

Defect Grade Description (Node)

Project Name 14479 EURO GARAGES BLACKPOOL	Project Number 14479	Project Date 08/12/2021
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1: Brick: No structural defects.
 Other Materials: No structural defects.
Acceptable structural condition.

2: Brick: Circumferential cracking; single longitudinal crack; surface mortar loss (depth missing < 15mm); surface damage - slight spalling (breaking away of small fragments from the surface); surface damage - slight wear (increased roughness).
 Other Materials: Circumferential crack; moderate joint defects (i.e. medium open joint or medium displaced joint); surface damage - slight spalling (breaking away of small fragments from the surface) or slight wear (increased roughness).
Minimal collapse likelihood in the short term but potential for further deterioration.

3: Brick: Medium mortar loss (depth missing 15-50mm) without other defects; more than one longitudinal crack (at a single location); multiple cracking; single bricks displaced; deformation < 5%; no fracture and only moderate mortar loss; surface damage - medium spalling (large areas of chipped brick); surface damage - medium wear (large area of brick surface is missing).
 Other Materials: Fracture with no deformation or deformation < 5%; longitudinal cracking or multiple cracking; minor loss of level; severe joint defects (i.e. large open joint or large displaced joint); surface damage - partial area of pipe surface is missing or worn.
Collapse unlikely in the near future but further deterioration likely

4: Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing).
 Other Materials: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severely worn.
Collapse likely in the foreseeable future

5: Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork.
 Other Materials: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10%
Collapsed or collapse imminent

Section Profile

Project Name 14479 EURO GARAGES BLACKPOOL	Project Number 14479	Project Date 08/12/2021
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Circular, 150 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	MH01A	MH01	08/12/2021	ANCHORSHOLME	Vitrified clay	2.42 m	2.42 m

Total: 1 Inspection x Circular 150 mm = 2.42 m Total Length and 2.42 m Inspected Length

Total: 1 Inspection = 2.42 m Total Length and 2.42 m Inspected Length

Node Profile

Project Name 14479 EURO GARAGES BLACKPOOL	Project Number 14479	Project Date 08/12/2021
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Manholes

Node No.	Node ID	Town or Village	Road	Node Depth	Date
1	MH01	BLACKPOOL	FLEETWOOD ROAD	1.760 m	14/12/2021
5	MH02	BLACKPOOL	FLEETWOOD ROAD	1.900 m	14/12/2021
6	MH03	BLACKPOOL	FLEETWOOD ROAD	3.800 m	14/12/2021
7	MH04	BLACKPOOL	FLEETWOOD ROAD	2.400 m	14/12/2021

Total: 4 Manholes

Total: 4 Nodes

Section Summary

Project Name 14479 EURO GARAGES BLACKPOOL	Project Number 14479	Project Date 08/12/2021
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Number of sections	4
Total length of sections	44.82 m
Total length of inspected sections	44.82 m
Total length of abandoned inspections	0.00 m
Number of abandoned inspections	3
Number of section inspection photos	9
Number of section inspection videos	4
Number of section inspection scans	0
Number of section inclination measurements	0

PLR: MH01AX	Upstream Node: MH01A
Inspection Direction: Upstream	Downstream Node: MH01
Inspected Length: 2.42 m	Dia/Height: 150 mm
Total Length: 2.42 m	Material: Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH01
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.60	DEX	Settled deposits, other, 10% cross-sectional area loss
4	1.95	DEE	Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss
5	2.42	GYF	Finish node, gully, reference: MH01A

PLR: MH01CX	Upstream Node: MH01C
Inspection Direction: Upstream	Downstream Node: MH01
Inspected Length: 29.70 m	Dia/Height: 225 mm
Total Length: 29.70 m	Material: Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH01
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.70	CN	Connection other than junction, at 3 o'clock , 150 mm dia @CON
4	7.32	JN	Junction, at 10 o'clock , 100 mm dia @CON
5	10.40	JN	Junction, at 2 o'clock , 100 mm dia @CON
6	12.13	JN	Junction, at 2 o'clock , 100 mm dia @CON
7	12.73	JN	Junction, at 10 o'clock , 100 mm dia @CON
8	12.96	DEE	Attached deposits, encrustation, from 12 o'clock to 5 o'clock, 20% cross-sectional area loss
9	13.58	DEE	Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss
10	22.13	JN	Junction, at 2 o'clock , 100 mm dia @CON
11	23.19	JN	Junction, at 2 o'clock , 100 mm dia @CON

Section Summary

Project Name 14479 EURO GARAGES BLACKPOOL	Project Number 14479	Project Date 08/12/2021
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No.	m+	Code	Observation
12	23.83	JN	Junction, at 10 o'clock , 100 mm dia @CON
13	28.93	DER	Settled deposits, coarse, 10% cross-sectional area loss
14	29.70	SA	Survey abandoned

PLR:	MH01X	Upstream Node:	MH01
Inspection Direction:	Upstream	Downstream Node:	MH02
Inspected Length:	12.10 m	Dia/Height:	225 mm
Total Length:	12.10 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH02
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.70	DEX	Settled deposits, other, 10% cross-sectional area loss, start
4	1.08	JN	Junction, at 2 o'clock , 100 mm dia @CON
5	3.42	DEX	Settled deposits, other, 10% cross-sectional area loss, finish
6	4.70	DEEJ	Attached deposits, encrustation at joint, from 1 o'clock to 5 o'clock, 15% cross-sectional area loss
7	9.38	JN	Junction, at 2 o'clock , 100 mm dia @CON
8	11.19	JN	Junction, at 1 o'clock , 100 mm dia @CON
9	11.19	DEE	Attached deposits, encrustation, from 1 o'clock to 5 o'clock, 20% cross-sectional area loss
10	12.10	SA	Survey abandoned

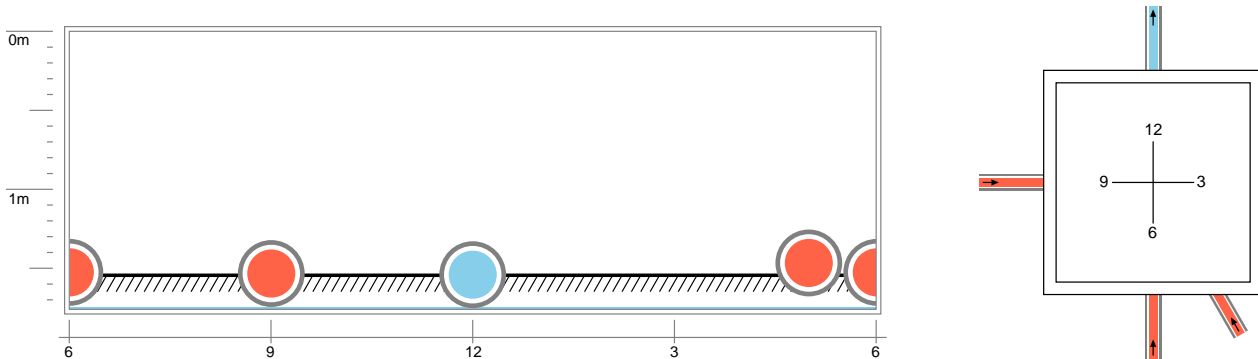
PLR:	MH01BX	Upstream Node:	MH01B
Inspection Direction:	Upstream	Downstream Node:	MH01
Inspected Length:	0.60 m	Dia/Height:	225 mm
Total Length:	0.60 m	Material:	Vitrified clay

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: MH01
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.60	DER	Settled deposits, coarse, 80% cross-sectional area loss
4	0.60	SA	Survey abandoned

Node Report

Node ID MH01	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Foul
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 1.760 m	Criticality Unknown

Node Schematic



General Node Information

Road:	Fleetwood Road	Land Ownership:	Private
Town or Village:	Blackpool	Node Ownership:	Public
Division or District:	.	National Grid Reference (X):	
Drainage Area:	.	National Grid Reference (Y):	
Location:	Property Or Buildings	Elevation / Cover Level (Z):	

General Node Inspection Information

Weather:		Vertical Ref.:	Cover point
Temperature:		Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:		Surcharge Level:	mm
Flow Control:	No flow control	Inspection Purpose:	
Cover Shape:	Rectangular	Cover Duty:	Heavy
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Brick	Construction Style:	Brick
Comments:			
Recommendations:			

Observations

No.	Depth	Code	Observation	Remarks
1	0.00 m	REM	General remark	.
2	0.00 m	REM	General remark	.

