

Project

Project Name: Sandbarn 1 and 2, Tarporley 29-07-2022

Project Date: 7/29/2022

Inspection Standard: MSCC4 Sewers & Drainage GB (SRM4 Scoring)

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Sandbarn 1 and 2, Tarporley 29-07-2022		7/29/2022

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Project Information

Project Name	Project Number	Project Date
Sandbarn 1 and 2, Tarporley 29-07-2022		7/29/2022

Client

Company: Sandbarn 1 and 2
Street: Rode Street
Town or City: Tarporley
Post Code: CW6 0EF

Manager

Company: Sandbarn 1 and 2
Street: Rode Street
Town or City: Tarporley
Post Code: CW6 0EF

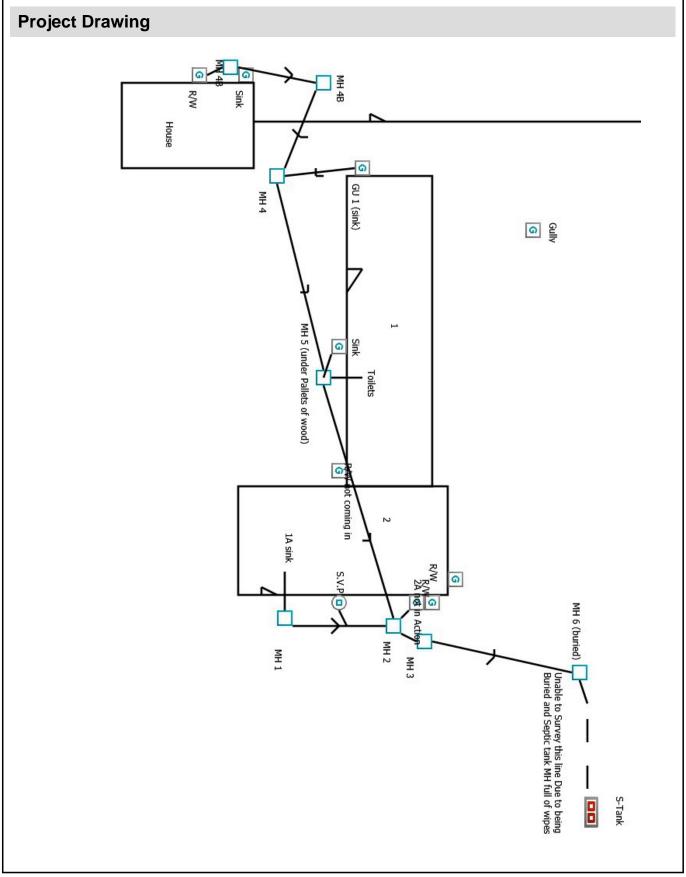
Contractor

Company: Envirocare Northwest

Town or City: Wardle

Phone: 01270759755

Project Information				
Project Name Sandbarn 1 and 2, Tarporley 29-07-2022	Project Number	Project Date 7/29/2022		



Scoring Summary

Project Name	Project Number	Project Date
Sandbarn 1 and 2, Tarporley 29-07-2022	-	7/29/2022

Structural Defects

All inspected pipes are in an acceptable structural condition (< grade 3).

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	
5	GU1X	4	Settled deposits, coarse, 35% cross-sectional area loss	

Abandoned Surveys

Section	PLR	Description
11	S-TankX	Survey abandoned

Information

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

Section Summary					
Project Name	Project Number	Project Date			
Sandbarn 1 and 2, Tarporley 29-07-2022 7/29/2022					

