



Dene-Tech Services Ltd
 Medstead, Alton
 Hampshire, GU34 5EW
 Tel: 01420 562569, Fax:

Project-information

Project name:
Site

Contract number:
Job No

Contact:
Client Contact

Date:
01/02/1234

Client	Client
Contact:	Contact
Position:	Position
Road	Road
Town	Town
County	County
Telephone:	
Fax:	
Mobile:	
E-Mail:	

Site	Site
Contact:	
Position:	
Road	Road
Town	Town
County	
Telephone:	
Fax:	
Mobile:	
E-Mail:	

Contractor	Dene-Tech Services Ltd
Contact:	Richard Nash
Position:	Unit 10 Lymington Barn
Road	Lymington Bottom Road
Town	Medstead, Alton
County	Hampshire, GU34 5EW
Telephone:	01420 562569
Fax:	
Mobile:	
E-Mail:	Richard@denetech.co.uk



Defect Grade Description

Project name:
Site

Contract number:
Job No

Contact:
Client Contact

Date:
01/02/1234

1:

Occurrences without damage: for example, laterals, joints etc.

NO DEFECTS WERE DETECTED.

2:

Constructional deficiencies or occurrences with insignificant influence to tightness, hydraulic or static pressure of pipe: f.e. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc.

REHABILITATION CAN BE SCHEDULED LONG-TERM.

3:

Constructional deficiencies diminishing static, hydraulic and tightness: f.e. open joints, untorched intakes, cracks, minor drainage obstructions such as calcide build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.

REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.

4:

Constructional damages with nonsufficient static safety, hydraulic or tightness: f.e. axial/radial pipebursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc.

REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.

5:

Pipe is already or will shortly be impermeable: f.e. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc.

REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.

Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 1	PLR: W10-11 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-12
Place: Place	District:	end MH: W10-11
Location:	Tape No.: 1	Total length: 11.4 m
Purpose: Asset condition	Size/Shape: Rectangular 570/1110	
Use: Watercourse	Material: Brick Pipe length:	
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:100	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-12			(Constr) 0
	0.00	S1	MM Mortar missing medium from 08 to 11 o'clock, Start			
	0.00	S2	MM Mortar missing medium from 01 to 04 o'clock, Start			
	0.00	S4	DES Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	1.00	S3	LR Line of Sewer deviates right, Start			(Serv) 0
	3.60	F3	LR Line of Sewer deviates right, Finish			(Serv) 0
	10.50	CN	Connection, at 09 o'clock, dia 150 mm			(Constr) 0
	10.50	RF	Fine Roots			(Serv) 1
	11.40	MH	Manhole Remark: W10-11			(Constr) 0
	11.40	F1	MM Mortar missing medium from 08 to 11 o'clock, Finish			
	11.40	F2	MM Mortar missing medium from 01 to 04 o'clock, Finish			
	11.40	F4	DES Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	11.40	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection report

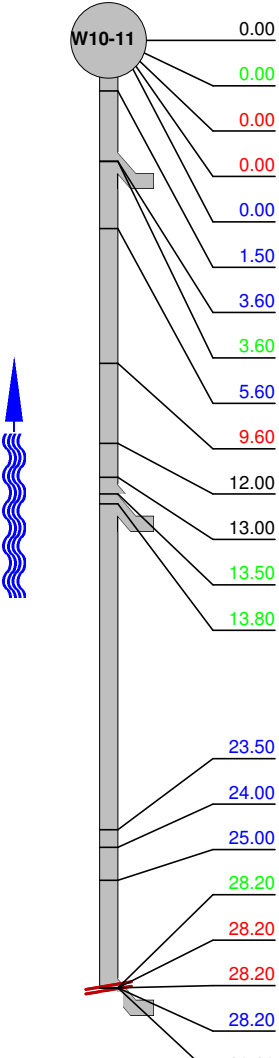
Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 2	PLR: W10-10 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-11
Place: Place	District:	end MH: W10-10
Location:	Tape No.: 1	Total length: 28.2 m

