

Drainage Report



Prepared For

Jon Svikis

Derwent House 150 Arundel Gate

Sheffield

Yorkshire

S1 2JY

Site

Alison Fearn

Barnsley Hospital, Gawber Road

Barnsley

Yorkshire

S75 2EP

M

M

MOTT

MACDONALD

1ST HORIZON SURVEYING & ENGINEERING

JORDAN BECKETT

JORDANBECKETT@1STH.CO.UK

01226766446

Total Defects for Project



Total DRB Grades for Project



Barnsley Hospital - CCTV Survey Report : 28/01/19

Name :	1ST HORIZON SURVEYING & ENGINEERING
Contact :	DEAN COULSON
Location :	THE OLD POP FACTORY
Town :	BARNSELY
Region :	SOUTH YORKSHIRE
Postcode :	S75 3RQ
Email :	JORDANBECKETT@1STH.CO.UK
Contact Number :	01226766446
Surveyor :	JORDAN BECKETT
Valid Certification No :	

Client Information

Name :	Jon Svikis
Contact :	Mott MacDonald
Location :	Derwent House 150 Arundel Gate
Town :	Sheffield
Region :	Yorkshire
Postcode :	S1 2JY
Tel :	01142761242
Mobile :	
Email :	jonathan.svikis@mottmac.com
Fax :	

Site Information

Name :	Alison Fearn
Contact :	Barnsley Facilities Services
Location :	Barnsley Hospital, Gawber Road
Town :	Barnsley
Region :	Yorkshire
Postcode :	S75 2EP
Tel :	
Mobile :	07800550897
Email :	alison.fearn@nhs.net
Fax :	

Total Defects for Project



Total DRB Grades for Project



Report interpretation.

Overview:

Each section of the drainage system is allocated a score indicating areas that require attention. These areas are detailed in the Overview section on the following page and also at the bottom right of the first few pages. We use colour coding as an indicator of severity. Additional information concerning rehabilitation options/recomendations is included in the Overview page, which can also be used as an, "at a glance" indication of system condition. More in depth information for each section, Including images can be found later in the report. Grade indicators are as follows:

Grade A: Drain is serviceable no recommendations required

Grade B: There is an issue that might require remedial works

Grade C: There is a defect that requires remedial works, the drain is not serviceable.

Observations:

Each section of drainage reported on (manhole to manhole for example), contains detailed information about that drain and any observations made concerning condition are detailed below the header section. The observations are colour coded and given a severity score, with more significant defects being given a higher score, using a scale from 1 to 5 as detailed below:

Severity 1 to 2: These defects may require remedial monitoring

Severity 3: These defects probably require some form of remedial works

Severity 4 to 5: Defects that will require remedial repair or replacement

General:

The information provided is relevant at the time of survey. The coding system in this report is based on the Manual of Sewer Condition Classification, 5th edition (MSCC5) domestic codes (BS EN 13508-1:2003). This is the official standard for the water industry.

The severity system is based on significant experience in general practice and the 1-5 grades represent the severity of individual defects: 5 representing a more serious defect.

Please feel free to contact us for further explanation or pricing for remedial works required.

Total Defects for Project



Total DRB Grades for Project



Overview

Section: 1 From: MH01 To: SA	Grade C	DRB Grade: C Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 2 From: MH01 To: SA	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 3 From: MH01 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 4 From: MH02 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 5 From: MH02 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 6 From: MH02 To: SA	LATA	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 7 From: MH02 To: GULLY	Grade B	DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 8 From: MH02 To: GULLY	Grade B	DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Section: 9 From: MH03 To: BUILDING	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 10 From: MH03 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 11 From: MH03 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 12 From: MH04 To: SA	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 13 From: MH04 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 14 From: MH04 To: LATA	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 15 From: MH04 To: LATB	Grade A	DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 16 From: MH06 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 17 From: MH06 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water

Total Defects for Project

Total DRB Grades for Project



Section: 18 From: MH07 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Combined
Section: 19 From: MH07 To: LATA	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 20 From: MH07 To: LATB	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 21 From: MH07 To: LATC	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 22 From: MH08 To: SA	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 23 From: MH08 To: SA	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 24 From: MH08 To: MH10	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 25 From: MH08 To: LATA	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Section: 26 From: MH08 To: LATB	Grade B	DRB Grade: B Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 27 From: MH09 To: MH07	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Combined
Section: 28 From: MH09 To: LATA	Grade C	DRB Grade: C Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 29 From: MH09 To: LATC	Grade A	DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 30 From: MH09 To: MH15	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 31 From: MH11 To: MH12	Grade A	DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 32 From: MH11 To: MH14	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 33 From: MH11 To: SA	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 34 From: MH12 To: SA	Grade B	DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul

Total Defects for Project

Total DRB Grades for Project



Section: 35 From: MH15 To: LATA	Grade C	DRB Grade: C Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 36 From: MH15 To: MH14	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 37 From: MH15 To: SA	Grade A	DRB Grade: A Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 38 From: MH17 To: SA	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 39 From: MH17 To: MH14	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 40 From: MH17 To: LATA	Grade C	DRB Grade: C Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Foul

Total Defects for Project



Total DRB Grades for Project



Site: Gawber Road , Barnsley

Section 1

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH01 2.23	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	26.4	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
01.60m	JDM	Joint displaced medium	0_2		0:00:27
08.10m	JDM	Joint displaced medium	0_3		0:00:42
23.80m	DEE	Attached deposits, encrustation 12-06 10%	0_4		0:01:38
23.80m	JN	Junction 01 : 50mm Diameter	0_5		0:01:39
26.40m	D	Deformed drain/sewer 10%	0_6		0:02:14
26.40m	SA	Survey abandoned			

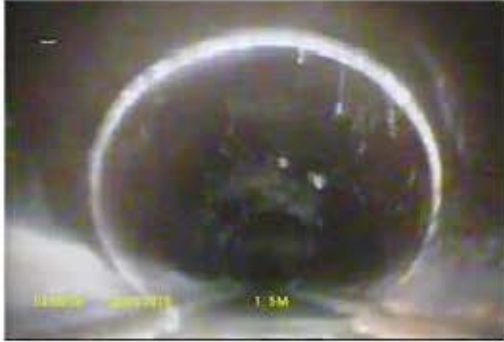


Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1



Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.60m	0:00:27	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 0_2</p> 
08.10m	0:00:42	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 0_3</p> 
23.80m	0:01:38	DEE	Attached deposits, encrustation from 12 o'clock to 06 o'clock: 10% Cross sectional area loss - Severity 3	<p>Image Provided - Ref: 0_4</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
23.80m	0:01:39	JN	Junction at 01 o'clock: 50mm Diameter	Image Provided - Ref: 0_5 
26.40m	0:02:14	D	Deformed drain/sewer: 10% Height/Diameter - Severity 4	Image Provided - Ref: 0_6 
26.40m		SA	Survey abandoned Unable to pass deformed pipe.	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

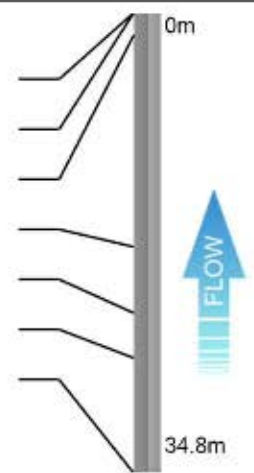
Section 2

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH01	Finish Node Ref: SA	Direction: U	Height/Dia: 225
Start Node Depth: 2.20	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	34.8	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
01.70m	JDM	Joint displaced medium		1_2	0:00:18
17.70m	WL	S1 Water level 20%	S1	1_3	0:00:56
22.70m	JDM	Joint displaced medium		1_4	0:01:15
26.10m	JDM	Joint displaced medium		1_5	0:01:25
34.80m	SA	Survey abandoned			



Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 2


Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.70m	0:00:18	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 1_2</p> 
17.70m	0:00:56	S1 WL	Water level 17.7m - 34.8m: 20% Height/Diameter	<p>Image Provided - Ref: 1_3</p> 
22.70m	0:01:15	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 1_4</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
26.10m	0:01:25	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 1_5 
34.80m		SA	Survey abandoned Survey abandoned.	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 3

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH01 2.42	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D F VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	22.7	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
07.20m	WL	S1 Water level 20%	S1		0:00:33	
12.00m	JDM	Joint displaced medium		2_3	0:00:43	
16.40m	JDM	Joint displaced medium		2_4	0:00:58	
19.80m	JDM	Joint displaced medium		2_5	0:01:34	
20.50m	JDM	Joint displaced medium		2_6	0:02:17	
22.70m	SA	Survey abandoned				




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3


Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
07.20m	0:00:33	S1 WL	Water level 7.2m - 11.3m: 20% Height/Diameter	
12.00m	0:00:43	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 2_3</p> 
16.40m	0:00:58	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 2_4</p> 
19.80m	0:01:34	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 2_5</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
20.50m	0:02:17	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 2_6 
22.70m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

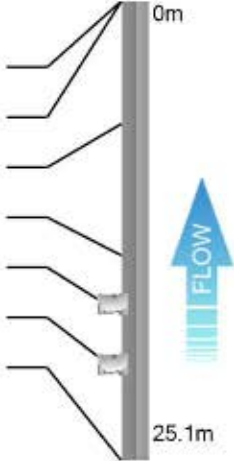
Section 4

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH02	Finish Node Ref: SA	Direction: U	Height/Dia: 300
Start Node Depth: 1.21	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	25.1	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
06.70m	JDM	Joint displaced medium		3_2	0:00:33
13.90m	JDM	Joint displaced medium		3_3	0:01:04
17.10m	JN	Junction 03 : 100mm Diameter		3_4	0:01:16
20.40m	JN	Junction 02 : 100mm Diameter		3_5	0:01:35
25.10m	MHF	Finish node type, manhole			



