DRAINAGE INVESTIGATION REPORT

CLIENT	CONNECT HOUSING ASSOCIATION LTD
SITE	NEWSOME MILL HUDDERSFIELD
DATE	05/09/2022
JOB No.	8203

- **Comprehensive Site Surveys**
- **Drainage Rehabilitation**
- **Pipeline and Ancillary Installation**
- **Maintenance Programme Appraisal & implementation**

LIBERTY STEEL MILLS, SHEFFIELD RD, S60 IBN
Telephone 0845 2300 939
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CCTV REPORT HEADER CODE EXPLANATION

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Detailed below are explanations for the standard Water Research Council (WRC) CCTV report header codes. Whilst WRC defect codes are also included within the body of the report, they are accompanied by an explanation in the "Observation" column. Please contact Environmental Drainage Solutions on the number below if you wish to discuss any aspect of this report.

CODE	LOCATION DESCRIPTION
A	Main road - urban (town or city centre with heavy goods vehicles)
B	Main road - suburban/rural (all other roads with heavy goods vehicles)
C	Light road (rural roads with light traffic, town and city back streets, estate roads and parking areas)
D	Footpath or verge (within the highway boundary)
E	Fields (farmland and public open space)
F	Gardens (within private property)
G	Woodland
X	Difficult access (Motorway, railway, watercourse, inside building).

CODE	PIPE MATERIAL DESCRIPTION
AC	Asbestos cement
AK	Alkathene
BR	Brick
CC	Concrete box culvert
CI	Cast Iron
CO	Concrete
CSB	Concrete segments (bolted)
CSU	Concrete segments (unbolted)
DI	Ductile iron
GRC	Glass reinforced cement
GRP	Glass reinforced plastic
MAC	Masonry - in regular courses
MAR	Masonry - randomly coursed
PE	Polyethylene
PF	Pitch fibre
PP	Polypropylene
PSC	Plastic/steel composite
PVC	Polyvinyl chloride
RPM	Reinforced plastic matrix
SI	Spun (grey) iron
ST	Steel
VC	Vitrified clay (ie all clayware)
XXX	Other (state in comments)
ZZZ	Not known

CODE	PIPE SHAPE DESCRIPTION
A	Arched (with flat bottom)
B	Barrel (e.g. beer barrel shape)
C	Circular
E	Egg shaped
H	Horshoe (i.e. inverted U)
O	Oval
R	Rectangular
S	Square
T	Trapezoidal
U	U-shaped with flat top
X	Other (state in comments)

CODE	WEATHER DESCRIPTION
1	Dry
2	Heavy rain
3	Light rain
4	Showers
5	Snow

CODE	PIPE LINING DESCRIPTION
BL	Bitumen
CL	Cement
IS	Soft inversion type liner
PL	Plastic
RL	Resin
XXX	Other (state in comments)
ZZZ	Not known

CODE	PIPE USE DESCRIPTION
C	Combined
F	Foul
S	Surface Water
T	Trade Effluent
W	Watercourse
X	Other
Z	Not known

CODE	SURVEY DIRECTION DESCRIPTION
D	Downstream
U	Upstream

STRUCTURAL PERFORMANCE ASSESSMENT CRITERIA

CLAYWARE AND CONCRETE DRAINAGE

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Detailed below are the criteria used for the assessment of severity of defects in accordance with the Water Research Council (WRC). Proposed remedial works are based upon these assessments in conjunction with many other issues such as nature of original problem (if any), implications of collapse (depth, location etc), frequency of surcharging, and many more. Most drainage systems exhibit structural defects of some sort and the WRC assessments can only be a guideline. In the right ground conditions, quite serious defects can be stable for many years. We aim to provide a reasonable, balanced recommendation for remedial works, based upon our experience and following consultation with the client. Please contact Environmental Drainage Solutions if you wish to discuss any aspect of this report.

