

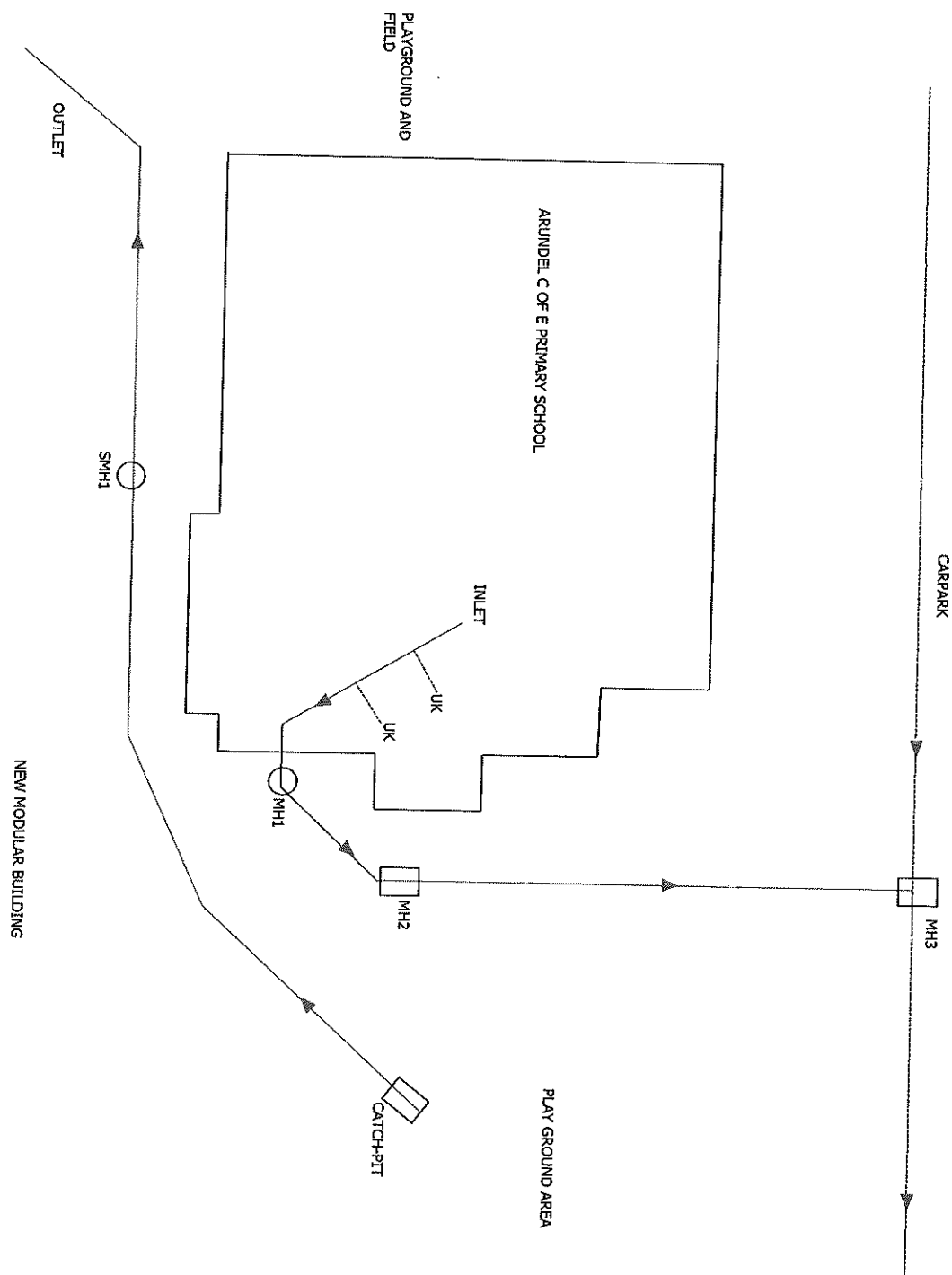
Project Information

Project Name
Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT

Project Number

Project Date
18/06/2020

Project Drawing, Page Arundel C Of E Primary School, Jarvis Road, Arundel



Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT

P-3



The Drain Guys Ltd
Oddstones, Codmore Hill, Pulborough
Tel. 07703193746
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Project Information

Project Name	Project Number	Project Date
Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT		18/06/2020

Project Summary

The survey was carried out to ascertain condition and connectivity to gain information for a new connection.

The subject area is served by separate Foul and Surface Water systems, the pipework is made up of 100mm Polyvinyl Chloride material.

The Foul Water system was observed to be in a serviceable condition with no significant debris that will obstruct flow.

The surface Water system has a high build up of silt. Debris and water level. A combination of High-Pressure Water Jetting and Vacuum is required to restore and maintain flow.

Recommendations

Surface Water System - To attend site with a Jet Vac Combination Unit to clean and clear the pipework.