Nu	Number of sections 11					
Тс	Total length of sewer network 95.09 m					
Ins	spected	length	of sewer network		80.37 m	
No	ot inspe	cted ler	ngth of sewer network		14.72 m	
Тс	otal aba	ndoned	l inspections		1	
Νι	ımber o	f section	on inspection photos		12	
Nu	umber o	f section	on inspection videos		11	
Νι	ımber o	f section	on inspection scans		0	
Nu	umber o	f section	on inclination measurements		0	
Di D			1AX	Linetus and Alexie	10	
PLR:	D'			Upstream Node:	1A	
-	tion Direct		Upstream	Downstream Node:	MH 1	
_	ted Lengtl	า:	0.38 m	Dia/Height:	100 mm	
I otal I	_ength:		0.38 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)	
No.	m+	Code	Observation			
1	0.00	МН	Start node type, manhole, reference numb	per: MH 1		
2	0.01	WL	Water level, 5% of the vertical dimension			
3	0.38	LU	Line deviates up			
PLR:			MH 1X	Upstream Node:	MH 1	
_	tion Direct		Downstream	Downstream Node:	MH 2	
-	ted Lengtl	ո։	6.62 m	Dia/Height:	100 mm	
Total I	_ength:		6.62 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)	
No.	m+	Code	Observation			
1	0.00	МН	Start node type, manhole, reference numb	per: MH 1		
2	0.01	WL	Water level, 5% of the vertical dimension			
3	1.63	JN	Junction at 10 o'clock, diameter: 100mm			
4	1.63	JDM	Joint displaced, medium			
5	5.95	JDM	Joint displaced, medium			
6	6.62	MHF	Finish node type, manhole, reference num	nber: MH 2		
PLR:			MH 2X	Unstream Node:	MH 2	
·				MH 3		
•	Inspection Direction: Downstream Downstream Node: MH 3 Inspected Length: 1.44 m Dia/Height: 100 mm					
_	Total Length: 1.44 m Pipe Material: Vitrified clay pipe (i.e. all clayware)					
No. m+ Code Observation						
1	0.00	MH	Start node type, manhole, reference number: MH 2			
2	0.01	WL	Water level, 5% of the vertical dimension			

Section Summary

Project Name	Project Number	Project Date
Sandbarn 1 and 2, Tarporley 29-07-2022		7/29/2022

	Sandbarn 1 and 2, Tarporley 29-07-2022 Project Number Project Date 7/29/2022							
No.	m+	Code	Observation					
3	0.96	JDM	Joint displaced, medium					
4	0.96	MCPVC	Material changes to polyvinyl chloride					
5	1.15	LL	Line deviates left					
6	1.44	MHF	Finish node type, manhole, reference nur	nber: MH 3				
			21 / /					
PLR:			2AX	Upstream Node:	2A			
-	tion Direc		Upstream	Downstream Node:	MH 2			
_	ted Lengtl _ength:	n:	0.57 m 0.57 m	Dia/Height: Pipe Material:	100 mr			
		0.4.		ripe material.	vitillet	d clay pipe (i.e. all clayware)		
No.	m+	Code	Observation					
1	0.00	MH	Start node type, manhole, reference num	ber: MH 2				
2	0.01	WL	Water level, 5% of the vertical dimension					
3	0.20	DES	Settled deposits, fine, 25% cross-sections	al area loss				
4	0.28	JDM	Joint displaced, medium					
5	0.57	LD	Line deviates down					
PLR:			GU1X	Upstream Node:	GU1			
	tion Direc	tion:	Upstream	Downstream Node:	MH 4			
•	ted Lengtl		7.68 m	Dia/Height:	100 mr	m		
-	_ength:		7.68 m	Pipe Material:	Vitrified	d clay pipe (i.e. all clayware)		
No.	m+	Code	Observation					
1	0.00	МН	Start node type, manhole, reference num	ber: MH 4				
2	0.01	WL	Water level, 5% of the vertical dimension					
3	0.10	LR	Line deviates right					
4	0.67	RF	Roots, fine					
5	4.32	DES	Settled deposits, fine, 15% cross-sections	al area loss				
6	4.32	JDM	Joint displaced, medium					
7	4.32	RFJ	Roots, fine at joint					
8	5.08	DER	Settled deposits, coarse, 35% cross-secti	onal area loss				
9	7.68	GYF	Finish node type, gully, reference number	:: GU1				
D: D			447		4.4			
PLR:	tion Direct	tion:	4AX Upstream	Upstream Node: Downstream Node:	4A MH 4			
Inspection Direction: Inspected Length:			8.73 m	Dia/Height:	100 mr	n		
-	_ength:		8.73 m	Pipe Material:		d clay pipe (i.e. all clayware)		
No.	m+	Code	Observation	, p				
1	0.00	MH	Start node type, manhole, reference number	ber: MH 4				
2	0.01	WL	Water level, 5% of the vertical dimension					
3	1.72	LL	Line deviates left					
4	6.04	LR	Line deviates right					
5	8.73	MHF	Finish node type, manhole, reference nur	nber: 4A				
PLR:			4BX	Upstream Node:	4B			
•	tion Direc		Upstream	Downstream Node:	4A			
-	ted Lengtl	h:	4.57 m	Dia/Height:	100 mr			
Total L	_ength:		4.57 m	Pipe Material:	Vitrified	d clay pipe (i.e. all clayware)		
			. 20. 07. 2022			D.F		

Section Summary

Project Name	Project Number	Project Date
Sandbarn 1 and 2, Tarporley 29-07-2022		7/29/2022

