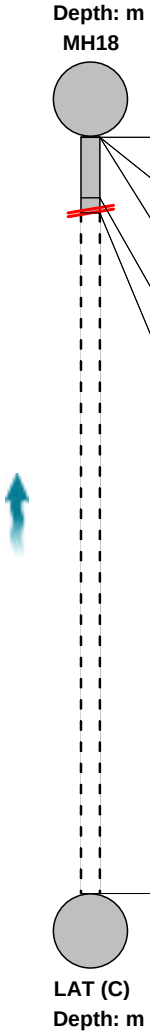
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.50 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH18
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:**	Vitrified clay
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: MH18	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.00	DES	Settled deposits, fine, 25% cross-sectional area loss		106.jpg	4
0.40	LL	Line deviates left	00:00:08		
0.50	SA	Survey abandoned: DUE TO DEBRIS	00:00:17	107.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.0	5.0	4.0

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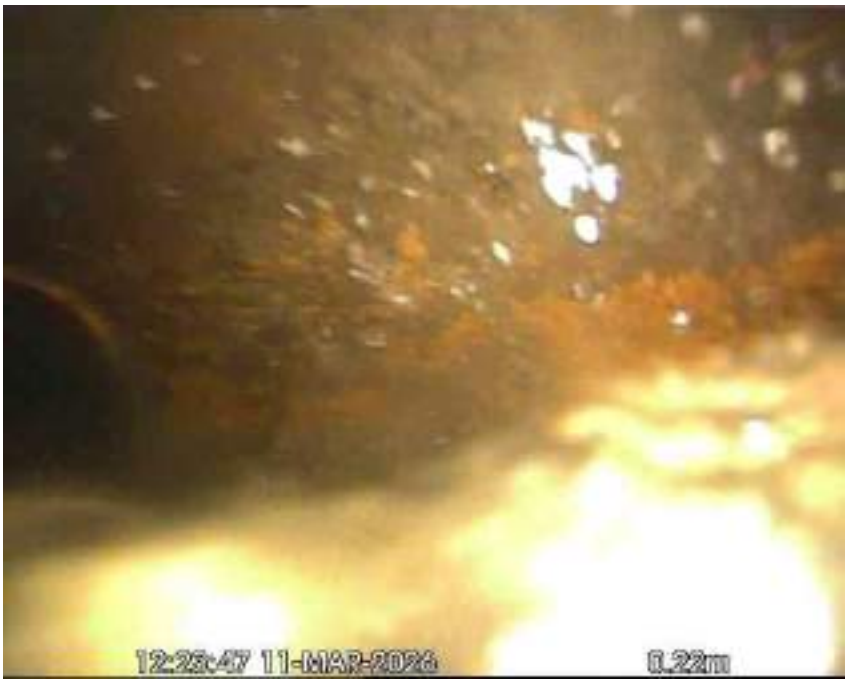
Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
57	Upstream	LAT (C)X		



106.jpg, 0.00 m
Settled deposits, fine, 25% cross-sectional area loss

107.jpg, 00:00:17, 0.50 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 12/03/2026 - MH18X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
58	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	MH18X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH18
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	10.92 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	10.92 m	**Downstream Node:**	MH23
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:95

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH18	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
10.36	LR	Line deviates right	00:01:11		
10.92	MHF	Finish node, manhole, reference: MH23	00:01:15	265.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH18X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
58	Downstream	MH18X		

265.jpg, 00:01:15, 10.92 m
Finish node, manhole, reference: MH23

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
59	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.00 m	**Downstream Node:**	MH22
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:**	Vitrified clay
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 MH22					
0.00	MH	Start node, manhole, reference: MH22	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:04	108.jpg	4
0.20	SA	Survey abandoned: DUE TO SILT/SLUDGE BLOCKING VISION	00:00:13	109.jpg	
4.00		End of pipe			
LAT (A) Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.3	5.0	4.0

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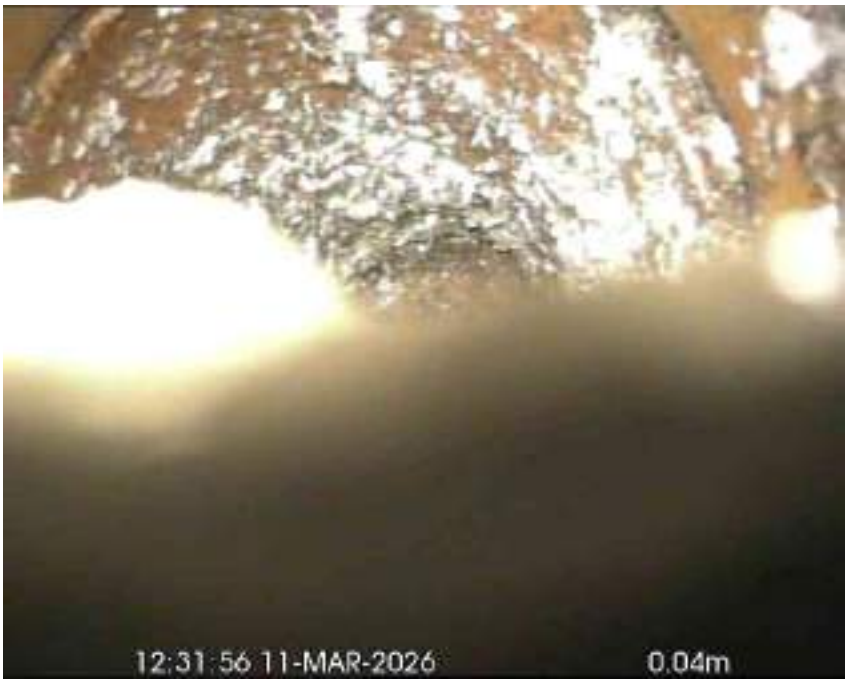
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
59	Upstream	LAT (A)X		



108.jpg, 00:00:04, 0.00 m
Settled deposits, fine, 30% cross-sectional area loss

109.jpg, 00:00:13, 0.20 m
Survey abandoned, DUE TO SILT/SLUDGE BLOCKING VISION

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Section Inspection - 12/03/2026 - MH22X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
60	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	MH22X

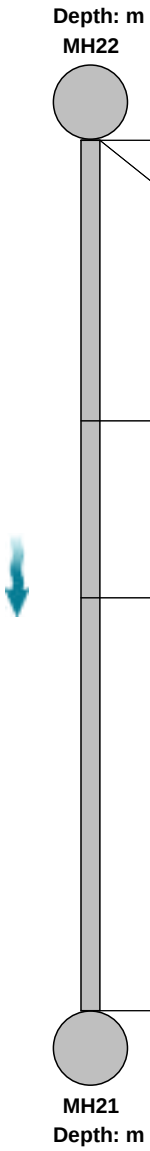
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH22
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	8.87 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.87 m	**Downstream Node:**	MH21
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:77



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH22	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
2.86	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock	00:00:25	110.jpg	
4.66	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock	00:00:43		
8.87	MHF	Finish node, manhole, reference: MH21	00:01:12	111.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH22X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
60	Downstream	MH22X		

110.jpg, 00:00:25, 2.86 m
Point repair, localised lining from 12 o'clock to 12 o'clock

111.jpg, 00:01:12, 8.87 m
Finish node, manhole, reference: MH21

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Section Inspection - 12/03/2026 - MH21X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
61	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	MH21X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH21
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.62 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.62 m	**Downstream Node:**	MAIN LINE
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:**	Cast iron
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 MH21						
	0.00	MH	Start node, manhole, reference: MH21	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension			
	1.20	LD	Line deviates down	00:00:13		
	2.62	MHF	Finish node, manhole, reference: MAIN LINE		112.jpg,113.jpg	
MAIN LINE Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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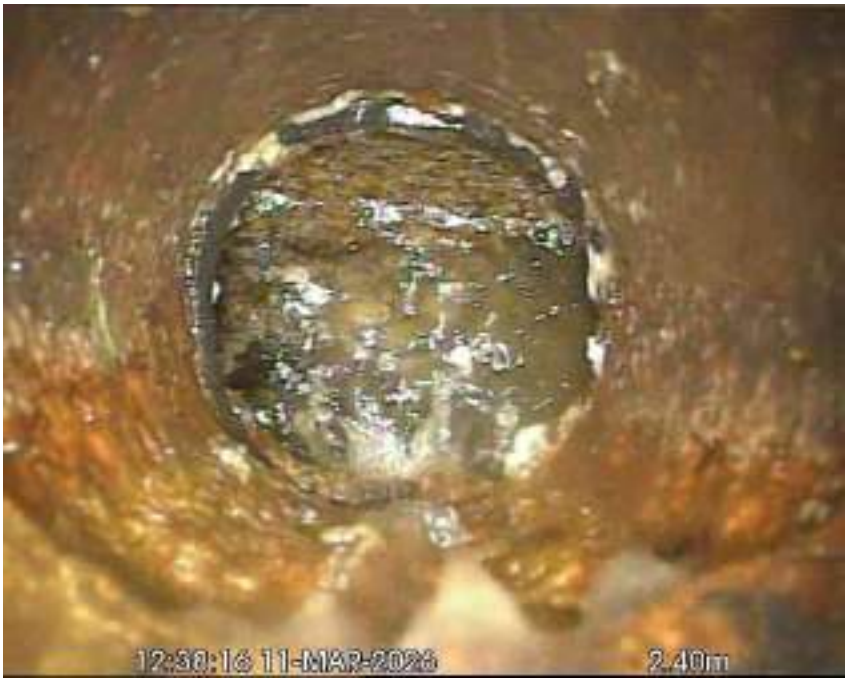
Section Pictures - 12/03/2026 - MH21X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
61	Downstream	MH21X		

112.jpg, 2.62 m
Finish node, manhole, reference: MAIN LINE



113.jpg, 2.62 m
Finish node, manhole, reference: MAIN LINE

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Section Inspection - 12/03/2026 - LAT (A)X

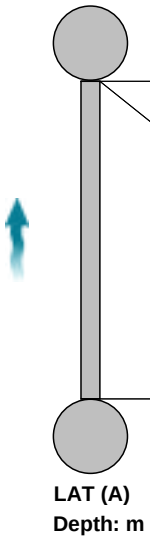
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
62	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.10 m	**Downstream Node:**	MH21
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:**	Vitrified clay
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: MH21	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
2.10	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:21	114.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
62	Upstream	LAT (A)X		

114.jpg, 00:00:21, 2.10 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
63	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.76 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.76 m	**Downstream Node:**	MH21
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:**	Vitrified clay
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 MH21					
0.00	MH	Start node, manhole, reference: MH21	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
2.19	CCJ	Crack, circumferential at joint from 9 o'clock to 12 o'clock	00:00:25	115.jpg	2 / 2
2.72	LU	Line deviates up	00:00:33		
2.76	MHF	Finish node, manhole, reference: LAT (B): DOWNPIPE REACHED	00:00:37	116.jpg	
LAT (B) Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	3.6	10.0	2.0	1	1.0	0.4	1.0	2.0

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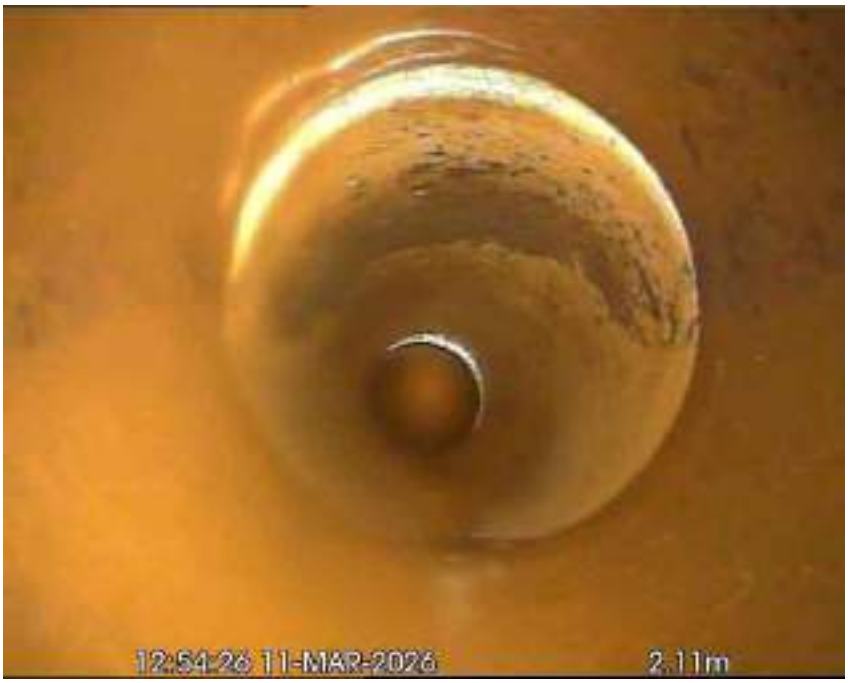
Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
63	Upstream	LAT (B)X		



115.jpg, 00:00:25, 2.19 m
Crack, circumferential at joint from 9 o'clock to 12 o'clock

116.jpg, 00:00:37, 2.76 m
Finish node, manhole, reference: LAT (B), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (C)X