Purpose: Asset condition	Size/Shape: Rectangular 570/1110
Use: Watercourse	Material: Brick Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:225	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-11			(Constr) 0
	0.00	S1	MM Mortar missing medium from 08 to 11 o'clock, Start			
	0.00	S2	MM Mortar missing medium from 01 to 04 o'clock, Start			
	0.00	S3	DES Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	1.50	OB	Obstruction, 5 % height/diameter loss		2_6a	(Serv) 2
	3.60	OB	Obstruction, 5 % height/diameter loss			(Serv) 2
	3.60	CN	Connection, at 10 o'clock, dia 100 mm. Enclosed Pipe			(Constr) 0
	5.60	RF	Fine Roots			(Serv) 1
	9.60	MB	Missing bricks from 08 to 09 o'clock			
	12.00	DC	Dimension of sewer changes, new dimension 450x1110mm			(Misc) 0
	13.00	DC	Dimension of sewer changes, new dimension 570x1110mm			(Misc) 0
	13.50	CN	Connection, at 10 o'clock, dia 100 mm. Enclosed Pipe			(Constr) 0
	13.80	CN	Connection, at 10 o'clock, dia 100 mm. Enclosed Pipe			(Constr) 0
	23.50	RM	Mass Roots 10 % cross-sectional area loss		2_15a	(Serv) 5
	24.00	S4	LL Line of Sewer deviates left, Start			(Serv) 0
	25.00	F4	LL Line of Sewer deviates left, Finish			(Serv) 0
	28.20	CN	Connection, at 10 o'clock, dia 150 mm. Enclosed Pipe		2_18a	(Constr) 0
	28.20	F1	MM Mortar missing medium from 08 to 11 o'clock, Finish			
	28.20	F2	MM Mortar missing medium from 01 to 04 o'clock, Finish			
	28.20	F3	DES Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	28.20	SA	Survey abandoned			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
2

PLR:
W10-10 X



Photo: 2_6a, Tape No.: 1
 1.5m, Obstruction, 5 % height/diameter loss



Photo: 2_15a, Tape No.: 1
 23.5m, Mass Roots 10 % cross-sectional area loss



Photo: 2_18a, Tape No.: 1
 28.2m, Connection, at 10 o'clock, dia 150 mm. Enclosed Pipe

Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 3	PLR: W10-12 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-12
Place: Place	District:	end MH: W10-13
Location:	Tape No.: 1	Total length: 29.8 m

Purpose: Asset condition	Size/Shape: Rectangular 570/1110
Use: Watercourse	Material: Brick Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:225	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-12			(Constr) 0
	0.00	S1	MM Mortar missing medium from 08 to 11 o'clock, Start			
	0.00	S2	MM Mortar missing medium from 01 to 04 o'clock, Start			
	0.00	S3	DES Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	12.80	OB	Obstruction, 5 % height/diameter loss. Brick			(Serv) 2
	13.50	OB	Obstruction, 5 % height/diameter loss. Brick			(Serv) 2
	18.10	SW	Surface damage wear from 10 to 02 o'clock		3_8a	(Struct) 2
	23.30	LL	Line of Sewer deviates left			(Serv) 0
	23.30	MC	Sewer Material changes at this point, Concrete			(Misc) 0
	29.80	MH	Manhole Remark: W10-13			(Constr) 0
	29.80	F1	MM Mortar missing medium from 08 to 11 o'clock, Finish			
	29.80	F2	MM Mortar missing medium from 01 to 04 o'clock, Finish			
	29.80	F3	DES Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	29.80	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
3PLR:
W10-12 X

Photo: 3_8a, Tape No.: 1
18.1m, Surface damage wear from 10 to 02 o'clock



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 4	PLR: W10-13 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-13
Place: Place	District:	end MH: W10-14
Location:	Tape No.: 1	Total length: 2.2 m

Purpose: Asset condition	Size/Shape: Rectangular 570/1110
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:25	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-13			(Constr) 0
	0.00	S1 DES	Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	2.20	MH	Manhole Remark: W10-14			(Constr) 0
	2.20	F1 DES	Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	2.20	FH	Finish Survey			(Misc) 0

Structural Defects

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Service Defects

Miscellaneous Features



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 5	PLR: W10-8 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-9
Place: Place	District:	end MH: W10-8
Location:	Tape No.: 1	Total length: 43.6 m
Purpose: Asset condition	Size/Shape: Rectangular 750/1000	
Use: Watercourse	Material: Concrete	Pipe length:
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:325	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-9			(Constr) 0
	0.00	WL	Water level, 5 % height/diameter			(Serv) 0
	3.10	S1	CN Connection, at 12 o'clock, dia 80 mm, Start			(Constr) 0
	3.90	S2	CN Connection, at 01 o'clock, dia 80 mm, Start			(Constr) 0
	43.50	MH	Manhole Remark: W10-8			(Constr) 0
	43.50	F1	CN Connection, at 12 o'clock, dia 80 mm, Finish			(Constr) 0
	43.50	F2	CN Connection, at 01 o'clock, dia 80 mm, Finish			(Constr) 0
	43.60	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 6	PLR: W10-7 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-8
Place: Place	District:	end MH: W10-7
Location:	Tape No.: 1	Total length: 40.9 m
Purpose: Asset condition	Size/Shape: Rectangular 750/1000	
Use: Watercourse	Material: Concrete	Pipe length:
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:300	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-8			(Constr) 0
	0.00	WL	Water level, 5 % height/diameter			(Serv) 0
	1.40	S1 CN	Connection, at 12 o'clock, dia 80 mm, Start			(Constr) 0
	2.40	S2 CN	Connection, at 01 o'clock, dia 80 mm, Start			(Constr) 0
	20.20	MH	Manhole Remark: W10-7A			(Constr) 0
	38.10	CN	Connection, at 11 o'clock, dia 150 mm			(Constr) 0
	40.90	MH	Manhole Remark: W10-7			(Constr) 0
	40.90	F1 CN	Connection, at 12 o'clock, dia 80 mm, Finish			(Constr) 0
	40.90	F2 CN	Connection, at 01 o'clock, dia 80 mm, Finish			(Constr) 0
	40.90	FH	Finish Survey			(Misc) 0

Structural Defects

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Service Defects

Miscellaneous Features



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 7	PLR: W10-9 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-9
Place: Place	District:	end MH: W10-10
Location:	Tape No.: 1	Total length: 31.9 m

Purpose: Asset condition	Size/Shape: Rectangular 750/1000
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:250	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-9			(Constr) 0
	1.00	S1	CN Connection, at 12 o'clock, dia 80 mm, Start			(Constr) 0
	1.00	S2	CN Connection, at 11 o'clock, dia 80 mm, Start			(Constr) 0
	31.90	MH	Manhole Remark: W10-10			(Constr) 0
	31.90	F1	CN Connection, at 12 o'clock, dia 80 mm, Finish			(Constr) 0
	31.90	F2	CN Connection, at 11 o'clock, dia 80 mm, Finish			(Constr) 0
	31.90	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features



Inspection report

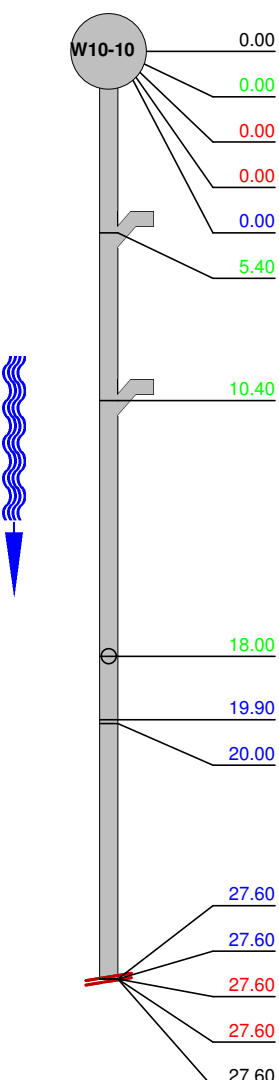
Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 8	PLR: W10-10 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-10
Place: Place	District:	end MH: W10-11
Location:	Tape No.: 1	Total length: 27.6 m

Purpose: Asset condition	Size/Shape: Rectangular 670/1100
Use: Watercourse	Material: Brick Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:225	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-10			(Constr) 0
	0.00	S1	MM Mortar missing medium from 01 to 05 o'clock, Start			
	0.00	S2	MM Mortar missing medium from 07 to 11 o'clock, Start			
	0.00	S3	DES Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	5.40	CNI	Connection, at 09 o'clock, dia 100 mm, intrusion 50 mm		8_6a	(Constr) 4
	10.40	CN	Connection, at 09 o'clock, dia 225 mm			(Constr) 0
	18.00	CN	Connection, at 11 o'clock, dia 100 mm			(Constr) 0
	19.90	F3	DES Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	20.00	S4	DE Debris, 20 % cross-sectional area loss, Start			(Serv) 1
	27.60	RT	Tap Roots		8_11a	(Serv) 3
	27.60	F4	DE Debris, 20 % cross-sectional area loss, Finish			(Serv) 1
	27.60	F1	MM Mortar missing medium from 01 to 05 o'clock, Finish			
	27.60	F2	MM Mortar missing medium from 07 to 11 o'clock, Finish			
	27.60	SA	Survey abandoned. Camera Stuck			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
8

PLR:
W10-10 X



Photo: 8_6a, Tape No.: 1
5.4m, Connection, at 09 o'clock, dia 100 mm, intrusion 50 mm



Photo: 8_11a, Tape No.: 1
27.6m, Tap Roots

Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 9	PLR: W10-6 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-7
Place: Place	District:	end MH: W10-6
Location:	Tape No.: 1	Total length: 53 m
Purpose: Asset condition	Size/Shape: Rectangular 750/1000	
Use: Watercourse	Material: Concrete	Pipe length:
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:400	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-7			(Constr) 0
	1.30	S1	CN	Connection, at 12 o'clock, dia 80 mm, Start		(Constr) 0
	1.90	S2	CN	Connection, at 01 o'clock, dia 80 mm, Start		(Constr) 0
	3.70	CN	Connection, at 12 o'clock, dia 150 mm			(Constr) 0
	3.70	SSS	Surface damage, spalling slight, from 12 to 01 o'clock	9_6a		(Struct) 2
	10.20	DES	Debris silt, 5 % cross-sectional area loss			(Serv) 1
	11.00	F1	CN	Connection, at 12 o'clock, dia 80 mm, Finish		(Constr) 0
	11.00	F2	CN	Connection, at 01 o'clock, dia 80 mm, Finish		(Constr) 0
	11.40	MH	Manhole Remark: W10-6A			(Constr) 0
	12.00	DC	Dimension of sewer changes, new dimension dia 1200 mm			(Misc) 0
	12.00	S1	DES	Debris silt, 5 % cross-sectional area loss, Start		(Serv) 1
	12.00	WL	Water level, 5 % height/diameter			(Serv) 0
	25.30	S2	DE	Debris, 5 % cross-sectional area loss, Start		(Serv) 1
	44.00	F2	DE	Debris, 5 % cross-sectional area loss, Finish		(Serv) 1
	53.00	MH	Manhole Remark: W10-6			(Constr) 0
	53.00	F1	DES	Debris silt, 5 % cross-sectional area loss, Finish		(Serv) 1
	53.00	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
9PLR:
W10-6 X

Photo: 9_6a, Tape No.: 1
3.7m, Surface damage, spalling slight, from 12 to 01 o'clock



Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 10	PLR: W10-14 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road:	Road	Division:		start MH:	W10-15
Place:	Place	District:		end MH:	W10-14
Location:		Tape No.:	1	Total length:	36.6 m
Purpose:	Asset condition	Size/Shape:	Rectangular 510/1300		
Use:	Watercourse	Material:	Concrete Pipe length:		
Catchment:		Lining:			
		Category:			
Comment:					
Location details:					

1:275	position	code	observation	MPEG	photo	grade	
	0.00	ST	Start of Survey			(Misc) 0	
	0.00	MH	Manhole Remark: W10-15			(Constr) 0	
	0.00	WL	Water level, 5 % height/diameter			(Serv) 0	
	5.40	JDM	Joint displaced. Medium			(Struct) 1	
	7.50	JDM	Joint displaced. Medium			(Struct) 1	
	9.70	JDM	Joint displaced. Medium			(Struct) 1	
	9.70	RT	Tap Roots	10_7a		(Serv) 3	
	15.00	MH	Manhole Remark: W10-14A			(Constr) 0	
	29.00	S1	DES	Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	33.70	S2	LL	Line of Sewer deviates left, Start			(Serv) 0
	36.60	F2	LL	Line of Sewer deviates left, Finish			(Serv) 0
	36.60	F1	DES	Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	36.60	MH	Manhole Remark: W10-14			(Constr) 0	
36.60	FH	Finish Survey			(Misc) 0		

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features



Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
10

PLR:
W10-14 X



Photo: 10_7a, Tape No.: 1
9.7m, Tap Roots



Dene-Tech Services Ltd
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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 11	PLR: W10-16 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-15
Place: Place	District:	end MH: W10-16
Location:	Tape No.: 1	Total length: 74.5 m
Purpose: Asset condition	Size/Shape: Rectangular 600/1400	
Use: Watercourse	Material: Concrete	Pipe length:
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:550	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-15			(Constr) 0
	0.00	WL	Water level, 5 % height/diameter			(Serv) 0
	0.30	S1	CN Connection, at 12 o'clock, dia 100 mm, Start			(Constr) 0
	0.30	S2	CN Connection, at 11 o'clock, dia 100 mm, Start			(Constr) 0
	21.80	DE	Debris, 5 % cross-sectional area loss			(Serv) 1
	23.30	DE	Debris, 5 % cross-sectional area loss			(Serv) 1
	53.80	DE	Debris, 5 % cross-sectional area loss			(Serv) 1
	74.50	MH	Manhole Remark: W10-16			(Constr) 0
	74.50	F1	CN Connection, at 12 o'clock, dia 100 mm, Finish			(Constr) 0
	74.50	F2	CN Connection, at 11 o'clock, dia 100 mm, Finish			(Constr) 0
	74.50	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 12	PLR: W10-16 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-16
Place: Place	District:	end MH: W10-17
Location:	Tape No.: 1	Total length: 77.5 m
Purpose: Asset condition	Size/Shape: Rectangular 600/1400	
Use: Watercourse	Material: Concrete	Pipe length:
Catchment:	Lining:	
	Category:	
Comment:		
Location details:		

1:575	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-16			(Constr) 0
	0.50	S2	CN Connection, at 12 o'clock, dia 100 mm, Start			(Constr) 0
	0.50	S3	CN Connection, at 11 o'clock, dia 100 mm, Start			(Constr) 0
	1.00	S3	CN Connection, at 01 o'clock, dia 100 mm, Start			(Constr) 0
	5.60	S1	DE Debris, 5 % cross-sectional area loss, Start			(Serv) 1
	12.00	F1	DE Debris, 5 % cross-sectional area loss, Finish			(Serv) 1
	21.50		DE Debris, 5 % cross-sectional area loss			(Serv) 1
	27.80	OJS	Open joint small			(Struct) 1
	27.80	S4	DES Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	74.60	LL	Line of Sewer deviates left			(Serv) 0
	77.50	MH	Manhole Remark: W10-17			(Constr) 0
	77.50	F4	DES Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	77.50	F2	CN Connection, at 12 o'clock, dia 100 mm, Finish			(Constr) 0
	77.50	F3	CN Connection, at 11 o'clock, dia 100 mm, Finish			(Constr) 0
	77.50	F3	CN Connection, at 01 o'clock, dia 100 mm, Finish			(Constr) 0
	77.50	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features



Dene-Tech Services Ltd
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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 13	PLR: W10-17 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-18
Place: Place	District:	end MH: W10-17
Location:	Tape No.: 1	Total length: 26.8 m

Purpose: Asset condition	Size/Shape: Rectangular 630/1350
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:200	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-18			(Constr) 0
	0.00	S1 DES	Debris silt, 10 % cross-sectional area loss, Start			(Serv) 1
	10.90	DE	Debris, 5 % cross-sectional area loss			(Serv) 1
	23.50	JDM	Joint displaced. Medium			(Struct) 1
	25.50	LR	Line of Sewer deviates right			(Serv) 0
	26.80	MH	Manhole Remark: W10-17			(Constr) 0
	26.80	F1 DES	Debris silt, 10 % cross-sectional area loss, Finish			(Serv) 1
	26.80	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection report

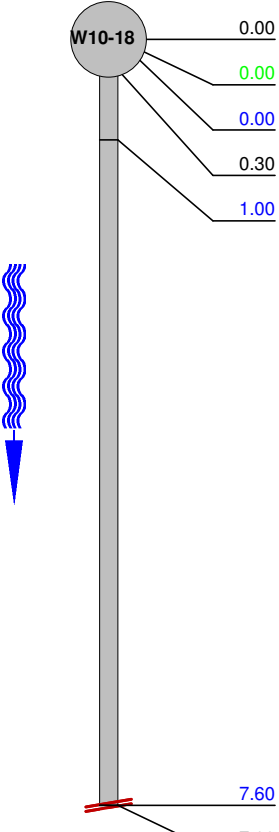
Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 14	PLR: W10-18 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-18
Place: Place	District:	end MH: W10-DS
Location:	Tape No.: 1	Total length: 7.6 m

Purpose: Asset condition	Size/Shape: Rectangular 630/1350
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:75	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-18			(Constr) 0
	0.00	S1 DES	Debris silt, 30 % cross-sectional area loss, Start			(Serv) 1
	0.30	DC	Dimension of sewer changes, new dimension 350x1300mm			(Misc) 0
	1.00	OB	Obstruction, 5 % height/diameter loss			(Serv) 2
	7.60	F1 DES	Debris silt, 30 % cross-sectional area loss, Finish			(Serv) 1
	7.60	SA	Survey abandoned		14_7a	(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features



Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
14

PLR:
W10-18 X



Photo: 14_7a, Tape No.: 1
7.6m, Survey abandoned



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 15	PLR: W10-2 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-3
Place: Place	District:	end MH: W10-2
Location:	Tape No.: 1	Total length: 26.7 m

Purpose: Asset condition	Size/Shape: Circular 1160
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:200	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-3			(Constr) 0
	0.00	S1 DES	Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	10.10	OB	Obstruction, 5 % height/diameter loss		15_4a	(Serv) 2
	26.70	MH	Manhole Remark: W10-2			(Constr) 0
	26.70	F1 DES	Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	26.70	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features



Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
15

PLR:
W10-2 X



Photo: 15_4a, Tape No.: 1
10.1m, Obstruction, 5 % height/diameter loss



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 16	PLR: W10-1 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-2
Place: Place	District:	end MH: W10-1
Location:	Tape No.: 1	Total length: 15.6 m

Purpose: Asset condition	Size/Shape: Rectangular 740/1000
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:125	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-2			(Constr) 0
	4.00	S1	CN	Connection, at 12 o'clock, dia 100 mm, Start		(Constr) 0
	4.20	S2	CN	Connection, at 11 o'clock, dia 100 mm, Start		(Constr) 0
	12.80	OB	Obstruction, 5 % height/diameter loss	16_5a		(Serv) 2
	15.50	OB	Obstruction, 10 % height/diameter loss	16_6a		(Serv) 2
	15.50	SSM	Surface damage, spalling medium, at 12 o'clock	16_7a, b		(Struct) 3
	15.60	F1	CN	Connection, at 12 o'clock, dia 100 mm, Finish		(Constr) 0
	15.60	F2	CN	Connection, at 11 o'clock, dia 100 mm, Finish		(Constr) 0
	15.60	SA	Survey abandoned			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
16