	Sa	ndbarn 1 a	and 2, Tarporley 29-07-2022	Project Number	7/29/2022							
No.	m+	Code	Observation									
1	0.00	МН	Start node type, manhole, reference numb	per: 4A								
2	0.01	WL	Water level, 5% of the vertical dimension	ater level, 5% of the vertical dimension								
3	3.28	JN	Junction at 10 o'clock, diameter: 100mm	nction at 10 o'clock, diameter: 100mm								
4	4.57	MHF	Finish node type, manhole, reference num	nber: 4B								
PLR:			MH 4X		MH 4							
-	tion Direct		Downstream 10.51 m									
_	tea Lengti Length:	1.	10.51 m	3	100 mm /itrified clay pine	(i.e. all clayware)						
No.		Code	Observation	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
	m+											
1	0.00	МН	Start node type, manhole, reference numb	per: MH 4								
2	0.01	WL	Water level, 5% of the vertical dimension									
3	0.87	WL	Water level, 10% of the vertical dimension	1								
4	1.92	JDM	Joint displaced, medium									
5	8.64	JDM	Joint displaced, medium									
6	10.20	WL	Water level, 20% of the vertical dimension	1								
7	10.51	MHF	Finish node type, manhole, reference num	nber: MH 5								
PLR:			MH 5X	Upstream Node:	MH 5							
Inspec	tion Direct	tion:	Downstream	Downstream Node: MH 2								
-	ted Length	า:	10.55 m	Dia/Height:	100 mm							
Total L	ength:		10.55 m	Pipe Material:	Vitrified clay pipe	e (i.e. all clayware)						
No.	m+	Code	Observation									
1	0.00	МН	Start node type, manhole, reference numb	per: MH 5								
2	0.01	WL	Water level, 30% of the vertical dimension	1								
3	0.09	JDM	Joint displaced, medium									
4	2.26	JN	Junction at 3 o'clock, diameter: 100mm									
5	2.78	JDM	Joint displaced, medium									
6	8.56	WL	Water level, 10% of the vertical dimension	1								
7	10.55	MHF	Finish node type, manhole, reference num	nber: MH 2								
PLR:			MH 3X	Upstream Node:	MH 3							
	tion Direct	tion:	Downstream		S-Tank							
Inspec	ted Length	ո։	29.04 m	Dia/Height:	150 mm							
Total L	ength:		29.04 m	Pipe Material:	Polyvinyl chloride	е						
No.	m+	Code	Observation									
1	0.00	МН	Start node type, manhole, reference numb	per: MH 3								
2	0.01	WL	Water level, 5% of the vertical dimension									
3	3.26	WL	Water level, 10% of the vertical dimension	1								
4	8.36	WL	Water level, 5% of the vertical dimension									
5	12.94	WL	Water level, 10% of the vertical dimension	1								
6	15.23	JDM	Joint displaced, medium									
7	19.92	WL	Water level, 5% of the vertical dimension									
8	28.53	SC	Size changes, new size(s), 100mm high									
9	29.04	MHF	Finish node type, manhole, reference num	nber: S-Tank								
		·	•									

Section Summary Project Name Sandbarn 1 and 2, Tarporley 29-07-2022 Project Number Project Number Project Number Project Date 7/29/2022

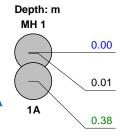
PLR:			S-TankX Upstream Node		S-Tank				
Inspec	tion Direc	tion:	Downstream	Downstream Node:	Outfall				
Inspec	ted Lengtl	h:	0.28 m	Dia/Height:	100 mm				
Total Length: 15.00 m				Pipe Material:	Polyvinyl chloride				
No.	m+	Code	Observation	Observation					
1	0.00	МН	Start node type, manhole, reference numb	per: S-Tank					
2	0.01	WL	Water level, 5% of the vertical dimension						
3	0.10	DER	Settled deposits, coarse, 70% cross-section	Settled deposits, coarse, 70% cross-sectional area loss					
4	0.28	SA	Survey abandoned						

Section Inspection - 7/29/2022 - 1AX Time Client`s Job Ref Weather Date Pre Cleaned Section Inspection PLR 29/07/22 16:03 No Rain Or Snow Not Specified Not Specified 1AX Alternative ID Operator Vehicle Camera Preset Length Legal Status VEHICLE 1 Not Specified Not Specified Not Specified Dylan Camera 1

Town or Village:		Inspection Direction:	Upstream	Upstream Node: 1A
Road:		Inspected Length:	0.38 m	Upstream Pipe Depth:
Location:		Total Length:	0.38 m	Downstream Node: MH 1
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:				