DEFECT	STRUCTURAL IMPLICATION
CIRCUMFERENTIAL CRACK	MINIMAL COLLAPSE RISK IN SHORT TERM, BUT POTENTIAL FOR FURTHER DETERIORATION
MEDIUM JOINT DISPLACEMENT	MINIMAL COLLAPSE RISK IN SHORT TERM, BUT POTENTIAL FOR FURTHER DETERIORATION
MEDIUM OPEN JOINT	MINIMAL COLLAPSE RISK IN SHORT TERM, BUT POTENTIAL FOR FURTHER DETERIORATION
SLIGHT SPALLING OR WEAR	MINIMAL COLLAPSE RISK IN SHORT TERM, BUT POTENTIAL FOR FURTHER DETERIORATION
FRACTURE WITH DEFORMATION <5%	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
LONGITUDINAL OR MULTIPLE CRACKING	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
MINOR LOSS OF LEVEL (i.e. DIP IN PIPE)	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
LARGE DISPLACED JOINT	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
LARGE OPEN JOINT	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
SLIGHT SPALLING OR WEAR	COLLAPSE UNLIKELY IN NEAR FUTURE BUT FURTHER DETERIORATION LIKELY
BROKEN PIPEWORK	COLLAPSE LIKELY IN FORESEEABLE FUTURE
BROKEN PIPEWORK WITH DEFORMATION <10%	COLLAPSE LIKELY IN FORESEEABLE FUTURE
FRACTURE WITH DEFORMATION <10%	COLLAPSE LIKELY IN FORESEEABLE FUTURE
MULTIPLE FRACTURE	COLLAPSE LIKELY IN FORESEEABLE FUTURE
SERIOUS LOSS OF LEVEL	COLLAPSE LIKELY IN FORESEEABLE FUTURE
LARGE SPALLING OR WEAR	COLLAPSE LIKELY IN FORESEEABLE FUTURE
ALREADY COLLAPSED	COLLAPSED OR COLLAPSE IMMINENT
BROKEN PIPEWORK WITH DEFORMATION >10%	COLLAPSED OR COLLAPSE IMMINENT
EXTENSIVE AREAS OF FABRIC MISSING	COLLAPSED OR COLLAPSE IMMINENT
FRACTURE WITH DEFORMATION >10%	COLLAPSED OR COLLAPSE IMMINENT

CCTV REPORT SUMMARY

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SITE ADDRESS: NEWSOME MILL HUDDERSFIELD **DATE:** 05/09/2022

No.	FROM	TO	DIR	DIA(MM)	JET	COMMENTS
1	EDS1	EDS3	U	300		
2	EDS1	EDS2	D	300		
3	EDS1	BR B	U	150		
4	EDS4	EDS5	D	225		
5	EDS5	EDS4	D	225		
6	EDS9	BR A	U	150		
7	EDS9	BR B	U	150		
8	EDS9	BR X	D	150		
9	EDS6	EDS2	D	450		
10	EDS8	EDS6	D	300		
11	EDS8	EDS10	U	225		

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	1
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS1	2.46	EDS3	2.2	U	300	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS1
0.0	WL	Water Level	5%
10.0	JN	Junction	100MM DIA@ 1 O'CLOCK
11.0	JN	Junction	150MM DIA@ 11 O'CLOCK
13.7	JN	Junction	150MM DIA@ 3 O'CLOCK
30.9	JN	Junction	100MM DIA@ 1 O'CLOCK
32.0	JN	Junction	150MM DIA@ 11 O'CLOCK
39.6	CXI	Intruding defective connection	100MM DIA@ 12 O'CLOCK
40.6	GO	General observation	PARTIAL BLOCKAGE 50%
42.5	WL	Water Level	40%
47.0	WL	Water Level	5%
51.4	JN	Junction	100MM DIA@ 1 O'CLOCK
52.7	JN	Junction	100MM DIA@ 11 O'CLOCK
64.7	JN	Junction	150MM DIA@ 11 O'CLOCK
73.0	JN	Junction	100MM DIA@ 1 O'CLOCK
73.8	JN	Junction	100MM DIA@ 11 O'CLOCK
87.3	MH	Manhole or node	EDS3
87.3	GO	General observation	BLOCKAGE IN CHAMBER
87.3	FH	Finish survey	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	2
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS1	2.46	EDS2	2.55	D	300	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS1
0.0	WL	Water Level	5%
0.9	JN	Junction	150MM DIA@ 2 O'CLOCK
3.8	CXI	Intruding defective connection	100MM DIA@ 12 O'CLOCK
5.3	MH	Manhole or node	EDS2
5.3	FH	Finish survey	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	3
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS1	2.46	**BR B**		U	150	0	VC	C	