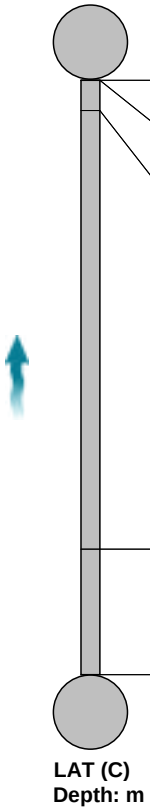
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
64	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.93 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.93 m	**Downstream Node:**	MH21
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:**	Vitrified clay
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: MH21	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	LR	Line deviates right	00:00:07		
3.10	LU	Line deviates up	00:00:30		
3.93	MHF	Finish node, manhole, reference: LAT (C): DOWNPIPE REACHED	00:00:39	117.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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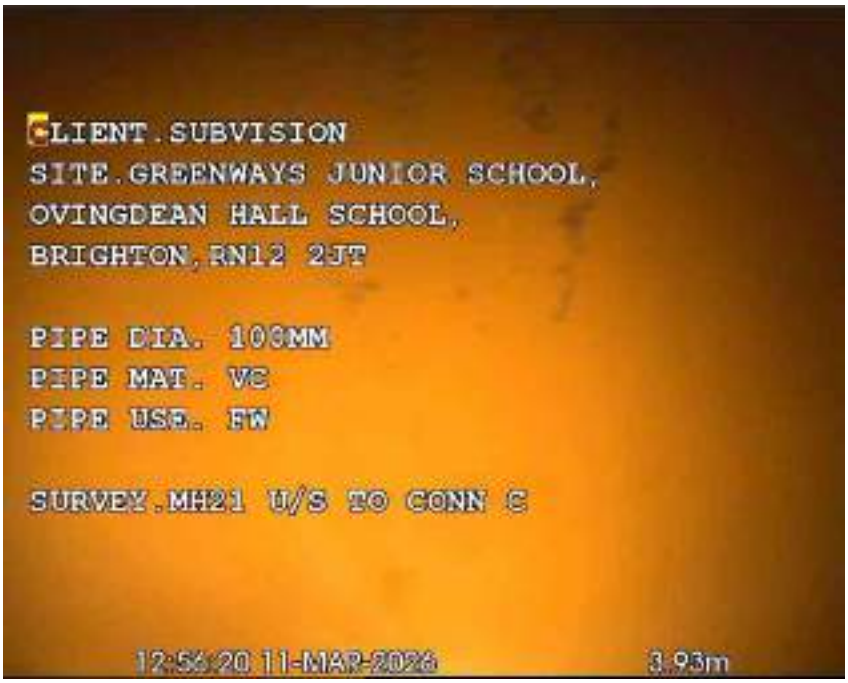
Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
64	Upstream	LAT (C)X		



117.jpg, 00:00:39, 3.93 m
Finish node, manhole, reference: LAT (C), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
65	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.16 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.16 m	**Downstream Node:**	MH33
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:**	Vitrified clay
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: MH33	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.23	MCCI	Pipe material changes to cast iron at this point	00:00:15	118.jpg	
4.86	LU	Line deviates up	00:00:37		
5.16	MHF	Finish node, manhole, reference: LAT (A): STACK REACHED	00:00:43	119.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
65	Upstream	LAT (A)X		

118.jpg, 00:00:15, 1.23 m
Pipe material changes to cast iron at this point

119.jpg, 00:00:43, 5.16 m
Finish node, manhole, reference: LAT (A), STACK REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
66	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.45 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.45 m	**Downstream Node:**	MH33
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:**	Vitrified clay
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: MH33	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 10% cross-sectional area loss		120.jpg	3
0.57	MCCI	Pipe material changes to cast iron at this point	00:00:09	121.jpg	
4.86	LU	Line deviates up	00:00:30		
5.45	MHF	Finish node, manhole, reference: LAT (B): DOWNPIPE REACHED	00:00:35	122.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.4	2.0	3.0

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
66	Upstream	LAT (B)X		

120.jpg, 0.10 m
Settled deposits, fine, 10% cross-sectional area loss

121.jpg, 00:00:09, 0.57 m
Pipe material changes to cast iron at this point

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
66	Upstream	LAT (B)X		

122.jpg, 00:00:35, 5.45 m
Finish node, manhole, reference: LAT (B), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
67	1	12/03/26	15:29	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.84 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.84 m	**Downstream Node:**	MH33
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:51

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH33	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.92	MCCI	Pipe material changes to cast iron at this point	00:00:19		
5.52	LU	Line deviates up	00:00:41		
5.84	MHF	Finish node, manhole, reference: LAT (C): DOWNPIPE REACHED	00:00:43	123.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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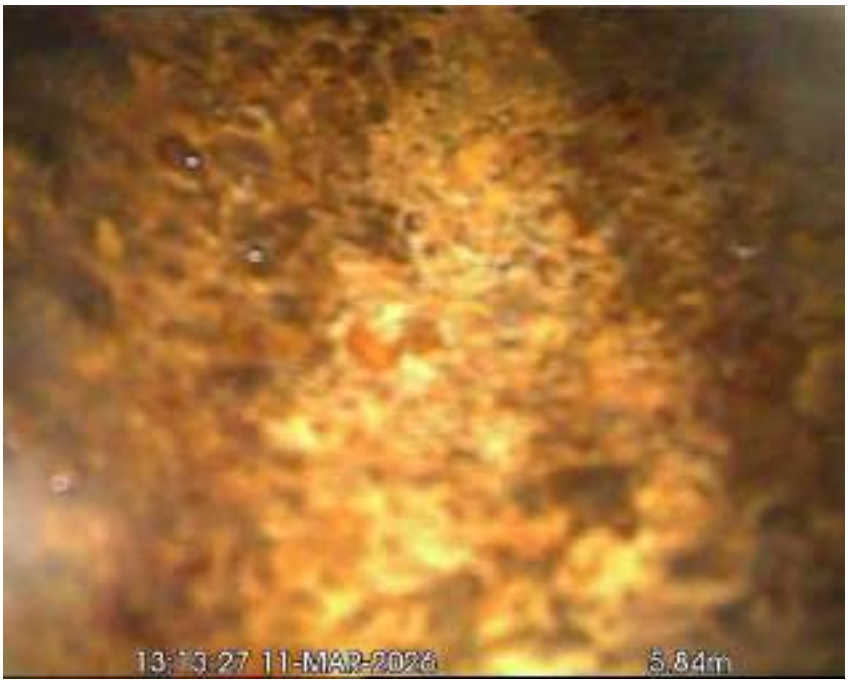
Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
67	Upstream	LAT (C)X		



123.jpg, 00:00:43, 5.84 m
Finish node, manhole, reference: LAT (C), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (D)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
68	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (D)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (D)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.08 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.08 m	**Downstream Node:**	MH33
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
Depth: m							
MH33							
	0.00		MH	Start node, manhole, reference: MH33	00:00:00		
	0.00		WL	Water level, 0% of the vertical dimension			
	0.00	S01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, start: SCALE ALONG INVERT	00:00:07	124.jpg	
	1.76		LU	Line deviates up	00:00:38		
	2.07	F01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish: SCALE ALONG INVERT	00:00:37		3
LAT (D)	2.08		MHF	Finish node, manhole, reference: LAT (D): DOWNPIPE REACHED	00:00:37	125.jpg	
Depth: m							

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	2.9	6.0	4.0

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Section Pictures - 12/03/2026 - LAT (D)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
68	Upstream	LAT (D)X		

124.jpg, 00:00:07, 0.00 m
Settled deposits, hard or compacted, 10% cross-sectional area loss, start, SCALE ALONG INVERT

125.jpg, 00:00:37, 2.08 m
Finish node, manhole, reference: LAT (D), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (E)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
69	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (E)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (E)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.00 m	**Downstream Node:**	MH33
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:**	Cast iron
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: MH33	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 50% cross-sectional area loss		266.jpg	4
0.20	SA	Survey abandoned: DUE TO DEBRIS	00:00:13	267.jpg	
4.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	2.0	8.0	4.0

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Section Pictures - 12/03/2026 - LAT (E)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
69	Upstream	LAT (E)X		

266.jpg, 0.10 m
Settled deposits, fine, 50% cross-sectional area loss

267.jpg, 00:00:13, 0.20 m
Survey abandoned, DUE TO DEBRIS

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Section Inspection - 12/03/2026 - MH33X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
70	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	MH33X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH33
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.04 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.04 m	**Downstream Node:**	MH31
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:**	Vitrified clay
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 MH33					
0.00	MH	Start node, manhole, reference: MH33	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.00	DES	Settled deposits, fine, 10% cross-sectional area loss		268.jpg	3
5.04	MHF	Finish node, manhole, reference: MH31	00:00:36	269.jpg	
MH31 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.4	2.0	3.0

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Section Pictures - 12/03/2026 - MH33X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
70	Downstream	MH33X		

268.jpg, 0.00 m
Settled deposits, fine, 10% cross-sectional area loss

269.jpg, 00:00:36, 5.04 m
Finish node, manhole, reference: MH31

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Section Inspection - 12/03/2026 - MH31X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
71	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	MH31X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH31
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.13 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.13 m	**Downstream Node:**	MH26
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:**	Vitrified clay
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 MH31						
	0.00	MH	Start node, manhole, reference: MH31	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	3.13	MHF	Finish node, manhole, reference: MH26	00:00:27	126.jpg	
MH26 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH31X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
71	Downstream	MH31X		

126.jpg, 00:00:27, 3.13 m
Finish node, manhole, reference: MH26

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Section Inspection - 12/03/2026 - LAT (A)X

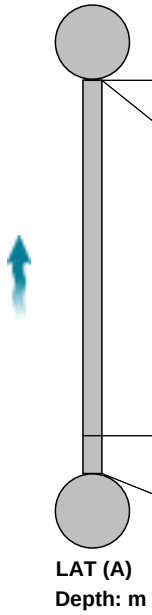
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
72	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.60 m	**Downstream Node:**	MH32
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:**	Vitrified clay
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: MH32	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
2.35	JDM	Joint displaced, medium	00:00:19	270.jpg	1 / 3
2.60	MHF	Finish node, manhole, reference: LAT (A): RWP REACHED	00:00:23	271.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.4	1.0	1.0	1	2.0	0.8	2.0	3.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
72	Upstream	LAT (A)X		

270.jpg, 00:00:19, 2.35 m
Joint displaced, medium

271.jpg, 00:00:23, 2.60 m
Finish node, manhole, reference: LAT (A), RWP REACHED

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Section Inspection - 12/03/2026 - MH32X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
73	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	MH32X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH32
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH24
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:**	Vitrified clay
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: MH24	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 60% cross-sectional area loss		127.jpg	4
0.10	SA	Survey abandoned: DUE TO HEAVY SILT	00:00:14	128.jpg	
5.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	1.6	8.0	4.0

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Section Pictures - 12/03/2026 - MH32X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
73	Downstream	MH32X		

127.jpg, 0.00 m
Settled deposits, fine, 60% cross-sectional area loss

128.jpg, 00:00:14, 0.10 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 12/03/2026 - LAT (A)X

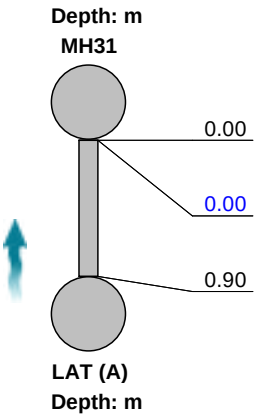
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
74	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.90 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.90 m	**Downstream Node:**	MH31
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:**	Vitrified clay
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: MH31	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.90	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:19	129.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
74	Upstream	LAT (A)X		

129.jpg, 00:00:19, 0.90 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

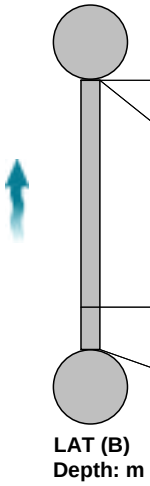
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
75	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.78 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.78 m	**Downstream Node:**	MH31
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:**	Vitrified clay
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: MH31	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.50	LR	Line deviates right	00:00:13		
1.78	MHF	Finish node, manhole, reference: LAT (B): GULLY TRAP REACHED	00:00:16	130.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
75	Upstream	LAT (B)X		

130.jpg, 00:00:16, 1.78 m
Finish node, manhole, reference: LAT (B), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (A)X