Comments: Recommendations:

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



MH Start node type, manhole, reference number: MH

WL Water level, 5% of the vertical dimension

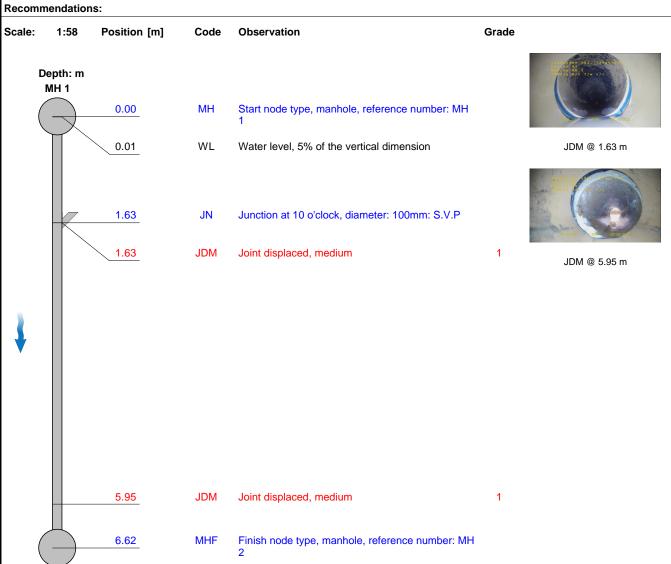
LU Line deviates up: Sink

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	0.0	0 0.0 0.0 0.0				0.0	

	Section Inspection - 7/29/2022 - MH 1X										
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR				
2	2	29/07/22	16:06	Not Specified	No Rain Or Snow	Not Specified	MH 1X				
Оре	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID				
Dylan VEHICLE 1			CLE 1	Camera 1	Not Specified	Not Specified	Not Specified				

Town or Village:		Inspection Direction:	Downstream	Upstream Node: MH 1
Road:		Inspected Length:	6.62 m	Upstream Pipe Depth:
Location:		Total Length:	6.62 m	Downstream Node: MH 2
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to dete	rmine asset condition	Lining Material:	No Lining
Comments:			•	



	Construction Features					Misc	ellaneous Feat	tures	
	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	2 1.0 0.3 2.0 1.0					0.0	0.0	0.0	1.0

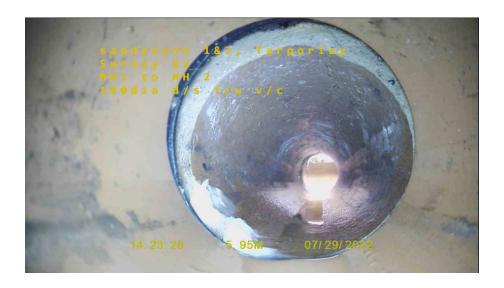
MH 2 Depth: m

Section Pictures - 7/29/2022 - MH 1X

Section	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Downstream	MH 1X		



MH 1X_1e856d60-60ba-4474-a598-72f01a6bfee4_20220729_160936_853.jpg, 00:00:30, 1.63 $\,$ m $\,$ Joint displaced, medium



MH 1X_0023ac56-a4f5-4e78-a38b-39d076f0cd99_20220729_161027_832.jpg, 00:01:08, 5.95 $\,$ m $\,$ Joint displaced, medium

	Section Inspection - 7/29/2022 - MH 2X									
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR			
3	3	29/07/22	16:10	Not Specified	No Rain Or Snow	Not Specified	MH 2X			
Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID					
							Not Specified			

Town or Village:		Inspection Direction:	Downstream	Upstream Node: MH 2
Road:		Inspected Length:	1.44 m	Upstream Pipe Depth:
Location:		Total Length:	1.44 m	Downstream Node: MH 3
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:			•	

Recommendations:

1:50

Position [m]

0.96

0.96

1.15

1.44

Code

JDM

Scale:

Depth: m
MH 2

0.00

MH Start node type, manhole, reference number: MH
2

0.01

WL Water level, 5% of the vertical dimension

JDM @ 0.96 m

Observation

Joint displaced, medium 1

Grade

MCPVC Material changes to polyvinyl chloride

LL Line deviates left

MHF Finish node type, manhole, reference number: MH 3

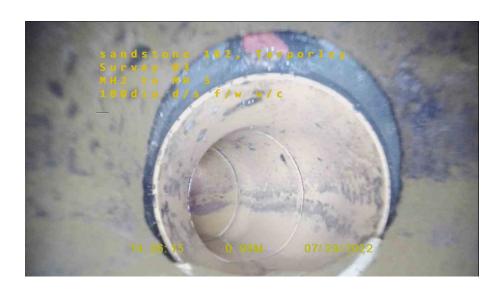
Depth: m

MH 3

	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	0.9	1.0	1.0	0 0.0 0.0 0.0				1.0	