Total Defects for section

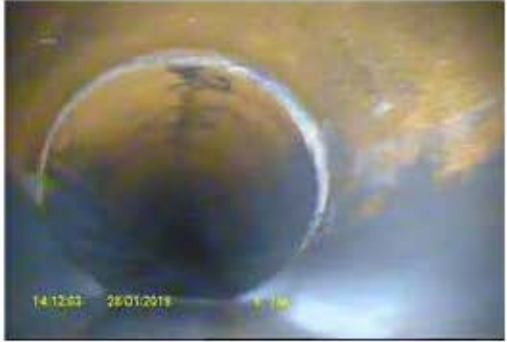




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 4


Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.70m	0:00:33	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 3_2</p> 
13.90m	0:01:04	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 3_3</p> 
17.10m	0:01:16	JN	Junction at 03 o'clock: 100mm Diameter	<p>Image Provided - Ref: 3_4</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
20.40m	0:01:35	JN	Junction at 02 o'clock: 100mm Diameter	Image Provided - Ref: 3_5 
25.10m		MHF	Finish node type, manhole Manhole out of survey area.	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

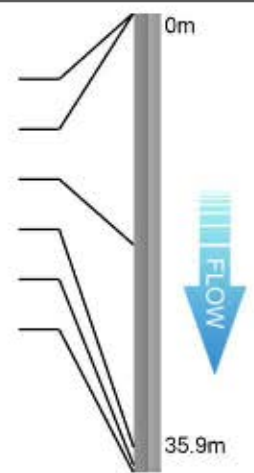
Section 5

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH02 1.27	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	35.9	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
18.10m	JDM	Joint displaced medium		4_2	0:00:41
33.90m	JDM	Joint displaced medium		4_3	0:01:11
35.30m	JDM	Joint displaced medium		4_4	0:01:20
35.90m	SA	Survey abandoned			



Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
18.10m	0:00:41	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 4_2 
33.90m	0:01:11	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 4_3 
35.30m	0:01:20	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 4_4 
35.90m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 6

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH02 1.03	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	225 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	16.2	LATA

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.10m	JDM	Joint displaced medium		5_2	0:00:15
11.30m	JDM	Joint displaced medium		5_3	0:00:42
11.30m	OB	Other obstacles 30%		5_4	0:00:47
11.30m	DER	Settled deposits coarse 20%		5_5	0:00:53
15.60m	OB	Other obstacles 30%		5_6	0:01:33
16.20m	SA	Survey abandoned			

Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 6



Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.10m	0:00:15	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 5_2 
11.30m	0:00:42	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 5_3 
11.30m	0:00:47	OB	Other obstacles: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 5_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
11.30m	0:00:53	DER	Settled deposits coarse: 20% Cross sectional area loss - Severity 3	Image Provided - Ref: 5_5 
15.60m	0:01:33	OB	Other obstacles: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 5_6 
16.20m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

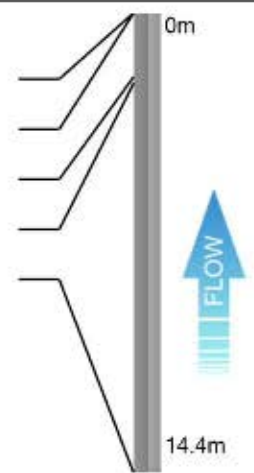
Section 7

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH02 1.01	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	GULLY 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	100 C N
--	--------------	---	---------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	14.4	LATB

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
02.00m	LLQ	Line of drain/sewer deviates left [quarter]		6_2	0:00:14
02.20m	JDM	Joint displaced medium		6_3	0:00:27
14.40m	GYF	Finish node type Gully		6_99	



Total Defects for section


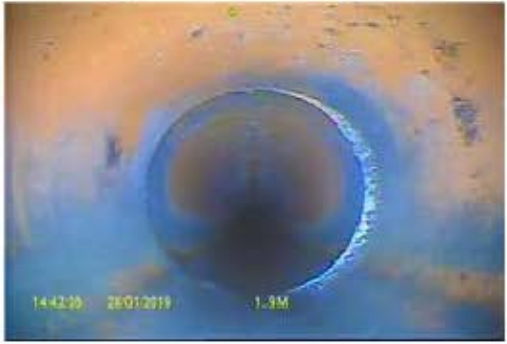



DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.00m	0:00:14	LLQ	Line of drain/sewer deviates left [quarter]	<p>Image Provided - Ref: 6_2</p> 
02.20m	0:00:27	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 6_3</p> 
14.40m		GYF	Finish node type Gully GULLY	<p>Image Provided - Ref: 6_9999</p> 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

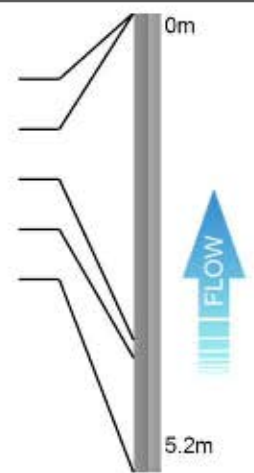
Section 8

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH02 0.75	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	GULLY 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	100 C N
--	--------------	---	---------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	5.2	LATC

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.70m	JDM	Joint displaced medium		7_2	0:00:27
03.90m	LUQ	Line of drain/sewer deviates up [quarter]		7_3	0:00:28
05.20m	GYF	Finish node type Gully		7_99	






Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 8

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.70m	0:00:27	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 7_2</p> 
03.90m	0:00:28	LUQ	Line of drain/sewer deviates up [quarter]	<p>Image Provided - Ref: 7_3</p> 
05.20m		GYF	Finish node type Gully GULLY	<p>Image Provided - Ref: 7_9999</p> 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 9

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH03 2.74	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	BUILDING 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	225 C N
--	--------------	---	------------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	32.8	LATA

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.80m	LRQ	Line of drain/sewer deviates right [quarter]	8_2		0:00:11
10.20m	JDM	Joint displaced medium	8_3		0:00:28
11.40m	LLH	Line of drain/sewer deviates left [half]	8_4		0:00:30
18.90m	JN	Junction 09 : 100mm Diameter	8_5		0:00:48
19.20m	JN	Junction 03 : 100mm Diameter	8_6		0:00:49
30.10m	JN	Junction 11 : 100mm Diameter	8_7		0:01:18
32.70m	JN	Junction 11 : 100mm Diameter	8_8		0:01:33
32.80m	SA	Survey abandoned			

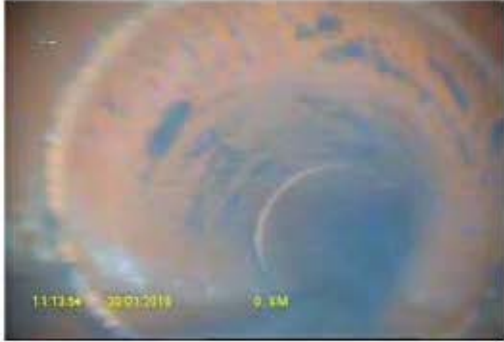


Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 9





Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.80m	0:00:11	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 8_2 
10.20m	0:00:28	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 8_3 
11.40m	0:00:30	LLH	Line of drain/sewer deviates left [half]	Image Provided - Ref: 8_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
18.90m	0:00:48	JN	Junction at 09 o'clock: 100mm x 50mm Diameter	Image Provided - Ref: 8_5 
19.20m	0:00:49	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 8_6 
30.10m	0:01:18	JN	Junction at 11 o'clock: 100mm Diameter	Image Provided - Ref: 8_7 
32.70m	0:01:33	JN	Junction at 11 o'clock: 100mm Diameter	Image Provided - Ref: 8_8 
32.80m		SA	Survey abandoned BUILDING	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

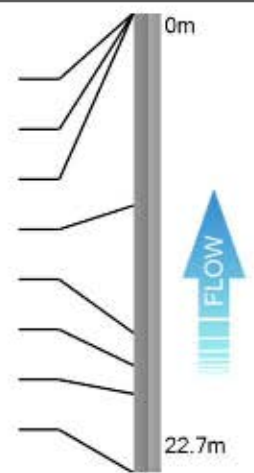
Section 10

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH03 3.04	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	22.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.00m	WL	S1 Water level 40%	S1		0:02:18
09.50m	JDM	Joint displaced medium		9_2	0:00:50
15.80m	JDM	Joint displaced medium		9_3	0:01:24
17.40m	JDM	Joint displaced medium		9_4	0:01:29
18.80m	JDM	Joint displaced medium		9_5	0:01:33
22.70m	SA	Survey abandoned			




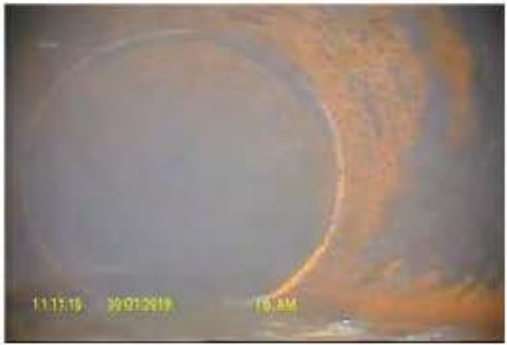

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 10


Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:02:18	S1 WL	Water level 0m - 22.7m: 40% Height/Diameter	
09.50m	0:00:50	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 9_2</p> 
15.80m	0:01:24	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 9_3</p> 
17.40m	0:01:29	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 9_4</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
18.80m	0:01:33	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 9_5 
22.70m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