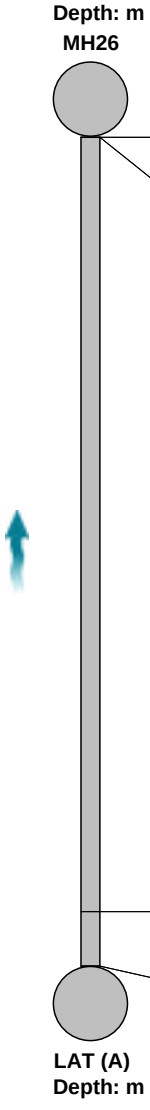
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
76	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.48 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.48 m	**Downstream Node:**	MH26
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:**	Cast iron
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: MH26	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
5.12	LU	Line deviates up	00:00:38		
5.48	MHF	Finish node, manhole, reference: LAT (A): DOWNPIPE REACHED		131.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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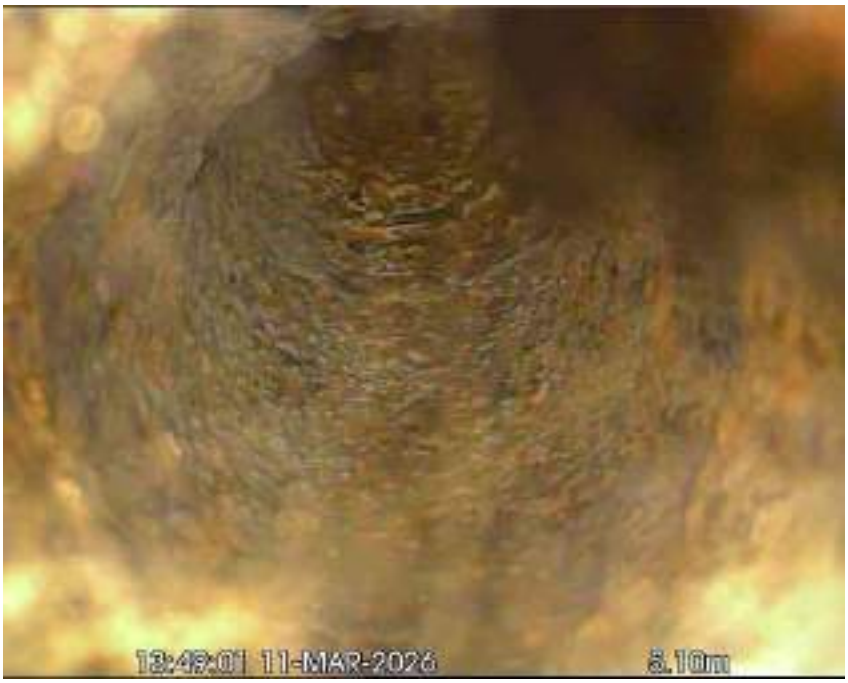
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
76	Upstream	LAT (A)X		



131.jpg, 5.48 m
Finish node, manhole, reference: LAT (A), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
77	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.97 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.97 m	**Downstream Node:**	MH26
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
Depth: m						
MH26						
	0.00	MH	Start node, manhole, reference: MH26	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	1.97	MHF	Finish node, manhole, reference: LAT (B): GULLY TRAP REACHED	00:00:14	132.jpg	
LAT (B)						
Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
77	Upstream	LAT (B)X		

132.jpg, 00:00:14, 1.97 m
Finish node, manhole, reference: LAT (B), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
78	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.20 m	**Downstream Node:**	MH26
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:**	Cast iron
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: MH26	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
4.84	LU	Line deviates up	00:00:33		
5.20	MHF	Finish node, manhole, reference: LAT (C): DOWNPIPE REACHED	00:00:33	133.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
78	Upstream	LAT (C)X		

133.jpg, 00:00:33, 5.20 m
Finish node, manhole, reference: LAT (C), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (D)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
79	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (D)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (D)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.02 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.02 m	**Downstream Node:**	MH26
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:**	Vitrified clay
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 MH26						
	0.00	MH	Start node, manhole, reference: MH26	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.77	MCCI	Pipe material changes to cast iron at this point	00:00:21	134.jpg	
	4.74	LU	Line deviates up	00:00:50		
	5.02	MHF	Finish node, manhole, reference: LAT (D): DOWNPIPE REACHED	00:00:50	135.jpg	
LAT (D) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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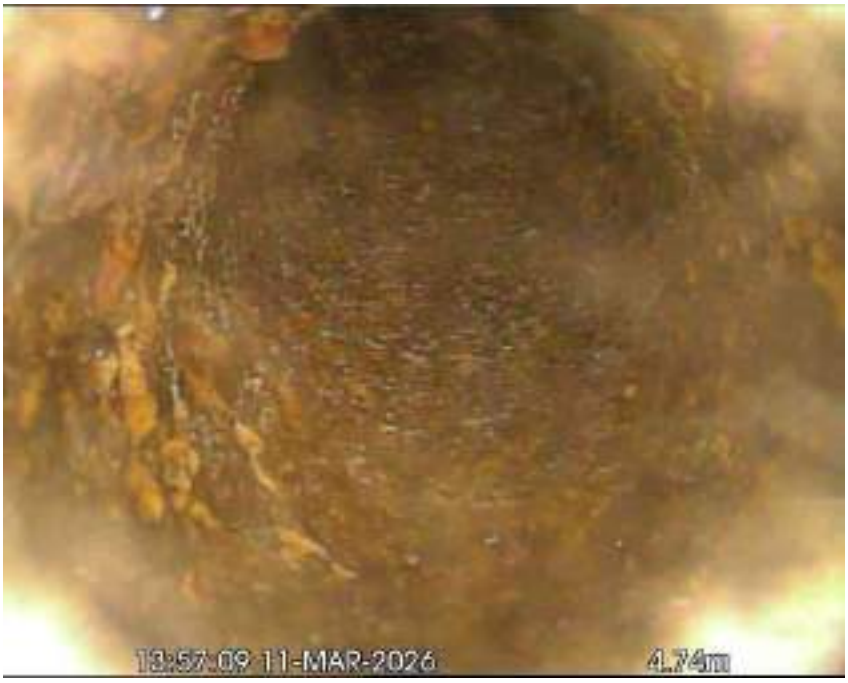
Section Pictures - 12/03/2026 - LAT (D)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
79	Upstream	LAT (D)X		

134.jpg, 00:00:21, 0.77 m
Pipe material changes to cast iron at this point



135.jpg, 00:00:50, 5.02 m
Finish node, manhole, reference: LAT (D), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (E)X

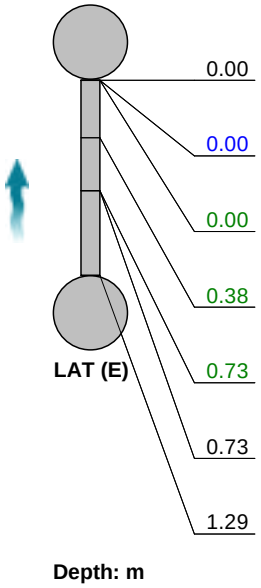
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
80	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	LAT (E)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (E)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.29 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.29 m	**Downstream Node:**	MH26
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:**	Vitrified clay
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: MH26	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss: SCALE ALONG INVERT		136.jpg	3
0.38	LU	Line deviates up	00:00:19		
0.73	DEC	Settled deposits, hard or compacted, 30% cross-sectional area loss	00:00:23	137.jpg	4
0.73	MCCI	Pipe material changes to cast iron at this point	00:00:23		
1.29	MHF	Finish node, manhole, reference: LAT (E): GULLY TRAP REACHED (HEAVILY SCALED)	00:00:29	138.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	5.4	7.0	5.0

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Section Pictures - 12/03/2026 - LAT (E)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
80	Upstream	LAT (E)X		

136.jpg, 0.00 m
Settled deposits, hard or compacted, 10% cross-sectional area loss, SCALE ALONG INVERT

137.jpg, 00:00:23, 0.73 m
Settled deposits, hard or compacted, 30% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (E)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
80	Upstream	LAT (E)X		

138.jpg, 00:00:29, 1.29 m
Finish node, manhole, reference: LAT (E), GULLY TRAP REACHED (HEAVILY SCALED)

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Section Inspection - 12/03/2026 - MH26X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
81	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	MH26X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH26
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	4.01 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.01 m	**Downstream Node:**	MH25
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:**	Vitrified clay
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 **MH26**					
0.00	MH	Start node, manhole, reference: MH26	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
2.55	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:19	139.jpg	2 / 2
4.01	MHF	Finish node, manhole, reference: MH25	00:00:27	140.jpg	
MH25 **Depth: m**					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	2.5	10.0	2.0	1	1.0	0.2	1.0	2.0

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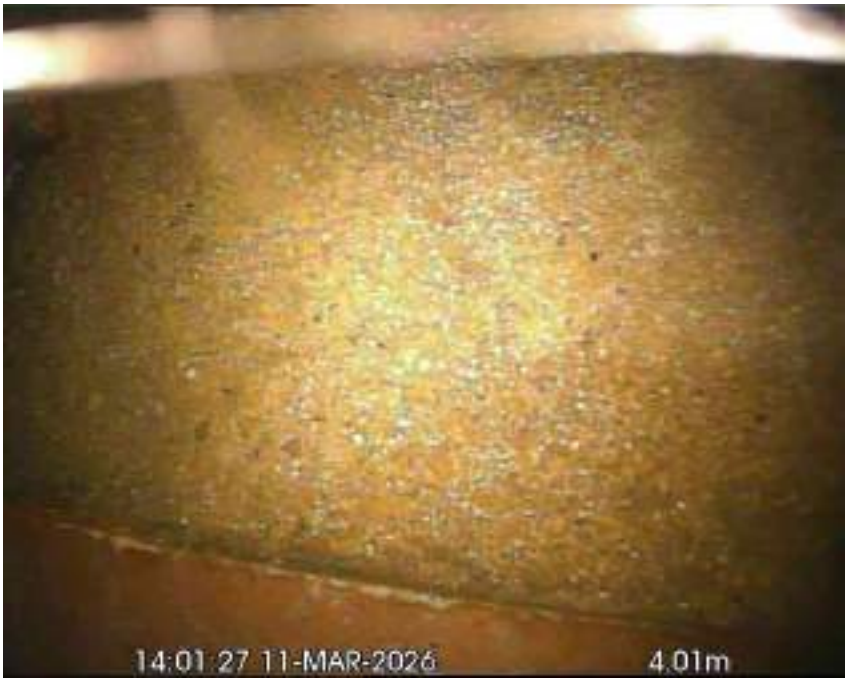
Section Pictures - 12/03/2026 - MH26X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
81	Downstream	MH26X		

139.jpg, 00:00:19, 2.55 m
Crack, circumferential from 12 o'clock to 12 o'clock



140.jpg, 00:00:27, 4.01 m
Finish node, manhole, reference: MH25

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Section Inspection - 12/03/2026 - MH32X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
82	1	12/03/26	15:30	Not Specified	No Rain Or Snow	No	MH32X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH32
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.21 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.00 m	**Downstream Node:**	MH24
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: OVERLAP SURVEY
Recommendations:

Scale: 1:70

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH24: OVERLAP SURVEY	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	JDL	Joint displaced, large: PIPE SERVERLY DROPPED		141.jpg	1 / 4
0.21	SA	Survey abandoned: DUE TO DROPPED JOINT	00:00:10	142.jpg	
8.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	0.3	2.0	1.0	1	5.0	0.6	5.0	4.0

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Section Pictures - 12/03/2026 - MH32X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
82	Upstream	MH32X		

141.jpg, 0.20 m
Joint displaced, large, PIPE SERVERLY DROPPED

142.jpg, 00:00:10, 0.21 m
Survey abandoned, DUE TO DROPPED JOINT

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Section Inspection - 12/03/2026 - MH19X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
83	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	MH19X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH19
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.87 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	15.00 m	**Downstream Node:**	MH24
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:130

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH24	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.35	DES	Settled deposits, fine, 40% cross-sectional area loss	00:00:17	143.jpg	4
0.87	SA	Survey abandoned: DUE TO HEAVY SILT	00:00:30	144.jpg	
15.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	0.6	5.0	4.0

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Section Pictures - 12/03/2026 - MH19X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
83	Upstream	MH19X		

143.jpg, 00:00:17, 0.35 m
Settled deposits, fine, 40% cross-sectional area loss

144.jpg, 00:00:30, 0.87 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
84	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.43 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.43 m	**Downstream Node:**	MH24
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:**	Vitrified clay
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 MH24						
	0.00	MH	Start node, manhole, reference: MH24	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.20	JDM	Joint displaced, medium	00:00:05	272.jpg	1 / 3
	0.49	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:12		3
	0.49	JDM	Joint displaced, medium	00:00:12	273.jpg	1 / 3
	3.10	LU	Line deviates up	00:00:30		
	3.43	MHF	Finish node, manhole, reference: LAT (A): RWP REACHED	00:00:39	274.jpg	
LAT (A) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	1.0	0.6	2.0	1.0	3	4.0	1.7	6.0	3.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
84	Upstream	LAT (A)X		

272.jpg, 00:00:05, 0.20 m
Joint displaced, medium

273.jpg, 00:00:12, 0.49 m
Joint displaced, medium

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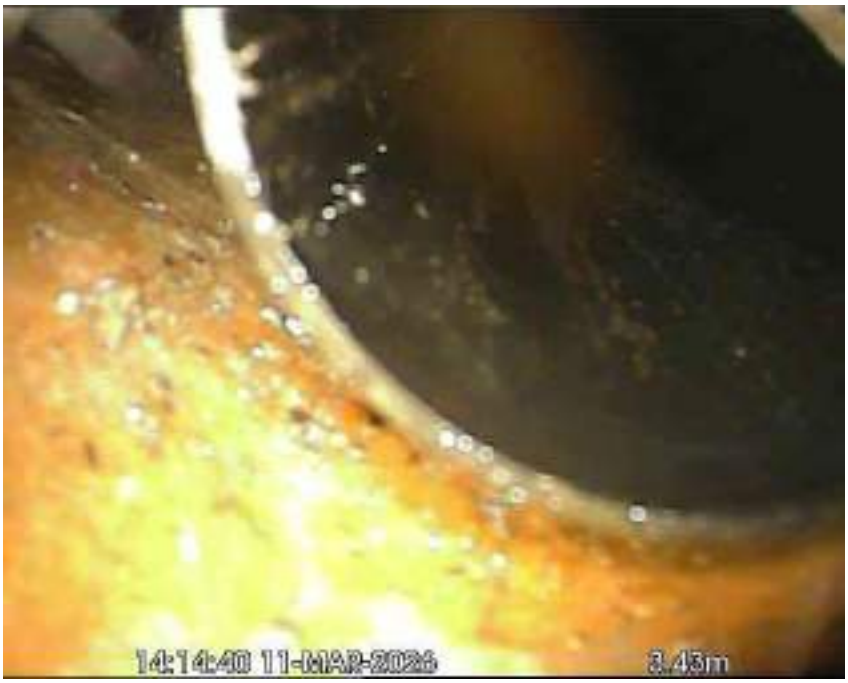
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
84	Upstream	LAT (A)X		