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Project Pictures

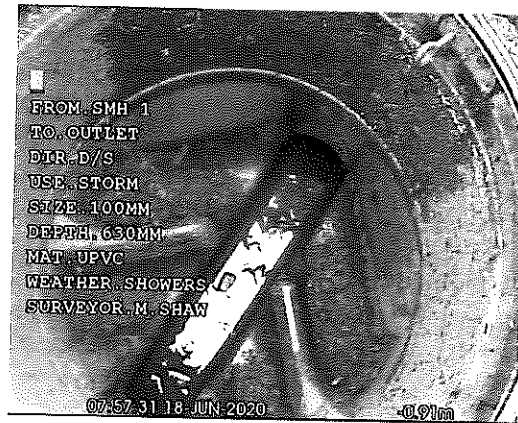
Project Name
Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT

Project Number

Project Date
18/06/2020



FMH1



SMH1



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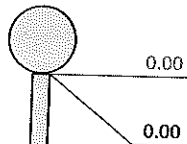
Section Inspection - 18/06/2020 - FMH1X

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
1	1	18/06/20	22:29	Not Specified	No Rain Or Snow	No	FMH1X
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID		
MARTIN SHAW	VAN PACK	Push Cam	Not Specified	Not Specified	Not Specified		

Town or Village:	Arundel	Inspection Direction:	Downstream	Upstream Node:	FMH1
Road:	Jarvis Road	Inspected Length:	3.99 m	Upstream Pipe Depth:	0.550 m
Location:	Property or buildings	Total Length:	3.99 m	Downstream Node:	FMH2
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	The pipework is serviceable and free flowing				
Recommendations:	None				

Scale: 1:50 Position [m] Code Observation

Depth: 0.55 m
FMH1



WL Water level, 5% of the vertical dimension

MH Start node type, manhole, reference number: FMH1

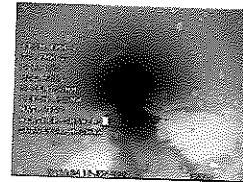
LL Line deviates left

MHF Finish node type, manhole, reference number: FMH2

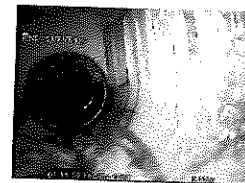
FMH2

Depth: m

Grade



MH @ 0.00 m



MHF @ 3.99 m

Construction Features
Structural Defects

Miscellaneous Features

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

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



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Section Pictures - 18/06/2020 - FMH1X

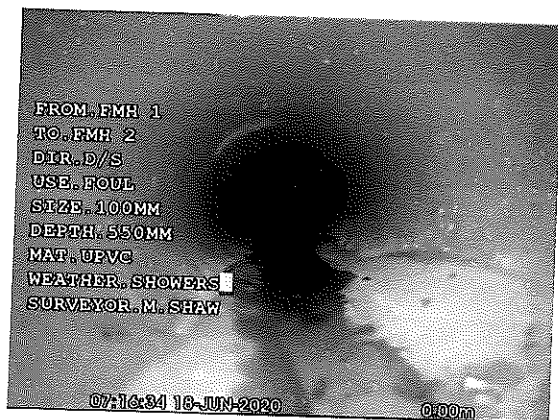
Section
1

Inspection Direction
Downstream

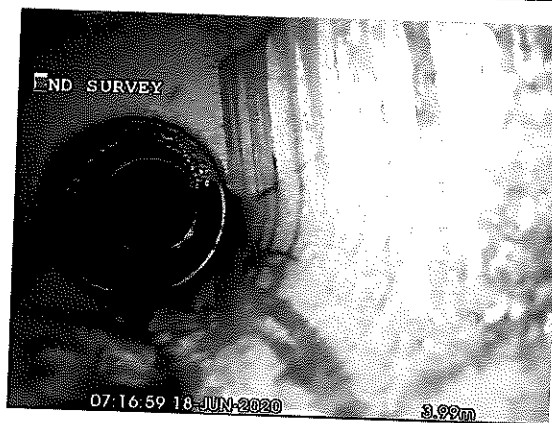
PLR
FMH1X

Client's Job Ref

Contractor's Job Ref



FMH1X_b163c916-7e31-42a6-ba91-b6794ae87655_20200623_223108_156.jpg, 00:00:00, 0.00 m
Start node type, manhole, reference number: FMH1



FMH1X_bb0041df-852f-45a4-b1b8-91a6a51cf6e2_20200623_223147_817.jpg, 00:00:27, 3.99 m
Finish node type, manhole, reference number: FMH2



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Section Inspection - 18/06/2020 - FMH2X

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	18/06/20	22:32	Not Specified	No Rain Or Snow	No	FMH2X
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID		
MARTIN SHAW	VAN PACK	Push Cam	Not Specified	Not Specified	Not Specified		

Town or Village:	Arundel	Inspection Direction:	Downstream	Upstream Node:	FMH2
Road:	Jarvis Road	Inspected Length:	31.39 m	Upstream Pipe Depth:	0.550 m
Location:	Property or buildings	Total Length:	31.39 m	Downstream Node:	FMH3
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Pipework is serviceable and free flowing				
Recommendations:	None				

Scale: 1:273 Position [m] Code Observation

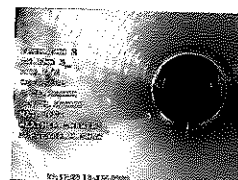
Depth: 0.55 m
FMH2



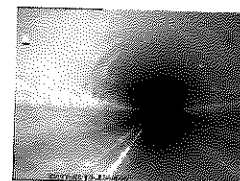
0.00	WL	Water level, 5% of the vertical dimension
0.00	MH	Start node type, manhole, reference number: FMH2
1.26	GP	General photograph taken at this point
6.11	GP	General photograph taken at this point
8.04	JN	Junction at 9 o'clock, diameter: 100mm
11.36	GP	General photograph taken at this point
17.74	GP	General photograph taken at this point
31.39	MHF	Finish node type, manhole, reference number: FMH3