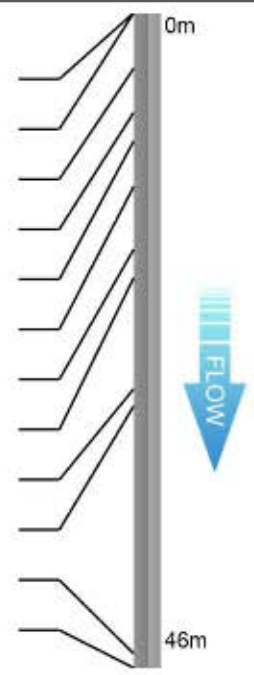
Section 11

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH03 3.10	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D F VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	46	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.90m	JDM	Joint displaced medium		10_2	0:00:19
07.00m	CU	Loss of vision			0:00:25
09.00m	JDM	Joint displaced medium		10_4	0:00:34
12.20m	JDM	Joint displaced medium		10_5	0:00:39
16.60m	JDM	Joint displaced medium		10_6	0:00:46
18.60m	WL	S1 Water level 40%	S1		0:00:54
26.40m	CM	Cracks, multiple 12-06		10_8	0:01:04
27.60m	CM	Cracks, multiple 09-03		10_9	0:01:31
45.00m	CU	S2 Loss of vision	S2		0:02:34
46.00m	SA	Survey abandoned			



Total Defects for section

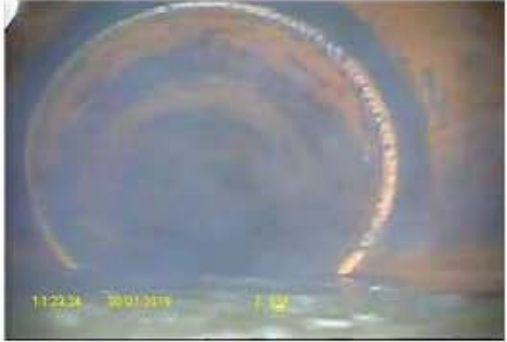




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 11



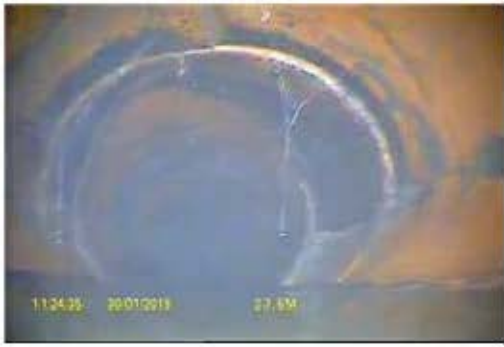
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.90m	0:00:19	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 10_2 
07.00m	0:00:25	CU	Loss of vision	
09.00m	0:00:34	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 10_4 
12.20m	0:00:39	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 10_5 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
16.60m	0:00:46	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 10_6 
18.60m	0:00:54	S1 WL	Water level 18.6m - 30m: 40% Height/Diameter	
26.40m	0:01:04	CM	Cracks, multiple from 12 o'clock to 06 o'clock - Severity 2	Image Provided - Ref: 10_8 
27.60m	0:01:31	CM	Cracks, multiple from 09 o'clock to 03 o'clock - Severity 2	Image Provided - Ref: 10_9 
45.00m	0:02:34	S2 CU	Loss of vision 45m - 46m	
46.00m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

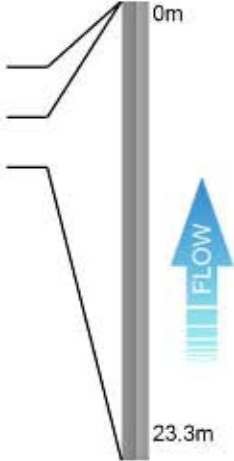
Section 12

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH04	Finish Node Ref: SA	Direction: U	Height/Dia: 300
Start Node Depth: 2.10	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	23.3	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
23.30m	SA	Survey abandoned			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 12

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
23.30m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 13

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH04 2.12	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	24.5	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
01.20m	JDM	Joint displaced medium		12_2	0:00:14
01.40m	CC	Crack, circumferential 06-12		12_3	0:00:15
02.20m	CC	Crack, circumferential 03-09		12_4	0:00:20
05.30m	JDM	Joint displaced medium		12_5	0:00:29
08.30m	JDM	Joint displaced medium		12_6	0:00:36
20.40m	JDM	Joint displaced medium		12_7	0:00:53
24.50m	SA	Survey abandoned			

Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 13




Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.20m	0:00:14	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 12_2 
01.40m	0:00:15	CC	Crack, circumferential from 06 o'clock to 12 o'clock - Severity 1	Image Provided - Ref: 12_3 
02.20m	0:00:20	CC	Crack, circumferential from 03 o'clock to 09 o'clock - Severity 1	Image Provided - Ref: 12_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
05.30m	0:00:29	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 12_5 
08.30m	0:00:36	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 12_6 
20.40m	0:00:53	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 12_7 
24.50m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

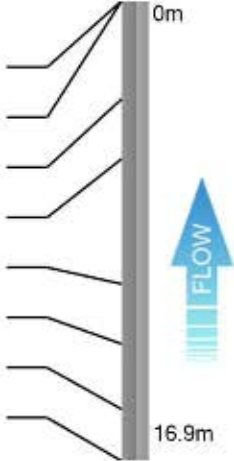
Section 14

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH04	Finish Node Ref: LATA	Direction: U	Height/Dia: 225
Start Node Depth: 1.94	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	16.9	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.60m	LRQ	Line of drain/sewer deviates right [quarter]		13_2	0:00:17
05.80m	JDM	Joint displaced medium		13_3	0:00:23
10.40m	JDM	Joint displaced medium		13_4	0:00:31
12.60m	JDM	Joint displaced medium		13_5	0:02:45
15.00m	LLQ	Line of drain/sewer deviates left [quarter]		13_6	0:03:04
16.90m	SA	Survey abandoned			



Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 14



Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.60m	0:00:17	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 13_2 
05.80m	0:00:23	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 13_3 
10.40m	0:00:31	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 13_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
12.60m	0:02:45	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 13_5 
15.00m	0:03:04	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 13_6 
16.90m		SA	Survey abandoned LATA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

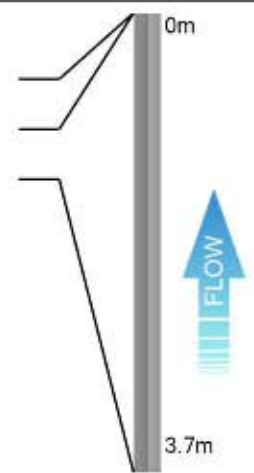
Section 15

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH04	Finish Node Ref: LATB	Direction: U	Height/Dia: 100
Start Node Depth: 1.57	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.70m	SA	Survey abandoned			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 15

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.70m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

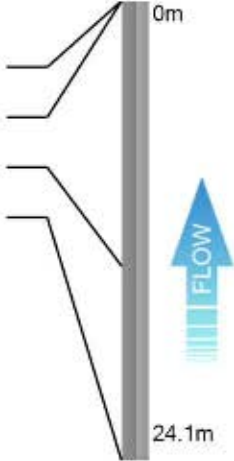
Section 16

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH06 2.94	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	24.1	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
13.90m	JDM	Joint displaced medium			15_2 0:00:43
24.10m	SA	Survey abandoned			



Total Defects for section




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 16

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH06	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
13.90m	0:00:43	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 15_2 
24.10m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

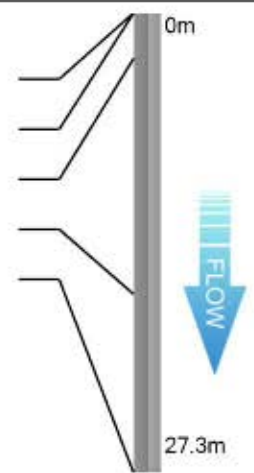
Section 17

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH06 2.98	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	27.3	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
02.70m	JDM	Joint displaced medium		16_2	0:00:27
16.70m	CC	Crack, circumferential 12-06		16_3	0:01:11
27.30m	SA	Survey abandoned			



Total Defects for section


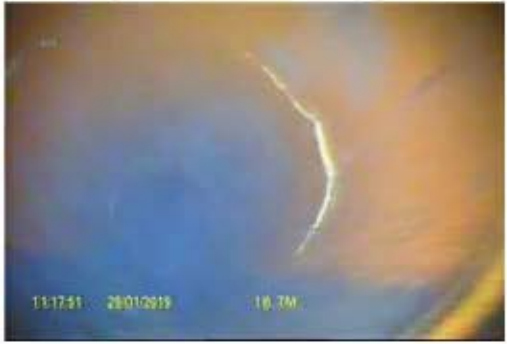


DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 17

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH06	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.70m	0:00:27	JDM	Joint displaced medium - Severity 3	<p>Image Provided - Ref: 16_2</p> 
16.70m	0:01:11	CC	Crack, circumferential from 12 o'clock to 06 o'clock - Severity 1	<p>Image Provided - Ref: 16_3</p> 
27.30m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