274.jpg, 00:00:39, 3.43 m
Finish node, manhole, reference: LAT (A), RWP REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
85	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.37 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.37 m	**Downstream Node:**	MH24
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:**	Vitrified clay
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: MH24	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.40	DES	Settled deposits, fine, 20% cross-sectional area loss: LEAVES & LITTER	00:00:10	145.jpg	4
0.80	LL	Line deviates left	00:00:19		
1.37	MHF	Finish node, manhole, reference: LAT (B): BEND UP TO RWP/GULLY	00:00:30	146.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	3.6	5.0	4.0

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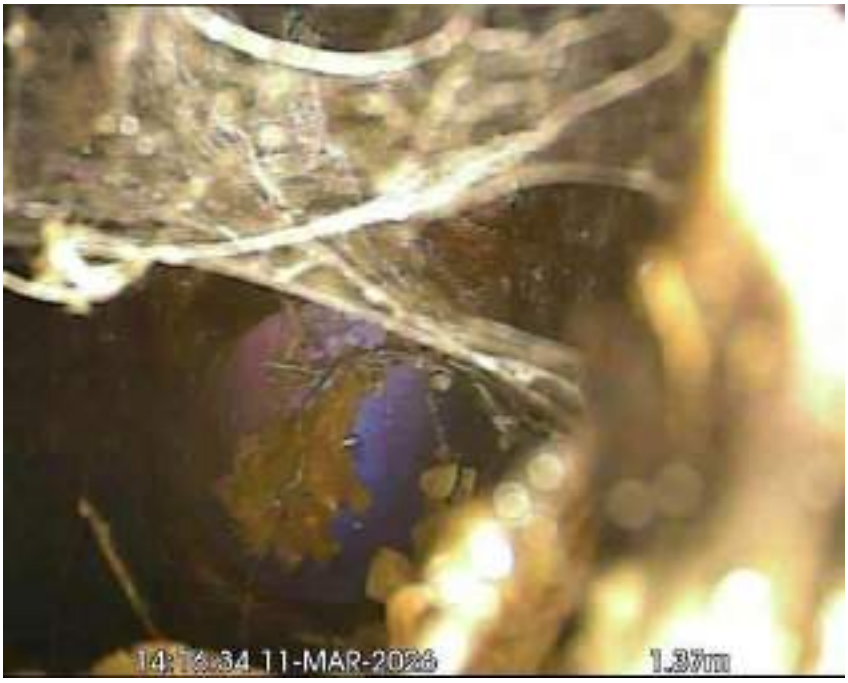
Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
85	Upstream	LAT (B)X		

145.jpg, 00:00:10, 0.40 m
Settled deposits, fine, 20% cross-sectional area loss, LEAVES & LITTER



146.jpg, 00:00:30, 1.37 m
Finish node, manhole, reference: LAT (B), BEND UP TO RWP/GULLY

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Section Inspection - 12/03/2026 - MH24X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
86	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	MH24X

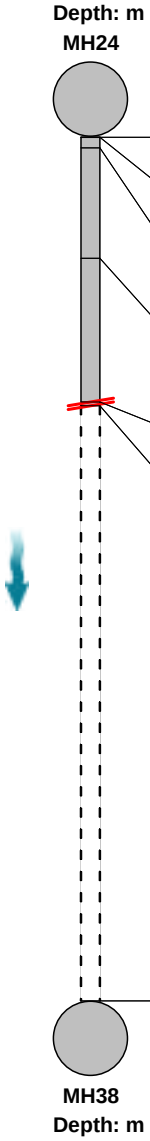
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH24
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.49 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	8.00 m	**Downstream Node:**	MH38
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:70



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH24	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	CCJ	Crack, circumferential at joint from 2 o'clock to 9 o'clock	00:00:07	147.jpg	2 / 2
1.12	OBB	Other obstacles, brick or masonry in invert from 6 o'clock to 9 o'clock, 20% cross-sectional area loss	00:00:21	148.jpg	5
2.45	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:33	149.jpg	4
2.49	SA	Survey abandoned: DUE TO SILT & DEBRIS	00:00:44	150.jpg	
8.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	2.0	10.0	2.0	3	10.0	3.2	16.0	5.0

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Section Pictures - 12/03/2026 - MH24X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
86	Downstream	MH24X		

147.jpg, 00:00:07, 0.10 m
Crack, circumferential at joint from 2 o'clock to 9 o'clock

148.jpg, 00:00:21, 1.12 m
Other obstacles, brick or masonry in invert from 6 o'clock to 9 o'clock, 20% cross-sectional area loss

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Section Pictures - 12/03/2026 - MH24X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
86	Downstream	MH24X		

149.jpg, 00:00:33, 2.45 m
Settled deposits, fine, 30% cross-sectional area loss

150.jpg, 00:00:44, 2.49 m
Survey abandoned, DUE TO SILT & DEBRIS

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Section Inspection - 12/03/2026 - MH25X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
87	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	MH25X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH25
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	20.30 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.30 m	**Downstream Node:**	MH25.1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
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
Depth: m					
MH25					
0.00	MH	Start node, manhole, reference: MH25	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.30	DEG	Attached deposits, grease from 10 o'clock to 2 o'clock, 10% cross-sectional area loss	00:00:30	275.jpg	3
11.46	CCJ	Crack, circumferential at joint from 6 o'clock to 12 o'clock	00:00:56	276.jpg	2 / 2
20.30	MHF	Finish node, manhole, reference: MH25.1: NOT MH27 AS INDICATED ON VIDEO CLIP (MH IS BURIED)	00:01:44	277.jpg	
MH25.1					
Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	0.5	10.0	2.0	2	4.0	0.2	5.0	3.0

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Section Pictures - 12/03/2026 - MH25X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
87	Downstream	MH25X		

275.jpg, 00:00:30, 5.30 m
Attached deposits, grease from 10 o'clock to 2 o'clock, 10% cross-sectional area loss

276.jpg, 00:00:56, 11.46 m
Crack, circumferential at joint from 6 o'clock to 12 o'clock

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Section Pictures - 12/03/2026 - MH25X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
87	Downstream	MH25X		

277.jpg, 00:01:44, 20.30 m
Finish node, manhole, reference: MH25.1, NOT MH27 AS INDICATED ON VIDEO CLIP (MH IS BURIED)

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Section Inspection - 12/03/2026 - MH25.1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
88	1	12/03/26	15:31	Not Specified	No Rain Or Snow	No	MH25.1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH25.1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	27.73 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	27.73 m	**Downstream Node:**	MH27
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:241 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH25.1					
0.00	MH	Start node, manhole, reference: MH25.1: (MH IS BURIED)	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
24.12	WL	Water level, 20% of the vertical dimension	00:04:13		
24.52	CCJ	Crack, circumferential at joint from 12 o'clock to 5 o'clock	00:04:23	278.jpg	2 / 2
24.54	DES	Settled deposits, fine, 20% cross-sectional area loss	00:05:07	279.jpg	4
26.87	WL	Water level, 10% of the vertical dimension	00:05:54		
27.73	MHF	Finish node, manhole, reference: MH27	00:06:11	280.jpg	
MH27 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	0.4	10.0	2.0	2	6.0	0.2	6.0	4.0

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Section Pictures - 12/03/2026 - MH25.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
88	Downstream	MH25.1X		

278.jpg, 00:04:23, 24.52 m
Crack, circumferential at joint from 12 o'clock to 5 o'clock

279.jpg, 00:05:07, 24.54 m
Settled deposits, fine, 20% cross-sectional area loss

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Section Pictures - 12/03/2026 - MH25.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
88	Downstream	MH25.1X		

280.jpg, 00:06:11, 27.73 m
Finish node, manhole, reference: MH27

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
89	1	12/03/26	15:32	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	13.35 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	13.35 m	**Downstream Node:**	MH34
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:116

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH34	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
13.35	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:01:04	151.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
89	Upstream	LAT (A)X		

151.jpg, 00:01:04, 13.35 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
90	1	12/03/26	15:32	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	9.31 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	9.31 m	**Downstream Node:**	MH34
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:81

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH34	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
9.31	MHF	Finish node, manhole, reference: LAT (B): GULLY TRAP REACHED	00:01:06	152.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
90	Upstream	LAT (B)X		

152.jpg, 00:01:06, 9.31 m
Finish node, manhole, reference: LAT (B), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - MH34X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
91	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH34X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH34
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	23.26 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	28.00 m	**Downstream Node:**	MH27
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:243 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH34					
0.00	MH	Start node, manhole, reference: MH34	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
11.50	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:59	281.jpg	2 / 2
13.20	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:01:07	282.jpg	2 / 2
22.97	DES	Settled deposits, fine, 30% cross-sectional area loss	00:02:33	283.jpg	4
23.26	SA	Survey abandoned: DUE TOHEAVY SILT	00:03:06	284.jpg	
28.00		End of pipe			
MH27 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	10.0	0.7	20.0	2.0	3	5.0	0.2	7.0	4.0

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Section Pictures - 12/03/2026 - MH34X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
91	Downstream	MH34X		

281.jpg, 00:00:59, 11.50 m
Crack, circumferential from 12 o'clock to 12 o'clock

282.jpg, 00:01:07, 13.20 m
Crack, circumferential from 12 o'clock to 12 o'clock

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Section Pictures - 12/03/2026 - MH34X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
91	Downstream	MH34X		

283.jpg, 00:02:33, 22.97 m
Settled deposits, fine, 30% cross-sectional area loss

284.jpg, 00:03:06, 23.26 m
Survey abandoned, DUE TOHEAVY SILT

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Section Inspection - 12/03/2026 - MH34X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
92	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH34X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH34
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	4.17 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	28.00 m	**Downstream Node:**	MH27
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: OVERLAP SURVEY
Recommendations:

Scale: 1:243

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH27: OVERLAP SURVEY	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:16	153.jpg	4
3.81	DES	Settled deposits, fine, 50% cross-sectional area loss: OVERLAP POINT REACHED	00:01:46	154.jpg	4
4.17	SA	Survey abandoned: OVERLAP SURVEY COMPLETED	00:02:03		
28.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	0.4	13.0	4.0

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Section Pictures - 12/03/2026 - MH34X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
92	Upstream	MH34X		

153.jpg, 00:00:16, 0.10 m
Settled deposits, fine, 30% cross-sectional area loss

154.jpg, 00:01:46, 3.81 m
Settled deposits, fine, 50% cross-sectional area loss, OVERLAP POINT REACHED

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Section Inspection - 12/03/2026 - MH27X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
93	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH27X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH27
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.26 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.26 m	**Downstream Node:**	MH28
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
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: MH28	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.26	REM	General remark: INTERCEPTOR TRAP AT MH 27 REACHED		285.jpg	
0.26	MHF	Finish node, manhole, reference: MH27: JUST PAST TRAP	00:00:10	286.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH27X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
93	Upstream	MH27X		

285.jpg, 0.26 m
General remark, INTERCEPTOR TRAP AT MH 27 REACHED

286.jpg, 00:00:10, 0.26 m
Finish node, manhole, reference: MH27, JUST PAST TRAP

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Section Inspection - 12/03/2026 - MH29X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
94	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH29X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH29
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	7.67 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	7.67 m	**Downstream Node:**	MH30
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

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

Comments:
Recommendations:

Scale: 1:67

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH29: SURVEY DOWN VERTICAL DROP PIPE	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.17	JN	Junction at 12 o'clock, 150mm dia	00:00:15	155.jpg	
1.52	DEG	Attached deposits, grease from 12 o'clock to 12 o'clock, 10% cross-sectional area loss	00:00:18	156.jpg	3
7.15	REM	General remark: REST BEND - LINE LEVELS OUT	00:00:47		
7.67	MHF	Finish node, manhole, reference: MH30	00:00:54	157.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	4.0	0.5	4.0	3.0

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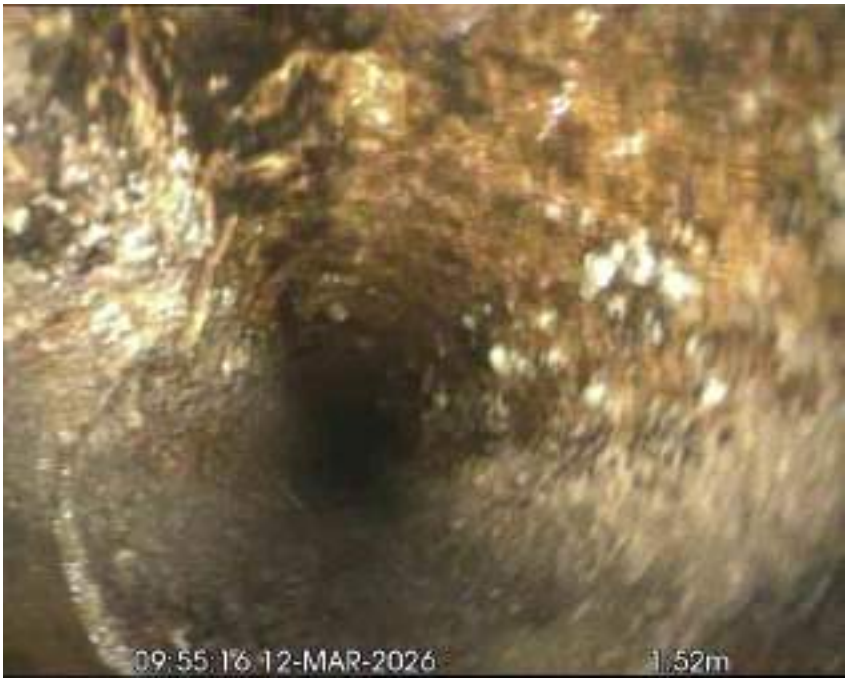
Section Pictures - 12/03/2026 - MH29X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
94	Downstream	MH29X		