General comments	
	BR B = NO DEPTH (UNKNOWN)

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS1
0.0	WL	Water Level	0%
1.3	DE	Debris	5% STONES - STARTS
2.6	DE	Debris	30% STONES
3.1	SA	Survey abandoned	DUE TO DEBRIS

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	4
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS4	2.05	EDS5	1.4	D	225	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS4
0.0	WL	Water Level	5%
0.1	LR	Line of pipe deviates right	MEDIUM
3.0	LL	Line of pipe deviates left	SLIGHT
3.9	DE	Debris	20% - PAPER/FOUL
6.5	JDM	Medium joint displacement	
14.2	JN	Junction	150MM DIA@ 10 O'CLOCK
25.0	JDM	Medium joint displacement	
36.9	CXI	Intruding defective connection	150MM DIA@ 3 O'CLOCK
36.9	CM	Multiple cracks	
39.1	CXI	Intruding defective connection	100MM DIA@ 1 O'CLOCK
41.4	JN	Junction	100MM DIA@ 11 O'CLOCK
46.0	WL	Water Level	20%
46.0	MH	Manhole or node	EDS5
46.0	GO	General observation	BLOCKAGE IN MH
46.0	FH	Finish survey	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	5
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS5	1.4	**EDS4**	2.05	D	225	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS5
0.0	WL	Water Level	5%
5.0	LR	Line of pipe deviates right	SLIGHT
7.5	LL	Line of pipe deviates left	SEVERE
7.5	SA	Survey abandoned	UNABLE TO GO ROUND BEND
7.5	GO	General observation	EDS4 IN VIEW

CCTV REPORT SHEET

Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	6
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8293	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS9	1.11	**BR A**		U	150	0	VC	S	

General comments	
	BR A = NO DEPTH (UNKNOWN)

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS9
0.0	WL	Water Level	0%
1.9	DE	Debris	10% - ROOTS AND SOIL CONTINUES THROUGHOUT SU
2.1	CXI	Intruding defective connection	100MM DIA@ 12 O'CLOCK
2.1	DE	Debris	50%
2.1	SA	Survey abandoned	DUE TO TO DEBRIS

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	7
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS9	1.11	**BR B**		U	150	0	VC	S	

General comments	
	BR B = NO DEPTH (UNKNOWN)

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS9
0.0	WL	Water Level	0%
0.2	LL	Line of pipe deviates left	SEVERE
0.7	DE	Debris	100% RUBBLE
0.7	SA	Survey abandoned	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	8
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS9	1.11	**BR X**		D	150	0	VC	S	

General comments	
	BR X = NO DEPTH (UNKNOWN)

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS9
0.0	WL	Water Level	0%
0.8	LL	Line of pipe deviates left	SLIGHT
0.8	LD	Line of pipe deviates down	SLIGHT
1.3	CM	Multiple cracks	
2.4	LL	Line of pipe deviates left	SLIGHT
2.4	LD	Line of pipe deviates down	SLIGHT
2.9	LR	Line of pipe deviates right	SEVERE
2.9	DE	Debris	50% SOIL
2.9	SA	Survey abandoned	DUE TO BEND AND DEBRIS