Section Pictures - 7/29/2022 - MH 2X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor`s Job Ref
3	Downstream	MH 2X		



MH 2X_ee084e23-5be9-4afd-8df4-13e92c44d8c0_20220729_161306_891.jpg, 00:00:17, 0.96 m Joint displaced, medium

Section Inspection - 7/29/2022 - 2AX

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	4	29/07/22	16:14	Not Specified	No Rain Or Snow	Not Specified	2AX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
D _\	/lan	VEHI	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified

Town or Village:		Inspection Direction:	Upstream	Upstream Node: 2A
Road:		Inspected Length:	0.57 m	Upstream Pipe Depth:
Location:		Total Length:	0.57 m	Downstream Node: MH 2
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to deter	mine asset condition	Lining Material:	No Lining

Comments: Recommendations:

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



Depth: m

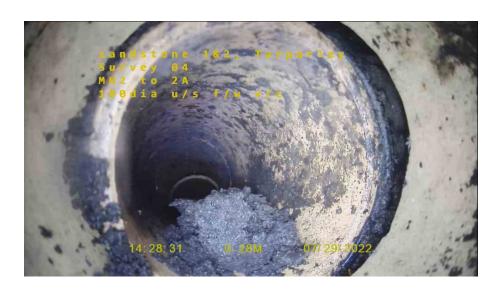
101	N 8 2 2 0 2	15 1/16 0			
1	1				***
-	4.5			1	1
	14: 28: 31	a dom	ini 29(3)	12	500

JDM @ 0.28 m

	Cor	struction Feat	ures		Miscellaneous Features				
	S	tructural Defec	ts		Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def SER Peak SER Mean SER Total SER			SER Grade	
0	0.0	0.0	0.0	0.0	0 0.0 0.0 0.0				0.0

Section Pictures - 7/29/2022 - 2AX

Section	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Unstream	2ΔX		



2AX_b9eef41d-b704-432d-9a8f-ce02de6b06b7_20220729_161632_476.jpg, 00:00:12, 0.28 m Joint displaced, medium

	Section Inspection - 7/29/2022 - GU1X							
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR	
5	5	29/07/22	16:17	Not Specified	No Rain Or Snow	Not Specified	GU1X	
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID	
Dy	/lan	VEHIC	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified	

Town or Village:	_	Inspection Direction:	Upstream	Upstream Node: GU1
Road:		Inspected Length:	7.68 m	Upstream Pipe Depth:
Location:		Total Length:	7.68 m	Downstream Node: MH 4
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to dete	rmine asset condition	Lining Material:	No Lining
Comments:			•	

Recommendations:

Recon	nmendatio	ns:				
Scale:	1:67	Position [m]	Code	Observation	Grade	
	Depth: m MH 4	0.00	МН	Ctart made time, manhala, reference gumber MIL		
	$\langle \chi \rangle$	0.00	IVIT	Start node type, manhole, reference number: MH 4	ı	14:45:51 P1 5W B1/2W/2022
		0.01	WL	Water level, 5% of the vertical dimension		DES @ 4.32 m
		0.10	LR	Line deviates right		
		0.67	RF	Roots, fine	2	14.40 () () () () () () () () () (
						JDM @ 4.32 m
†		4.00	DEO			
		4.32	DES	Settled deposits, fine, 15% cross-sectional area loss	3	RFJ @ 4.32 m
		4.32	JDM	Joint displaced, medium	1	N J & 4.32 III
		4.32	RFJ	Roots, fine at joint	2	
		5.08	DER	Settled deposits, coarse, 35% cross-sectional area loss	4	47.01 2 (44.) 47.227
						DER @ 5.08 m
	GU1	7.68	GYF	Finish node type, gully, reference number: GU1		
	301					

	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			SER Grade	
1	1.0	0.2	1.0	1.0					4.0

Depth: m

Section Pictures - 7/29/2022 - GU1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor`s Job Ref
5	Unstream	GU1X		



 $\label{eq:GU1X_159935f1-e943-4bbf-917c-08b571e269dc_20220729_162028_195.jpg, 00:00:37, 4.32 \\ m$ Settled deposits, fine, 15% cross-sectional area loss



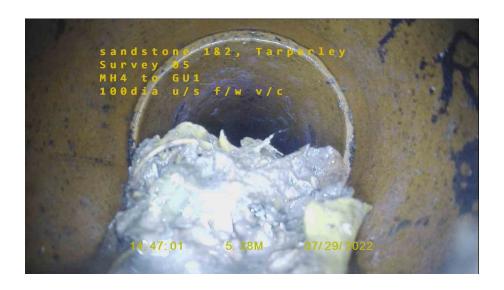
 $\label{eq:GU1X_337aec0a-ce45-4485-b1ab-c49e8cc39dd0_20220729_162038_416.jpg,\ 00:00:37,\ 4.32 \\ m \\ Joint \ displaced, \ medium$

Section Pictures - 7/29/2022 - GU1X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor`s Job Ref
5	Unstream	GU1X		



 $\label{eq:GU1X_78412ee0-7ada-4252-87ba-8e5fa5d03b40_20220729_162056_784.jpg,~00:00:37,~4.32 \\ m \\ Roots, fine~at~joint$



 $\label{eq:GU1X_2e384199-7d52-425a-81c6-0adef25e5c91_20220729_162546_858.jpg,\ 00:00:45,\ 5.08\\ m\\$ Settled deposits, coarse, 35% cross-sectional area loss

Section Inspection - 7/29/2022 - 4AX								
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR	
6	6	29/07/22	16:26	Not Specified	No Rain Or Snow	Not Specified	4AX	
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID	
Dy	/lan	VEHIC	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified	

Town or Village:		Inspection Direction:	Upstream	Upstream Node: 4A
Road:		Inspected Length:	8.73 m	Upstream Pipe Depth:
Location:		Total Length:	8.73 m	Downstream Node: MH 4
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:			1	

Recommendations: Scale: Code Observation 1:76 Position [m] Grade Depth: m MH 4 Start node type, manhole, reference number: MH 4: Root fine in MH 0.00 MH 0.01 WLWater level, 5% of the vertical dimension 1.72 LL Line deviates left 6.04 LR Line deviates right Finish node type, manhole, reference number: 4A: MH from 3rd Property coming in 8.73 MHF Depth: m

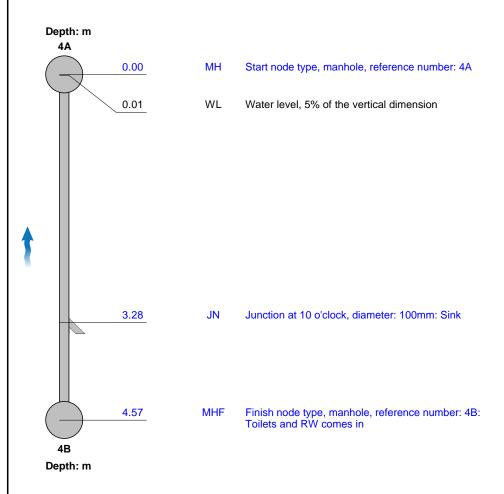
	Construction Features					Miscellaneous Features				
	Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade	
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0	

			Secti	on Inspection	n - 7/29/2022 -	4 B X	
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	7	29/07/22	16:30	Not Specified	No Rain Or Snow	Not Specified	4BX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
Dy	/lan	VEHIC	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified

Town or Village:		Inspection Direction:	Upstream	Upstream Node: 4B
Road:		Inspected Length:	4.57 m	Upstream Pipe Depth:
Location:		Total Length:	4.57 m	Downstream Node: 4A
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:			1	

Recommendations:

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



	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	

			Sectio	n Inspection	- 7/29/2022 - N	ИН 4X	
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	8	29/07/22	16:34	Not Specified	No Rain Or Snow	Not Specified	MH 4X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
Dy	⁄lan	VEHIC	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified

Town or Village:		Inspection Direction:	Downstream	Upstream Node: MH 4
Road:		Inspected Length:	10.51 m	Upstream Pipe Depth:
Location:		Total Length:	10.51 m	Downstream Node: MH 5
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:			•	

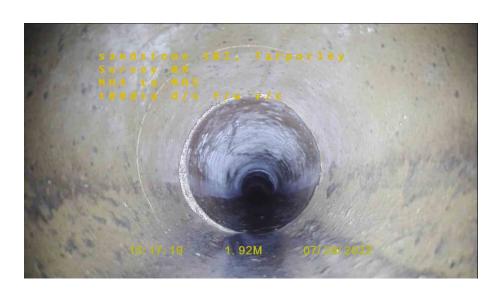
Comments: Recommendations:

Scale: 1:92 Position [m] Code Observation Grade Depth: m MH 4 Start node type, manhole, reference number: MH 4: Roots Fine in MH 0.00 MH 0.01 WLWater level, 5% of the vertical dimension JDM @ 1.92 m 0.87 WLWater level, 10% of the vertical dimension JDM 1.92 Joint displaced, medium JDM @ 8.64 m 8.64 JDM Joint displaced, medium 10.20 WLWater level, 20% of the vertical dimension 10.51 MHF Finish node type, manhole, reference number: MH MH 5 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	0.2	2.0	1.0	0	0.0	0.0	0.0	1.0	

Section Pictures - 7/29/2022 - MH 4X

Section	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
8	Downstream	MH 4X		



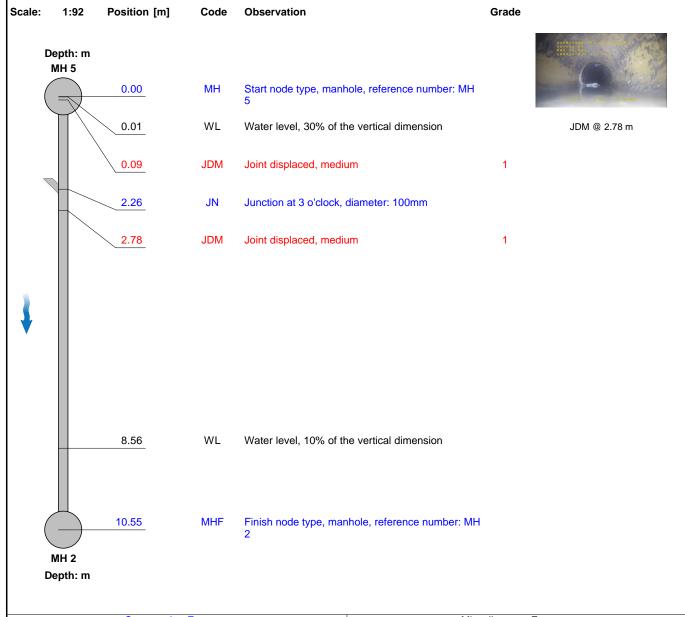


MH 4X_f9567e28-1b8f-4a3b-948b-f87abbf7b12a_20220729_163710_765.jpg, 00:01:00, 8.64 m Joint displaced, medium

			Sectio	n Inspection	- 7/29/2022 - 1	MH 5X	
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	9	29/07/22	16:46	Not Specified	No Rain Or Snow	Not Specified	MH 5X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
Dy	/lan	VEHI	CLE 1	Camera 1	Not Specified	Not Specified	Not Specified

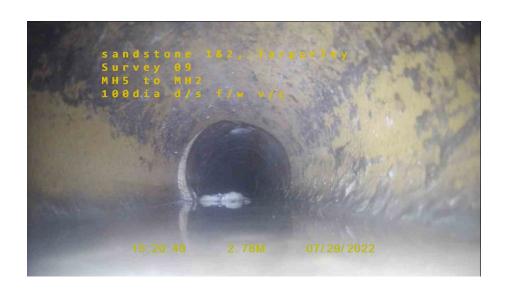
Town or Village:		Inspection Direction:	Downstream	Upstream Node: MH 5
Road:		Inspected Length:	10.55 m	Upstream Pipe Depth:
Location:		Total Length:	10.55 m	Downstream Node: MH 2
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:
Use:	Foul		Pipe Shape:	Circular
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm
Year Constructed:			Pipe Material:	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control		Lining Type:	No Lining
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining
Comments:			'	

Comments: Recommendations:



Section Pictures - 7/29/2022 - MH 5X

Section	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Downstream	MH 5X		



MH 5X_ab7737c4-07ad-46a8-9165-6def9d88c074_20220729_165107_540.jpg, 00:01:07, 2.78 $\,$ m $\,$ Joint displaced, medium

Section Inspection - 7/29/2022 - MH 3X									
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR		
10	10	29/07/22 16:53		Not Specified	No Rain Or Snow	Not Specified	MH 3X		
Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID				
Dy	Dylan VEHICLE 1		Camera 1	Not Specified	Not Specified	Not Specified			