155.jpg, 00:00:15, 1.17 m
Junction at 12 o'clock, 150mm dia



156.jpg, 00:00:18, 1.52 m
Attached deposits, grease from 12 o'clock to 12 o'clock, 10% cross-sectional area loss

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Section Pictures - 12/03/2026 - MH29X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
94	Downstream	MH29X		

157.jpg, 00:00:54, 7.67 m
Finish node, manhole, reference: MH30

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Section Inspection - 12/03/2026 - MH28X

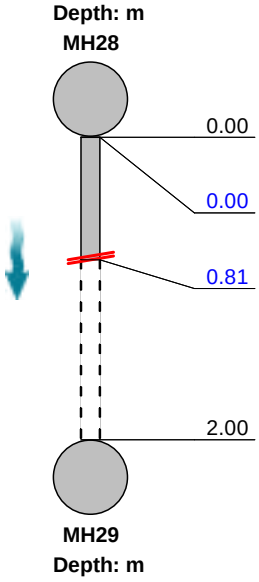
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
95	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH28X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH28
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.81 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.00 m	**Downstream Node:**	MH29
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
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: MH28	00:00:00		
0.00	WL	Water level, 80% of the vertical dimension: CAMERA UNDERWATER - LOSS OF VISION			
0.81	SA	Survey abandoned: UNABLE TO SEE (UNDERWATER)	00:00:19		
2.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 Inspection - 12/03/2026 - LAT (A)X

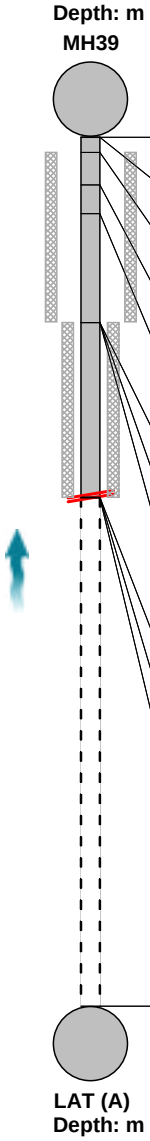
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
96	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	8.30 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.00 m	**Downstream Node:**	MH39
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:**	Vitrified clay
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: MH39	00:00:00		
0.00		WL	Water level, 0% of the vertical dimension			
0.36	S01	DES	Settled deposits, fine, 10% cross-sectional area loss, start	00:00:22	158.jpg	
1.10		RTJ	Roots, tap at joint	00:00:50	159.jpg	4
1.76		RFJ	Roots, fine at joint	00:00:54	160.jpg	2
4.27		WL	Water level, 10% of the vertical dimension	00:01:10		
4.27	F01	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	00:01:10		3
4.27	S02	DES	Settled deposits, fine, 25% cross-sectional area loss, start	00:01:10	161.jpg	
8.29	F02	DES	Settled deposits, fine, 25% cross-sectional area loss, finish	00:01:46		4
8.29		DES	Settled deposits, fine, 40% cross-sectional area loss: UNABLE TO PASS.	00:01:46	162.jpg	4
8.30		SA	Survey abandoned: DUE TO HEAVY SILT	00:01:46	163.jpg	
20.00			End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5	10.0	2.2	44.0	5.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
96	Upstream	LAT (A)X		

158.jpg, 00:00:22, 0.36 m
Settled deposits, fine, 10% cross-sectional area loss, start

159.jpg, 00:00:50, 1.10 m
Roots, tap at joint

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
96	Upstream	LAT (A)X		

160.jpg, 00:00:54, 1.76 m
Roots, fine at joint

161.jpg, 00:01:10, 4.27 m
Settled deposits, fine, 25% cross-sectional area loss, start

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
96	Upstream	LAT (A)X		

162.jpg, 00:01:46, 8.29 m
Settled deposits, fine, 40% cross-sectional area loss, UNABLE TO PASS.

163.jpg, 00:01:46, 8.30 m
Survey abandoned, DUE TO HEAVY SILT

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Section Inspection - 12/03/2026 - LAT (B)X

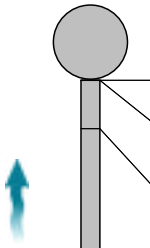
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
97	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.95 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.95 m	**Downstream Node:**	MH39
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:**	Vitrified clay
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: MH39	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.32	RF	Roots, fine	00:00:06	287.jpg	2
1.94	DER	Settled deposits, coarse, 80% cross-sectional area loss	00:00:14	288.jpg	5
1.95	SA	Survey abandoned: DUE TO DEBRIS/STONES (POSS. COLLAPSED PIPE AHEAD?)	00:00:16	289.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.7	11.0	5.0

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
97	Upstream	LAT (B)X		

287.jpg, 00:00:06, 0.32 m
Roots, fine

288.jpg, 00:00:14, 1.94 m
Settled deposits, coarse, 80% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
97	Upstream	LAT (B)X		

289.jpg, 00:00:16, 1.95 m
Survey abandoned, DUE TO DEBRIS/STONES (POSS. COLLAPSED PIPE AHEAD?)

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Section Inspection - 12/03/2026 - MH39X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
98	1	12/03/26	15:33	Not Specified	No Rain Or Snow	No	MH39X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH39
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	10.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	10.10 m	**Downstream Node:**	BOUNDARY
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:**	Pitch fibre
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:88

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH39	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
10.10	MHF	Finish node, manhole, reference: BOUNDARY: EXTENT OF SURVEY REQ'D (PAST BOUNDARY)	00:00:43	290.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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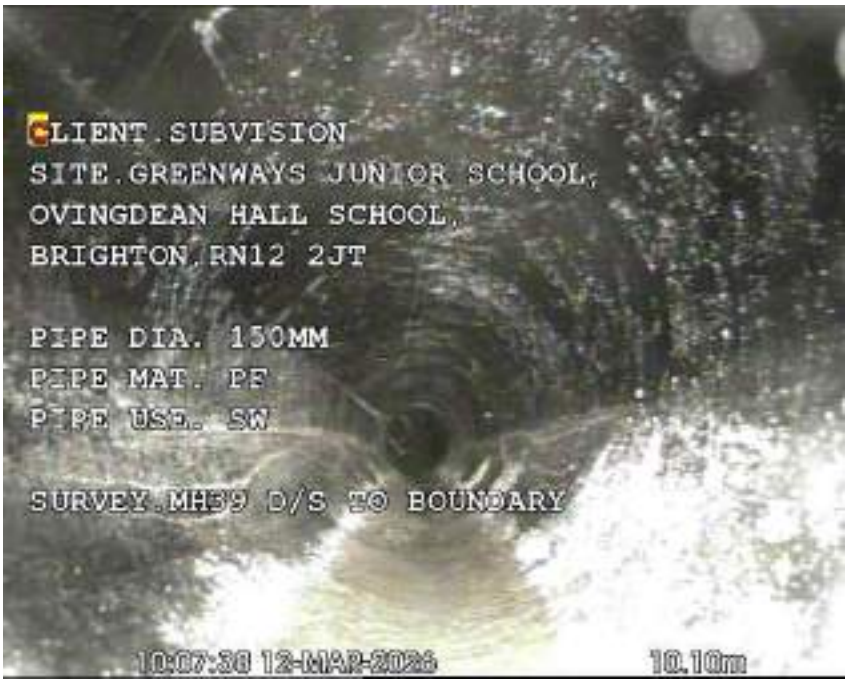
Section Pictures - 12/03/2026 - MH39X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
98	Downstream	MH39X		



290.jpg, 00:00:43, 10.10 m
Finish node, manhole, reference: BOUNDARY, EXTENT OF SURVEY REQ'D (PAST BOUNDARY)

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Section Inspection - 12/03/2026 - MH37X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
99	1	12/03/26	15:34	Not Specified	No Rain Or Snow	No	MH37X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH37
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	20.14 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.14 m	**Downstream Node:**	MH25
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:**	Cast iron
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:175

Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH37	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension			
0.10	S01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, start: SCALE ALONG INVERT	00:00:08	291.jpg	
9.11		MCVC	Pipe material changes to vitrified clay at this point	00:01:00		
9.11	F01	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss, finish: SCALE ALONG INVERT	00:01:49		3
20.14		MHF	Finish node, manhole, reference: MH25	00:02:53	292.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	1.0	20.0	3.0

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Section Pictures - 12/03/2026 - MH37X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
99	Downstream	MH37X		

291.jpg, 00:00:08, 0.10 m
Settled deposits, hard or compacted, 10% cross-sectional area loss, start, SCALE ALONG INVERT

292.jpg, 00:02:53, 20.14 m
Finish node, manhole, reference: MH25

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Section Inspection - 12/03/2026 - MH24X

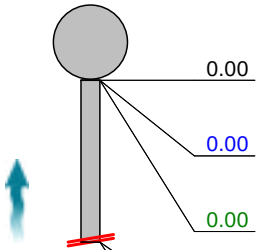
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
100	1	12/03/26	15:34	Not Specified	No Rain Or Snow	No	MH24X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH24
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.07 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	1.07 m	**Downstream Node:**	MH38
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:**	Vitrified clay
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: MH38	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
0.00	DES	Settled deposits, fine, 30% cross-sectional area loss			4
1.07	DES	Settled deposits, fine, 50% cross-sectional area loss: UNABLE TO PASS.	00:00:43	164.jpg	4
1.07	SA	Survey abandoned: DUE TO HEAVY SILT (OVERLAP SURVEY INCOMPLETE)	00:00:43	165.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	12.1	13.0	5.0

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Section Pictures - 12/03/2026 - MH24X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
100	Upstream	MH24X		

164.jpg, 00:00:43, 1.07 m
Settled deposits, fine, 50% cross-sectional area loss, UNABLE TO PASS.

165.jpg, 00:00:43, 1.07 m
Survey abandoned, DUE TO HEAVY SILT (OVERLAP SURVEY INCOMPLETE)

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Section Inspection - 12/03/2026 - LAT (A)X

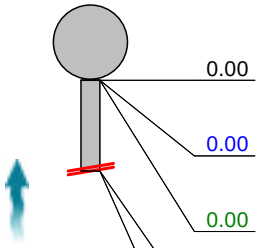
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
101	1	12/03/26	15:34	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.60 m	**Downstream Node:**	MH38
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:**	Vitrified clay
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: MH38	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.00	DES	Settled deposits, fine, 25% cross-sectional area loss	00:00:05	166.jpg	4
0.60	JDM	Joint displaced, medium	00:00:10	167.jpg	1 / 3
0.60	SA	Survey abandoned: DUE TO SILT	00:00:32	168.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	1.7	1.0	1.0	2	5.0	11.7	7.0	5.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
101	Upstream	LAT (A)X		

166.jpg, 00:00:05, 0.00 m
Settled deposits, fine, 25% cross-sectional area loss

167.jpg, 00:00:10, 0.60 m
Joint displaced, medium

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
101	Upstream	LAT (A)X		

168.jpg, 00:00:32, 0.60 m
Survey abandoned, DUE TO SILT

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Section Inspection - 12/03/2026 - MH38.1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
102	1	12/03/26	15:34	Not Specified	No Rain Or Snow	No	MH38.1X

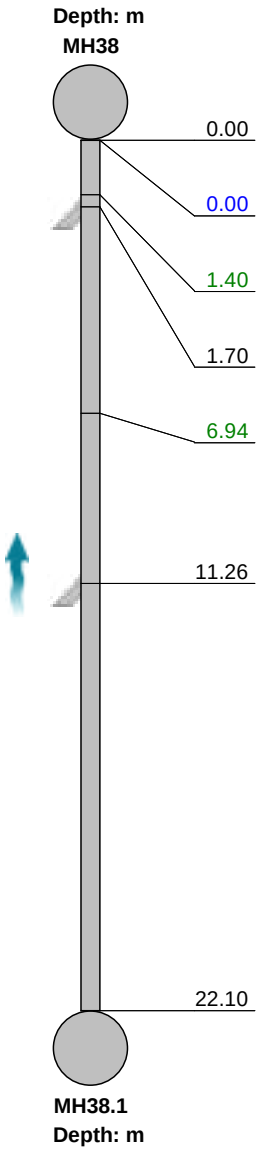
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH38.1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	22.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	22.10 m	**Downstream Node:**	MH38
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:192



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH38	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.40	LL	Line deviates left: SLIGHT	00:00:21		
1.70	JN	Junction at 3 o'clock, 100mm dia	00:00:23		
6.94	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:51	169.jpg	3
11.26	JN	Junction at 3 o'clock, 100mm dia	00:01:13		
22.10	MHF	Finish node, manhole, reference: MH38.1	00:02:32	170.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	0.1	2.0	3.0