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	9
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8302	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS6	3.16	EDS2	2.55	D	450	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS6
0.0	WL	Water Level	5%
2.2	CN	Connection at	150MM DIA@ 11 O'CLOCK
4.7	CN	Connection at	150MM DIA@ 12 O'CLOCK
9.4	CN	Connection at	150MM DIA@ 1 O'CLOCK
11.8	CN	Connection at	150MM DIA@ 1 O'CLOCK
12.9	CN	Connection at	150MM DIA@ 11 O'CLOCK
18.2	CN	Connection at	150MM DIA@ 11 O'CLOCK
27.1	CN	Connection at	150MM DIA@ 1 O'CLOCK
28.5	MH	Manhole or node	EDS2A - BURIED
33.2	CN	Connection at	150MM DIA@ 11 O'CLOCK
41.9	CN	Connection at	150MM DIA@ 11 O'CLOCK
53.0	CN	Connection at	150MM DIA@ 1 O'CLOCK
57.8	CN	Connection at	150MM DIA@ 1 O'CLOCK
69.4	CN	Connection at	150MM DIA@ 3 O'CLOCK
72.2	CN	Connection at	150MM DIA@ 1 O'CLOCK
72.7	CXI	Intruding defective connection	150MM DIA@ 11 O'CLOCK
74.5	MH	Manhole or node	EDS2
74.5	FH	Finish survey	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	10
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS8	3.09	**EDS6**	3.16	D	300	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS8
0.0	WL	Water Level	5%
5.4	MH	Manhole or node	EDS6
5.4	FH	Finish survey	

CCTV REPORT SHEET

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Client:	CONNECT HOUSING ASSOCIATION LTD	**Sheet No:**	11
Site:	NEWSOME MILL, HUDDERSFIELD	**Date:**	05/09/2022

Job No.	Operator	Location code	Weather	Pre clean	Shape	Lining	Tape No.
8203	KB	C	1		C		1

Start MH	Depth(m)	Finish MH	Depth(m)	Direction	Dia(mm)	Dim(mm)	Material	Use	Length(M)
EDS8	3.09	**EDS10**	2.68	U	225	0	VC	C	

General comments	

Count	Code	Observation	Remarks
0.0	ST	Start of survey	
0.0	MH	Manhole or node	EDS8
0.0	WL	Water Level	5%
39.2	MH	Manhole or node	EDS10
39.2	FH	Finish survey	

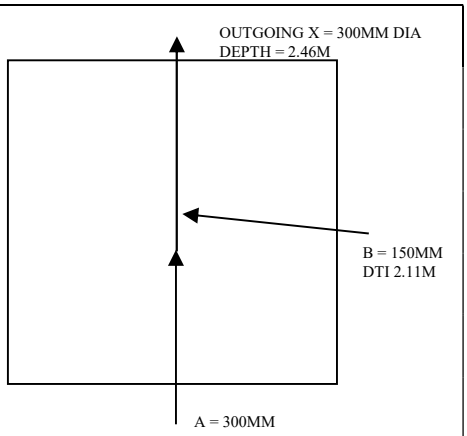
MANHOLE RECORD CARD

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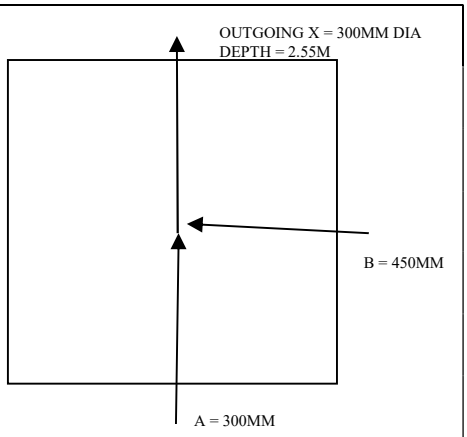
JOB No. 8203 SHEET 1 OF 4