FMH3
Depth: m

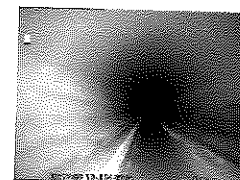
Grade



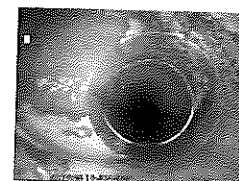
MH @ 0.00 m



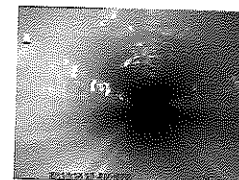
GP @ 1.26 m



GP @ 6.11 m



JN @ 8.04 m



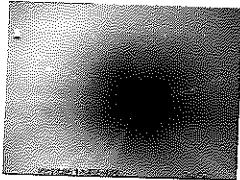
GP @ 11.36 m



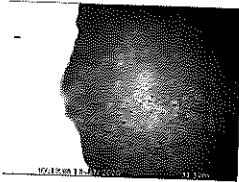
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Section Inspection - 18/06/2020 - FMH2X

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	18/06/20	22:32	Not Specified	No Rain Or Snow	No	FMH2X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
MARTIN SHAW		VAN PACK		Push Cam	Not Specified	Not Specified	Not Specified



GP @ 17.74 m



MHF @ 31.39 m

Construction Features Structural Defects

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

Miscellaneous Features

Service & Operational Observations

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



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Section Pictures - 18/06/2020 - FMH2X

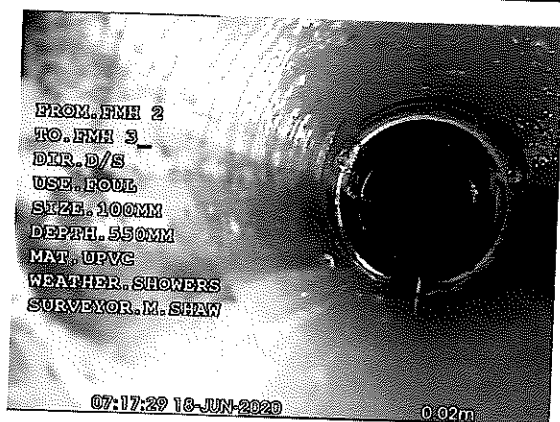
Section
2

Inspection Direction
Downstream

PLR
FMH2X

Client's Job Ref

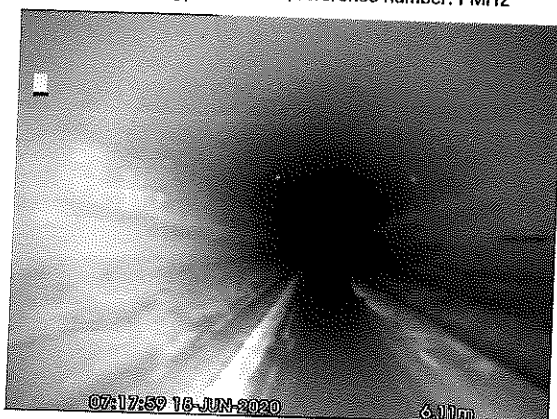
Contractor's Job Ref



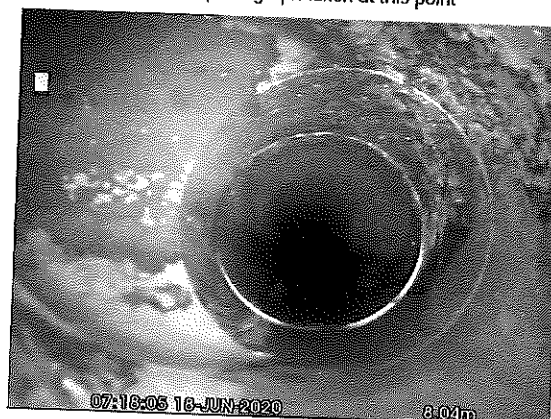
FMH2X_fb5dbfa7-1903-486e-8f8a-8875b451838e_20200623_223308_255.jpg, 00:00:00, 0.00 m
Start node type, manhole, reference number: FMH2



FMH2X_4559b12a-3752-4c9e-bd16-ed36d03d6548_20200623_223324_372.jpg, 00:00:13, 1.26 m
General photograph taken at this point



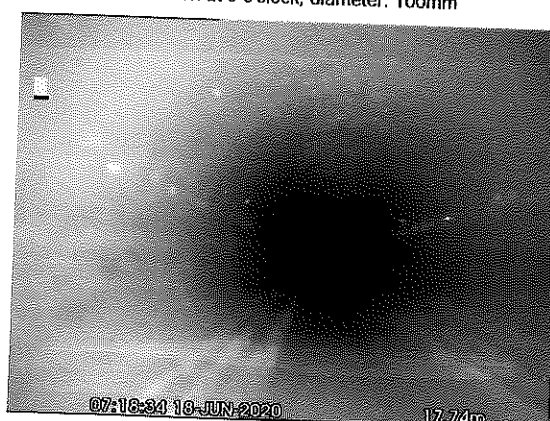
FMH2X_2cd211bb-6d9a-4c46-8008-3bb5ce64de8c_20200623_223558_959.jpg, 00:00:31, 6.11 m
General photograph taken at this point



FMH2X_4ca5e57d-0c62-44a9-b624-6456d05c8a09_20200623_223629_510.jpg, 00:00:37, 8.04 m
Junction at 9 o'clock, diameter: 100mm



FMH2X_357a90a0-b308-415b-8038-3fdbd615e48e_20200623_223647_295.jpg, 00:00:48, 11.36 m
General photograph taken at this point



FMH2X_9c9d85a8-e7a3-4b4a-bde1-b456bc4cf936_20200623_223718_360.jpg, 00:01:06, 17.74 m
General photograph taken at this point

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Section Pictures - 18/06/2020 - FMH2X