PLR:
W10-1 X



Photo: 16_5a, Tape No.: 1
 12.8m, Obstruction, 5 % height/diameter loss



Photo: 16_6a, Tape No.: 1
 15.5m, Obstruction, 10 % height/diameter loss



Photo: 16_7a, Tape No.: 1
 15.5m, Surface damage, spalling medium, at 12 o'clock



Photo: 16_7b, Tape No.: 1
 15.5m, Surface damage, spalling medium, at 12 o'clock



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 17	PLR: W10-3 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-3
Place: Place	District:	end MH: W10-4
Location:	Tape No.: 1	Total length: 40 m

Purpose: Asset condition	Size/Shape: Circular 1160
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:300	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-3			(Constr) 0
	0.00	S1 DES	Debris silt, 5 % cross-sectional area loss, Start			(Serv) 1
	1.10	CL	Longitudinal Crack, at 11 o'clock		17_4a	(Struct) 2
	40.00	MH	Manhole Remark: W10-4			(Constr) 0
	40.00	F1 DES	Debris silt, 5 % cross-sectional area loss, Finish			(Serv) 1
	40.00	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features



Inspection photos

Place:
Place

Road:
Road

Date:
01/02/1234

section number:
17

PLR:
W10-3 X



Photo: 17_4a, Tape No.: 1
1.1m, Longitudinal Crack, at 11 o'clock



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Inspection report

Date: 01/02/1234	Job N°: Job No	Weather: Dry	Operator: Callum	section number: 18	PLR: W10-4 X
Present:	Vehicle: LT35	Camera: Pan and Tilt	Preset:	Cleaned:	Grade:

Road: Road	Division:	start MH: W10-4
Place: Place	District:	end MH: W10-5
Location:	Tape No.: 1	Total length: 40.4 m

Purpose: Asset condition	Size/Shape: Circular 1160
Use: Watercourse	Material: Concrete Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:300	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: W10-4			(Constr) 0
	40.40	MH	Manhole Remark: W10-4			(Constr) 0
	40.40	FH	Finish Survey			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Road:	Road	Division:	start MH:	W10-5
Place:	Place	District:	end MH:	W10-6
Location:		Tape No.: 1	Total length:	13.3 m

Purpose:	Asset condition	Size/Shape:	Circular 1160
Use:	Watercourse	Material:	Concrete Pipe length:
Catchment:		Lining:	
		Category:	

Location details:

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features

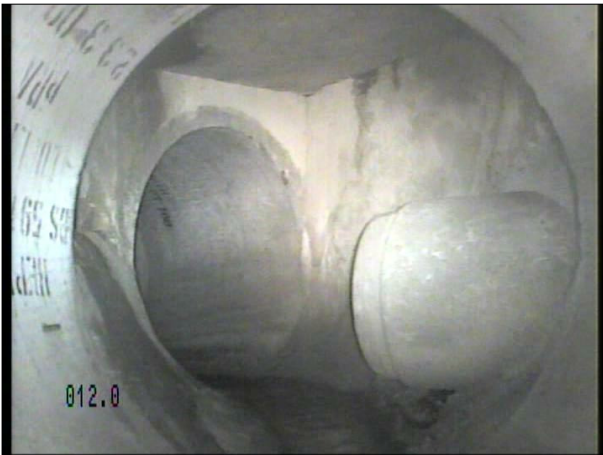
Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
19PLR:
W10-5 X

Photo: 19_3a, Tape No.: 1
12.5m, Connection, at 03 o'clock, dia 225 mm, intrusion 300 mm