CLIENT:- **CONNECT HOUSING** SITE:- NEWSOME MILL

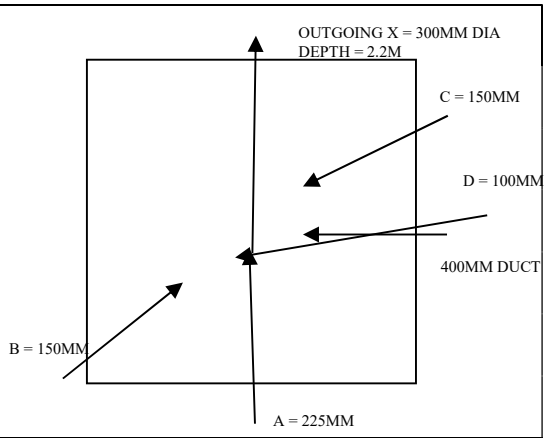
NODE REF	EDS1
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.46M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



NODE REF	EDS2
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.55M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	BRICK RUBBLE IN CHANNEL



NODE REF	EDS3
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.2M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	BRANCH D RUNS ALONG 400MM DUCT OBSTRUCTING FLOW IN CHAMBER



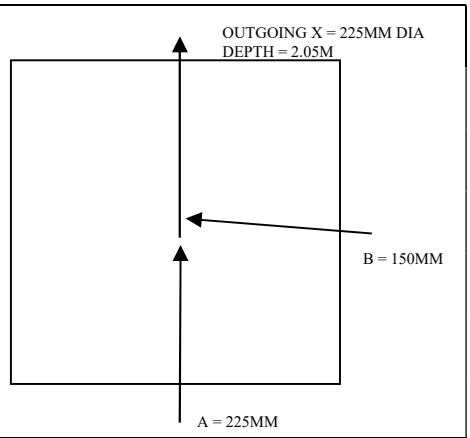
MH – MANHOLE, IC – INSPECTION CHAMBER, PU – PUBLIC, PR – PRIVATE
F – FOUL, SW – SURFACE WATER, C – COMBINED, BR – BRICK, PCC – PRE-CAST CONCRETE

MANHOLE RECORD CARD

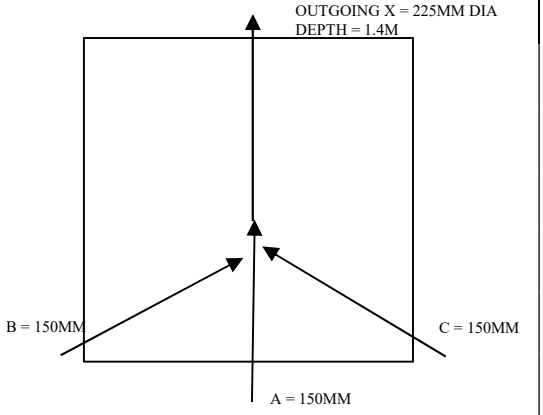
JOB No. 8203 SHEET 2 OF 4

CLIENT:- **CONNECT HOUSING** SITE:- NEWSOME MILL

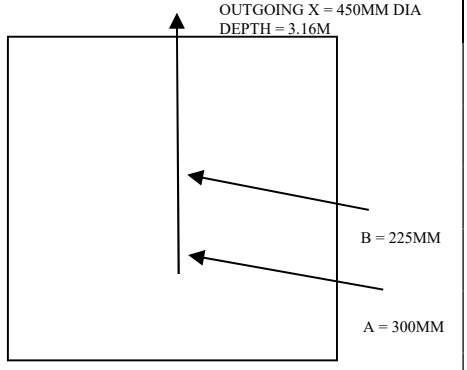
NODE REF	EDS4
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.05M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



NODE REF	EDS5
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	1.4M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



NODE REF	EDS6
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	3.16M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