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Section Pictures - 12/03/2026 - MH38.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
102	Upstream	MH38.1X		

169.jpg, 00:00:51, 6.94 m
Settled deposits, fine, 10% cross-sectional area loss

170.jpg, 00:02:32, 22.10 m
Finish node, manhole, reference: MH38.1

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Section Inspection - 12/03/2026 - MH38X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
103	1	12/03/26	15:35	Not Specified	No Rain Or Snow	No	MH38X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH38
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	13.52 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	13.52 m	**Downstream Node:**	MH40
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:118

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH38	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
5.14	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:30	171.jpg	4
7.87	JN	Junction at 10 o'clock, 100mm dia	00:00:49		
12.78	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:01:14	172.jpg	2 / 2
13.52	MHF	Finish node, manhole, reference: MH40: DEBRIS IN MH	00:01:19	173.jpg	

Construction Features
Structural Defects

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade
1	10.0	0.7	10.0	2.0

Miscellaneous Features
Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	5.0	0.4	6.0	4.0

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Section Pictures - 12/03/2026 - MH38X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
103	Downstream	MH38X		

171.jpg, 00:00:30, 5.14 m
Settled deposits, fine, 20% cross-sectional area loss

172.jpg, 00:01:14, 12.78 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

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Section Pictures - 12/03/2026 - MH38X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
103	Downstream	MH38X		

173.jpg, 00:01:19, 13.52 m
Finish node, manhole, reference: MH40, DEBRIS IN MH

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Section Inspection - 12/03/2026 - MH40X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
104	1	12/03/26	15:35	Not Specified	No Rain Or Snow	No	MH40X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH40
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	21.68 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	21.68 m	**Downstream Node:**	MH13
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:188

Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH40					
0.00	MH	Start node, manhole, reference: MH40	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
3.78	MCCI	Pipe material changes to cast iron at this point	00:00:23		
11.11	MCVC	Pipe material changes to vitrified clay at this point	00:01:00		
21.68	MHF	Finish node, manhole, reference: MH13	00:03:59	174.jpg	
MH13 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH40X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
104	Downstream	MH40X		

174.jpg, 00:03:59, 21.68 m
Finish node, manhole, reference: MH13

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
105	1	12/03/26	15:35	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.30 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.30 m	**Downstream Node:**	MH40
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:55

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH40	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.40	LL	Line deviates left	00:00:07		
6.20	LU	Line deviates up	00:00:47		
6.30	MHF	Finish node, manhole, reference: LAT (A): DOWNPIPE REACHED	00:00:50	293.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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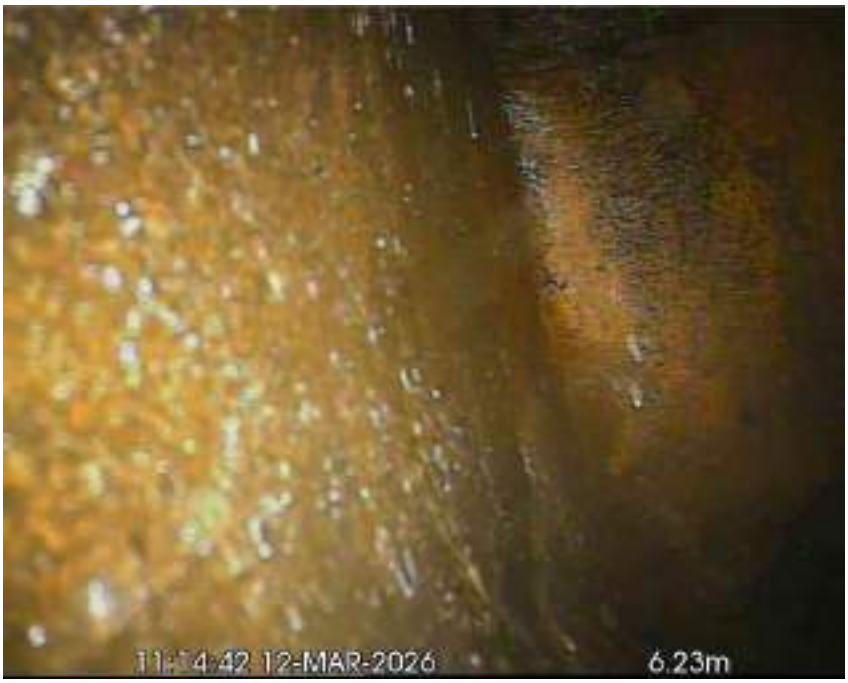
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
105	Upstream	LAT (A)X		



293.jpg, 00:00:50, 6.30 m
Finish node, manhole, reference: LAT (A), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - MH42X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
106	1	12/03/26	15:35	Not Specified	No Rain Or Snow	No	MH42X

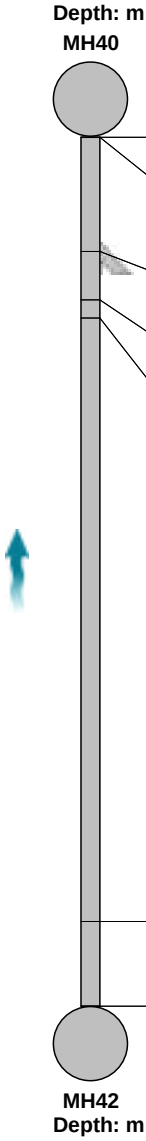
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH42
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	18.16 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	18.16 m	**Downstream Node:**	MH40
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:158



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH40	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
2.39	JN	Junction at 9 o'clock, 100mm dia	00:00:18		
3.40	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:25	175.jpg	2 / 2
3.79	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss	00:00:29	176.jpg	4
16.39	DES	Settled deposits, fine, 20% cross-sectional area loss	00:02:44	177.jpg	4
18.16	MHF	Finish node, manhole, reference: MH42	00:02:59	178.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	0.6	10.0	2.0	3	5.0	0.6	11.0	4.0

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Section Pictures - 12/03/2026 - MH42X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
106	Upstream	MH42X		

175.jpg, 00:00:25, 3.40 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

176.jpg, 00:00:29, 3.79 m
Settled deposits, hard or compacted, 20% cross-sectional area loss

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Section Pictures - 12/03/2026 - MH42X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
106	Upstream	MH42X		

177.jpg, 00:02:44, 16.39 m
Settled deposits, fine, 20% cross-sectional area loss

178.jpg, 00:02:59, 18.16 m
Finish node, manhole, reference: MH42

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Section Inspection - 12/03/2026 - LAT (B)X

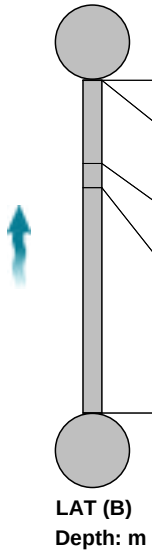
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
107	1	12/03/26	15:35	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.20 m	**Downstream Node:**	MH40
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:**	Vitrified clay
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: MH40	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.55	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:12	294.jpg	2 / 2
0.71	LR	Line deviates right	00:00:17		
2.20	MHF	Finish node, manhole, reference: LAT (B): SLOT DRAIN/GULLY REACHED	00:01:19	295.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	10.0	4.5	10.0	2.0	1	1.0	0.5	1.0	2.0

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
107	Upstream	LAT (B)X		

294.jpg, 00:00:12, 0.55 m
Crack, circumferential at joint from 12 o'clock to 12 o'clock

295.jpg, 00:01:19, 2.20 m
Finish node, manhole, reference: LAT (B), SLOT DRAIN/GULLY REACHED

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
108	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	4.00 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.00 m	**Downstream Node:**	MH41
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:**	Vitrified clay
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: MH41	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	LL	Line deviates left	00:00:07		
4.00	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:00:33	179.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
108	Upstream	LAT (A)X		

179.jpg, 00:00:33, 4.00 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
109	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	5.76 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.76 m	**Downstream Node:**	MH41
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:**	Vitrified clay
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 MH41						
	0.00	MH	Start node, manhole, reference: MH41	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension			
	0.20	RF	Roots, fine			2
	0.20	H	Hole in drain or sewer at 12 o'clock: SMALL HOLE IN CROWN		180.jpg	4
	5.23	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:28		
	5.50	LL	Line deviates left	00:00:31		
	5.76	MHF	Finish node, manhole, reference: LAT (B): STACK REACHED	00:00:40	181.jpg	
LAT (B) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	13.9	80.0	4.0	1	1.0	0.2	1.0	2.0

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
109	Upstream	LAT (B)X		

180.jpg, 0.20 m
Hole in drain or sewer at 12 o'clock, SMALL HOLE IN CROWN

181.jpg, 00:00:40, 5.76 m
Finish node, manhole, reference: LAT (B), STACK REACHED

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Section Inspection - 12/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
110	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	1.21 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.00 m	**Downstream Node:**	MH41
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:52 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH41					
0.00	MH	Start node, manhole, reference: MH41	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:06	182.jpg	3
0.91	DES	Settled deposits, fine, 50% cross-sectional area loss	00:00:12	183.jpg	4
1.21	SA	Survey abandoned: DUE TO SILT	00:00:21	184.jpg	
6.00		End of pipe			
LAT (C) Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	8.0	3.3	10.0	4.0

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Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
110	Upstream	LAT (C)X		

182.jpg, 00:00:06, 0.10 m
Settled deposits, fine, 10% cross-sectional area loss

183.jpg, 00:00:12, 0.91 m
Settled deposits, fine, 50% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
110	Upstream	LAT (C)X		

184.jpg, 00:00:21, 1.21 m
Survey abandoned, DUE TO SILT

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Section Inspection - 12/03/2026 - LAT (D)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
111	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (D)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (D)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	4.27 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	4.27 m	**Downstream Node:**	MH41
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:**	Vitrified clay
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: MH41	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.42	DES	Settled deposits, fine, 30% cross-sectional area loss	00:00:12	185.jpg	4
4.27	MHF	Finish node, manhole, reference: LAT (D): GULLY TRAP REACHED	00:00:44	186.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	1.2	5.0	4.0

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Section Pictures - 12/03/2026 - LAT (D)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
111	Upstream	LAT (D)X		

185.jpg, 00:00:12, 0.42 m
Settled deposits, fine, 30% cross-sectional area loss

186.jpg, 00:00:44, 4.27 m
Finish node, manhole, reference: LAT (D), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - LAT (E)X

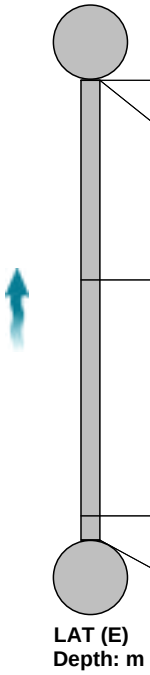
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
112	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (E)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (E)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.04 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.04 m	**Downstream Node:**	MH41
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:**	Vitrified clay
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: MH41	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.32	BJ	Broken pipe at joint from 12 o'clock to 6 o'clock	00:00:12	187.jpg	4
2.88	DER	Settled deposits, coarse, 50% cross-sectional area loss	00:00:22	188.jpg	4
3.04	MHF	Finish node, manhole, reference: LAT (E): REST BEND UP TO DOWNPIPE/STACK	00:00:26	189.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	26.3	80.0	4.0	1	8.0	2.6	8.0	4.0

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Section Pictures - 12/03/2026 - LAT (E)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
112	Upstream	LAT (E)X		

187.jpg, 00:00:12, 1.32 m
Broken pipe at joint from 12 o'clock to 6 o'clock

188.jpg, 00:00:22, 2.88 m
Settled deposits, coarse, 50% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (E)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
112	Upstream	LAT (E)X		

189.jpg, 00:00:26, 3.04 m
Finish node, manhole, reference: LAT (E), REST BEND UP TO DOWNPIPE/STACK

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Section Inspection - 12/03/2026 - LAT (F)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
113	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (F)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (F)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	2.33 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	2.33 m	**Downstream Node:**	MH41
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:**	Vitrified clay
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 MH41					
0.00	MH	Start node, manhole, reference: MH41	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
1.20	JDM	Joint displaced, medium	00:00:14	190.jpg	1 / 3
1.88	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	00:00:22	191.jpg	3
2.23	LU	Line deviates up	00:00:24		
2.33	MHF	Finish node, manhole, reference: LAT (F): BEND UP TO STACK	00:00:27	192.jpg	
LAT (F) Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.4	1.0	1.0	2	2.0	1.7	4.0	3.0

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Section Pictures - 12/03/2026 - LAT (F)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
113	Upstream	LAT (F)X		

190.jpg, 00:00:14, 1.20 m
Joint displaced, medium

191.jpg, 00:00:22, 1.88 m
Settled deposits, hard or compacted, 10% cross-sectional area loss

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Section Pictures - 12/03/2026 - LAT (F)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
113	Upstream	LAT (F)X		

192.jpg, 00:00:27, 2.33 m
Finish node, manhole, reference: LAT (F), BEND UP TO STACK

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Section Inspection - 12/03/2026 - MH41X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
114	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	MH41X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH41
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	15.00 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	18.00 m	**Downstream Node:**	MH37
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:156