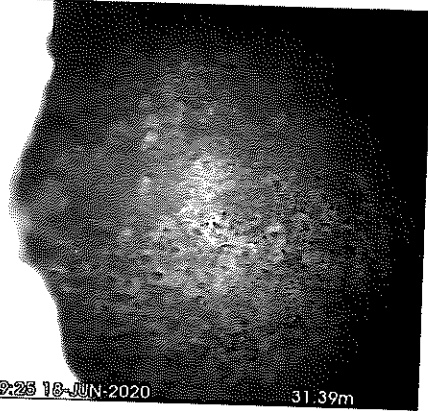
Section
2

Inspection Direction
Downstream

PLR
FMH2X

Client's Job Ref

Contractor's Job Ref



07:19:25 18-JUN-2020

31.39m

FMH2X_0ed06ea7-e844-4a07-bad2-7e71122d3def_20200623
_223831_029.jpg, 00:01:58, 31.39 m
Finish node type, manhole, reference number: FMH3

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



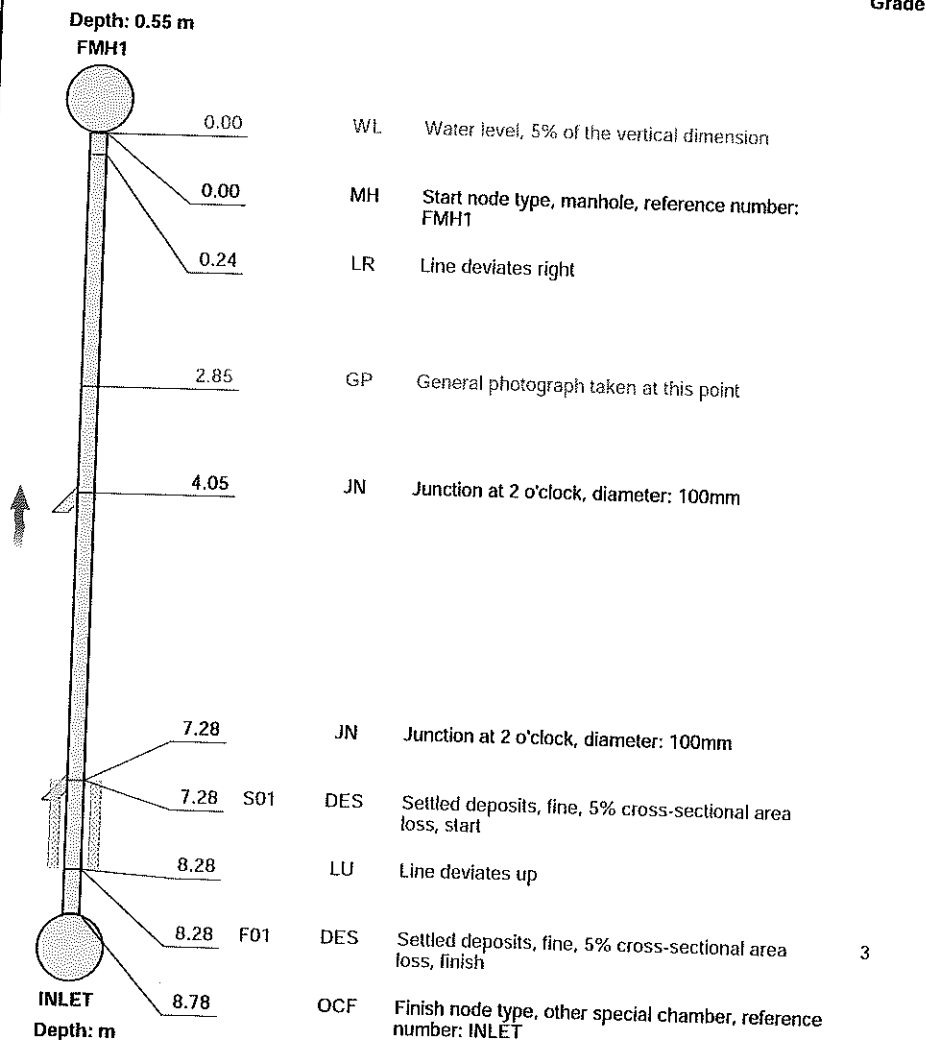
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Section Inspection - 18/06/2020 - INLET X

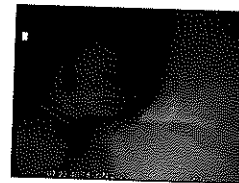
Section 3	Inspection 1	Date 18/06/20	Time 22:39	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR INLET X
Operator MARTIN SHAW	Vehicle VAN PACK			Camera Push Cam	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village:	Arundel	Inspection Direction:	Upstream	Upstream Node:	INLET
Road:	Jarvis Road	Inspected Length:	8.78 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	8.78 m	Downstream Node:	FMH1
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.550 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Pipework is serviceable with no major debris build up				
Recommendations:	None				

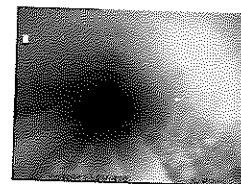
Scale: 1:77 Position [m] Code Observation



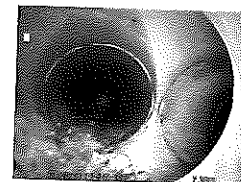
Grade



MH @ 0.00 m



GP @ 2.85 m



JN @ 7.28 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	0.0	2.0	3.0
Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT											

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



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Section Pictures - 18/06/2020 - INLET X