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	5	1.680 m	Inlet	Circular	150 mm		MH01AX	

Node Report

Node ID MH01	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Foul
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 1.760 m	Criticality Unknown

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
2	6	1.740 m	Inlet	Circular	225 mm		MH01BX	
3	9	1.750 m	Inlet	Circular	225 mm		MH01CX	
4	12	1.760 m	Outlet	Circular	225 mm		MH01X	

Cover

Shape:	Rectangular	Dia/Length:	630 mm
Material:	Cast Iron	Width:	630 mm
Lowest Point:		Height:	
Requires Attention?	No	Cover Duty:	Heavy
Remarks:			

Shaft

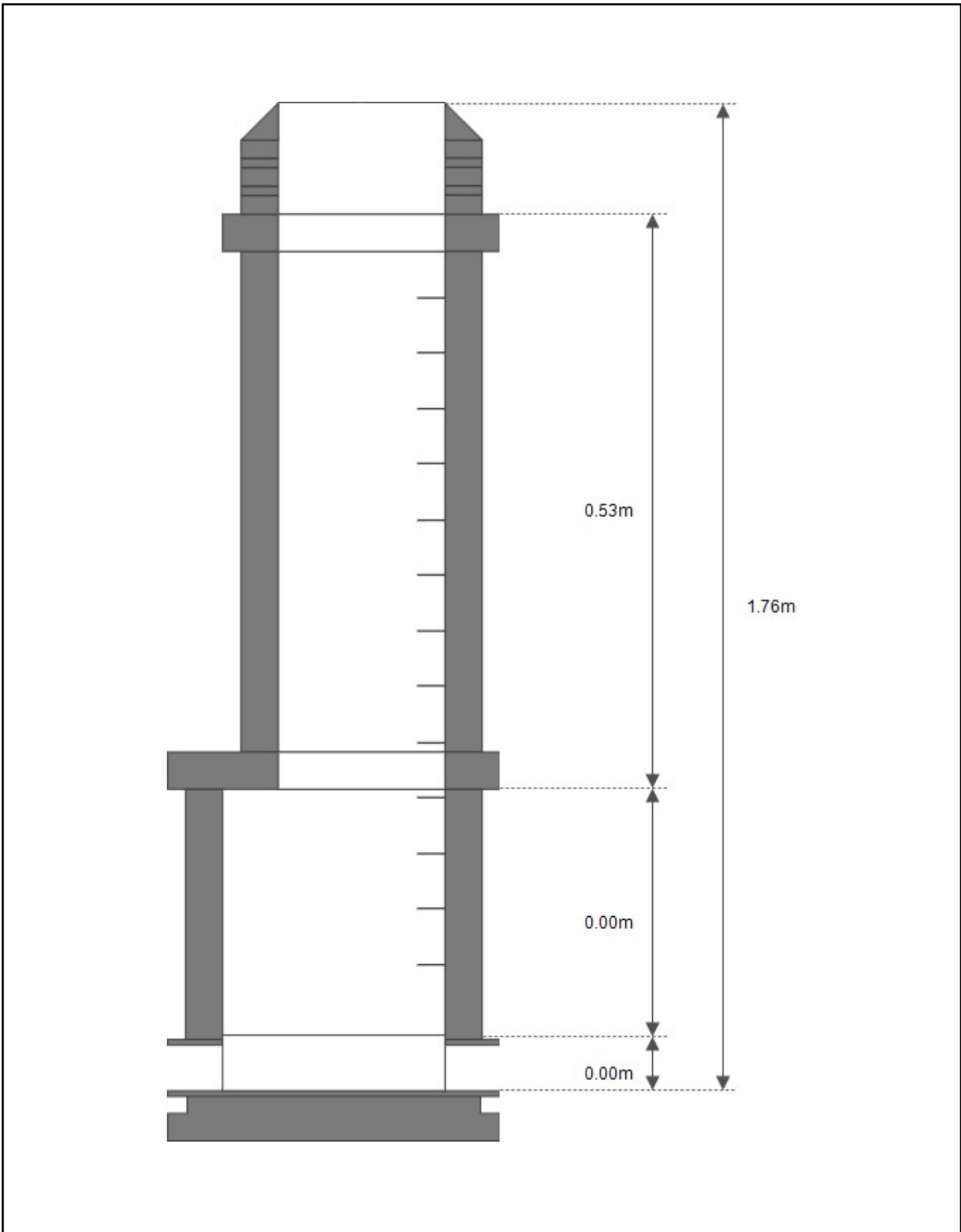
Shape:	Circular	Dia/Length:	475 mm
Material:	Concrete	Width:	
Lowest Point:		Height:	530 mm
Requires Attention?		Segment Height:	
Remarks:			

Chamber

Shape:	Rectangular	Dia/Length:	1079 mm
Material:	Brick	Width:	1062 mm
Lowest Point:		Height:	
Requires Attention?		Segment Height:	
Remarks:			

Node 2D Sketch - 14/12/2021 - MH01

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
1	MH01		PK	14479



Node Pictures - 14/12/2021 - MH01

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
1	MH01		PK	14479



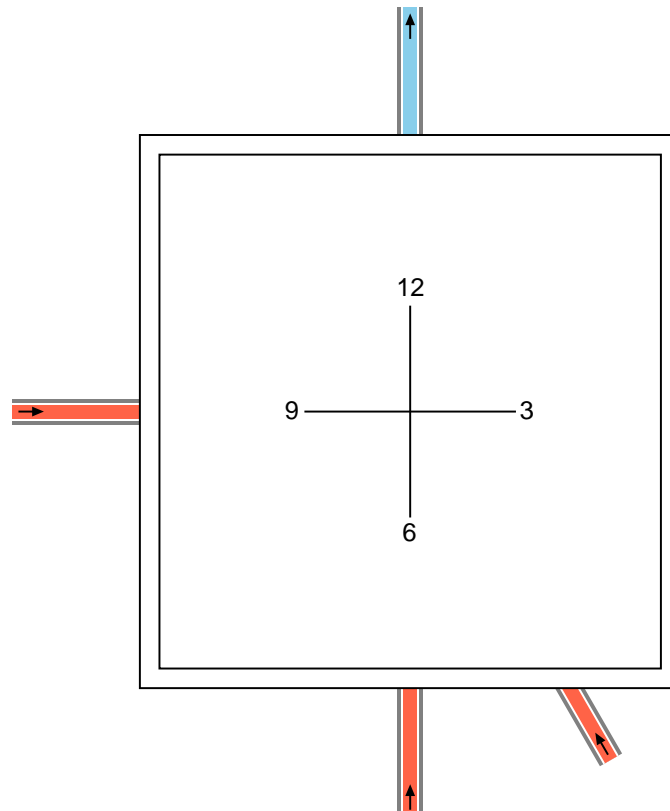
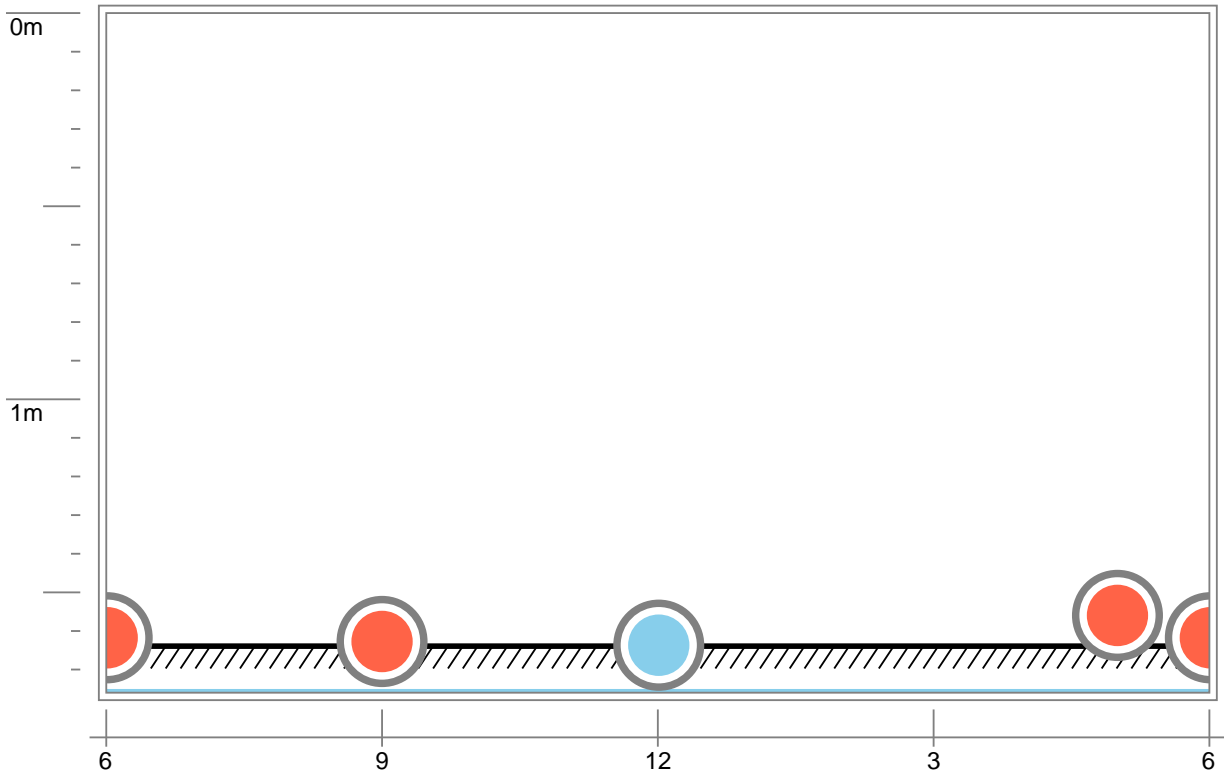
MH01_b59a0776-3c36-4224-9927-c219aec24854_20211214_160541.jpg, 0.00 m
General remark