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH41	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
6.12	WL	Water level, 20% of the vertical dimension	00:00:32		
6.60	DEC	Settled deposits, hard or compacted, 20% cross-sectional area loss	00:00:36		4
7.70	CUW	Loss of vision, camera under water	00:00:41		
15.00	SA	Survey abandoned: TOTAL LOSS OF VISION (LINE BLOCKED)	00:01:43		
18.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	0.3	5.0	4.0

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
115	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.60 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.60 m	**Downstream Node:**	MH42
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:**	Vitrified clay
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: MH42	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	LU	Line deviates up	00:00:06		
0.60	MHF	Finish node, manhole, reference: LAT (A): DOWNPIPE REACHED	00:00:15	193.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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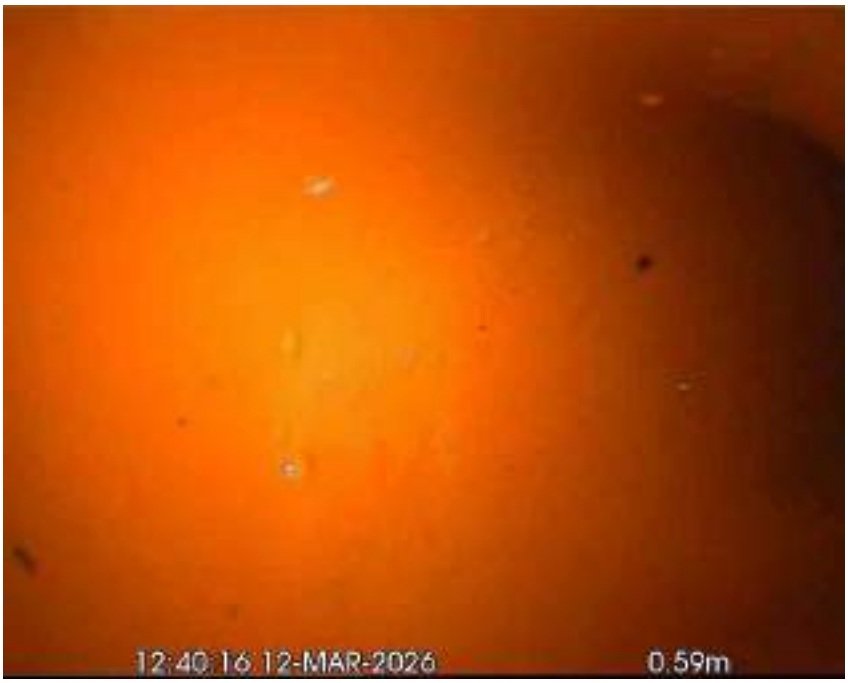
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
115	Upstream	LAT (A)X		



193.jpg, 00:00:15, 0.60 m
Finish node, manhole, reference: LAT (A), DOWNPIPE REACHED

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
116	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	3.80 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	3.80 m	**Downstream Node:**	MH42
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:**	Vitrified clay
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: MH42	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.30	LU	Line deviates up	00:00:14		
3.80	MHF	Finish node, manhole, reference: LAT (B): RWP/GULLY REACHED	00:00:31	194.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
116	Upstream	LAT (B)X		

194.jpg, 00:00:31, 3.80 m
Finish node, manhole, reference: LAT (B), RWP/GULLY REACHED

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Section Inspection - 12/03/2026 - LAT (C)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
117	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (C)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (C)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	16.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	16.10 m	**Downstream Node:**	MH42
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:140

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH42	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.10	DES	Settled deposits, fine, 30% cross-sectional area loss		195.jpg	4
15.02	B	Broken pipe from 9 o'clock to 4 o'clock	00:02:15	196.jpg	4
16.10	MHF	Finish node, manhole, reference: LAT (C): RWP/GULLY REACHED	00:02:31	197.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	5.0	80.0	4.0	1	5.0	0.3	5.0	4.0

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Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
117	Upstream	LAT (C)X		

195.jpg, 0.10 m
Settled deposits, fine, 30% cross-sectional area loss

196.jpg, 00:02:15, 15.02 m
Broken pipe from 9 o'clock to 4 o'clock

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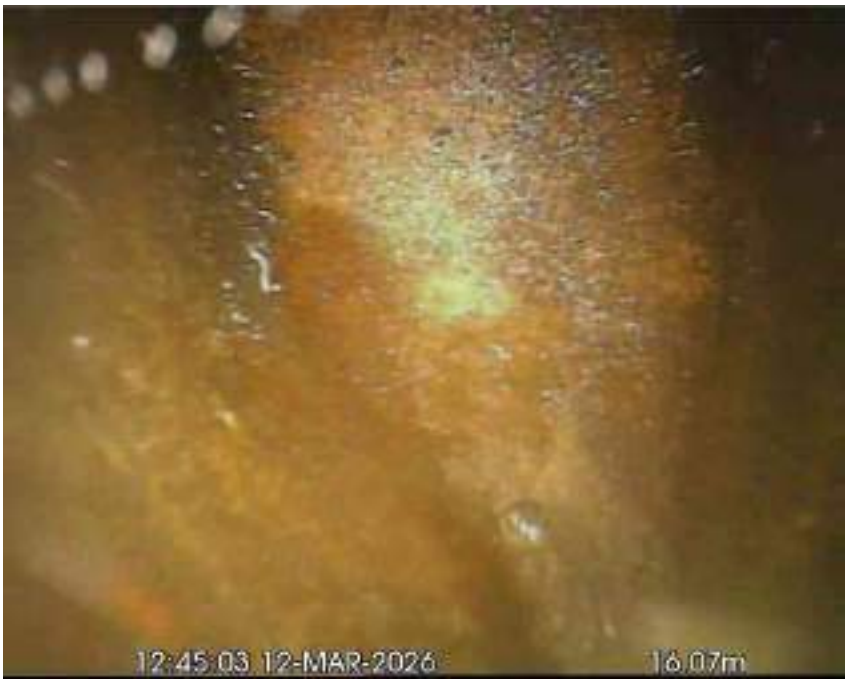
Section Pictures - 12/03/2026 - LAT (C)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
117	Upstream	LAT (C)X		



197.jpg, 00:02:31, 16.10 m
Finish node, manhole, reference: LAT (C), RWP/GULLY REACHED

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
118	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.81 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.81 m	**Downstream Node:**	MH36
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
Depth: m MH36					
0.00	MH	Start node, manhole, reference: MH36	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.65	LU	Line deviates up	00:00:10		
0.81 LAT (A) Depth: m	MHF	Finish node, manhole, reference: LAT (A): STACK REACHED	00:00:12	198.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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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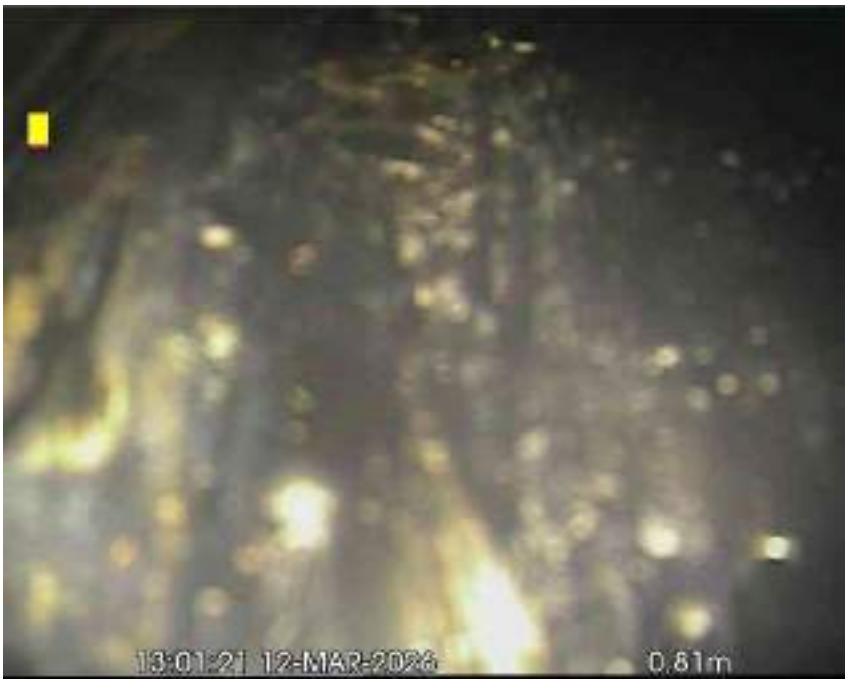
Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
118	Upstream	LAT (A)X		



198.jpg, 00:00:12, 0.81 m
Finish node, manhole, reference: LAT (A), STACK REACHED

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Section Inspection - 12/03/2026 - MH36X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
119	1	12/03/26	15:36	Not Specified	No Rain Or Snow	No	MH36X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH36
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	7.08 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	7.08 m	**Downstream Node:**	MH35
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: 1:62

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH36	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
6.74	LR	Line deviates right	00:00:33		
7.08	MHF	Finish node, manhole, reference: MH35	00:00:37	296.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH36X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
119	Downstream	MH36X		

296.jpg, 00:00:37, 7.08 m
Finish node, manhole, reference: MH35

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
120	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	11.03 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	11.03 m	**Downstream Node:**	MH35
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: 1:96

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH35	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
6.60	JN	Junction at 12 o'clock, 100mm dia	00:00:33		
10.36	JN	Junction at 11 o'clock, 100mm dia	00:00:54		
10.74	LU	Line deviates up	00:00:58		
11.03	MHF	Finish node, manhole, reference: LAT (A): GULLY TRAP REACHED	00:01:02	199.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
120	Upstream	LAT (A)X		

199.jpg, 00:01:02, 11.03 m
Finish node, manhole, reference: LAT (A), GULLY TRAP REACHED

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Section Inspection - 12/03/2026 - MH35X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
121	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	MH35X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH35
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	22.89 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	25.00 m	**Downstream Node:**	D/STREAM
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: 1:217

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH35	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.20	LR	Line deviates right	00:00:03		
13.65	WL	Water level, 20% of the vertical dimension	00:00:46		
15.62	CUW	Loss of vision, camera under water: LINE BLOCKED/HOLDING	00:00:54		
22.89	SA	Survey abandoned: DUE TO BLOCKAGE (UNABLE TO LOCATE D/S MANHOLE?)	00:01:24		
25.00		End of pipe			

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 Inspection - 12/03/2026 - R/EYE 1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
122	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	R/EYE 1X

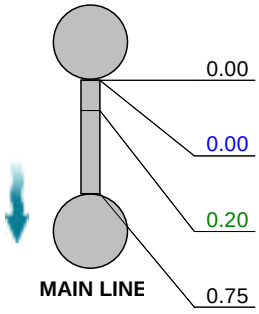
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	R/EYE 1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.75 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	0.75 m	**Downstream Node:**	MAIN LINE
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:**	Vitrified clay
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: R/EYE 1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.20	LR	Line deviates right	00:00:05		
0.75	MHF	Finish node, manhole, reference: MAIN LINE	00:00:10	200.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - R/EYE 1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
122	Downstream	R/EYE 1X		

200.jpg, 00:00:10, 0.75 m
Finish node, manhole, reference: MAIN LINE

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Section Inspection - 12/03/2026 - MH4X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
123	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	MH4X

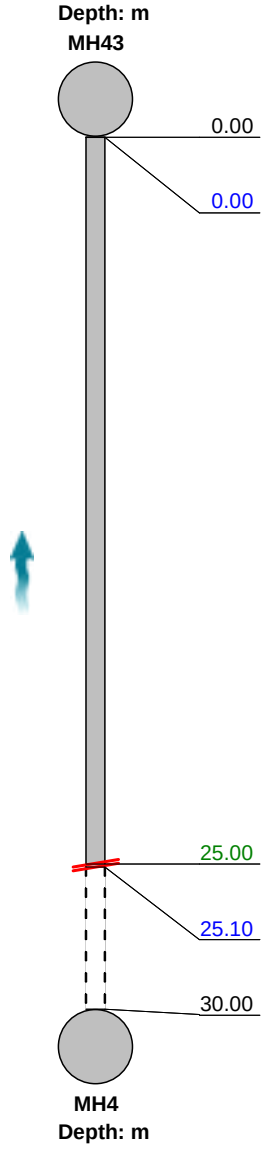
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	MH4
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	25.10 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	30.00 m	**Downstream Node:**	MH43
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: OVERLAP SURVEY
Recommendations:

Scale: 1:260



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH43: OVERLAP SURVEY	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
25.00	OBB	Other obstacles, brick or masonry in invert from 4 o'clock to 7 o'clock, 20% cross-sectional area loss: OVERLAP POINT REACHED	00:02:01	201.jpg	5
25.10	SA	Survey abandoned: OVERLAP SURVEY COMPLETED	00:02:10	202.jpg	
30.00		End of pipe			

Construction Features — Structural Defects

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

Miscellaneous Features — Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	0.3	10.0	5.0

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Section Pictures - 12/03/2026 - MH4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
123	Upstream	MH4X		

201.jpg, 00:02:01, 25.00 m
Other obstacles, brick or masonry in invert from 4 o'clock to 7 o'clock, 20% cross-sectional area loss, OVERLAP POINT REACHED

202.jpg, 00:02:10, 25.10 m
Survey abandoned, OVERLAP SURVEY COMPLETED

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Section Inspection - 12/03/2026 - MH43X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
124	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	MH43X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH43
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	21.89 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	21.89 m	**Downstream Node:**	MH43.1
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:190

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH43	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
6.20	WL	Water level, 20% of the vertical dimension	00:00:32		
21.89	MHF	Finish node, manhole, reference: MH43.1	00:01:36	203.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - MH43X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
124	Downstream	MH43X		

203.jpg, 00:01:36, 21.89 m
Finish node, manhole, reference: MH43.1

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Section Inspection - 12/03/2026 - GU3X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
125	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	GU3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	GU3
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.16 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.16 m	**Downstream Node:**	MH43
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:54

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH43	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
4.37	LL	Line deviates left	00:00:21		
6.16	MHF	Finish node, manhole, reference: GU3	00:00:34	204.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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 - 12/03/2026 - GU3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
125	Upstream	GU3X		

204.jpg, 00:00:34, 6.16 m
Finish node, manhole, reference: GU3

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Section Inspection - 12/03/2026 - MH43.1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
126	1	12/03/26	15:37	Not Specified	No Rain Or Snow	No	MH43.1X

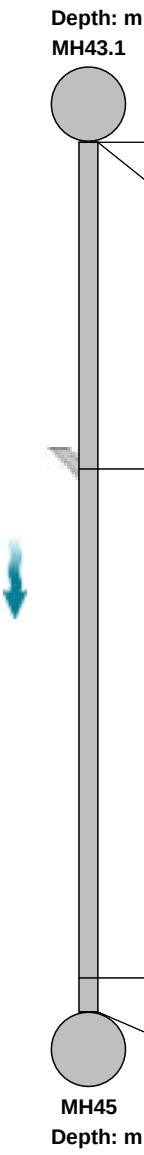
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH43.1
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	20.71 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	20.71 m	**Downstream Node:**	MH45
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:180



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH43.1	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
7.79	JN	Junction at 2 o'clock, 100mm dia	00:00:39		
19.89	FC	Fracture, circumferential from 9 o'clock to 3 o'clock	00:01:32	297.jpg	3 / 2
20.71	MHF	Finish node, manhole, reference: MH45	00:01:37	298.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	40.0	1.9	40.0	3.0	1	1.0	0.0	1.0	2.0

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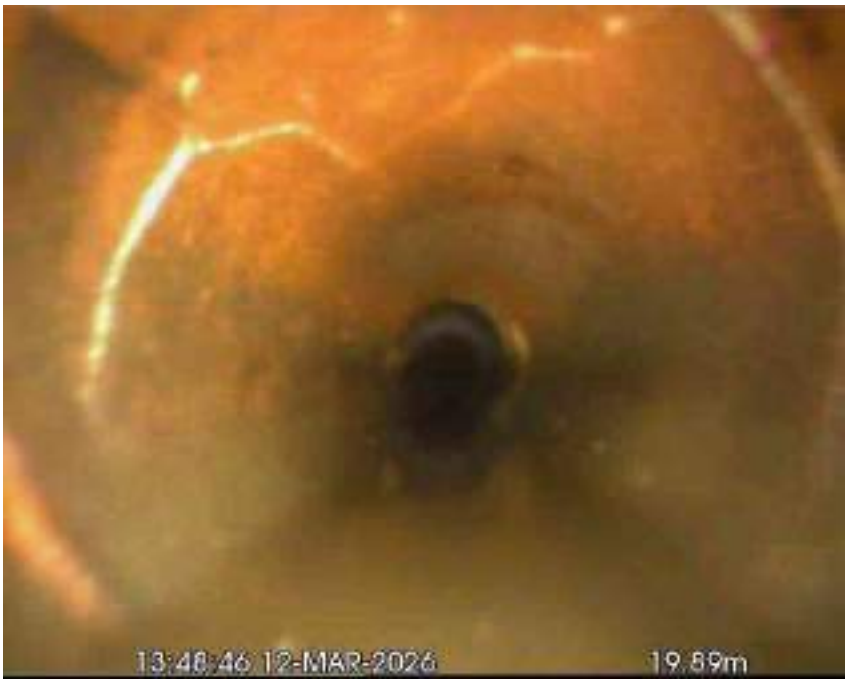
Section Pictures - 12/03/2026 - MH43.1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
126	Downstream	MH43.1X		



297.jpg, 00:01:32, 19.89 m
Fracture, circumferential from 9 o'clock to 3 o'clock

298.jpg, 00:01:37, 20.71 m
Finish node, manhole, reference: MH45

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Section Inspection - 12/03/2026 - MH20X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
127	1	12/03/26	15:38	Not Specified	No Rain Or Snow	No	MH20X

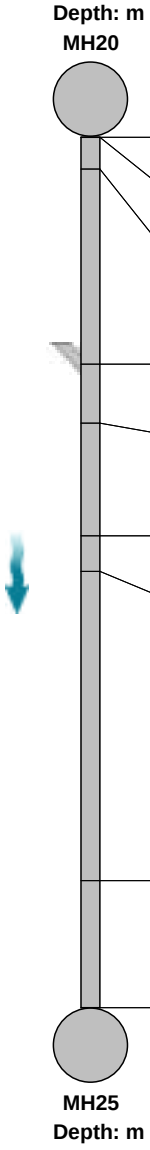
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH20
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	13.70 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	13.70 m	**Downstream Node:**	MH25
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:119



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH20	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension			
0.50	MCCI	Pipe material changes to cast iron at this point	00:00:11	205.jpg	
3.58	JN	Junction at 2 o'clock, 100mm dia: RUNNING	00:00:31	206.jpg	
4.50	WL	Water level, 25% of the vertical dimension	00:00:51		
6.28	CUW	Loss of vision, camera under water	00:01:10		
6.84	OBZ	Other obstacles from 3 o'clock to 9 o'clock, 30% cross-sectional area loss: UNKNOWN (POSS LITTER)	00:01:20	207.jpg	5
11.70	MCVC	Pipe material changes to vitrified clay at this point	00:01:52		
13.70	MHF	Finish node, manhole, reference: MH25	00:02:01	208.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	0.7	10.0	5.0

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Section Pictures - 12/03/2026 - MH20X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
127	Downstream	MH20X		

205.jpg, 00:00:11, 0.50 m
Pipe material changes to cast iron at this point

206.jpg, 00:00:31, 3.58 m
Junction at 2 o'clock, 100mm dia, RUNNING

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Section Pictures - 12/03/2026 - MH20X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
127	Downstream	MH20X		

207.jpg, 00:01:20, 6.84 m
Other obstacles from 3 o'clock to 9 o'clock, 30% cross-sectional area loss, UNKNOWN (POSS LITTER)

208.jpg, 00:02:01, 13.70 m
Finish node, manhole, reference: MH25

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Section Inspection - 12/03/2026 - MH19X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
128	1	12/03/26	15:38	Not Specified	No Rain Or Snow	No	MH19X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Downstream	**Upstream Node:**	MH19
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.22 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	15.00 m	**Downstream Node:**	MH24
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: OVERLAP SURVEY
Recommendations:

Scale: 1:130

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH19	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension			
0.00	DES	Settled deposits, fine, 40% cross-sectional area loss		209.jpg	4
0.22	SA	Survey abandoned: DUE TO HEAVY SILT & DEBRIS	00:00:22		
15.00		End of pipe			

Construction Features — Structural Defects

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

Miscellaneous Features — Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	5.0	0.3	5.0	4.0

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Section Pictures - 12/03/2026 - MH19X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
128	Downstream	MH19X		

209.jpg, 0.00 m
Settled deposits, fine, 40% cross-sectional area loss

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Section Inspection - 12/03/2026 - LAT (A)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
129	1	12/03/26	15:38	Not Specified	No Rain Or Snow	No	LAT (A)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (A)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.20 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.20 m	**Downstream Node:**	MH19
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:54

Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH19	00:00:00		
0.00		WL	Water level, 0% of the vertical dimension			
0.10	S01	DES	Settled deposits, fine, 20% cross-sectional area loss, start	00:00:07	210.jpg	
5.70		FCJ	Fracture, circumferential at joint from 12 o'clock to 12 o'clock	00:00:45	211.jpg	3 / 2
5.97		B	Broken pipe from 12 o'clock to 12 o'clock	00:00:48	212.jpg	4
6.19	F01	DES	Settled deposits, fine, 20% cross-sectional area loss, finish	00:00:53		4
6.20		MHF	Finish node, manhole, reference: LAT (A): GULLY/RWP REACHED (BROKEN ON REST BEND	00:00:53	213.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	80.0	19.4	120.0	4.0	2	6.0	5.8	36.0	5.0

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
129	Upstream	LAT (A)X		

210.jpg, 00:00:07, 0.10 m
Settled deposits, fine, 20% cross-sectional area loss, start

211.jpg, 00:00:45, 5.70 m
Fracture, circumferential at joint from 12 o'clock to 12 o'clock

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Section Pictures - 12/03/2026 - LAT (A)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
129	Upstream	LAT (A)X		

212.jpg, 00:00:48, 5.97 m
Broken pipe from 12 o'clock to 12 o'clock

213.jpg, 00:00:53, 6.20 m
Finish node, manhole, reference: LAT (A), GULLY/RWP REACHED (BROKEN ON REST BEND

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Section Inspection - 12/03/2026 - LAT (B)X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
130	1	12/03/26	15:38	Not Specified	No Rain Or Snow	No	LAT (B)X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	LAT (B)
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	0.44 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	5.00 m	**Downstream Node:**	MH19
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:**	Vitrified clay
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 MH19						
	0.00	MH	Start node, manhole, reference: MH19	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension			
	0.10	DER	Settled deposits, coarse, 80% cross-sectional area loss	00:00:04	299.jpg	5
	0.44	SA	Survey abandoned: DUE TO HEAVY DEBRIS	00:00:08	300.jpg	
	5.00		End of pipe			
LAT (B) Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
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	2.0	10.0	5.0

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Section Pictures - 12/03/2026 - LAT (B)X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
130	Upstream	LAT (B)X		

299.jpg, 00:00:04, 0.10 m
Settled deposits, coarse, 80% cross-sectional area loss

300.jpg, 00:00:08, 0.44 m
Survey abandoned, DUE TO HEAVY DEBRIS

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Section Inspection - 12/03/2026 - GU5X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
131	1	12/03/26	15:38	Not Specified	No Rain Or Snow	No	GU5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
CR	Not Specified	Not Specified	Not Specified	Not Specified	Not Specified

Town or Village:	Horsham	**Inspection Direction:**	Upstream	**Upstream Node:**	GU5
Road:	Greenway - Greenway Junior Scho	**Inspected Length:**	6.74 m	**Upstream Pipe Depth:**	
Location:	Property or buildings	**Total Length:**	6.74 m	**Downstream Node:**	MH19
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:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:59

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH19	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension			
0.61	FS	Fracture, spiral from 12 o'clock to 12 o'clock	00:00:09	214.jpg	4 / 2
1.15	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:12	215.jpg	4
3.82	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:37	216.jpg	2 / 2
6.74	MHF	Finish node, manhole, reference: GU5	00:01:09	217.jpg	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	80.0	13.4	90.0	4.0	3	5.0	1.0	7.0	4.0

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Section Pictures - 12/03/2026 - GU5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
131	Upstream	GU5X		

214.jpg, 00:00:09, 0.61 m
Fracture, spiral from 12 o'clock to 12 o'clock

215.jpg, 00:00:12, 1.15 m
Settled deposits, fine, 20% cross-sectional area loss

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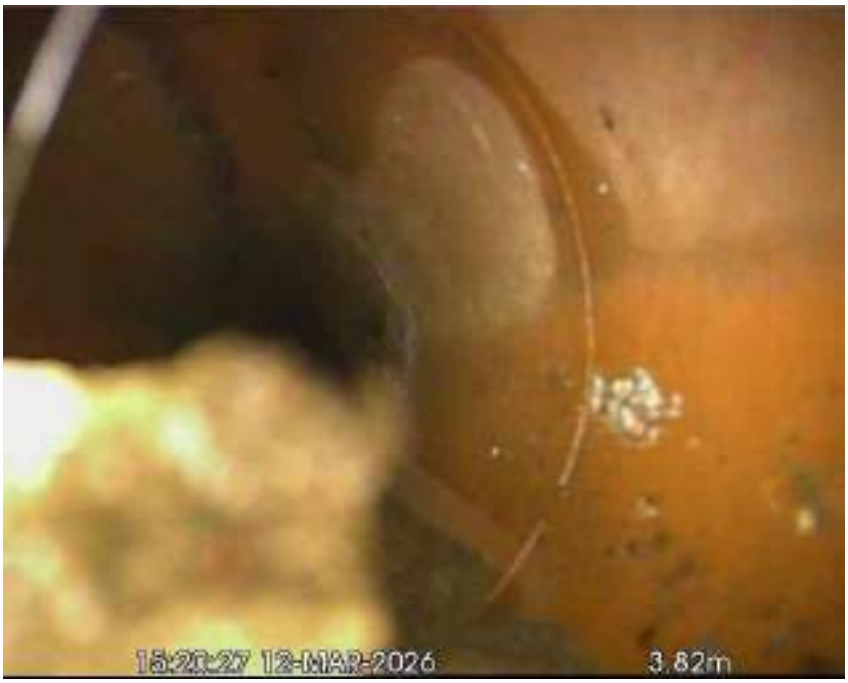
Section Pictures - 12/03/2026 - GU5X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
131	Upstream	GU5X		



216.jpg, 00:00:37, 3.82 m
Crack, circumferential from 12 o'clock to 12 o'clock

217.jpg, 00:01:09, 6.74 m
Finish node, manhole, reference: GU5

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