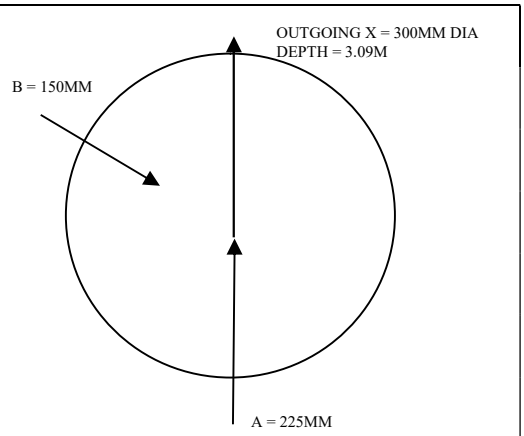
MH – MANHOLE, IC – INSPECTION CHAMBER, PU – PUBLIC, PR – PRIVATE
F – FOUL, SW – SURFACE WATER, C – COMBINED, BR – BRICK, PCC – PRE-CAST CONCRETE

MANHOLE RECORD CARD

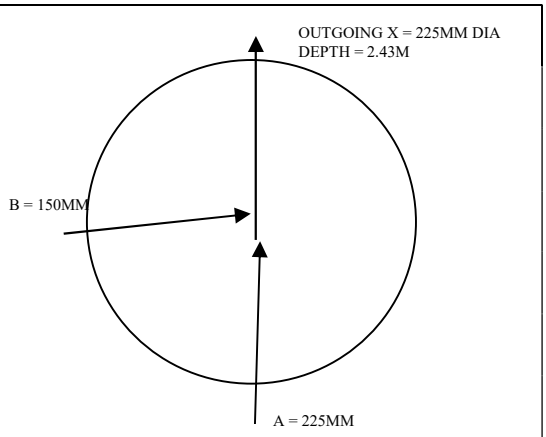
JOB No. 8203 SHEET 3 OF 4

CLIENT:- **CONNECT HOUSING** SITE:- NEWSOME MILL

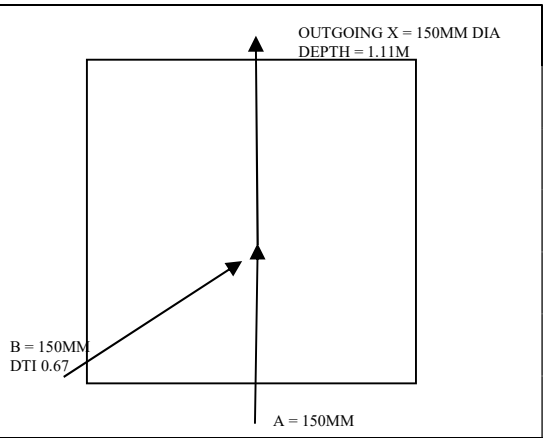
NODE REF	EDS7
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	3.09M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	BR B FROM ROAD GULLY



NODE REF	EDS8
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.43M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



NODE REF	EDS9
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	1.11M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



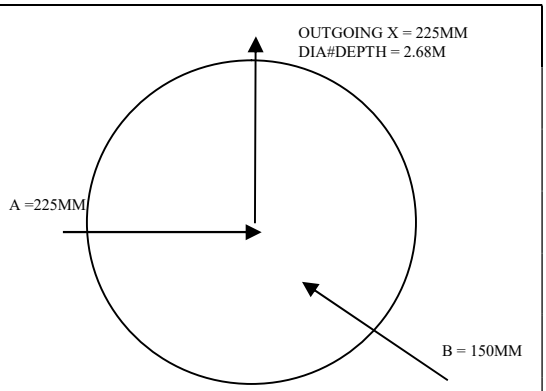
MH – MANHOLE, IC – INSPECTION CHAMBER, PU – PUBLIC, PR – PRIVATE
F – FOUL, SW – SURFACE WATER, C – COMBINED, BR – BRICK, PCC – PRE-CAST CONCRETE

