



Project-information

Project name:
Project Name CCTV

Contract number:
Job No

Contact:
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	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:
Project Name CCTV

Contract number:
Job No

Contact:
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°: DT3511	Weather: Dry	Operator: Gary	section number: 1	PLR: TQ14712504X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: No	Grade:

Road: Road	Division:	start MH: TQ14712505
Place: Place	District:	end MH: TQ14712504
Location: Light road	Tape No.: 1	Total length: 6.2 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment:	Lining:
	Category:

Comment:

Location details:

1:50	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: TQ14712505			(Constr) 0
	0.00	WL	Water level, 50 % height/diameter			(Serv) 0
	2.30	RFJ	Fine Roots at joint		4a	(Serv) 1
	5.50	RMJ	Mass Roots at joint 50 % cross-sectional area loss		5a	(Serv) 5
	6.20	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: 1	PLR: TQ14712504X
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Photo: 4a, Tape No.: 1
2.3m, Fine Roots at joint



Photo: 5a, Tape No.: 1
5.5m, Mass Roots at joint 50 % cross-sectional area loss

Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Gary	section number: 2	PLR: TQ14712505X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: No	Grade:

Road: Road	Division:	start MH: TQ14712505
Place: Place	District:	end MH: TQ14712507
Location: Light road	Tape No.: 2	Total length: 2.3 m

Purpose: Asset condition	Size/Shape: Circular 600
Use: Surface water	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: TQ14712505			(Constr) 0
	0.00	WL	Water level, 30 % height/diameter			(Serv) 0
	0.50	DE	Debris, 20 % cross-sectional area loss			(Serv) 1
	2.30	WL	Water level, 45 % height/diameter			(Serv) 0
	2.30	CU	Camera Underwater			(Misc) 0
	2.30	SA	Survey abandoned			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 3	PLR: TQ14712504X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

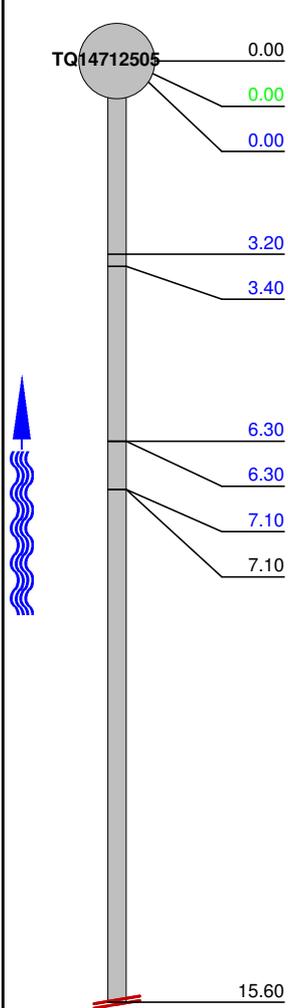
Road: Road	Division:	start MH: TQ14712505
Place: Place	District:	end MH: TQ14712504
Location: Light road	Tape No.: 3	Total length: 15.6 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay 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: TQ14712505			(Constr) 0
	0.00	WL	Water level, 10 % height/diameter			(Serv) 0
	3.20	WL	Water level, 20 % height/diameter			(Serv) 0
	3.40	S1 RFJ	Fine Roots at joint, Start		19a	(Serv) 1
	6.30	RMJ	Mass Roots at joint 45 % cross-sectional area loss		20a	(Serv) 5
	6.30	IDJ	Infiltration Dripping at joint from 11 to 01 o'clock			(Serv) 2
	7.10	WL	Water level, 30 % height/diameter			(Serv) 0
	7.10	CU	Camera Underwater, Remark: EVEN AS TANKER SUCKING WATER			(Misc) 0
	15.60	SA	Survey abandoned			(Misc) 0



Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
3PLR:
TQ14712504X

Photo: 19a, Tape No.: 3
3.4m, Fine Roots at joint, Start



Photo: 20a, Tape No.: 3
6.3m, Mass Roots at joint 45 % cross-sectional area loss

Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 4	PLR: TQ14712505X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ14712505
Place: Place	District:	end MH: TQ14712507
Location: Light road	Tape No.: 4	Total length: 0.8 m

Purpose: Asset condition	Size/Shape: Circular 600
Use: Surface water	Material: Vitrified clay 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: TQ14712505			(Constr) 0
	0.00	WL	Water level, 5% height/diameter			(Serv) 0
	0.20	S1 DE	Debris, 20 % cross-sectional area loss, Start		30a	(Serv) 1
	0.80	GO	General Observation, Remark: FLOW FROM OUTFALL COMING BACK UP PIPE			(Misc) 0
	0.80	SA	Survey abandoned, Remark: SILT TOO HEAVY			(Misc) 0

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features

Inspection photos

Place: Place	Road: Road	Date: 01/02/1234	section number: 4	PLR: TQ14712505X
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Photo: 30a, Tape No.: 4
0.2m, Debris, 20 % cross-sectional area loss, Start

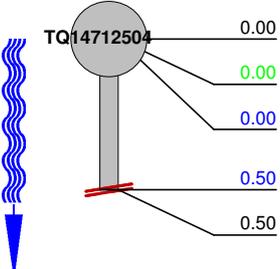
Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 5	PLR: TQ14712504X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ14712504
Place: Place	District:	end MH: TQ14712505
Location: Light road	Tape No.: 5	Total length: 0.5 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay 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: TQ14712504			(Constr) 0
		0.00	WL Water level, 50% height/diameter			(Serv) 0
		0.50	RMJ Mass Roots at joint 95 % cross-sectional area loss		37a	(Serv) 5
		0.50	SA Survey abandoned			(Misc) 0

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
5PLR:
TQ14712504X

Photo: 37a, Tape No.: 5
0.5m, Mass Roots at joint 95 % cross-sectional area loss

Inspection photos

Place: Place	Road: Road	Date: 01/02/1234	section number: 6	PLR: TQ147125ZTX
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Photo: 41a, Tape No.: 6
0.6m, Fine Roots at joint

Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 7	PLR: TQ14712402X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ147125ZT
Place: Place	District:	end MH: TQ14712402
Location: Light road	Tape No.: 7	Total length: 30.6 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay 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: TQ147125ZT			(Constr) 0
	0.00	WL	Water level, 50 % height/diameter			(Serv) 0
	0.00	GO	General Observation, Remark: MH 2504 WAS EMPTY AT TIME OF SURVEY			(Misc) 0
	0.80	S1 RFJ	Fine Roots at joint, Start		52a	(Serv) 1
	0.80	CN	Connection, at 10 o'clock, dia 100 mm			(Constr) 0
	5.00	F1 RFJ	Fine Roots at joint, Finish			(Serv) 1
	6.40	WL	Water level, 60 % height/diameter			(Serv) 0
	12.50	S2 RFJ	Fine Roots at joint, Start		56a	(Serv) 1
	28.00	WL	Water level, 30 % height/diameter			(Serv) 0
	29.10	H	Hole in sewer at 03 o'clock		58a	(Struct) 4
	30.60	RMJ	Mass Roots at joint 80 % cross-sectional area loss		59a	(Serv) 5
	30.60	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: 7	PLR: TQ14712402X
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Photo: 52a, Tape No.: 7
0.8m, Fine Roots at joint, Start



Photo: 56a, Tape No.: 7
12.5m, Fine Roots at joint, Start



Photo: 58a, Tape No.: 7
29.1m, Hole in sewer at 03 o'clock



Photo: 59a, Tape No.: 7
30.6m, Mass Roots at joint 80 % cross-sectional area loss

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
8PLR:
TQ14711304X

Photo: 65a, Tape No.: 8
0.3m, Mass Roots 20 % cross-sectional area loss



Photo: 69a, Tape No.: 8
18.4m, Debris, 50 % cross-sectional area loss, Change

Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 9	PLR: TQ14712303X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ14712303
Place: Place	District:	end MH: TQ14712402
Location: Light road	Tape No.: 9	Total length: 3.8 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment:	Lining:
	Category:

Comment:
Location details:

1:50	position	code	observation	MPEG	photo	grade
	0.00	ST	Start of Survey			(Misc) 0
	0.00	MH	Manhole Remark: TQ14712303			(Constr) 0
	0.00	WL	Water level, 20 % height/diameter			(Serv) 0
	1.00	RFJ	Fine Roots at joint		76a	(Serv) 1
	1.30	WL	Water level, 10 % height/diameter			(Serv) 0
	3.80	RMJ	Mass Roots at joint 95 % cross-sectional area loss		77a	(Serv) 5
	3.80	SA	Survey abandoned			(Misc) 0

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features

Inspection photosPlace:
PlaceRoad:
RoadDate:
01/02/1234section number:
9PLR:
TQ14712303X

Photo: 76a, Tape No.: 9
1m, Fine Roots at joint



Photo: 77a, Tape No.: 9
3.8m, Mass Roots at joint 95 % cross-sectional area loss

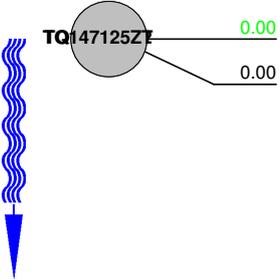
Inspection report

Date: 01/02/1234	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 10	PLR: TQ14712402X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ14712402
Place: Place	District:	end MH: TQ147125ZT
Location: Light road	Tape No.: N/A	Total length: 0 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment:	Lining:
	Category:

Comment:
Location details:

1:25	position	code	observation	MPEG	photo	grade
		MH	Manhole Remark: TQ14712402			(Constr) 0
		GO	General Observation. MANHOLE TQ14712402 UNABLE TO GAIN ACCESS			(Misc) 0

Structural Defects

Constructional Features

Service Defects

Miscellaneous Features

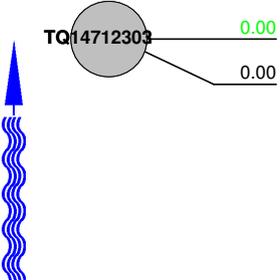
Inspection report

Date: 01/02/2024	Job N°: DT3511	Weather: Dry	Operator: Lee	section number: 11	PLR: TQ14712303X
Present:	Vehicle: VW Crafter	Camera: Telespec Mainline	Preset:	Cleaned: Yes	Grade:

Road: Road	Division:	start MH: TQ14712402
Place: Place	District:	end MH: TQ14712303
Location: Light road	Tape No.: N/A	Total length: 0 m

Purpose: Asset condition	Size/Shape: Circular 375
Use: Surface water	Material: Vitrified clay Pipe length:
Catchment:	Lining:
	Category:

Comment:
 Location details:

1:25	position	code	observation	MPEG	photo	grade
		MH	Manhole Remark: TQ14712402			(Constr) 0
		GO	General Observation. MANHOLE TQ14712402 UNABLE TO GAIN ACCESS			(Misc) 0

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features