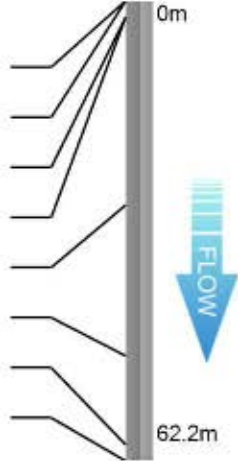
Section 18

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH07	Finish Node Ref: SA	Direction: D	Height/Dia: 300
Start Node Depth: 3.61	Finish Node Depth: 0.00	Use: C	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	62.2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 20%	S1		0:00:00
02.20m	CL	Crack, longitudinal 03		17_2	0:00:17
02.20m	CC	Crack, circumferential 12-06		17_3	0:00:39
27.60m	JDM	Joint displaced medium		17_4	0:01:21
48.00m	JDM	Joint displaced medium		17_5	0:01:49
60.00m	CU	S2 Loss of vision	S2		0:02:34
62.20m	SA	Survey abandoned			




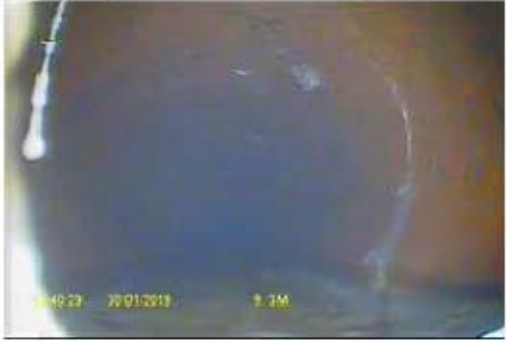
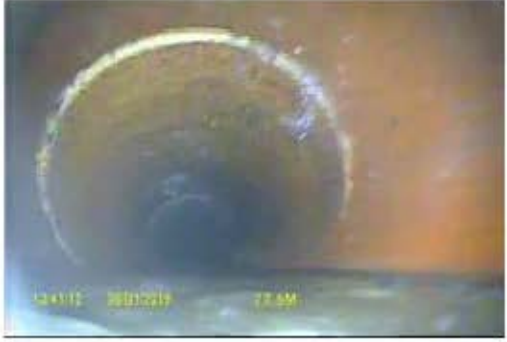
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 18

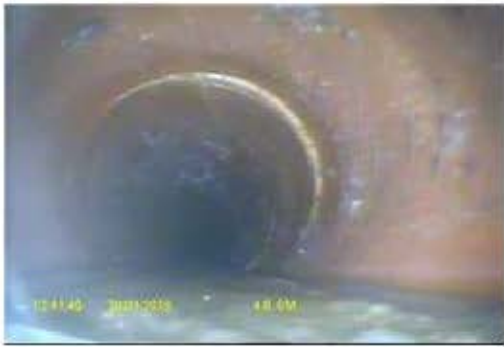
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH07	
00.00m	0:00:00	S1 WL	Water level 0m - 62.2m: 20% Height/Diameter	
02.20m	0:00:17	CL	Crack, longitudinal at 03 o'clock - Severity 1	Image Provided - Ref: 17_2 
02.20m	0:00:39	CC	Crack, circumferential from 12 o'clock to 06 o'clock - Severity 1	Image Provided - Ref: 17_3 
27.60m	0:01:21	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 17_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
48.00m	0:01:49	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 17_5 
60.00m	0:02:34	S2 CU	Loss of vision 60m - 62.2m	
62.20m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 19

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH07	Finish Node Ref: LATA	Direction: U	Height/Dia: 100
Start Node Depth: 2.25	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	11.4	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.10m	LRQ	Line of drain/sewer deviates right [quarter]		18_2	0:00:06
00.50m	JDL	Joint displaced large		18_3	0:00:10
02.10m	JDL	Joint displaced large		18_4	0:00:14
02.50m	JDL	Joint displaced large		18_5	0:00:15
04.80m	JDM	Joint displaced medium		18_6	0:00:22
09.00m	JDM	Joint displaced medium		18_7	0:00:37
11.00m	DES	Settled deposits fine 90%		18_8	0:00:47
11.40m	SA	Survey abandoned			




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 19





Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH07	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.10m	0:00:06	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 18_2 
00.50m	0:00:10	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 18_3 
02.10m	0:00:14	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 18_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
02.50m	0:00:15	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 18_5 
04.80m	0:00:22	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 18_6 
09.00m	0:00:37	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 18_7 
11.00m	0:00:47	DES	Settled deposits fine: 90% Cross sectional area loss - Severity 3	Image Provided - Ref: 18_8 
11.40m		SA	Survey abandoned LATA	

Total Defects for section



DRB Grade for Section



Site: **Gawber Road , Barnsley**

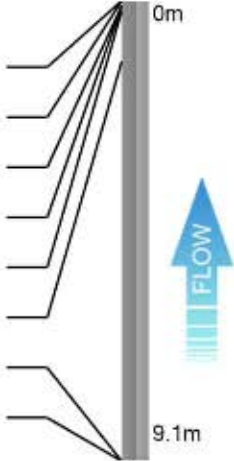
Section 20

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH07	Finish Node Ref: LATB	Direction: U	Height/Dia: 100
Start Node Depth: 2.25	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9.1	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.10m	JDL	Joint displaced large			19_2 0:00:07
00.10m	LLQ	Line of drain/sewer deviates left [quarter]			19_3 0:00:07
00.20m	JDL	Joint displaced large			19_4 0:00:23
01.20m	LLH	Line of drain/sewer deviates left [half]			19_5 0:00:27
09.10m	DES	Settled deposits fine 100%			19_6 0:00:52
09.10m	SA	Survey abandoned			






Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 20

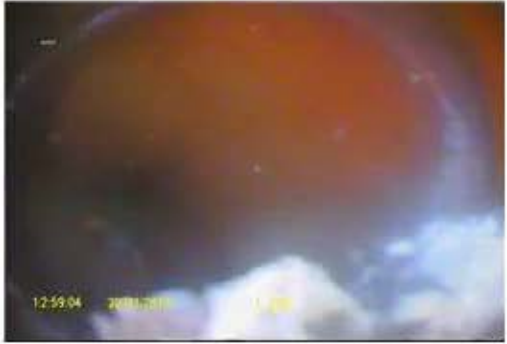

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH07	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.10m	0:00:07	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 19_2 
00.10m	0:00:07	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 19_3 
00.20m	0:00:23	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 19_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
01.20m	0:00:27	LLH	Line of drain/sewer deviates left [half]	Image Provided - Ref: 19_5 
09.10m	0:00:52	DES	Settled deposits fine: 100% Cross sectional area loss - Severity 3	Image Provided - Ref: 19_6 
09.10m		SA	Survey abandoned LATB	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

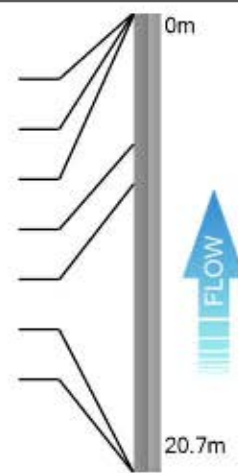
Section 21

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH07	Finish Node Ref: LATC	Direction: U	Height/Dia: 100
Start Node Depth: 2.25	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	20.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.10m	JDL	Joint displaced large		20_2	0:00:07
05.90m	LLQ	Line of drain/sewer deviates left [quarter]		20_3	0:00:18
07.70m	JDL	Joint displaced large		20_4	0:00:22
20.70m	DER	Settled deposits coarse 100%			0:01:05
20.70m	SA	Survey abandoned			



Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 21

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH07	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.10m	0:00:07	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 20_2 
05.90m	0:00:18	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 20_3 
07.70m	0:00:22	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 20_4 
20.70m	0:01:05	DER	Settled deposits coarse: 100% Cross sectional area loss - Severity 3	
20.70m		SA	Survey abandoned LATC	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

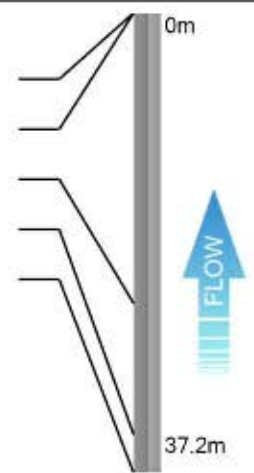
Section 22

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH08 2.95	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	37.2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
23.50m	CL	Crack, longitudinal 12		21_2	0:00:44
34.10m	CM	Cracks, multiple 12-06		21_3	0:01:31
37.20m	SA	Survey abandoned			



Total Defects for section





DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 22

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
23.50m	0:00:44	CL	Crack, longitudinal at 12 o'clock - Severity 1	<p>Image Provided - Ref: 21_2</p> 
34.10m	0:01:31	CM	Cracks, multiple from 12 o'clock to 06 o'clock - Severity 2	<p>Image Provided - Ref: 21_3</p> 
37.20m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 23

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH08 3.00	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D S VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	44.8	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 10%	S1		0:00:00
12.40m	JDM	Joint displaced medium		22_2	0:00:29
15.10m	JDM	Joint displaced medium		22_3	0:00:33
18.20m	JN	Junction 10 : 100mm Diameter		22_4	0:00:41
24.10m	OB	Other obstacles 30%		22_5	0:00:51
44.80m	SA	Survey abandoned			




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 23


Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	
00.00m	0:00:00	S1 WL	Water level 0m - 44.8m: 10% Height/Diameter	
12.40m	0:00:29	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 22_2 
15.10m	0:00:33	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 22_3 
18.20m	0:00:41	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 22_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
24.10m	0:00:51	OB	Other obstacles: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 22_5 
44.80m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