MH01_b3ab8d53-65aa-43f6-8724-bf82f4ea90a8_20211214_160558.jpg, 0.00 m
General remark

Node Drawings - 14/12/2021 - MH01

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
1	MH01		PK	14479

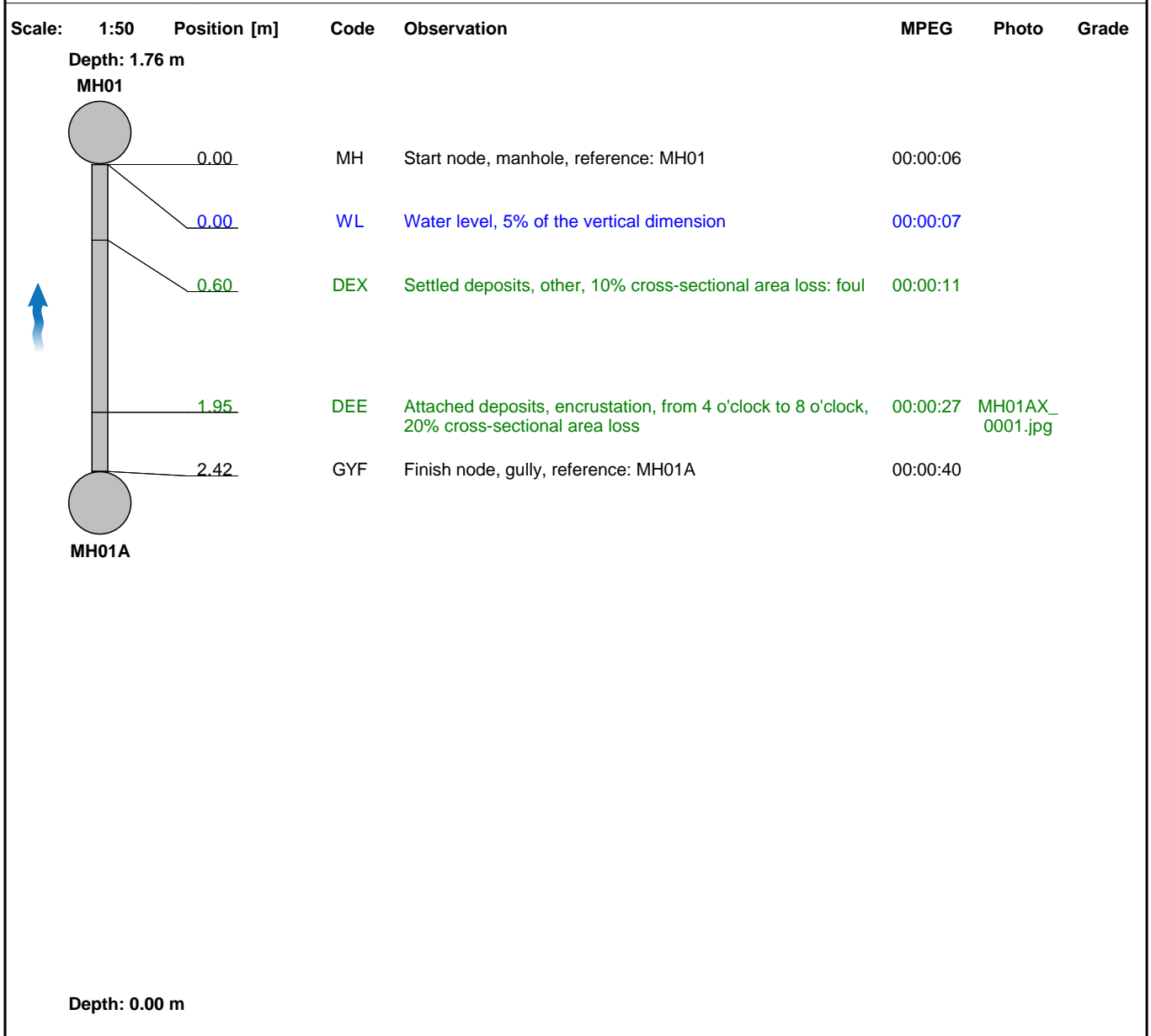


Section Inspection - 08/12/2021 - MH01AX

Item No. 1	Insp. No. 1	Date 08/12/21	Time 20:32	Client's Job Ref PK	Weather Rain	Pre Cleaned No	PLR MH01AX
Operator PK		Vehicle SC15NYG		Camera Ipek Ex	Preset Length 0.60 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Blackpool	Inspection Direction:	Upstream	Upstream Node:	MH01A
Road:	Anchorsholme	Inspected Length:	2.42 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	2.42 m	Downstream Node:	MH01
Surface Type:	Asphalt Footway	Joint Length:	1.00 m	Downstream Pipe Depth:	1.760 m
Use:	Foul	Pipe Shape:	Circular	Material:	Vitrified clay
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm	Lining Type:	No Lining
Flow Control:	No flow control	Lining Material:	No Lining		
Year Constructed:	Not Specified				
Inspection Purpose:	Sample condition survey				

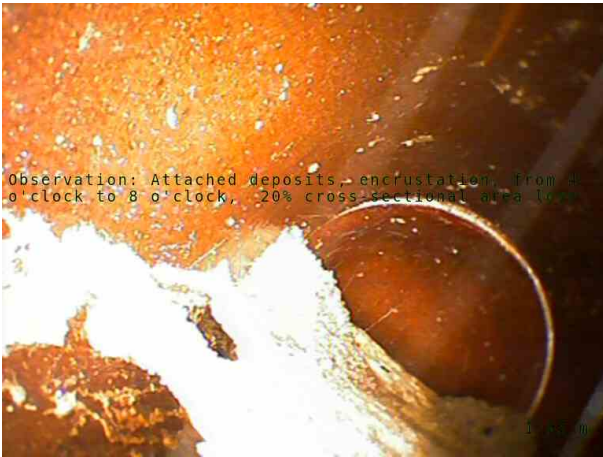
Comments:
Recommendations:



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

Section Pictures - 08/12/2021 - MH01AX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	MH01AX	PK	14479



Observation: Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss

MH01AX_0001.jpg, 00:00:27, 1.95 m
Attached deposits, encrustation, from 4 o'clock to 8 o'clock,
20% cross-sectional area loss

Section Inspection - 08/12/2021 - MH01CX

Item No. 3	Insp. No. 1	Date 08/12/21	Time 22:35	Client's Job Ref PK	Weather Rain	Pre Cleaned No	PLR MH01CX
Operator PK		Vehicle SC15NYG		Camera Ipek Ex	Preset Length 0.70 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Blackpool	Inspection Direction:	Upstream	Upstream Node:	MH01C
Road:	Anchorsholme	Inspected Length:	29.70 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	29.70 m	Downstream Node:	MH01
Surface Type:	Asphalt Footway	Joint Length:	1.00 m	Downstream Pipe Depth:	1.760 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale: 1:257	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 1.76 m						
MH01						
	0.00	MH	Start node, manhole, reference: MH01	00:00:08		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:11		
	0.70	CN	Connection other than junction, at 3 o'clock , 150 mm dia @CON	00:00:14		
	7.32	JN	Junction, at 10 o'clock , 100 mm dia @CON	00:00:59		
	10.40	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:01:27		
	12.13	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:01:58		
	12.73	JN	Junction, at 10 o'clock , 100 mm dia @CON	00:02:04		
	12.96	DEE	Attached deposits, encrustation, from 12 o'clock to 5 o'clock, 20% cross-sectional area loss	00:02:08	MH01CX_0001.jpg	
	13.58	DEE	Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss	00:02:17	MH01CX_0002.jpg	
	22.13	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:03:03		
	23.19	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:03:15		
	23.83	JN	Junction, at 10 o'clock , 100 mm dia @CON	00:03:20		
	28.93	DER	Settled deposits, coarse, 10% cross-sectional area loss	00:03:42	MH01CX_0003.jpg	
	29.70	SA	Survey abandoned: cleanse required	00:04:26		

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

Section Pictures - 08/12/2021 - MH01CX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	MH01CX	PK	14479



Observation: Attached deposits, encrustation, from 12 o'clock to 5 o'clock, 20% cross-sectional area loss.

12.96 m

MH01CX_0001.jpg, 00:02:08, 12.96 m
 Attached deposits, encrustation, from 12 o'clock to 5 o'clock, 20% cross-sectional area loss



Observation: Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss.

13.58 m

MH01CX_0002.jpg, 00:02:17, 13.58 m
 Attached deposits, encrustation, from 4 o'clock to 8 o'clock, 20% cross-sectional area loss



Observation: Settled deposits, coarse, 10% cross-sectional area loss.

28.93 m

MH01CX_0003.jpg, 00:03:42, 28.93 m
 Settled deposits, coarse, 10% cross-sectional area loss

Section Inspection - 08/12/2021 - MH01X

Item No. 4	Insp. No. 1	Date 08/12/21	Time 22:56	Client's Job Ref PK	Weather Rain	Pre Cleaned No	PLR MH01X
Operator PK		Vehicle SC15NYG		Camera Ipek Ex	Preset Length 0.70 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Blackpool	Inspection Direction:	Upstream	Upstream Node:	MH01
Road:	Anchorsholme	Inspected Length:	12.10 m	Upstream Pipe Depth:	1.760 m
Location:	Property or buildings	Total Length:	12.10 m	Downstream Node:	MH02
Surface Type:	Asphalt Footway	Joint Length:	1.00 m	Downstream Pipe Depth:	1.900 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Flow Control:	No flow control	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample condition survey	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:105	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH02	00:00:05		
		0.00	WL	Water level, 10% of the vertical dimension	00:00:09		
		0.70	S01 DEX	Settled deposits, other, 10% cross-sectional area loss, start: foul	00:00:13	MH01X_001.jpg	
		1.08	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:00:49		
		3.42	F01 DEX	Settled deposits, other, 10% cross-sectional area loss, finish: foul	00:01:02		
		4.70	DEEJ	Attached deposits, encrustation at joint, from 1 o'clock to 5 o'clock, 15% cross-sectional area loss	00:01:09	MH01X_002.jpg	
		9.38	JN	Junction, at 2 o'clock , 100 mm dia @CON	00:01:28		
		11.19	JN	Junction, at 1 o'clock , 100 mm dia @CON	00:01:41		
		11.19	DEE	Attached deposits, encrustation, from 1 o'clock to 5 o'clock, 20% cross-sectional area loss	00:01:45	MH01X_003.jpg	
		12.10	SA	Survey abandoned: cleanse required	00:02:36		

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

Section Pictures - 08/12/2021 - MH01X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream	MH01X	PK	14479



MH01X_0001.jpg, 00:00:13, 0.70 m
 Settled deposits, other, 10% cross-sectional area loss, start, foul



MH01X_0002.jpg, 00:01:09, 4.70 m
 Attached deposits, encrustation at joint, from 1 o'clock to 5 o'clock, 15% cross-sectional area loss



MH01X_0003.jpg, 00:01:45, 11.19 m
 Attached deposits, encrustation, from 1 o'clock to 5 o'clock, 20% cross-sectional area loss

Section Inspection - 08/12/2021 - MH01BX

Item No. 2	Insp. No. 1	Date 08/12/21	Time 22:29	Client's Job Ref PK	Weather Rain	Pre Cleaned No	PLR MH01BX
Operator PK		Vehicle SC15NYG		Camera Ipek Ex	Preset Length 0.70 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Blackpool	Inspection Direction:	Upstream	Upstream Node:	MH01B
Road:	Anchorsholme	Inspected Length:	0.60 m	Upstream Pipe Depth:	0.000 m
Location:	Property or buildings	Total Length:	0.60 m	Downstream Node:	MH01
Surface Type:	Asphalt Footway	Joint Length:	1.00 m	Downstream Pipe Depth:	1.760 m
Use:	Foul	Pipe Shape:	Circular	Material:	Vitrified clay
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm	Lining Type:	No Lining
Flow Control:	No flow control	Lining Material:	No Lining		
Year Constructed:	Not Specified				
Inspection Purpose:	Sample condition survey				

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node, manhole, reference: MH01	00:00:06		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:09		
		0.60	DER	Settled deposits, coarse, 80% cross-sectional area loss	00:00:12	MH01BX_0001.jpg	
		0.60	SA	Survey abandoned: cleanse required	00:00:17	MH01BX_0002.jpg	

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

Section Pictures - 08/12/2021 - MH01BX

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	MH01BX	PK	14479



MH01BX_0001.jpg, 00:00:12, 0.60 m
 Settled deposits, coarse, 80% cross-sectional area loss

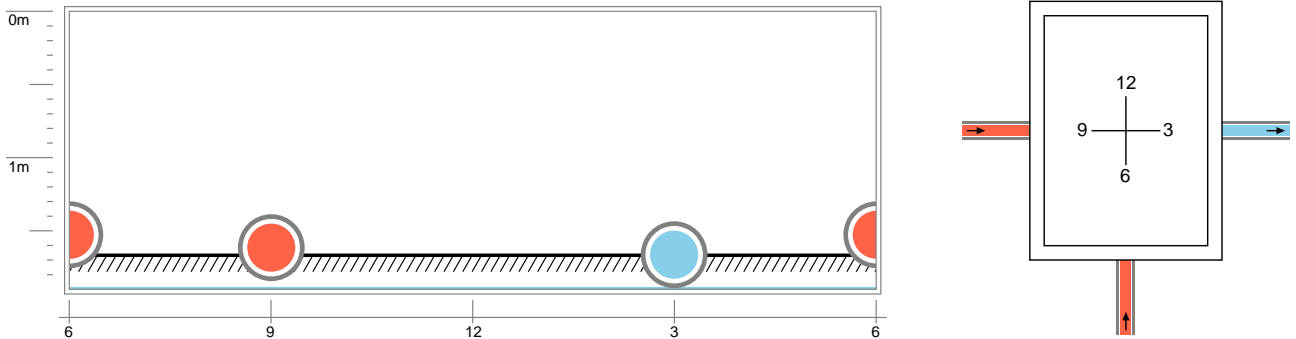


MH01BX_0002.jpg, 00:00:17, 0.60 m
 Survey abandoned, cleanse required

Node Report

Node ID MH02	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Foul
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 1.900 m	Criticality Unknown

Node Schematic



General Node Information

Road:	Fleetwood Road	Land Ownership:	Public
Town or Village:	Blackpool	Node Ownership:	Public
Division or District:	.	National Grid Reference (X):	
Drainage Area:	.	National Grid Reference (Y):	
Location:	Road	Elevation / Cover Level (Z):	

General Node Inspection Information

Weather:		Vertical Ref.:	Cover point
Temperature:		Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:		Surcharge Level:	mm
Flow Control:	No flow control	Inspection Purpose:	
Cover Shape:	Rectangular	Cover Duty:	Heavy
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Brick	Construction Style:	Brick
Comments:			
Recommendations:			

Observations

No.	Depth	Code	Observation	Remarks
1	0.00 m	REM	General remark	.
2	0.00 m	REM	General remark	.

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	6	1.760 m	Inlet	Circular	225 mm		MH01X	

Node Report

Node ID MH02	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Foul
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 1.900 m	Criticality Unknown

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
2	9	1.850 m	Inlet	Circular	225 mm			
3	3	1.900 m	Outlet	Circular	225 mm		MH02X	

Cover

Shape:	Rectangular	Dia/Length:	600 mm
Material:	Cast Iron	Width:	600 mm
Lowest Point:		Height:	
Requires Attention?	No	Cover Duty:	Heavy
Remarks:			

Shaft

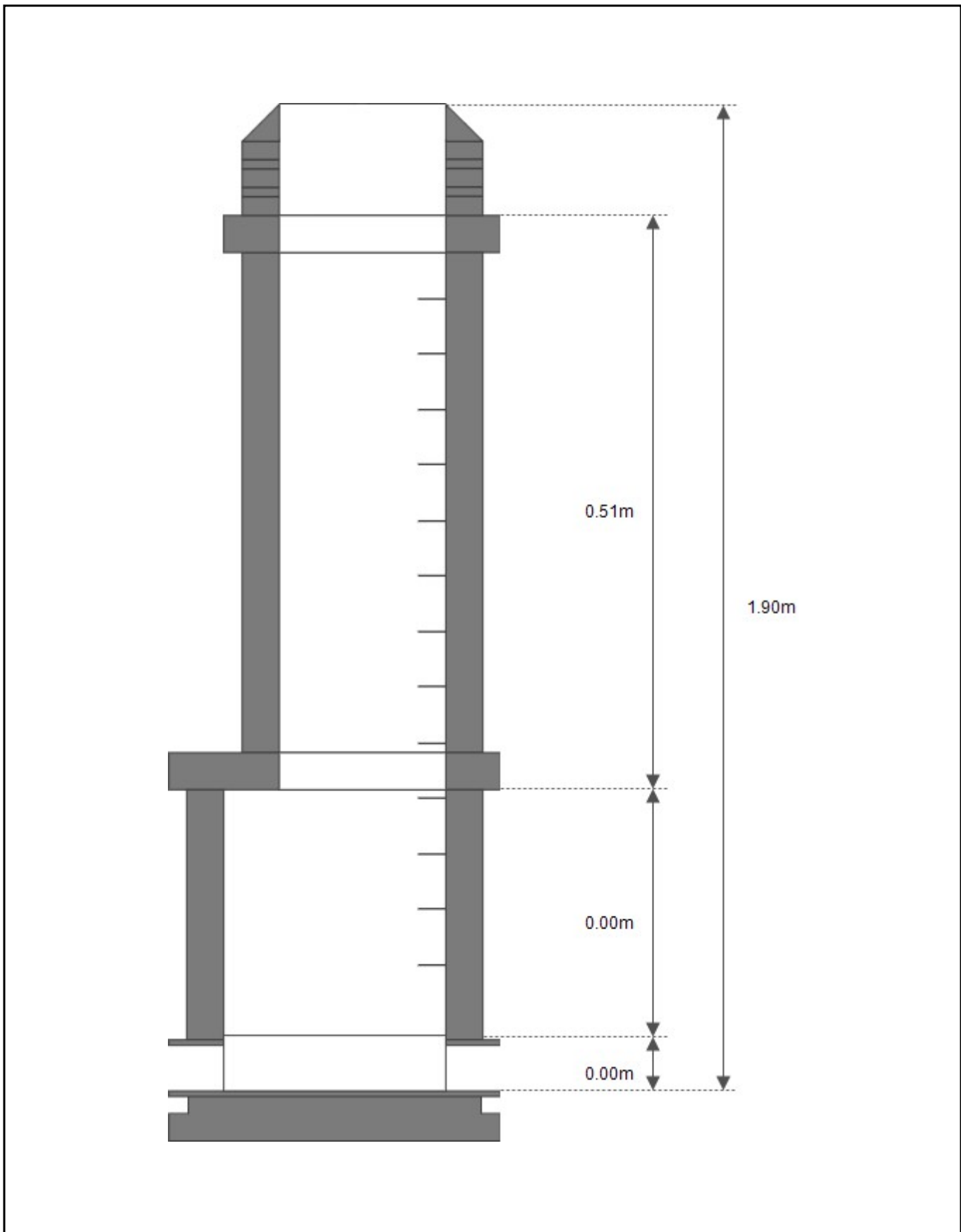
Shape:	Rectangular	Dia/Length:	595 mm
Material:	Brick	Width:	554 mm
Lowest Point:		Height:	510 mm
Requires Attention?	No	Segment Height:	
Remarks:			

Chamber

Shape:	Rectangular	Dia/Length:	1164 mm
Material:	Brick	Width:	874 mm
Lowest Point:		Height:	
Requires Attention?	No	Segment Height:	
Remarks:			

Node 2D Sketch - 14/12/2021 - MH02

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
5	MH02		PK	14479



Node Pictures - 14/12/2021 - MH02

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
5	MH02		PK	14479



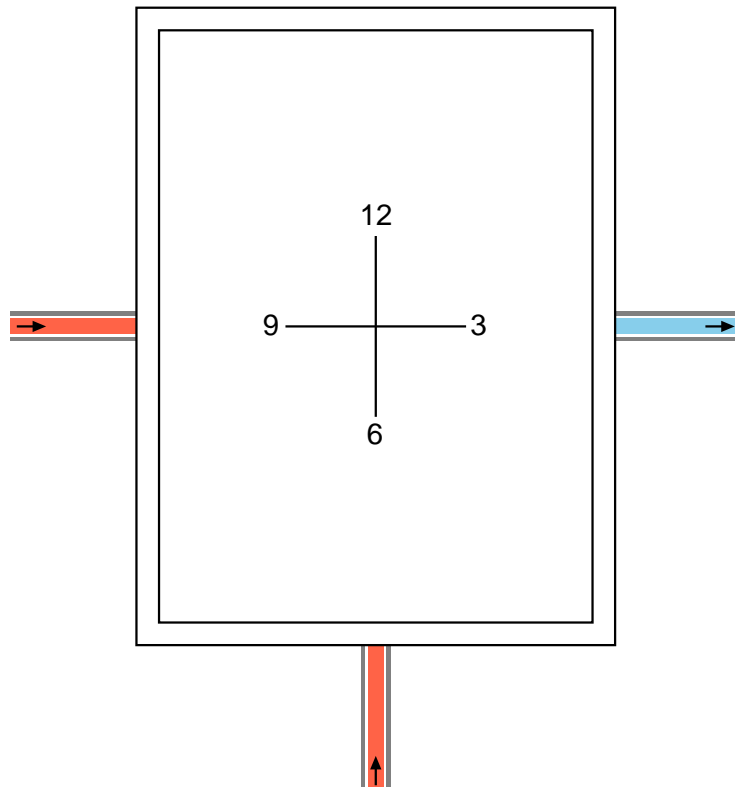
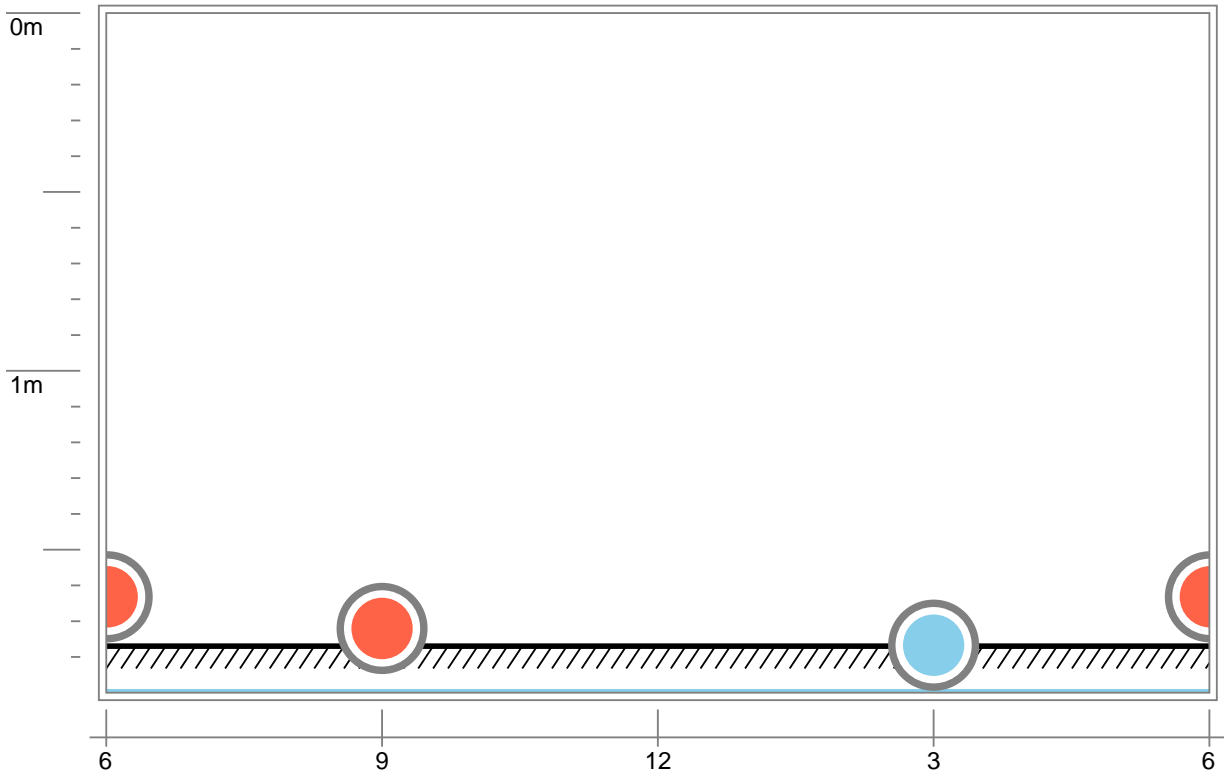
MH02_7c35867e-86d1-4b1e-873f-d0fa84fdaf57_20211214_161551.jpg, 0.00 m
General remark



MH02_a1b7d8f5-c5ca-4aa7-9aff-84ebca423ff7_20211214_161613.jpg, 0.00 m
General remark

Node Drawings - 14/12/2021 - MH02

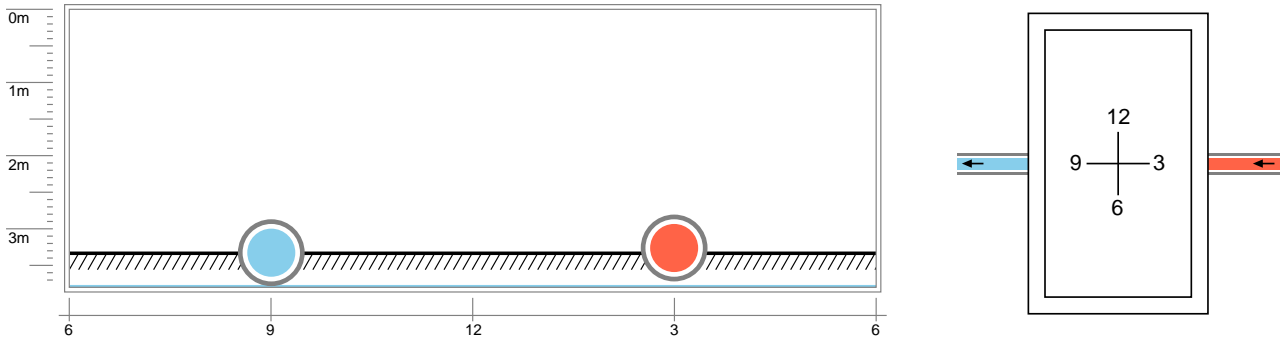
Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
5	MH02		PK	14479



Node Report

Node ID MH03	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Surface Water
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 3.800 m	Criticality Unknown

Node Schematic



General Node Information

Road:	Fleetwood Road	Land Ownership:	Public
Town or Village:	Blackpool	Node Ownership:	Public
Division or District:	.	National Grid Reference (X):	
Drainage Area:	.	National Grid Reference (Y):	
Location:	Road	Elevation / Cover Level (Z):	

General Node Inspection Information

Weather:		Vertical Ref.:	Cover point
Temperature:		Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:		Surcharge Level:	mm
Flow Control:	No flow control	Inspection Purpose:	
Cover Shape:	Rectangular	Cover Duty:	Heavy
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Brick	Construction Style:	Brick
Comments:			
Recommendations:			

Observations

No.	Depth	Code	Observation	Remarks
1	0.00 m	REM	General remark	.
2	0.00 m	REM	General remark	.

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	3	3.730 m	Inlet	Circular	1,500 mm			

Node Report

Node ID MH03	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Surface Water
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 3.800 m	Criticality Unknown

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
2	9	3.800 m	Outlet	Circular	1,500 mm			

Cover

Shape:	Rectangular	Dia/Length:	610 mm
Material:	Cast Iron	Width:	610 mm
Lowest Point:		Height:	
Requires Attention?	No	Cover Duty:	Heavy
Remarks:			

Shaft

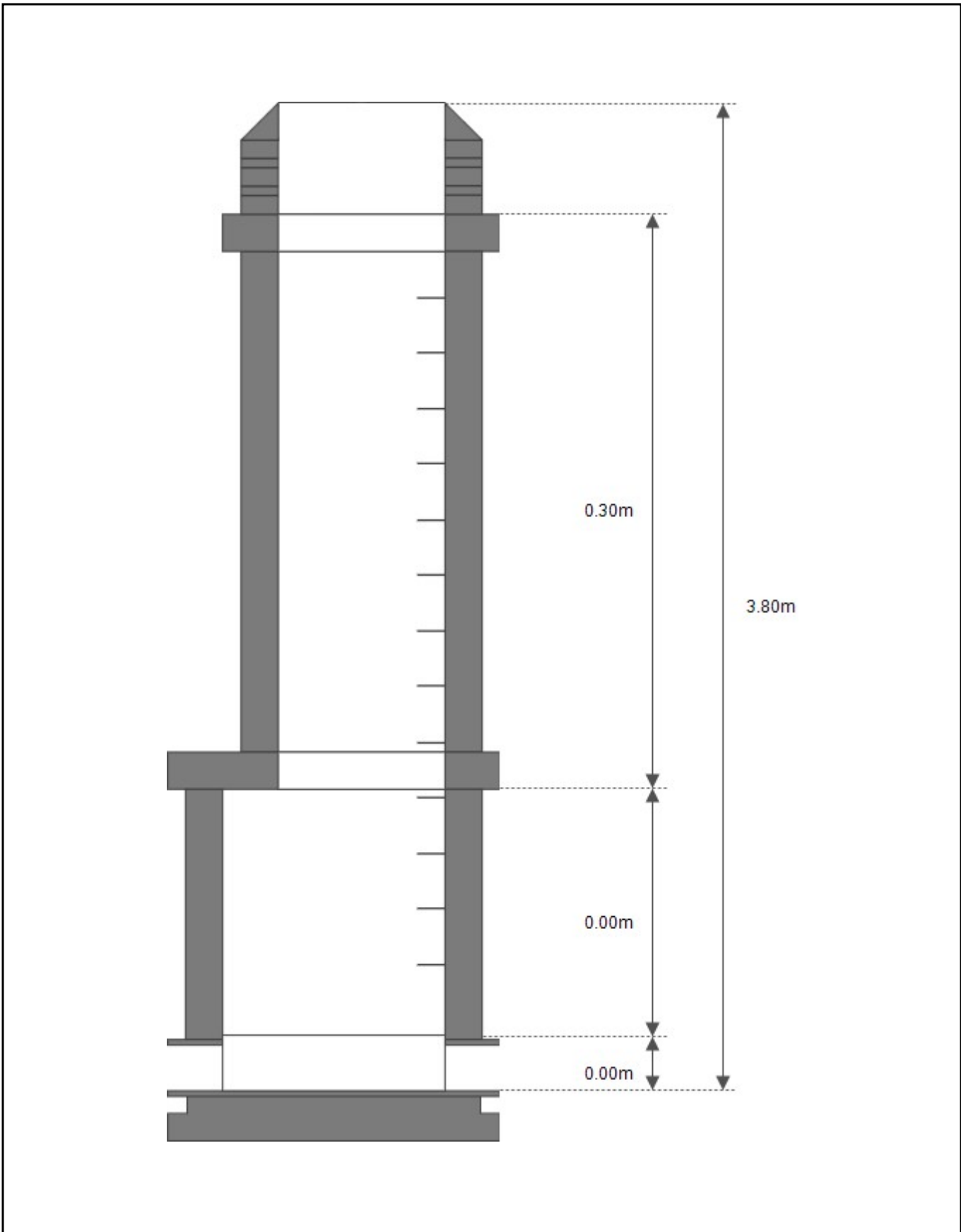
Shape:	Rectangular	Dia/Length:	612 mm
Material:	Concrete	Width:	608 mm
Lowest Point:		Height:	300 mm
Requires Attention?	No	Segment Height:	
Remarks:			

Chamber

Shape:	Rectangular	Dia/Length:	1806 mm
Material:	Brick	Width:	2966 mm
Lowest Point:		Height:	
Requires Attention?	No	Segment Height:	
Remarks:			

Node 2D Sketch - 14/12/2021 - MH03

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
6	MH03		PK	14479



Node Pictures - 14/12/2021 - MH03

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
6	MH03		PK	14479



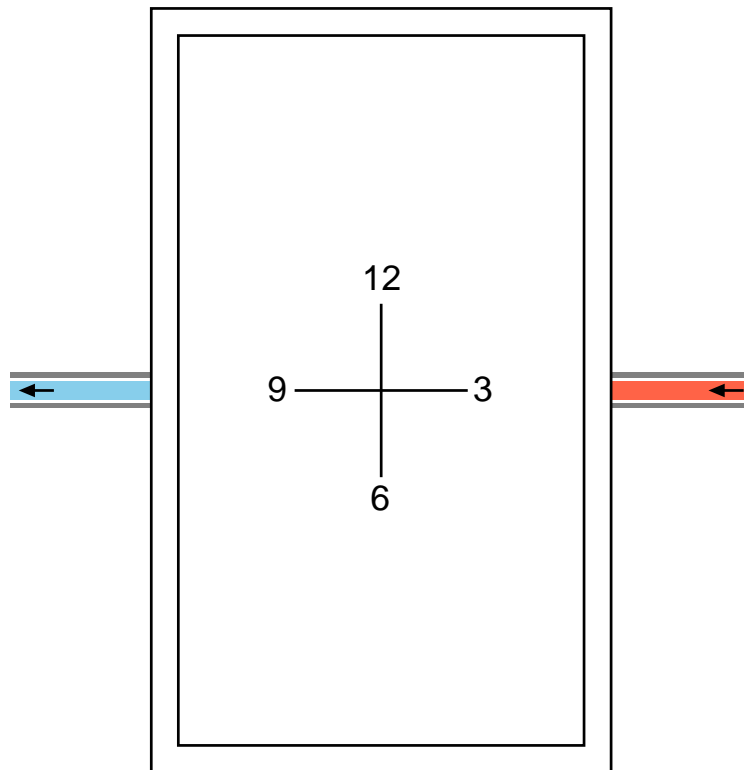
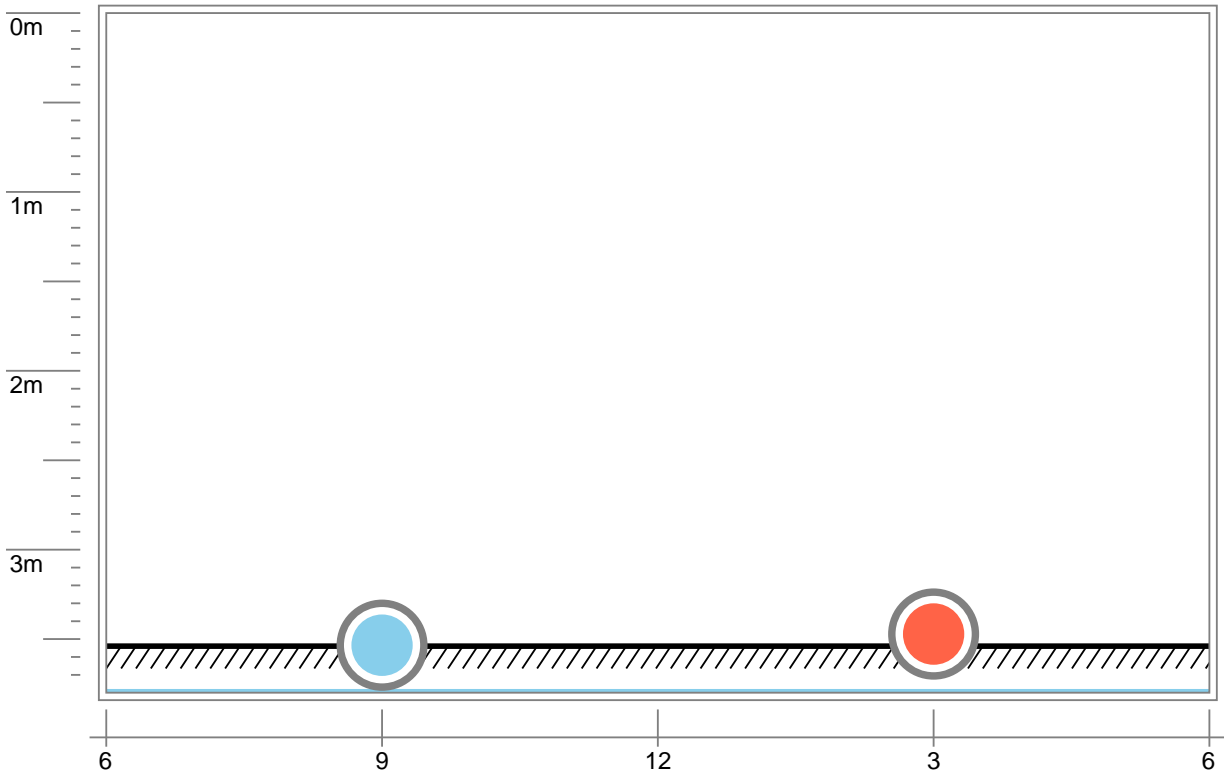
MH03_e1bad150-dcab-4bc5-a80c-f8c152c1c670_20211214_162433.jpg, 0.00 m
General remark



MH03_2c574c19-1a75-486c-8e90-5dc921d056a5_20211214_162501.jpg, 0.00 m
General remark

Node Drawings - 14/12/2021 - MH03

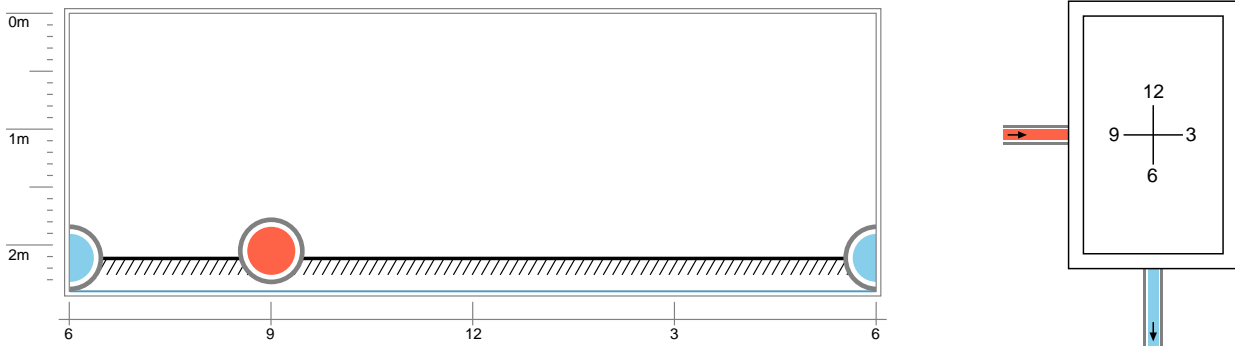
Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
6	MH03		PK	14479



Node Report

Node ID MH04	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Surface Water
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 2.400 m	Criticality Unknown

Node Schematic



General Node Information

Road:	Fleetwood Road	Land Ownership:	Public
Town or Village:	Blackpool	Node Ownership:	Public
Division or District:	.	National Grid Reference (X):	
Drainage Area:	.	National Grid Reference (Y):	
Location:	Road	Elevation / Cover Level (Z):	

General Node Inspection Information

Weather:		Vertical Ref.:	Cover point
Temperature:		Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:		Surcharge Level:	mm
Flow Control:	No flow control	Inspection Purpose:	
Cover Shape:	Circular	Cover Duty:	Heavy
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Brick	Construction Style:	Brick
Comments:			
Recommendations:			

Observations

No.	Depth	Code	Observation	Remarks
1	0.00 m	REM	General remark	.
2	0.00 m	REM	General remark	.

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	9	2.340 m	Inlet	Circular	300 mm		MH02X	

Node Report

Node ID MH04	Alternative ID Not Specified	Date 14/12/2021	Node Type Manhole	Year Constructed Not Specified	Use Surface Water
Operator Not Specified	Vehicle Not Specified	Client's Job Ref PK	Contractor's Job Ref 14479	Node Depth 2.400 m	Criticality Unknown

Inlets & Outlets

No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
2	6	2.400 m	Outlet	Circular	300 mm		MH04X	

Cover

Shape:	Rectangular	Dia/Length:	610 mm
Material:	Cast Iron	Width:	610 mm
Lowest Point:		Height:	
Requires Attention?		Cover Duty:	Heavy
Remarks:			

Shaft

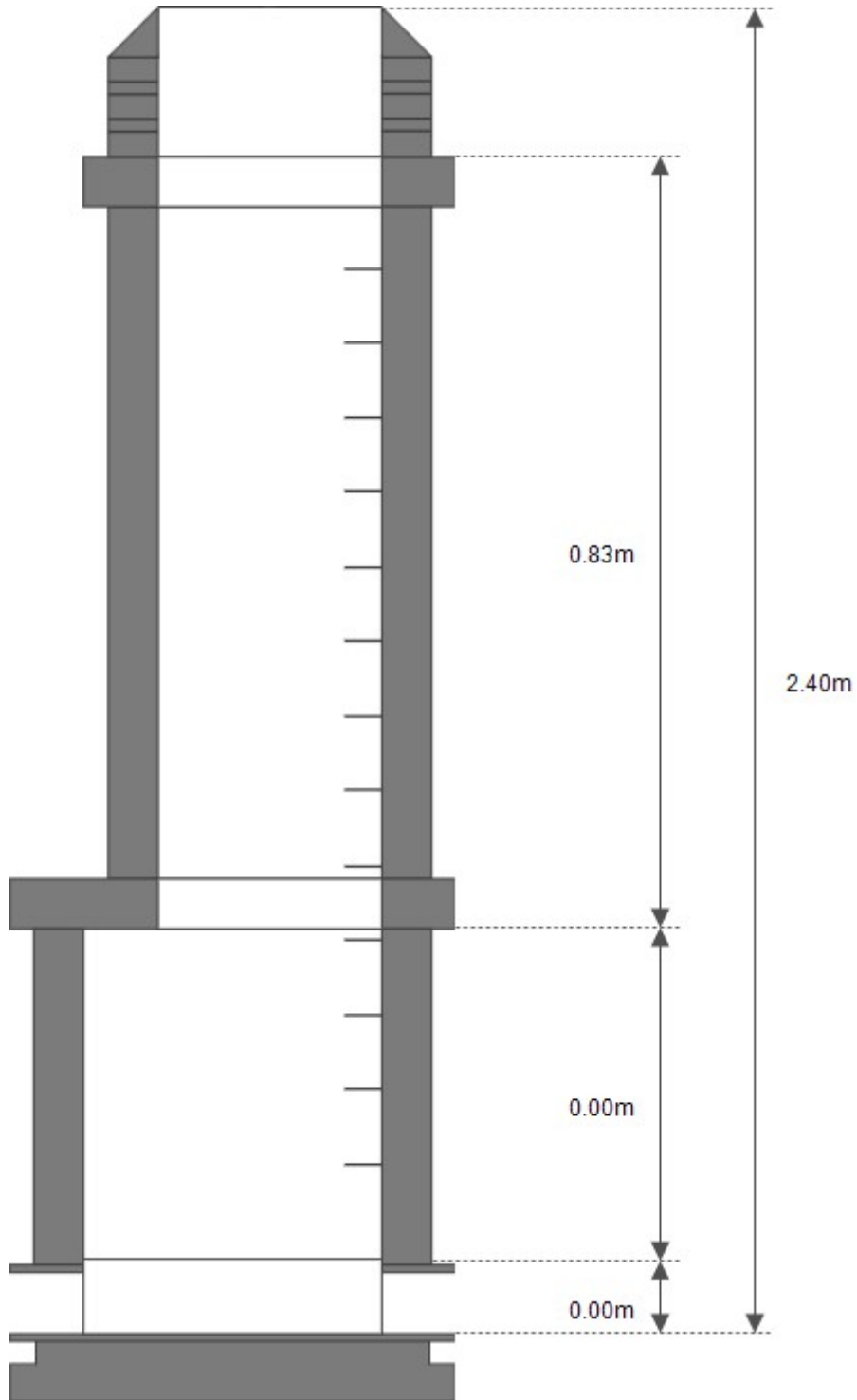
Shape:	Rectangular	Dia/Length:	623 mm
Material:	Brick	Width:	579 mm
Lowest Point:		Height:	830 mm
Requires Attention?		Segment Height:	
Remarks:			

Chamber

Shape:	Rectangular	Dia/Length:	873 mm
Material:	Brick	Width:	1365 mm
Lowest Point:		Height:	
Requires Attention?		Segment Height:	
Remarks:			

Node 2D Sketch - 14/12/2021 - MH04

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
7	MH04		PK	14479



Node Pictures - 14/12/2021 - MH04

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
7	MH04		PK	14479



MH04_6dc5d2f0-f1b6-4116-948c-f1285e03336a_20211214_163446.jpg, 0.00 m
General remark



MH04_67cf3b72-f237-474c-b94e-23ec0349ec2c_20211214_163503.jpg, 0.00 m
General remark

Node Drawings - 14/12/2021 - MH04

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
7	MH04		PK	14479