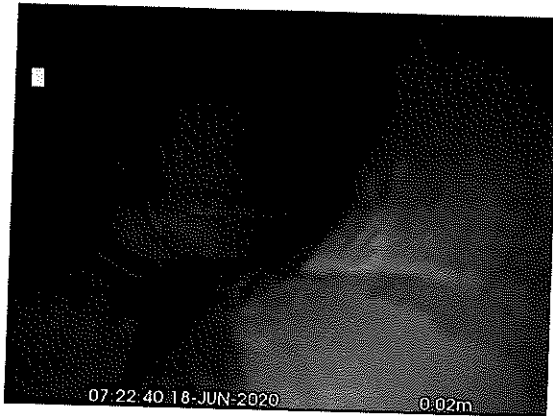
Section
3

Inspection Direction
Upstream

PLR
INLET X

Client's Job Ref

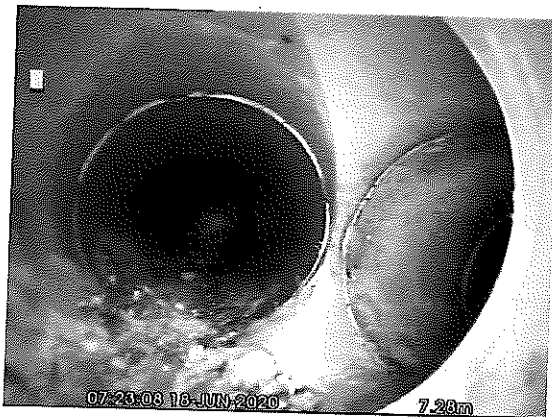
Contractor's Job Ref



INLET
X_49f24b4a-4389-4020-bd87-cc2dd085bbf6_20200623_2240
14_274.jpg, 00:00:00, 0.00 m



INLET
X_2ecd5e54-fee3-46e1-80bd-87d3cdfb11f8_20200623_22404
2_254.jpg, 00:00:20, 2.85 m



INLET
X_0884af4a-8a91-4231-b0ab-92284b5c1ed8_20200623_2241
29_071.jpg, 00:00:35, 7.28 m



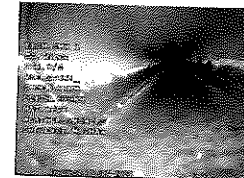
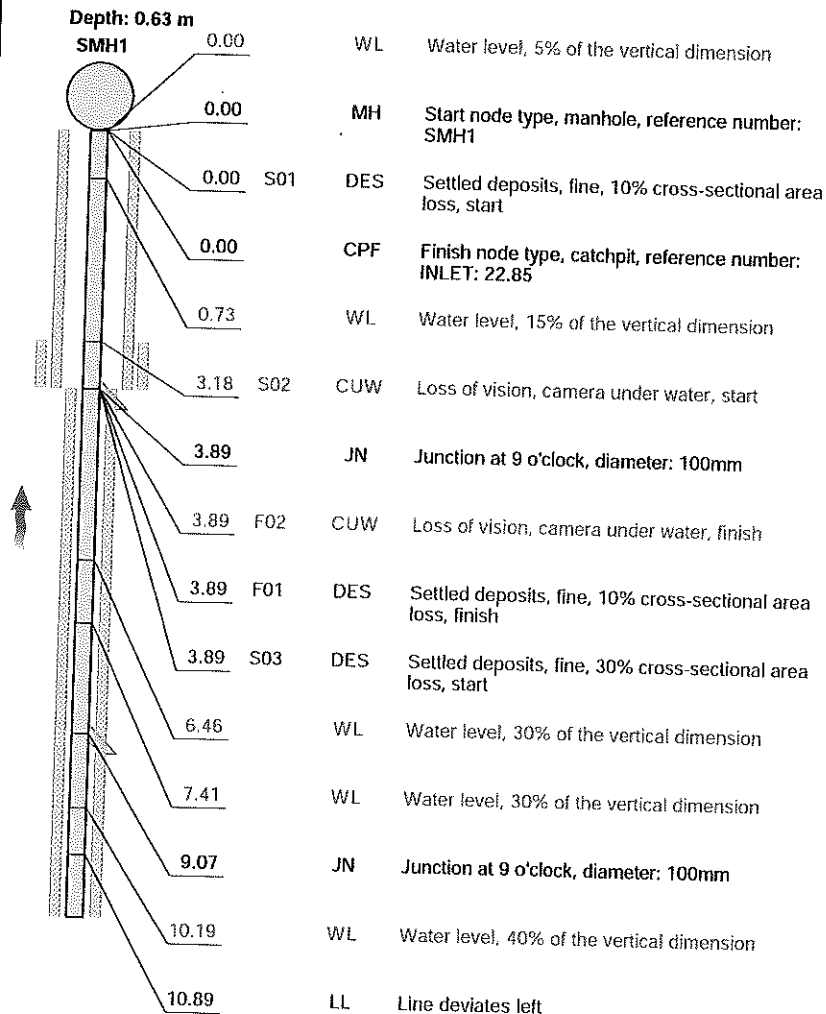
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Section Inspection - 18/06/2020 - INLET X

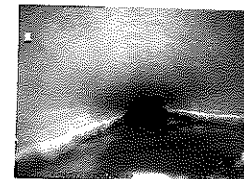
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	18/06/20	22:42	Not Specified	No Rain Or Snow	No	INLET X
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID		
MARTIN SHAW	VAN PACK	Push Cam	Not Specified	Not Specified	Not Specified		

Town or Village:	Arundel	Inspection Direction:	Upstream	Upstream Node:	INLET
Road:	Jarvis Road	Inspected Length:	22.85 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	22.85 m	Downstream Node:	SMH1
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	0.630 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	Pipework is holding water and debris				
Recommendations:	To carry out a combination of HPWJ and Vacuum to restore flow				

Scale: 1:103 Position [m] Code Observation Grade



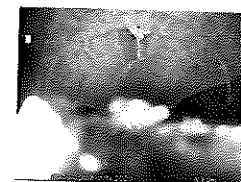
MH @ 0.00 m



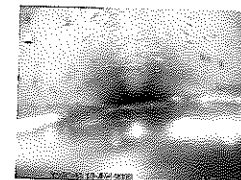
WL @ 0.73 m



CUW @ 3.18 m



DES @ 3.89 m



WL @ 7.41 m

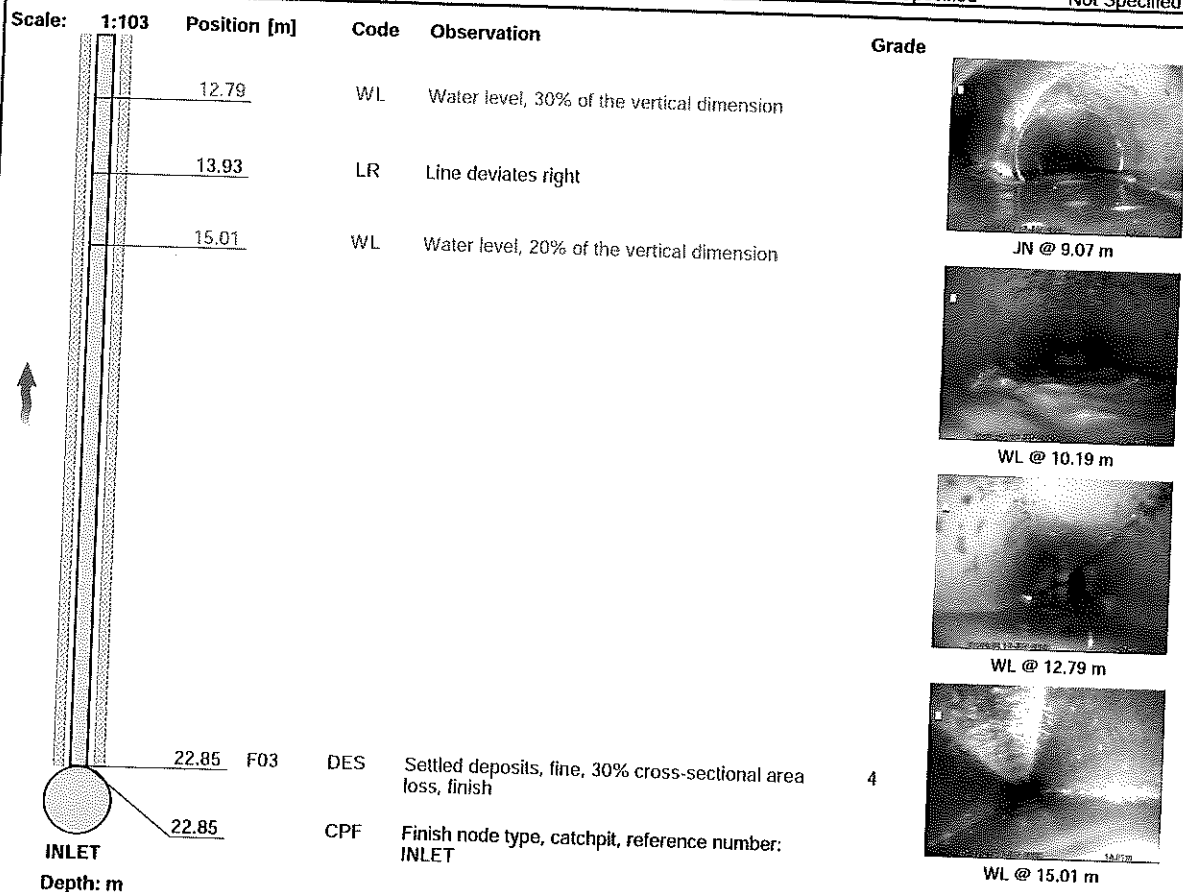
Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



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Section Inspection - 18/06/2020 - INLET X

Section 4	Inspection 1	Date 18/06/20	Time 22:42	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR INLET X
Operator MARTIN SHAW	Vehicle VAN PACK			Camera Push Cam	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified



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	7.0	0.0	103.0	4.0

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



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Section Pictures - 18/06/2020 - INLET X

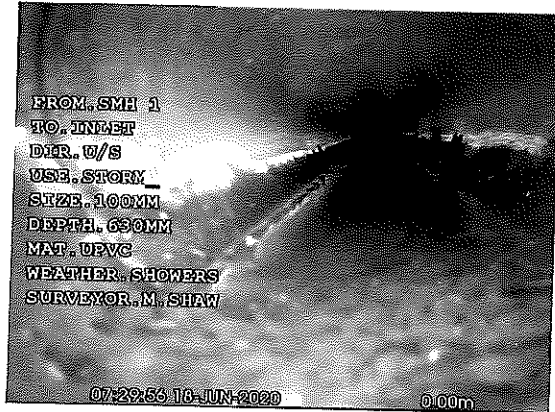
Section
4

Inspection Direction
Upstream

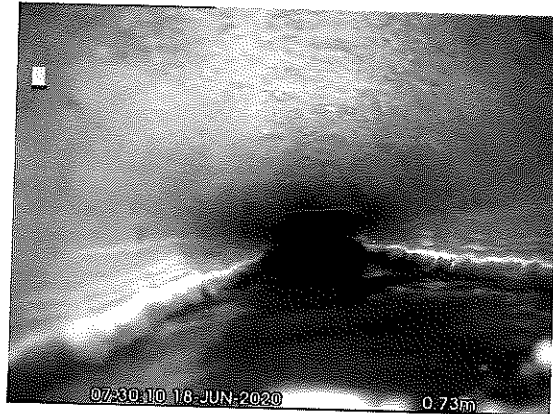
PLR
INLET X

Client's Job Ref

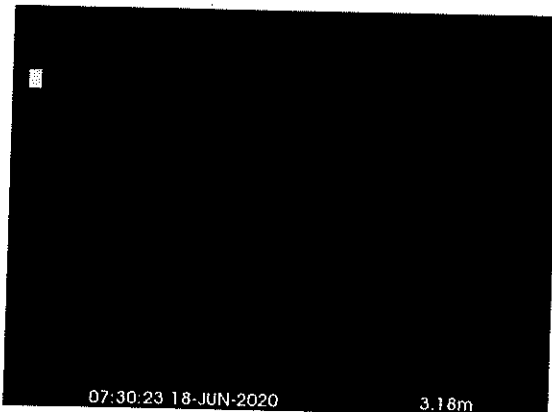
Contractor's Job Ref



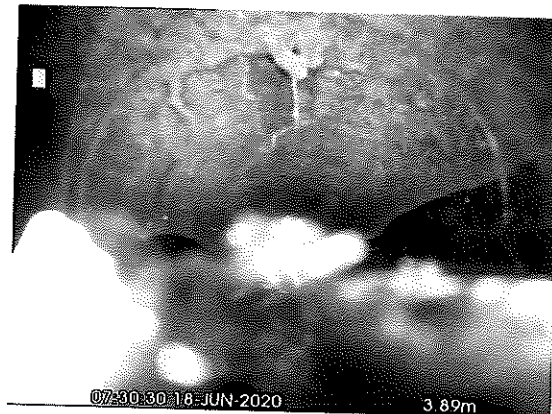
INLET
X_1542a157-5414-40ca-be5e-8bce364e397f_20200623_2243
56_139.jpg, 00:00:00, 0.00 m



INLET
X_505bbd28-5e92-47cc-96e1-ddfc05869a2_20200623_2244
37_194.jpg, 00:00:14, 0.73 m



INLET
X_38f728a4-7417-44dc-b826-95564a30a47a_20200623_2245
04_319.jpg, 00:00:28, 3.18 m



INLET
X_5ad61905-88e6-4a89-ab33-6705b7dd1e06_20200623_224
549_386.jpg, 00:00:34, 3.89 m



INLET
X_7aaaa846-527c-4dfb-9265-dfd9de3c1ecc_20200623_2246
38_719.jpg, 00:01:00, 7.41 m



INLET
X_22688d2d-cd74-47d9-8b74-29ab69b13bb5_20200623_224
711_563.jpg, 00:01:12, 9.07 m



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Section Pictures - 18/06/2020 - INLET X

Section
4

Inspection Direction
Upstream

PLR
INLET X

Client's Job Ref

Contractor's Job Ref



INLET

X_87077393-3a96-4937-b3e0-99e28c85070d_20200623_224
741_006.jpg, 00:01:23, 10.19 m



INLET

X_7c0d8136-20e7-4855-82e3-f473aa8b665c_20200623_2248
21_604.jpg, 00:01:41, 12.79 m



INLET

X_d257249c-be68-4f5d-8eff-b067a67d33a1_20200623_22500
4_881.jpg, 00:02:05, 15.01 m



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Section Inspection - 18/06/2020 - SMH1X

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	18/06/20	22:52	Not Specified	No Rain Or Snow	No	SMH1X
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID		
MARTIN SHAW	VAN PACK	Push Cam	Not Specified	Not Specified	Not Specified		

Town or Village:	Arundel	Inspection Direction:	Downstream	Upstream Node:	SMH1
Road:	Jarvis Road	Inspected Length:	30.73 m	Upstream Pipe Depth:	0.630 m
Location:	Property or buildings	Total Length:	30.73 m	Downstream Node:	OUTLET
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:		Dia/Height:	100 mm		
Year Constructed:		Material:	Polyvinyl chloride		
Flow Control:	No flow control	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		
Comments:	The pipework is holding water and debris/silt				
Recommendations:	To carry out a combination of High Pressure Water Jetting and Vacuum to restore flow				

Scale: 1:255 Position [m] Code Observation Grade

Depth: 0.63 m

SMH1

0.00

0.00

0.00

0.60

0.60

0.60

9.51

10.99

11.27

16.11

18.74

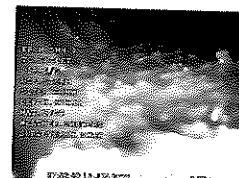
19.45

19.45

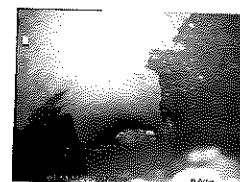
26.70

27.92

WL	Water level, 10% of the vertical dimension	
MH	Start node type, manhole, reference number: SMH1	
S01 DES	Settled deposits, fine, 10% cross-sectional area loss, start	
WL	Water level, 20% of the vertical dimension	
F01 DES	Settled deposits, fine, 10% cross-sectional area loss, finish	3
S02 DES	Settled deposits, fine, 20% cross-sectional area loss, start	
GP	General photograph taken at this point	
JN	Junction at 3 o'clock, diameter: 100mm	
F02 DES	Settled deposits, fine, 20% cross-sectional area loss, finish	4
S03 DES	Settled deposits, fine, 20% cross-sectional area loss, start	
LL	Line deviates left	
LL	Line deviates left	
F03 DES	Settled deposits, fine, 20% cross-sectional area loss, finish	4
WL	Water level, 40% of the vertical dimension	
S04 CUW	Loss of vision, camera under water, start	



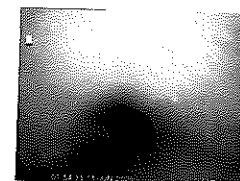
MH @ 0.00 m



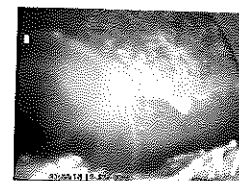
WL @ 0.60 m



DES @ 0.60 m



GP @ 9.51 m



LL @ 18.74 m

Arundel C Of E Primary School, Jarvis Road, Arundel BN18 9HT



The Drain Guys Ltd
Oddstones, Cadmore Hill, Pulborough
Tel. 07703193746
info@thedrainguys.co.uk

Section Pictures - 18/06/2020 - SMH1X

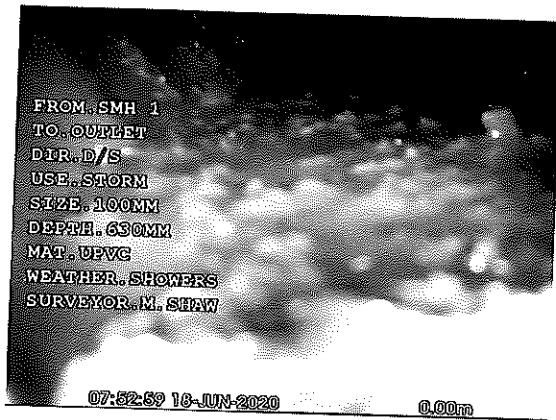
Section
5

Inspection Direction
Downstream

PLR
SMH1X

Client's Job Ref

Contractor's Job Ref



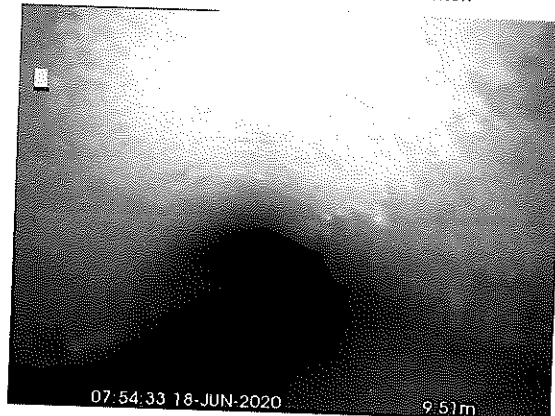
SMH1X_35a324e8-9ef0-4eb2-80ba-a0bb21c5a352_20200623
_225356_138.jpg, 00:00:00, 0.00 m
Start node type, manhole, reference number: SMH1



SMH1X_81a92dec-fd09-4178-bb3d-9612c6e23625_20200623
_225427_362.jpg, 00:00:14, 0.60 m
Water level, 20% of the vertical dimension



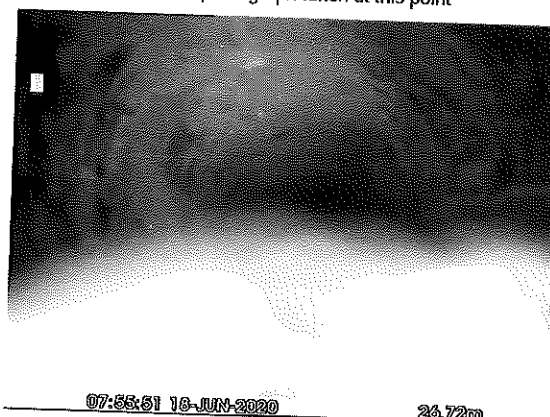
SMH1X_5eb04566-2251-48c5-8f42-4562f90994b_20200623
_225453_109.jpg, 00:00:14, 0.60 m
Settled deposits, fine, 20% cross-sectional area loss, start



SMH1X_c8dceb13-db92-46d0-9c81-97c9bddafe2a_20200623
_225622_890.jpg, 00:01:36, 9.51 m
General photograph taken at this point



SMH1X_79e4a593-19bf-4761-9334-b9146c200d5e_20200623
_225850_862.jpg, 00:02:17, 18.74 m
Line deviates left



SMH1X_47a93afa-61d2-4e64-88ad-81593efd12b7_20200623
_230005_889.jpg, 00:02:54, 26.70 m
Water level, 40% of the vertical dimension



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Section Pictures - 18/06/2020 - SMH1X

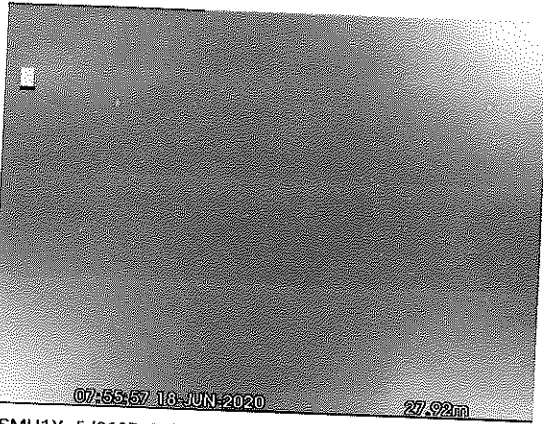
Section
5

Inspection Direction
Downstream

PLR
SMH1X

Client's Job Ref

Contractor's Job Ref



07:55:57 18 JUN 2020

27.92m

SMH1X_5d3127e3-d315-42be-9820-b59d981070ad_2020062
3_230035_336.jpg, 00:03:00, 27.92 m
Loss of vision, camera under water, start

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