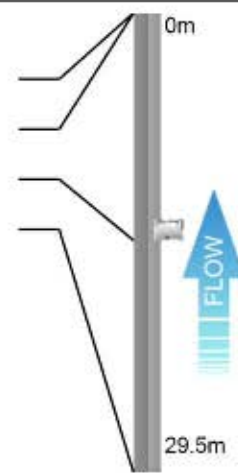
Section 24

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH08	Finish Node Ref: MH10	Direction: U	Height/Dia: 300
Start Node Depth: 1.82	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	29.5	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
14.60m	JN	Junction 10 : 100mm Diameter			23_2 0:00:36
29.50m	MHF	Finish node type, manhole			




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 24

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
14.60m	0:00:36	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 23_2 
29.50m		MHF	Finish node type, manhole MH10	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

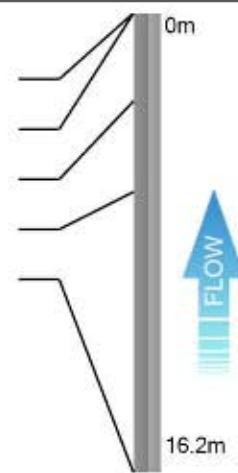
Section 25

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH08	Finish Node Ref: LATA	Direction: U	Height/Dia: 100
Start Node Depth: 1.25	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	16.2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.10m	JDL	Joint displaced large			24_2 0:00:19
06.30m	JDM	Joint displaced medium			24_3 0:00:26
16.20m	GYF	Finish node type Gully			24_9






Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 25

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.10m	0:00:19	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 24_2 
06.30m	0:00:26	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 24_3 
16.20m		GYF	Finish node type Gully LATA	Image Provided - Ref: 24_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

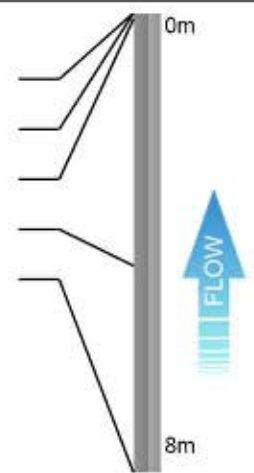
Section 26

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH08	Finish Node Ref: LATB	Direction: U	Height/Dia: 100
Start Node Depth: 0.77	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	8	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.10m	LRH	Line of drain/sewer deviates right [half]		25_2	0:00:06
04.40m	DER	Settled deposits coarse 90%		25_3	0:00:18
08.00m	GYF	Finish node type Gully		25_9	



Total Defects for section



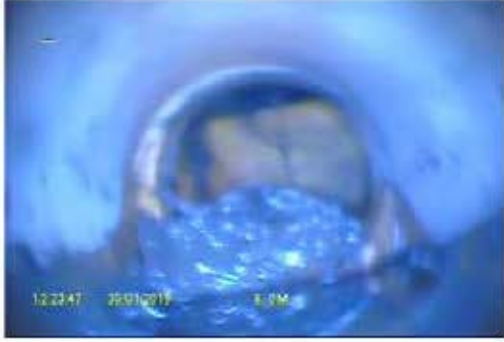


DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 26

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.10m	0:00:06	LRH	Line of drain/sewer deviates right [half]	Image Provided - Ref: 25_2 
04.40m	0:00:18	DER	Settled deposits coarse: 90% Cross sectional area loss - Severity 3	Image Provided - Ref: 25_3 
08.00m		GYF	Finish node type Gully LATB	Image Provided - Ref: 25_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

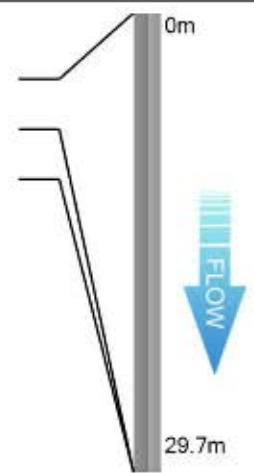
Section 27

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH09	Finish Node Ref: MH07	Direction: D	Height/Dia: 300
Start Node Depth: 2.80	Finish Node Depth: 2.35	Use: C	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	29.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
29.70m	WL	Water level 10%			0:00:00
29.70m	MHF	Finish node type, manhole		26_9	




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 27

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH09	
29.70m	0:00:00	WL	Water level: 10% Height/Diameter	
29.70m		MHF	Finish node type, manhole MH07	Image Provided - Ref: 26_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

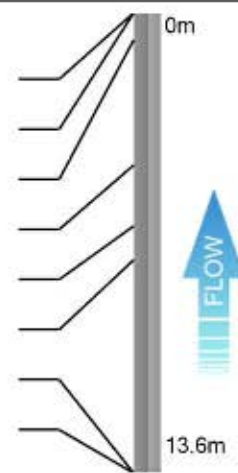
Section 28

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH09 2.59	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	LATA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	225 C N
--	--------------	---	--------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	13.6	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.80m	LRQ	Line of drain/sewer deviates right [quarter]		27_2	0:00:11
04.50m	JDM	Joint displaced medium		27_3	0:00:19
06.30m	JDL	Joint displaced large		27_4	0:00:22
07.30m	LLQ	Line of drain/sewer deviates left [quarter]		27_5	0:00:48
13.60m	JDL	Joint displaced large		27_6	0:01:03
13.60m	SA	Survey abandoned			



Total Defects for section






DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 28

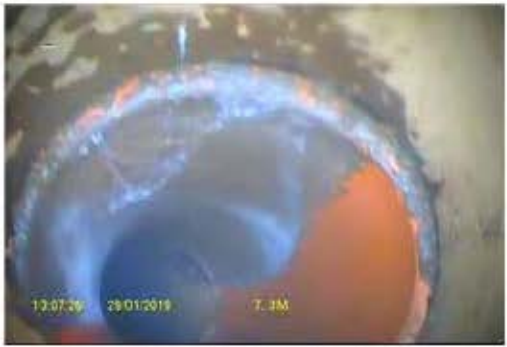
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH09	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.80m	0:00:11	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 27_2 
04.50m	0:00:19	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 27_3 
06.30m	0:00:22	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 27_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
07.30m	0:00:48	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 27_5 
13.60m	0:01:03	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 27_6 
13.60m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

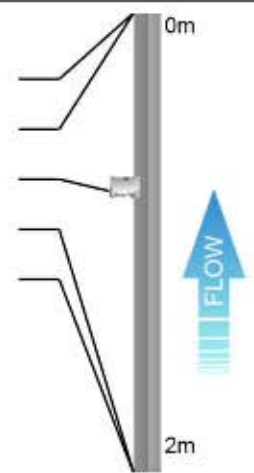
Section 29

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH09 0.88	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	LATC 0.00	Direction: Use: Material:	U S VC	Height/Dia: Shape: Cleaned	100 C N
--	--------------	---	--------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.80m	JN	Junction 03 : 100mm Diameter		28_2	0:00:18
02.00m	LDF	Line of drain/sewer deviates down [full]		28_3	0:00:24
02.00m	SA	Survey abandoned			





Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 29

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH09	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.80m	0:00:18	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 28_2 
02.00m	0:00:24	LDF	Line of drain/sewer deviates down [full]	Image Provided - Ref: 28_3 
02.00m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

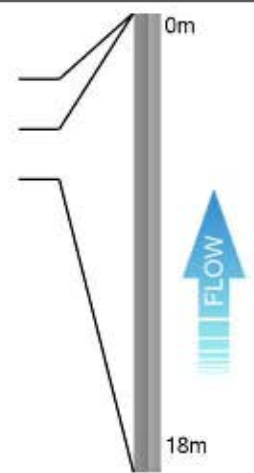
Section 30

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH09	Finish Node Ref: MH15	Direction: U	Height/Dia: 300
Start Node Depth: 2.75	Finish Node Depth: 2.60	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	18	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 30%	S1		0:00:00
18.00m	MHF	Finish node type, manhole			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 30

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH09	
00.00m	0:00:00	S1 WL	Water level 0m - 18m: 30% Height/Diameter Poor visibility.	
18.00m		MHF	Finish node type, manhole MH15	

Total Defects for section



DRB Grade for Section



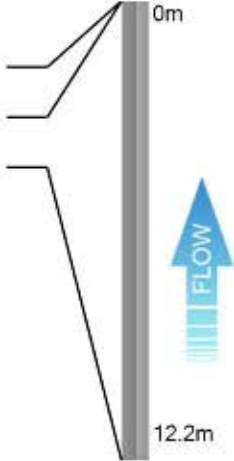
Site: Gawber Road , Barnsley

Section 31

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH11	Finish Node Ref: MH12	Direction: U	Height/Dia: 100
Start Node Depth: 1.94	Finish Node Depth: 2.01	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	12.2	LATA

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	S1 Water level 5%	S1		0:00:00	
12.20m	MHF	Finish node type, manhole				

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 31

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH11	
00.00m	0:00:00	S1 WL	Water level 0m - 12.2m: 5% Height/Diameter	
12.20m		MHF	Finish node type, manhole MH12	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

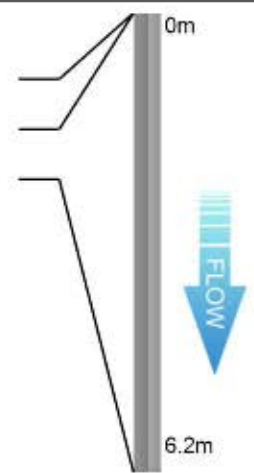
Section 32

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH11	Finish Node Ref: MH14	Direction: D	Height/Dia: 225
Start Node Depth: 2.12	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	6.2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 10%	S1		0:00:00
06.20m	MHF	Finish node type, manhole			31_9