	Inspection Direction:	Downstream	Upstream Node:	MH 3	
	Inspected Length:	29.04 m	Upstream Pipe Depth:		
	Total Length:	29.04 m	Downstream Node:	S-TANK	
	Joint Length:	0.00 m	Downstream Pipe Depth:		
Foul		Pipe Shape:	Circular		
Gravity drain/sewer		Dia/Height:	150 mm		
		Pipe Material:	Polyvinyl chloride		
No flow control		Lining Type:	No Lining		
Sample survey to dete	rmine asset condition	Lining Material:	No Lining		
	Gravity drain/sewer No flow control	Inspected Length: Total Length: Joint Length: Gravity drain/sewer	Foul Pipe Shape: Gravity drain/sewer No flow control Dial Length: 29.04 m 0.00 m Pipe Shape: Dia/Height: Pipe Material: Lining Type:	Inspected Length: 29.04 m Upstream Pipe Depth: Total Length: 29.04 m Downstream Node: Joint Length: 0.00 m Downstream Pipe Depth: Foul Pipe Shape: Circular Gravity drain/sewer Dia/Height: 150 mm Pipe Material: Polyvinyl chloride No flow control Lining Type: No Lining	

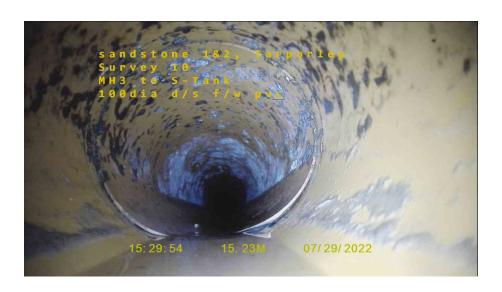
Comments: Recommendations:

Scale: 1:253 Position [m] Code Observation Grade Depth: m MH 3 Start node type, manhole, reference number: MH 3 0.00 МН 0.01 WL Water level, 5% of the vertical dimension JDM @ 15.23 m 3.26 WL Water level, 10% of the vertical dimension WL Water level, 5% of the vertical dimension 8.36 12.94 WL Water level, 10% of the vertical dimension 15.23 **JDM** Joint displaced, medium 19.92 WL Water level, 5% of the vertical dimension 28.53 SC Size changes, new size(s), 100mm high Finish node type, manhole, reference number: S-Tank: Comes in on Side Branch 29.04 MHF S-Tank Depth: m

	Construction Features				Miscellaneous Features				
Structural Defects				Service & Operational Observations					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	e SER No. Def SER Peak SER Mean SER Total SE				SER Grade
1	1.0	0.0	1.0	1.0	0 0.0 0.0 0.0				

Section Pictures - 7/29/2022 - MH 3X

Section	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Downstream	MH 3X		



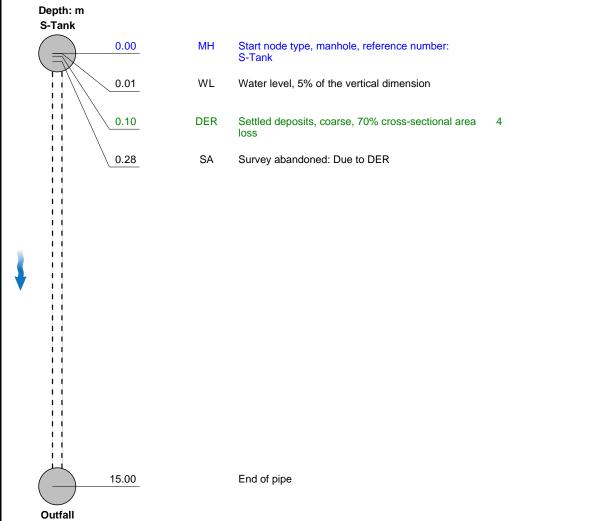
MH 3X_2cc578d8-d750-4956-a6d5-318fa0867966_20220729_170813_886.jpg, 00:01:38, 15.23 m Joint displaced, medium

	Section Inspection - 7/29/2022 - S-TankX									
Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR			
11	11	29/07/22	17:24	Not Specified	No Rain Or Snow	Not Specified	S-TANKX			
Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID					
Dy	Dylan VEHICLE 1		Camera 1	Not Specified	Not Specified	Not Specified				

Town or Village:		Inspection Direction:	Downstream	Upstream Node:	S-TANK	
Road:		Inspected Length:	0.28 m	Upstream Pipe Depth:		
Location:		Total Length:	15.00 m	Downstream Node:	OUTFALL	
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:		
Use:	Foul		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm		
Year Constructed:			Pipe Material:	Polyvinyl chloride		
Flow Control:	No flow control		Lining Type:	No Lining		
Inspection Purpose:	Sample survey to deter	rmine asset condition	Lining Material:	No Lining		
Comments:			•			

Comments: Recommendations:

Scale: 1:131 Position [m] Code Observation Grade



	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 80.0 8.0				

Depth: m