MANHOLE RECORD CARD

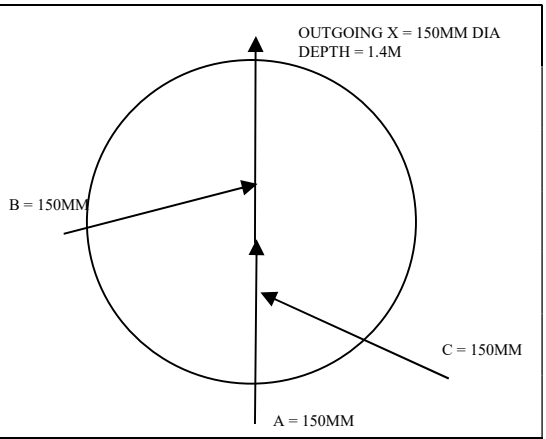
JOB No. 8203 SHEET 4 OF 4

CLIENT:- **CONNECT HOUSING** SITE:- NEWSOME MILL

NODE REF	EDS10
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	2.68M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



NODE REF	EDS11
SURVEY DATE	05/09/22
NODE TYPE	MH/IC/GULLY/OTHER
STATUS	PU/PR
FUNCTION	F/SW/C
INVERT DEPTH(M)	1.4M
CONSTRUCTION	BR/PCC/OTHER
REMARKS (Photos etc)	



MH – MANHOLE, IC – INSPECTION CHAMBER, PU – PUBLIC, PR – PRIVATE
F – FOUL, SW – SURFACE WATER, C – COMBINED, BR – BRICK, PCC – PRE-CAST CONCRETE

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP1 EDS1



GP2 EDS1 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP3 EDS2
BRICK RUBBLE IN CHANNEL



GP4 EDS2 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP5 EDS3
CABLE DUCT INTO CHAMBER. BR D OBSTRUCTING FLOW, NO ACCESS TO CCTV SURVEY. NO VEHICULAR ACCESS.



GP6 EDS3 LOCATION

SITE PHOTOS DATE :- 05/09/22

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SITE :- NEWSOME MILL JS:- 8203



GP7 EDS4



GP8 EDS4 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP9 EDS5



GP10 EDS5 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP11 EDS6



GP12 EDS6 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



EDS7

GP13



GP14 EDS7 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



EDS8

GP15



GP16 EDS8 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP17 EDS9



GP18 EDS9 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP19 EDS10



GP20 EDS10 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP21 EDS11



GP22 EDS11 LOCATION

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP23 EDS3 - VIEW UP DUCT FROM CHAMBER



GP24 EDS2A - BURIED

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP25 SERVICE DUCT



GP26 SERVICE DUCT LOCATION

SITE PHOTOS DATE :- 05/09/22

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SITE :- NEWSOME MILL JS:- 8203



GP27 NO VEHICULAR ACCESS ALONG LINE OF PUBLIC SEWER



GP28 UNABLE TO LOCATE ANY FURTHER CHAMBERS ON SITE

SITE PHOTOS DATE :- 05/09/22

SITE :- NEWSOME MILL JS:- 8203



GP29 UNABLE TO LOCATE ANY FURTHER CHAMBERS ON SITE



GP30 UNABLE TO LOCATE ANY FURTHER CHAMBERS ON SITE

SITE PHOTOS DATE :- 05/09/22

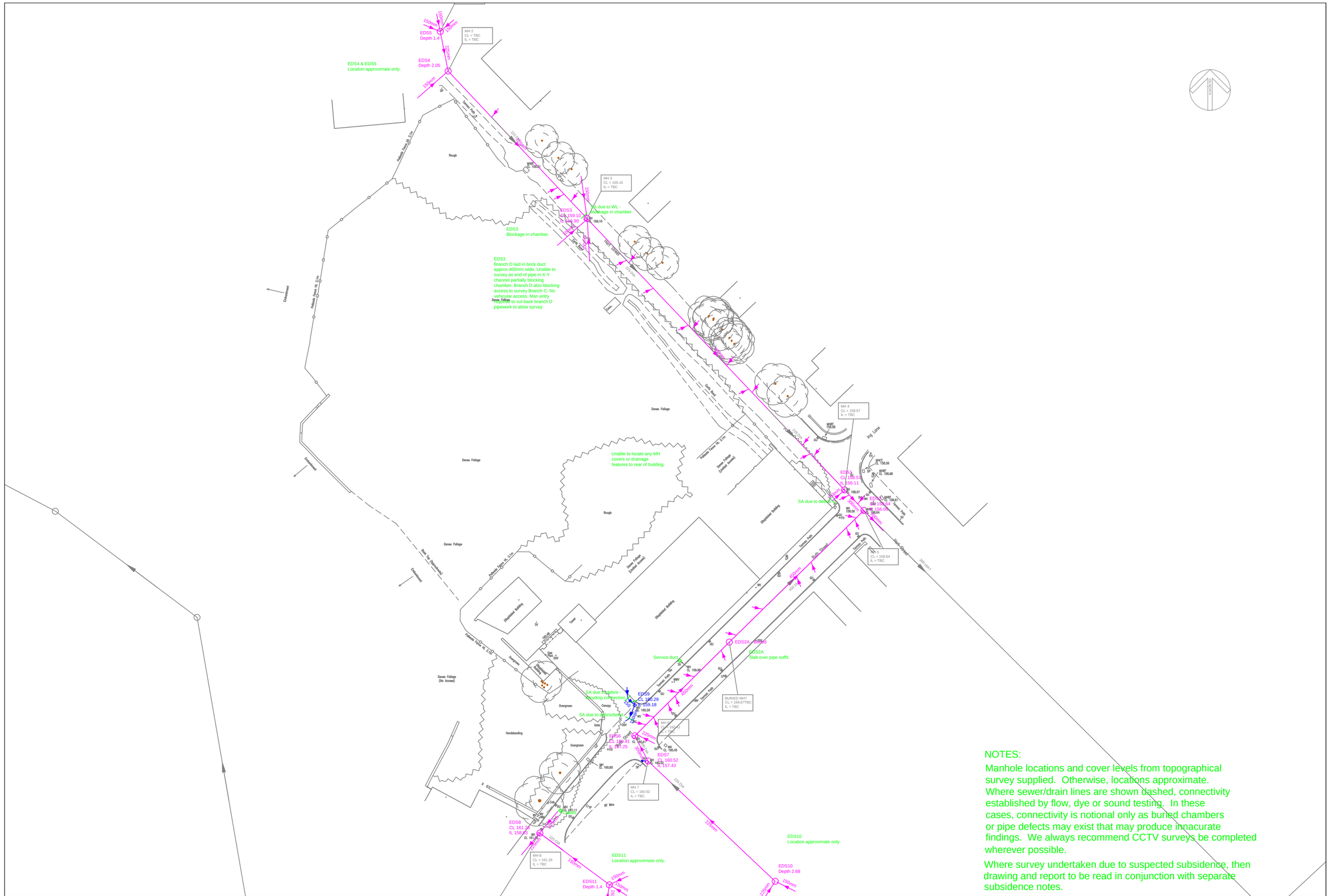
SITE :- NEWSOME MILL JS:- 8203



GP31 UNABLE TO LOCATE ANY FURTHER CHAMBERS ON SITE



GP32 UNABLE TO LOCATE ANY FURTHER CHAMBERS ON SITE


EDS5
Depth 1.4
150mm
150mm
150mm
MH 2
CL = TBC
IL = TBC
EDS4
Depth 2.05
EDS4 & EDS5
Location approximate only.
150mm
225mm
Rough
Hedge Top
Hedge Top
Hedge Top