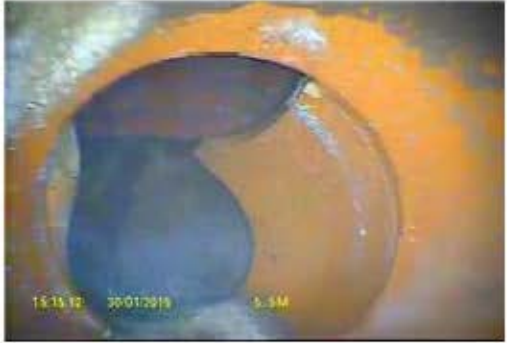
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 32

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH11	
00.00m	0:00:00	S1 WL	Water level 0m - 6.2m: 10% Height/Diameter	
06.20m		MHF	Finish node type, manhole MH14	Image Provided - Ref: 31_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

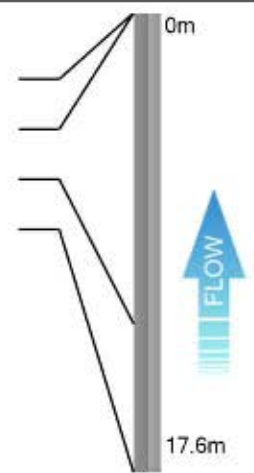
Section 33

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH11 2.11	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	225 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	17.6	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 30%	S1		0:00:00
11.90m	JDM	Joint displaced medium			32_2 0:01:29
17.60m	SA	Survey abandoned			32_9



Total Defects for section

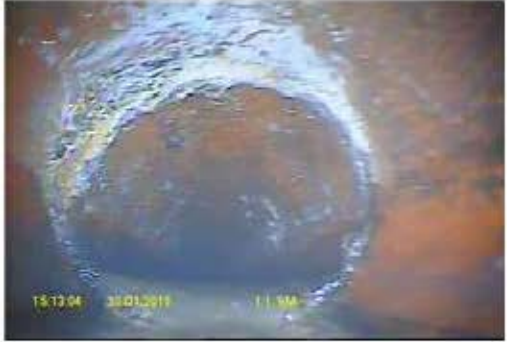



DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 33

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH11	
00.00m	0:00:00	S1 WL	Water level 0m - 17.6m: 30% Height/Diameter	
11.90m	0:01:29	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 32_2 
17.60m		SA	Survey abandoned SA	Image Provided - Ref: 32_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

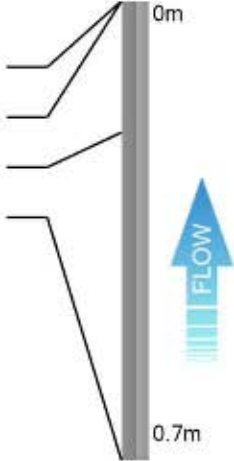
Section 34

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH12 2.00	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	100 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	0.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
00.20m	DEG	Attached deposits, grease 03-09 70%		33_2	0:00:08
00.70m	SA	Survey abandoned			



Total Defects for section




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 34

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH12	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.20m	0:00:08	DEG	Attached deposits, grease from 03 o'clock to 09 o'clock: 70% Cross sectional area loss - Severity 3	Image Provided - Ref: 33_2 
00.70m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 35

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH15	Finish Node Ref: LATA	Direction: U	Height/Dia: 150
Start Node Depth: 2.34	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	27.7	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
13.60m	JDL	Joint displaced large		34_2	0:00:37
14.80m	JN	Junction 01 : 100mm Diameter		34_3	0:00:41
16.80m	JN	Junction 11 : 11mm Diameter		34_4	0:00:51
27.70m	DER	Settled deposits coarse 60%		34_5	0:01:24
27.70m	JN	Junction 09 : 100mm Diameter		34_6	0:00:00
27.70m	SA	Survey abandoned			

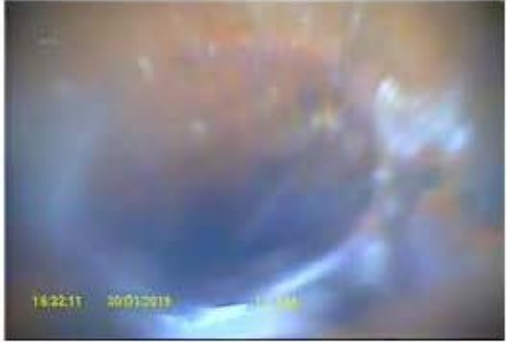
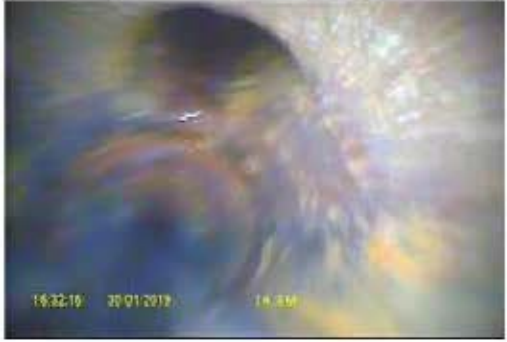
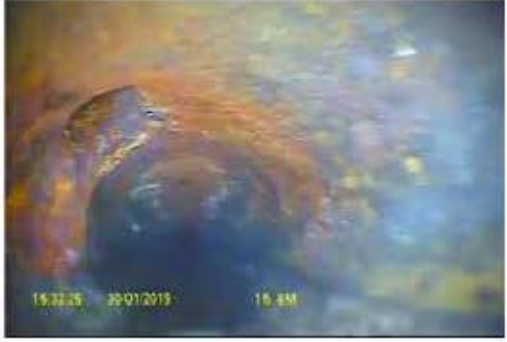
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 35



Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH15	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
13.60m	0:00:37	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 34_2 
14.80m	0:00:41	JN	Junction at 01 o'clock: 100mm Diameter	Image Provided - Ref: 34_3 
16.80m	0:00:51	JN	Junction at 11 o'clock: 11mm Diameter	Image Provided - Ref: 34_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
27.70m	0:01:24	DER	Settled deposits coarse: 60% Cross sectional area loss - Severity 3	Image Provided - Ref: 34_5 
27.70m	0:00:00	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 34_6 
27.70m		SA	Survey abandoned LATA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

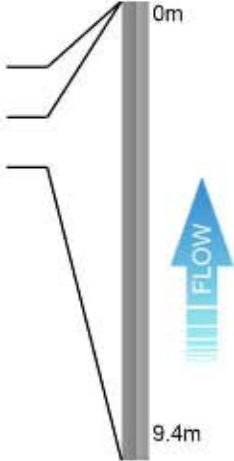
Section 36

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH15	Finish Node Ref: MH14	Direction: U	Height/Dia: 300
Start Node Depth: 2.58	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9.4	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	S1 Water level 20%	S1		0:00:00
09.40m	MHF	Finish node type, manhole			35_9




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 36

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH15	
00.00m	0:00:00	S1 WL	Water level 0m - 9.4m: 20% Height/Diameter	
09.40m		MHF	Finish node type, manhole MH14	Image Provided - Ref: 35_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

Section 37

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH15 2.60	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SA 0.00	Direction: Use: Material:	D F VC	Height/Dia: Shape: Cleaned	300 C N
--	--------------	---	------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	19.6	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
06.50m	CUW	S1 Loss of vision, camera under water	S1	36_2	0:00:26
19.60m	SA	Survey abandoned			


Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 37

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH15	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.50m	0:00:26	S1 CUW	Loss of vision, camera under water 6.5m - 19.6m	Image Provided - Ref: 36_2 
19.60m		SA	Survey abandoned SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

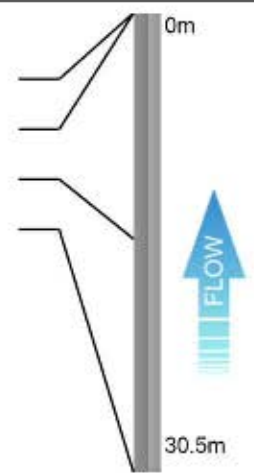
Section 38

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
----------------------------------	---	--------------------------------------	---------------	--	----------------------------

Start Node Ref: MH17	Finish Node Ref: SA	Direction: U	Height/Dia: 225
Start Node Depth: 2.25	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	30.5	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
15.00m	JDM	Joint displaced medium			37_2 0:00:49
30.50m	MHF	Finish node type, manhole			



Total Defects for section




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 38

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH17	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
15.00m	0:00:49	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 37_2 
30.50m		MHF	Finish node type, manhole SA	

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

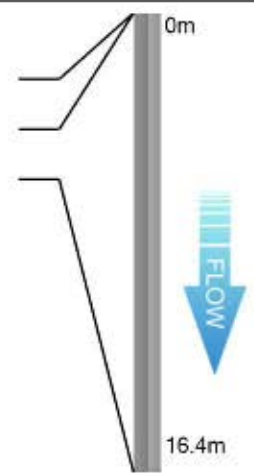
Section 39

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: MH17	Finish Node Ref: MH14	Direction: D	Height/Dia: 225
Start Node Depth: 2.27	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned N

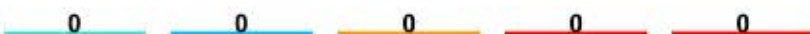
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	16.4	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
16.40m	MHF	Finish node type, manhole			38_9




Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 39

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH17	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
16.40m		MHF	Finish node type, manhole MH14	Image Provided - Ref: 38_9999 

Total Defects for section



DRB Grade for Section



Site: Gawber Road , Barnsley

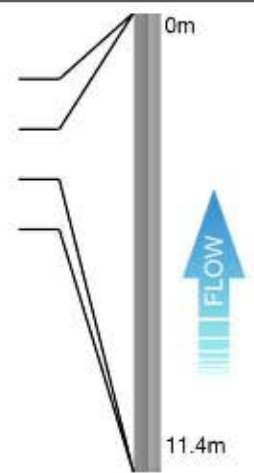
Section 40

Client: Mott Macdonald	Location (Street Name): Gawber Road	City/Town/Village Barnsley	Cust Job Ref.	Surveyors Name: Jordan Beckett	Date: 28/01/2019
---------------------------	--	-------------------------------	---------------	-----------------------------------	---------------------

Start Node Ref: Start Node Depth: Start Node Coordinate:	MH17 2.13	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	LATA 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	150 C N
--	--------------	---	--------------	---------------------------------	--------------	----------------------------------	---------------

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	11.4	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
11.40m	JDL	Joint displaced large			39_2 0:00:23
11.40m	SA	Survey abandoned			



Total Defects for section




DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 40

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH17	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
11.40m	0:00:23	JDL	Joint displaced large - Severity 4	Image Provided - Ref: 39_2 
11.40m		SA	Survey abandoned LATA	



1ST HORIZON

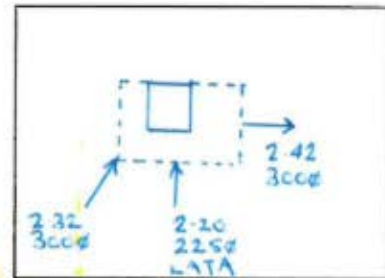
Daily inspection sheet.

PROJECT NAME	Burnside Hospital	SURVEY DATE	28/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

MH No	01								
COVER SHAPE	Square	/	Rectangle		Triangle		Circle		Other
COVER DUTY	Light		Medium		Heavy	/			
CONSTRUCTION	Concrete		Brick	/	Plastic				
FUNCTION AT OUTFALL	Surface		Foul	/	Combined				

NOTES

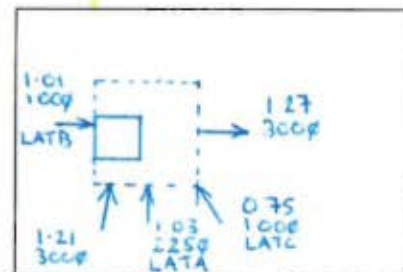
Depth of cover = 0.46m
Frame changed



MH No	02								
COVER SHAPE	Square	/	Rectangle		Triangle		Circle		Other
COVER DUTY	Light		Medium		Heavy	/			
CONSTRUCTION	Concrete		Brick	/	Plastic				
FUNCTION AT OUTFALL	Surface	/	Foul		Combined				

NOTES

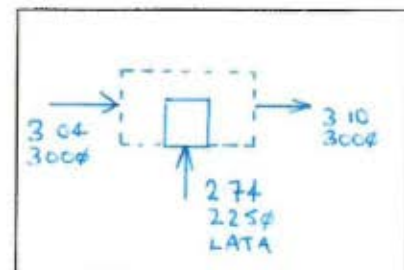
Depth of cover = 0.36m



MH No	03								
COVER SHAPE	Square	/	Rectangle		Triangle		Circle		Other
COVER DUTY	Light		Medium		Heavy	/			
CONSTRUCTION	Concrete		Brick	/	Plastic				
FUNCTION AT OUTFALL	Surface		Foul	/	Combined				

NOTES

Depth of cover = 0.40m





1ST HORIZON

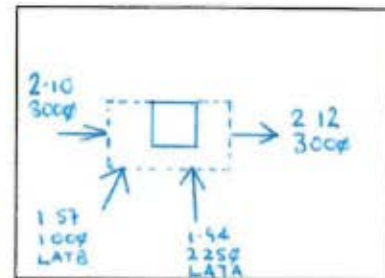
Daily inspection sheet.

PROJECT NAME	Bumhey Hospital	SURVEY DATE	28/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-----------------	-------------	----------	--------	----	-------------	----

MH No	04									
COVER SHAPE	Square	<input checked="" type="checkbox"/>	Rectangle	<input type="checkbox"/>	Triangle	<input type="checkbox"/>	Circle	<input type="checkbox"/>	Other	<input type="checkbox"/>
COVER DUTY	Light	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Heavy	<input checked="" type="checkbox"/>				
CONSTRUCTION	Concrete	<input type="checkbox"/>	Brick	<input checked="" type="checkbox"/>	Plastic	<input type="checkbox"/>				
FUNCTION AT OUTFALL	Surface	<input checked="" type="checkbox"/>	Foul	<input type="checkbox"/>	Combined	<input type="checkbox"/>				

NOTES

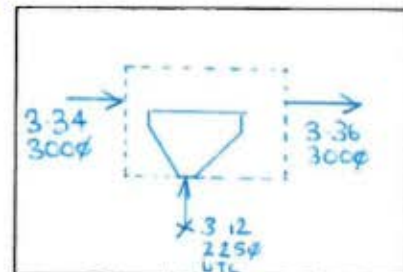
Depth of cover = 0.50m



MH No	05									
COVER SHAPE	Square	<input type="checkbox"/>	Rectangle	<input type="checkbox"/>	Triangle	<input checked="" type="checkbox"/>	Circle	<input type="checkbox"/>	Other	<input type="checkbox"/>
COVER DUTY	Light	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Heavy	<input checked="" type="checkbox"/>				
CONSTRUCTION	Concrete	<input type="checkbox"/>	Brick	<input checked="" type="checkbox"/>	Plastic	<input type="checkbox"/>				
FUNCTION AT OUTFALL	Surface	<input type="checkbox"/>	Foul	<input checked="" type="checkbox"/>	Combined	<input type="checkbox"/>				

NOTES

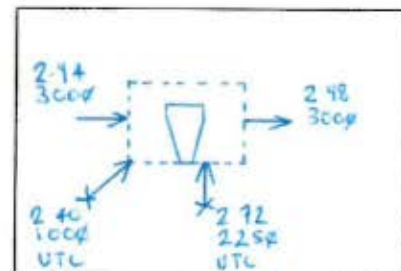
Depth of cover = 1.72m
Unable to Camera
Man Access Required



MH No	06									
COVER SHAPE	Square	<input type="checkbox"/>	Rectangle	<input type="checkbox"/>	Triangle	<input checked="" type="checkbox"/>	Circle	<input type="checkbox"/>	Other	<input type="checkbox"/>
COVER DUTY	Light	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Heavy	<input checked="" type="checkbox"/>				
CONSTRUCTION	Concrete	<input type="checkbox"/>	Brick	<input checked="" type="checkbox"/>	Plastic	<input type="checkbox"/>				
FUNCTION AT OUTFALL	Surface	<input checked="" type="checkbox"/>	Foul	<input type="checkbox"/>	Combined	<input type="checkbox"/>				

NOTES

Depth of cover = 1.35m
Man Access Required
Unable to Camera





1ST HORIZON

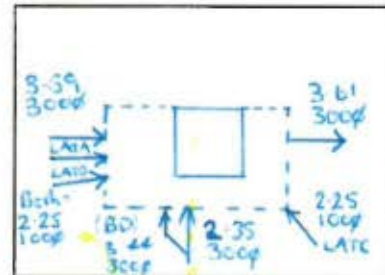
Daily inspection sheet.

PROJECT NAME	Bourasat Hospital	SURVEY DATE	28/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

MH No	07						
COVER SHAPE	Square	Rectangle	<input checked="" type="checkbox"/>	Triangle	Circle	Other	
COVER DUTY	Light	Medium		Heavy			
CONSTRUCTION	Concrete	Brick	<input checked="" type="checkbox"/>	Plastic			
FUNCTION AT OUTFALL	Surface	Foul	<input checked="" type="checkbox"/>	Combined			

NOTES

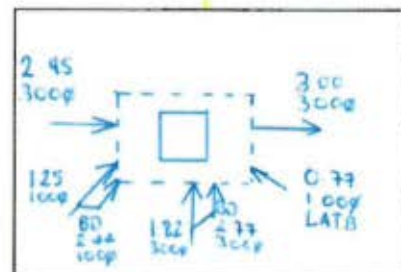
Depth of cover = 1.55m
Back Drop (BD)



MH No	08						
COVER SHAPE	Square	Rectangle	<input checked="" type="checkbox"/>	Triangle	Circle	Other	
COVER DUTY	Light	Medium		Heavy			
CONSTRUCTION	Concrete	Brick	<input checked="" type="checkbox"/>	Plastic			
FUNCTION AT OUTFALL	Surface	Foul		Combined			

NOTES

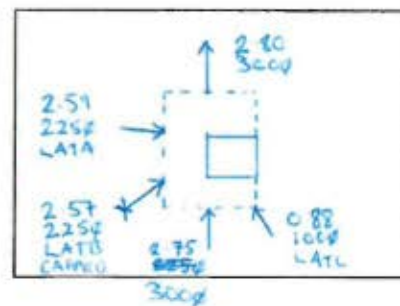
Depth of cover = 0.99m



MH No	09						
COVER SHAPE	Square	Rectangle	<input checked="" type="checkbox"/>	Triangle	Circle	Other	
COVER DUTY	Light	Medium		Heavy			
CONSTRUCTION	Concrete	Brick	<input checked="" type="checkbox"/>	Plastic			
FUNCTION AT OUTFALL	Surface	Foul	<input checked="" type="checkbox"/>	Combined			

NOTES

Depth of cover = 1.22m





1ST HORIZON

Daily inspection sheet.

