AQUACLENZ DRAINAGE SOLUTIONS
WELLCROFT BLEAK HEY NOOK, DELPH SADDLEWORTH OL3 5LY
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Project

Project Name: 1-5 CAUSEY LANE MIDDLETON

Project Description: WinCan Import in Miraculix WRc4 Standard

Project Date: 8/4/2020

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1-5 CAUSEY LANE MIDDLETON		8/4/2020

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Project Information

Project Name	Project Number	Project Date
1-5 CAUSEY LANE MIDDLETON		8/4/2020

Client

Company: VIRTUE FM
Contact: BRENDA DEKA
Department: MANAGING QS
Mobile: 07450 012535
Email: bren.deka@virtuefm.com

Manager

Company: 1-5 CAUSEY LANE
Street: 1-5 CAUSEY LANE
Town or City: MIDDLETON
County: MANCHESTER
Post Code: M25 5PN

Contractor

Company: AQUACLENZ DRAINAGE SOLUTIONS
Contact: STEVE REDFORD
Street: WELLCROFT BLEAK HEY NOOK
Town or City: DELPH SADDLEWORTH OL3 5LY
Phone: 07836 373368
Email: steve@aquaclenz.biz

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Section Inspection - 31-Jul-20 - UPSTREAM TOWARDS NO9X

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	31/07/20	10:04	01	No Rain Or Snow	Yes	UPSTREAM TOWARDS NO9X

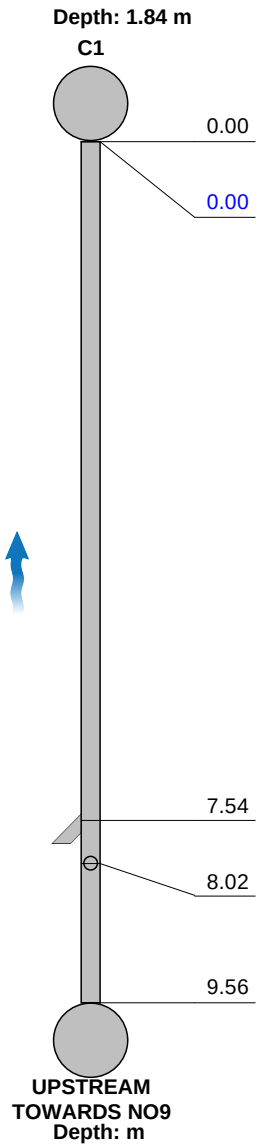
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Middleton	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAM TOWAR
Road:	1-5 Causey Dr	**Inspected Length:**	9.56 m	**Upstream Pipe Depth:**	
Location:	Fields	**Total Length:**	9.56 m	**Downstream Node:**	C1
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	1.840 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:84



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number: C1: UPSTREAM ON BRANCH TOWARDS NO9	00:00:11		
0.00	WL	Water level, 5% of the vertical dimension: RUNNING	00:00:13		
7.54	JN	Junction at 3 o'clock, diameter: 100mm	00:00:57		
8.02	JN	Junction at 12 o'clock, diameter: 150mm	00:01:09		
9.56	MHF	Finish node type, manhole, reference number: UPSTREAM TOWARDS NO9: CHAMBER AT NO9	00:01:19		

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

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Section Inspection - 31-Jul-20 - UPSTREAMX

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	2	31/07/20	10:09	01	No Rain Or Snow	Yes	UPSTREAMX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

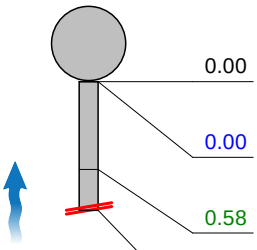
Town or Village:	Middleton	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAM
Road:	1-5 Causey Dr	**Inspected Length:**	0.85 m	**Upstream Pipe Depth:**	
Location:	Fields	**Total Length:**	0.85 m	**Downstream Node:**	C1
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	1.840 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: **1:50** **Position [m]** **Code** **Observation** **MPEG** **Photo** **Grade**

Depth: 1.84 m
C1



Position [m]	Code	Observation	MPEG
0.00	MH	Start node type, manhole, reference number: C1: UPSTREAM	00:00:12
0.00	WL	Water level, 0% of the vertical dimension: NO FLOW SUSPECT REDUNDANT	00:00:13
0.58	LU	Line deviates up: BACKDROP SUSPECT DISUSED	00:00:38
0.85	SA	Survey abandoned: CAMERA WILL NOT PASS	00:00:48

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

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Section Inspection - 31-Jul-20 - C1X

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	3	31/07/20	10:22	01	No Rain Or Snow	Yes	C1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Middleton	**Inspection Direction:**	Downstream	**Upstream Node:**	C1
Road:	1-5 Causey Dr	**Inspected Length:**	10.62 m	**Upstream Pipe Depth:**	1.840 m
Location:	Fields	**Total Length:**	10.62 m	**Downstream Node:**	DOWNSTREAM INT
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:93



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number: C1: DOWNSTREAM INTO ROAD	00:00:11		
0.00	WL	Water level, 5% of the vertical dimension: RUNNING	00:00:13		
1.85	BJ	Broken pipe at joint from 12 o'clock to 1 o'clock ,	00:00:50		4
2.05	JDM	Joint displaced, medium	00:01:00		1
5.16	DEE	Attached deposits, encrustation from 3 o'clock to 6 o'clock, 10% cross-sectional area loss	00:01:26		3
6.68	DEE	Attached deposits, encrustation from 7 o'clock to 12 o'clock, 10% cross-sectional area loss	00:01:38		3
8.40	WL	Water level, 20% of the vertical dimension	00:01:49		
9.22	LD	Line deviates down	00:02:00		
10.62	MHF	Finish node type, manhole, reference number: DOWNSTREAM INTO ROAD: AT SEWER	00:02:16		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	80.0	7.6	81.0	4.0	2	2.0	0.4	4.0	3.0

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Section Inspection - 31-Jul-20 - F1X

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	4	31/07/20	10:53	01	No Rain Or Snow	Yes	F1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

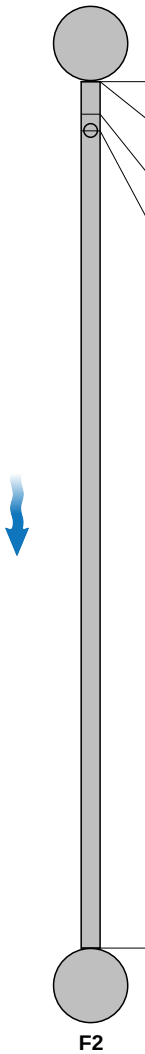
Town or Village:	Middleton	**Inspection Direction:**	Downstream	**Upstream Node:**	F1
Road:	1-5 Causey Dr	**Inspected Length:**	9.28 m	**Upstream Pipe Depth:**	0.700 m
Location:	Fields	**Total Length:**	9.28 m	**Downstream Node:**	F2
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:81

Depth: 0.70 m
F1



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number: F1: DOWNSTREAM TO F2	00:00:16		
0.00	WL	Water level, 5% of the vertical dimension	00:00:17		
0.35	RFJ	Roots, fine at joint	00:00:30		2
0.53	JN	Junction at 12 o'clock, diameter: 150mm	00:00:34		
9.28	MHF	Finish node type, manhole, reference number: F2	00:01:08		

F2
Depth: m

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	1	1.0	0.1	1.0	2.0

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Section Inspection - 31-Jul-20 - BRANCHX

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	5	31/07/20	11:00	01	No Rain Or Snow	Yes	BRANCHX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

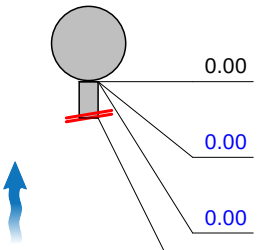
Town or Village:	Middleton	**Inspection Direction:**	Upstream	**Upstream Node:**	BRANCH
Road:	1-5 Causey Dr	**Inspected Length:**	0.24 m	**Upstream Pipe Depth:**	
Location:	Fields	**Total Length:**	0.24 m	**Downstream Node:**	F1 BRANCH
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	0.700 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	100 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50

Depth: 0.70 m
F1 BRANCH



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number: F1 BRANCH: BRANCH APPEARS DISUSED	00:00:19		
0.00	WL	Water level, 0% of the vertical dimension	00:00:21		
0.00	REM	General remark: JET PULLING STONE AND SOIL BACK	00:00:22		
0.24	SA	Survey abandoned: DUE TO STONE	00:00:24		

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

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Section Inspection - 31-Jul-20 - F2X

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	6	31/07/20	11:11	01	No Rain Or Snow	Yes	F2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

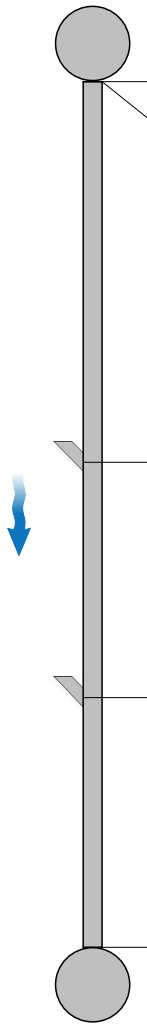
Town or Village:	Middleton	**Inspection Direction:**	Downstream	**Upstream Node:**	F2
Road:	1-5 Causey Dr	**Inspected Length:**	20.72 m	**Upstream Pipe Depth:**	1.250 m
Location:	Gardens	**Total Length:**	20.72 m	**Downstream Node:**	TOWARDS ROAD
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:181

Depth: 1.25 m
F2



TOWARDS ROAD
Depth: m

Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number: F2: TOWARDS ROAD	00:00:33		
0.00	WL	Water level, 5% of the vertical dimension	00:00:38		
9.12	JN	Junction at 2 o'clock, diameter: 150mm	00:01:11		
14.74	JN	Junction at 2 o'clock, diameter: 150mm	00:01:42		
20.72	MHF	Finish node type, manhole, reference number: TOWARDS ROAD: AT SEWER	00:02:10		

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

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Section Inspection - 31-Jul-20 - TOWARDS SITEX

Section	Inspection	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	7	31/07/20	11:17	01	No Rain Or Snow	Yes	TOWARDS SITEX

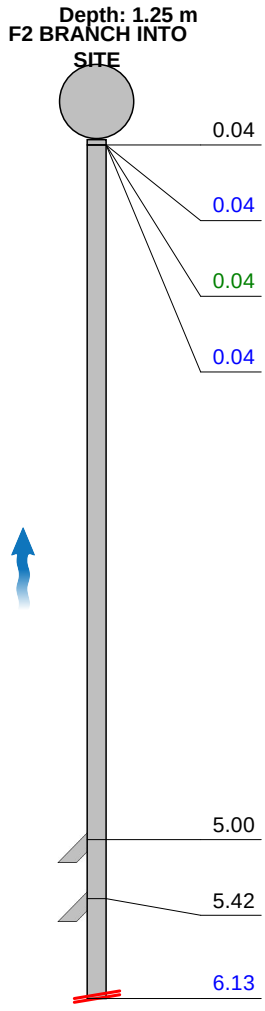
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
S REDFORD	Not Specified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Middleton	**Inspection Direction:**	Upstream	**Upstream Node:**	TOWARDS SITE
Road:	1-5 Causey Dr	**Inspected Length:**	6.13 m	**Upstream Pipe Depth:**	
Location:	Gardens	**Total Length:**	6.13 m	**Downstream Node:**	F2BRANCHINTOSITE
Surface Type:		**Joint Length:**	0.00 m	**Downstream Pipe Depth:**	1.250 m

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:	Gravity drain/sewer	**Dia/Height:**	150 mm
Year Constructed:		**Pipe Material:**	Vitrified clay pipe (i.e. all clayware)
Flow Control:	No flow control	**Lining Type:**	No Lining
Inspection Purpose:	Sample survey to determine asset condition	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:54



Position [m]	Code	Observation	MPEG	Photo	Grade
0.04	MH	Start node type, manhole, reference number: F2 BRANCH INTO SITE: BRANCH INTO SITE	00:00:13		
0.04	WL	Water level, 0% of the vertical dimension	00:00:14		
0.04	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:17		3
0.04	REM	General remark: JET PULLING BACK SOIL	00:00:18		
5.00	JN	Junction at 3 o'clock, diameter: 100mm	00:01:49		
5.42	JN	Junction at 3 o'clock, diameter: 100mm	00:02:08		
6.13	SA	Survey abandoned: UNABLE TO PUSH REDUNDANT PIPE	00:02:27		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	1	2.0	0.3	2.0	3.0