PROJECT NAME	Burghley Hospital	SURVEY DATE	29/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

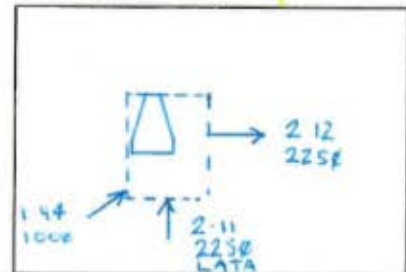
MH No	10							
COVER SHAPE	Square		Rectangle	/	Triangle		Circle	Other
COVER DUTY	Light		Medium		Heavy	/		
CONSTRUCTION	Concrete		Brick		Plastic			
FUNCTION AT OUTFALL	Surface		Foul	/	Combined			



NOTES

Unable to lift, Risk of Damage.

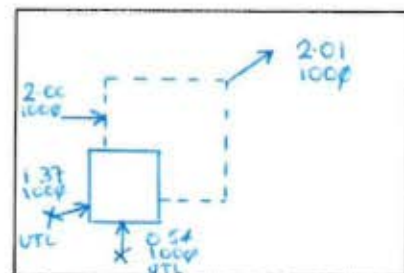
MH No	11							
COVER SHAPE	Square		Rectangle	/	Triangle	/	Circle	Other
COVER DUTY	Light		Medium		Heavy	/		
CONSTRUCTION	Concrete		Brick	/	Plastic			
FUNCTION AT OUTFALL	Surface		Foul	/	Combined			



NOTES

Depth of cover = 0.34m

MH No	12							
COVER SHAPE	Square	/	Rectangle		Triangle		Circle	Other
COVER DUTY	Light	/	Medium		Heavy			
CONSTRUCTION	Concrete		Brick	/	Plastic			
FUNCTION AT OUTFALL	Surface		Foul	/	Combined			



NOTES

Depth of cover = 0.31m



1ST HORIZON

Daily inspection sheet.

PROJECT NAME	Burnley Hospitals	SURVEY DATE	24/10/19	CLIENT	MM	SURVEYED BY	SB
--------------	-------------------	-------------	----------	--------	----	-------------	----

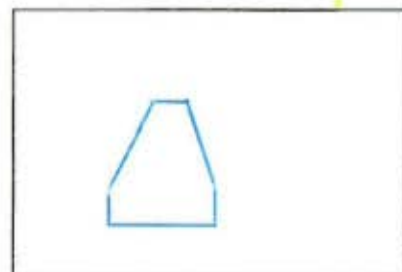
MH No	13						
COVER SHAPE	Square		Rectangle		Triangle	/	Circle
COVER DUTY	Light		Medium		Heavy	/	Other
CONSTRUCTION	Concrete		Brick		Plastic		
FUNCTION AT OUTFALL	Surface	/	Foul		Combined		



NOTES

Unable to lift due to risk of damage

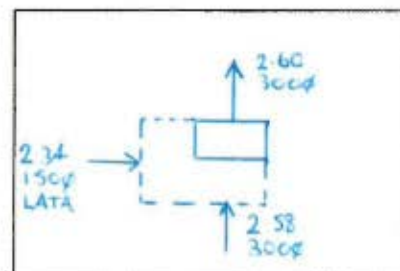
MH No	14						
COVER SHAPE	Square		Rectangle		Triangle	/	Circle
COVER DUTY	Light		Medium		Heavy	/	Other
CONSTRUCTION	Concrete		Brick		Plastic		
FUNCTION AT OUTFALL	Surface		Foul	/	Combined		



NOTES

Unable to lift due to risk of damage

MH No	15						
COVER SHAPE	Square		Rectangle	/	Triangle		Circle
COVER DUTY	Light		Medium		Heavy	/	Other
CONSTRUCTION	Concrete		Brick	/	Plastic		
FUNCTION AT OUTFALL	Surface		Foul	/	Combined		



NOTES

Depth of cover = 0.43m

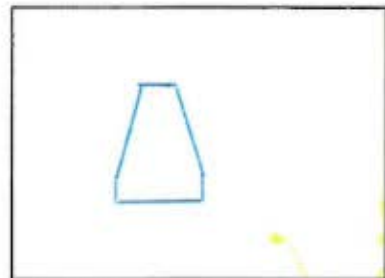


1ST HORIZON

Daily inspection sheet.

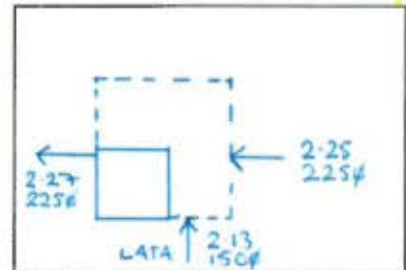
PROJECT NAME	Plumtree Hospital	SURVEY DATE	29/01/14	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

MH No	16									
COVER SHAPE	Square		Rectangle		Triangle	/	Circle		Other	
COVER DUTY	Light		Medium		Heavy	/				
CONSTRUCTION	Concrete		Brick		Plastic					
FUNCTION AT OUTFALL	Surface	/	Foul		Combined					



NOTES
Unable to lift due to risk of damage.

MH No	17									
COVER SHAPE	Square	/	Rectangle		Triangle		Circle		Other	
COVER DUTY	Light	/	Medium		Heavy					
CONSTRUCTION	Concrete		Brick	/	Plastic					
FUNCTION AT OUTFALL	Surface		Foul	/	Combined					



NOTES
Depth of cover = 0.4m

MH No										
COVER SHAPE	Square		Rectangle		Triangle		Circle		Other	
COVER DUTY	Light		Medium		Heavy					
CONSTRUCTION	Concrete		Brick		Plastic					
FUNCTION AT OUTFALL	Surface		Foul		Combined					



NOTES



1ST HORIZON

Daily Remarks sheet.

PROJECT NAME	Burnsley Hospital	SURVEY DATE	28/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

Manhole		Sewer Diameter (mm)	Material	Recorded Meterage	Upstream	Downstream	Survey Abandoned	Remarks
Start	Finish							
MHO1	SA	300	VC	26.4m	✓		✓	
MHO1	SA	225	VC	84.8m	✓		✓	
MHO1	SA	300	VC	22.7m		✓	✓	
MHO2	SA	300	VC	25.1m	✓		✓	
MHO2	SA	300	VC	35.9m		✓	✓	
MHO2	SA	225	VC	16.2m	✓		✓	LATA
MHO2	Gully	100	VC	14.4m	✓		✓	LATB
MHO2	Gully	100	VC	5.2m	✓		✓	LATC
MHO3	SA	300	VC	22.8m	✓		✓	
MHO3	SA	225	VC	32.8m	✓		✓	LATA
MHO3	SA	300	VC	46m		✓	✓	
MHO4	SA	300	VC	23.3m	✓		✓	
MHO4	SA	300	VC	24.5m		✓	✓	
MHO4	Building	225	VC	16.9m	✓		✓	LATA
MHO4	SA	100	VC	3.7m	✓		✓	LATB (Gully)
MHO6	SA	300	VC	24.1m	✓		✓	
MHO6	SA	300	VC	27.3m		✓	✓	
MHO7	SA	300	VC	62.2m		✓	✓	
MHO7	SA	100	VC	11.4m	✓		✓	LATA
MHO7	SA	100	VC	9.1m	✓		✓	LATB
MHO7	SA	100	VC	20.7m	✓		✓	LATC
MHO8	SA	300	VC	37.2m	✓		✓	

TOTAL 542.6m

Down Time

Meterage Checked

Reason for down time:

Additional comments:



1ST HORIZON

Daily Remarks sheet.

PROJECT NAME	Barnsley Hospital	SURVEY DATE	29/01/19	CLIENT	MM	SURVEYED BY	JB
--------------	-------------------	-------------	----------	--------	----	-------------	----

Manhole		Sewer Diameter (mm)	Material	Recorded Meterage	Upstream	Downstream	Survey Abandoned	Remarks
Start	Finish							
MHC8	SA	300	VC	4.4m		✓	✓	
MHC8	MH10	300	VC	29.5m	✓			
MHC8	Bully	100	VC	16.2m	✓			LAT A
MHC8	Bully	100	VC	8m	✓			LAT B.
MHC9	MHC7	300	VC	29.7m		✓		
MHC9	Bunding	225	VC	13.6m	✓		✓	LAT A
MHC9	MH15	300	VC	18.0m	✓			
MHC9	SA	100	VC	2.0m	✓		✓	LAT C
MH11	MH12	100	VC	12.2m	✓			LAT A
MH11	Bunding	225	VC	17.6m	✓		✓	
MH11	MH14	225	VC	6.20m		✓		
MH12	SA	100	VC	0.7m	✓		✓	
MH15	SA	150	VC	27.7m	✓		✓	LAT A
MH15	MH14	300	VC	9.4m	✓			
MH15	SA	300	VC	19.6m		✓	✓	
MH17	SA	225	VC	30.5m	✓		✓	
MH17	MH14	225	VC	16.4m		✓	✓	
MH17	SA	150	VC	11.4m	✓		✓	LATA
				TOTAL				

313.5m

Down Time

Meterage Checked

Reason for down time:

Additional comments:

