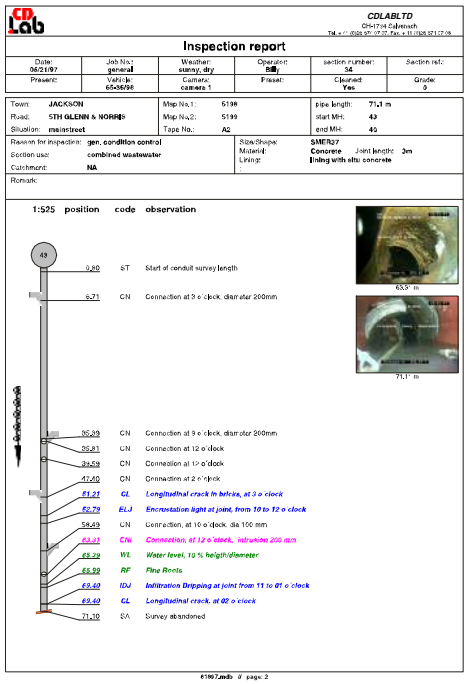
Data collection for CCTV Inspection and Rehabilitation

Your report is probably the only means your client has of judging the quality and value of the CCTV inspection you have undertaken. It is your opportunity to make them want to come back to you, time and time again.

WinCan is an easy-to-use reporting package that gives professional, clear and concise reports, which can be customised to your clients' needs. You can also include photographs captured directly from your survey video and even record video clips to help provide evidence of incidents such as water ingress.

And if you wish all of this can be given to your client on CD ROM, allowing them to view your observations and print a range of standard reports as they wish.



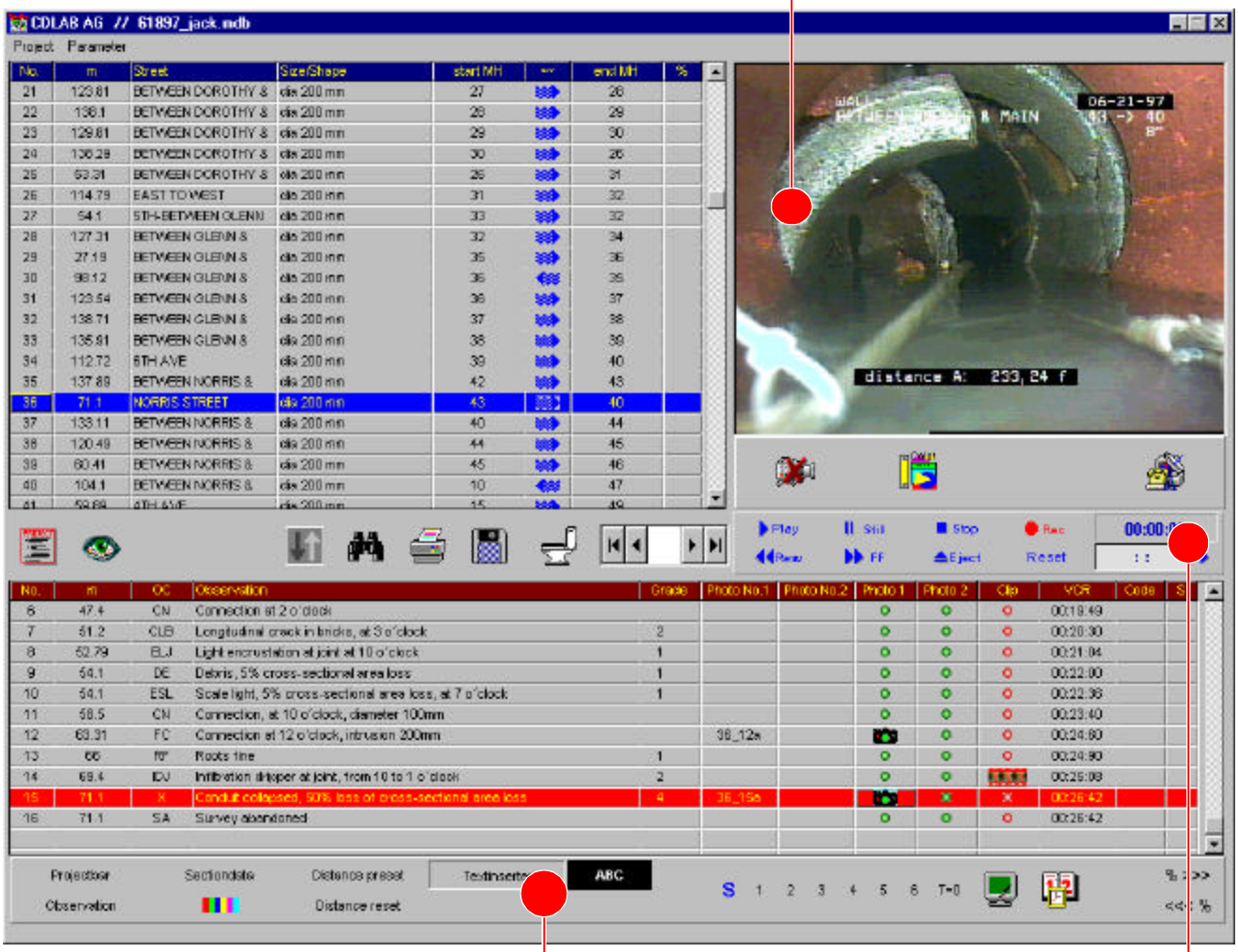
For more detailed surveys WinCan offers you comprehensive analysis and reporting of defects plus the ability to do post rehabilitation surveys. "Before" and "after" photographs can be printed together as evidence that repairs have been carried out correctly.

For the ultimate in reporting WinCan can even be installed in your vehicle and linked to your CCTV system screenwriter so that you can do the survey on site. You only have to input information once - no more late nights at the office producing overdue reports.

- **Modular design that grows with your business**
- **Easy to learn and use**
- **Start using straight away with minimal training**
- **Operates with Windows 98, ME, 2000 or NT**
- **Can be used with any make of CCTV system**
- **Includes full set of WRC descriptions**
- **Colour coded reports and extensive graphics to aid interpretation**

Overview of surveyed sections. The number of sections is only limited by the hard disk space available.

This picture window is used to show the live video picture,the captured still picture, or the recorded video sequence. In full SVGA resolution, the image can be enlarged.



Observations, relating to the highlighted selection in the section window. This window accepts data for initial inspection and after rehabilitation. Footage and VCR counter are automatically input when using compatible hardware. Includes user definable observation catalogue with different layouts.

All VCR's with RS-232 interface are controllable. through WinCan. VCR fast forwards or rewinds by "drag and drop" to a specific location on the videotape.

Control panel for text screnwriter (mobile version only).

Sample Reports

CDLABLTD
CH-1794Salvenach
Tel:+41(0)26 6740707,Fax:+41(0)266740708

Project-information

Project name:	Job No:	Responsible:	Date:
BIGTOWN, AW	1505AB	BERND GREEN	18,07,99

Client	City of Bigtown
Responsible:	John Johnson
Department:	
PO Box:	Alley West of Main
Street:	Bigtown, AW
Zip/Town:	
Telephone:	800-265-5065
Fax:	800-265-5966
Mobile:	
E-Mail:	
Project manager	ABC ENGINEERING
Responsible:	JANE SMITH
Department:	
PO Box:	9014
Street:	
Zip/Town:	2202 SYDNEY
Telephone:	
Fax:	
Mobile:	
E-Mail:	
Contractor	CDLAB LTD
Responsible:	
Department:	
PO Box:	
Street:	Schnydersweg 199
Zip/Town:	CH-1794 Salvenach
Telephone:	+ 41 (26) 674 07 07
Fax:	+ 41 (26) 674 07 08
Mobile:	
E-Mail:	

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Defect grade description

Project name:	Project number:	Contact:	Date:
BIGTOWN, AW	1505AB	BERND GREEN	18,07,99

1: Occurances without damage: for example, laterals, joints etc.

NO DEFECTS WERE DETECTED.

2: Constructional deficiencies or occurances 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 EMERCENCY 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.

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Inspection report

Date:	Job No.:	Weather:	Operator:	section number:	Section ref.:
06/21/97	general	sunny, dry	Billy	34	
Present:	Vehicle:	Camera:	Preset:	Cleaned:	Grade:
	65-36/98	camera 1		Yes	0

Town:	JACKSON	Map No.1:	5198	pipe length:	71.1 m
Road:	5TH GLENN & NORRIS	Map No.2:	5199	start MH:	43
Situation:	mainstreet	Tape No.:	A2	end MH:	40
Reason for inspection:	gen. condition control	Size/Shape:	SMER37		
Section use:	combined wastewater	Material:	Concrete	Joint length:	3m
Catchment:	NA	Lining:	lining with situ concrete		

Remark:

1:525	position	code	observation	counter	photo	grade
43						
	0,80	ST	Start of conduit survey length	00:14:49		0
	6,71	CN	Connection at 3 o´clock, diameter 200mm	00:15:40		0
	35,39	CN	Connection at 9 o´clock, diameter 200mm	00:18:06		0
	35,81	CN	Connection at 12 o´clock	00:18:34		0
	39,59	CN	Connection at 12 o´clock	00:19:05		0
	47,40	CN	Connection at 2 o´clock	00:19:49		0
	51,21	CL	Longitudinal crack in bricks, at 3 o´clock	00:20:30		2
	52,79	ELJ	Encrustation light at joint, from 10 to 12 o´clock	00:21:04		2
	58,49	CN	Connection, at 10 o´clock, dia 100 mm	00:22:36		0
	63,31	CNI	Connection, at 12 o´clock, intrusion 200 mm	00:23:26	36_10a	4
	65,29	WL	Water level, 10 % heigth/diameter	00:24:02		1
	65,99	RF	Fine Roots	00:24:27		1
	69,40	IDJ	Infiltration Dripping at joint from 11 to 01 o´clock	00:25:00		2
	69,40	CL	Longitudinal crack, at 02 o´clock	00:25:08		2
	71,10	SA	Survey abandoned	00:27:44		0

Print option: with max. 5 Photos

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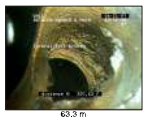
Inspection report

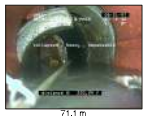
Date:	Job No.:	Weather:	Operator:	section number:	Section ref.:
06/21/97	general	sunny, dry	Billy	34	
Present:	Vehicle:	Camera:	Preset:	Cleaned:	Grade:
	65-36/98	camera 1		Yes	

Town:	JACKSON	Map No.1:	5198	pipe length:	71.1 m
Road:	5TH GLENN & NORRIS	Map No.2:	5199	start MH:	43
Situation:	Main road - urban	Tape No.:	A2	end MH:	40
Reason for inspection:	general inspection	Size/Shape:	SMER37		
Section use:	Combined	Material:	Concrete	Joint length:	3m
Catchment:	NA	Lining:	Other		

Remark:

1:525	position	observation
43		
	0,80	Start of conduit survey length
	6,70	Connection at 3 o´clock, diameter 200mm
	35,40	Connection at 9 o´clock, diameter 200mm
	35,80	Connection at 12 o´clock
	39,60	Connection at 12 o´clock
	47,40	Connection at 2 o´clock
	51,20	Longitudinal crack in bricks, at 3 o´clock
	52,80	Encrustation light at joint, from 10 to 12 o´clock
	58,50	Connection, at 10 o´clock, dia 100 mm
	63,30	Connection, at 12 o´clock, intrusion 200 mm
	65,30	Water level, 10 % heigth/diameter
	66,00	Fine Roots
	69,40	Infiltration Dripping at joint from 11 to 01 o´clock
	69,40	Longitudinal crack, at 02 o´clock
	71,10	Conduit collapsed, 50 % loss of cross-sectional area loss
	71,10	Survey abandoned


63.3 m


71.1 m

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Inspection photos

Town:	Street:	Date:	section number:	Section ref.:
JACKSON	NORRIS STREET	16.06.98	36	

Photo: 36_12a, Tape No.: 65-36/98, 00:24:60
Connection at 12 o´clock, intrusion 100mm

Photo: 36_15a, Tape No.: 65-36/98, 00:26:42
Conduit collapsed, 50% loss of cross-sectional area loss

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Inspection photos

Town:	Street:	Date:	section number:	Section ref.:
JACKSON	BETWEEN GLENN & NORRIS	06/20/97	28	

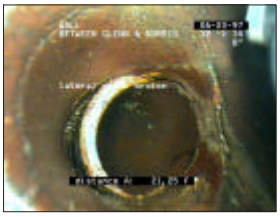

Photo: 28_5a, Tape No.: 11253, 00:03:05
Connection defective, at 02 o´clock

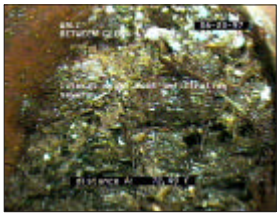

Photo: 28_7a, Tape No.: 11253, 00:06:38
Connection at 3 o'clock root infiltration severe

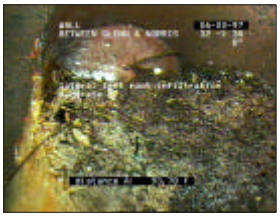

Photo: 28_10a, Tape No.: 11253, 00:10:57
Connection at 10 o´clock root infiltration moderate

Photo: 28_13a, Tape No.: 11253, 00:13:12
Connection at 2 o'clock root infiltration severe

Print option: inspection from the main

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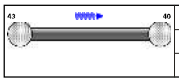
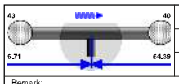
House connection report



section number:	Section ref.:	Pipe length:	start MH:	end MH:
36		71.1 m	43	40
Material: concrete	Size/Shape: dia 200 mm	Lining: lining with brick	Section use: combined wastewater	
Town: JACKSON	Street: NORRIS STREET	Situation: mainstreet	Tape No.: 65-36/98	



Date:	Weather:	Cleaned:	
01.06.99	cloudy	Yes	
Section ref.: H12_30	position: 6.71	Material: concrete	Size/Shape: dia 80 mm
Operator: Billy	Vehicle: Mercedes	Camera: Camera 1	Tape No.: C-12

Remark:

1:150	position	code	observation	counter	photo
	0.00	ST	Start of survey	00:00:00	
	2.40	EL	Encrustation light, from 04 to 07 o´clock	00:02:10	
	4.60	RF	Fine Roots	00:04:30	
	6.20	CM	Multiple Cracks, from 02 to 12 o´clock	00:06:05	
	8.30	H	Hole in sewer from 01 to 03 o´clock	00:08:10	
	17.20	DEJ	Debris at joint, 5 %	00:12:05	
	18.10	FH	Finish survey	00:13:10	

or from the houseconnection

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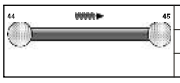
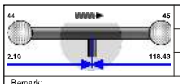
House connection report



section number:	Section ref.:	pipe length:	start MH:	end MH:
36		120.53 m	44	45
Material: vitrified clay	Size/Shape: SMER39	Lining: north	Section use: sanitary	
Town: SYDNEY	Road: 5TH GLENN & NORRIS	Situation: no data	Tape No.: A2	



Date:	Weather:	Cleaned:	
24.07.99	Dry	Yes	
Section ref.: H12-30	position: 2.10	Material: Concrete	Size/Shape: dia 80 mm
Operator:	Vehicle: Mercedes	Camera: camera 2	Tape No.: H-22

Remark:

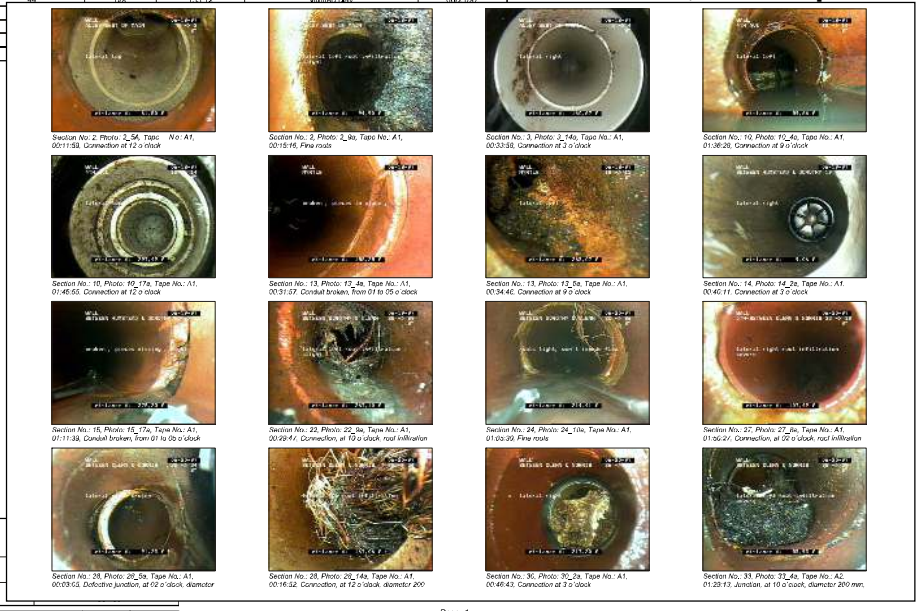
1:150	position	code	observation	counter	photo	grade
	0.00	ST	Start of survey	00:00:00		0
	2.40	ELJ	Encrustation light at joint, from 04 to 07 o´clock	00:00:00		2
	4.60	RF	Fine Roots	00:00:00		1
	6.20	CM	Multiple Cracks, from 02 to 12 o´clock	00:00:00		3
	8.30	H	Hole in sewer from 01 to 03 o´clock	00:00:00		4
	17.20	DEJ	Debris at joint, 5 %	00:00:00		1
	18.10	FH	Finish survey	00:00:00		0

WinCan offers you comprehensive analysis

Report in list format

	ROAD	from Manhole	to Manhole	Flow	Section length	Material	Date
1	2ND AVE	52	53	d/s	34.82	vitrified clay	06/22/97
2	2ND STR.	68	70	d/s	67,04	vitrified clay	06/24/97
3	4TH AVE	12	14	d/s	70,59	vitrified clay	06/18/97
4	4TH AVE	14	15	d/s	142,8	vitrified clay	06/18/97
5	4TH AVE	50	11	d/s	105,2	vitrified clay	06/21/97
6	4TH AVE	56	57	d/s	165,73	vitrified clay	06/22/97
7	4TH AVE	15	49	d/s	59,91	vitrified clay	06/21/97
8	5TH AVE	6	8	d/s	50,7	pvc	06/18/97
9	5TH AVE	16	18	d/s	79,4	vitrified clay	06/18/97
10	5TH GLENN & NORRIS	37	38	d/s	138,71	vitrified clay	06/20/97
11	5TH GLENN & NORRIS	42	43	d/s	137,91	vitrified clay	06/21/97
12	5TH GLENN & NORRIS	43	40	d/s	71,1	Concrete	06/21/97
13	5TH GLENN & NORRIS	44	45	d/s	120,53	vitrified clay	06/21/97
14	6TH-BETWEEN GLENN & NORRIS	33	32	d/s	54,1	vitrified clay	06/20/97
15	6TH AVE	22	24	d/s	55,59	vitrified clay	06/19/97
16	6TH AVE	23	22	d/s	96,03	pvc	06/19/97
17	6TH AVE	39	40	d/s	112,67	vitrified clay	06/20/97
18	ALLEY WEST OF MAIN	2	3	u/s	62,75	vitrified clay	06/18/97
19	ALLEY WEST OF MAIN	3	4	d/s	132,7	vitrified clay	06/18/97
20	ALLEY WEST OF MAIN	4	5	d/s	44,5	vitrified clay	06/18/97
21	ALLEY WEST OF MAIN	5	6	d/s	35,3	pvc	06/18/97
22	ALLEY WEST OF MAIN	1	2	d/s	30	concrete	06/18/97
23	ALLEY WEST OF MAIN	4	5	d/s	102,03	vitrified clay	06/23/97
24	BETWEEN 3RD & 4TH	46	34	d/s	124,74	vitrified clay	06/22/97
25	BETWEEN DOROTHY & GLENN	26	31	d/s	53,33	vitrified clay	06/20/97
26	BETWEEN DOROTHY & GLENN	27	28	d/s	123,83	vitrified clay	06/19/97
27	BETWEEN DOROTHY & GLENN	28	29	d/s	138,1	vitrified clay	06/19/97
28	BETWEEN DOROTHY & GLENN	30	26	d/s	138,31	vitrified clay	06/20/97
29	BETWEEN DOROTHY & GLENN	29	30	d/s	129,75	vitrified clay	06/19/97
30	BETWEEN GLENN & NORRIS	38	39	d/s	155,9	vitrified clay	06/20/97
31	BETWEEN GLENN & NORRIS	36	37	d/s	123,53	vitrified clay	06/20/97
32	BETWEEN GLENN & NORRIS	36	35	u/s	98,07	vitrified clay	06/20/97
33	BETWEEN GLENN & NORRIS	35	36	d/s	27,21	vitrified clay	06/20/97
34	BETWEEN GLENN & NORRIS	32	34	d/s	127,26	vitrified clay	06/20/97
35	BETWEEN HUMSTEAD & DOROTHY	19	20	d/s	121,1	pvc	06/19/97
36	BETWEEN HUMSTEAD & DOROTHY	20	21	d/s	138,3	pvc	06/19/97
37	BETWEEN HUMSTEAD & DOROTHY	21	22	d/s	130,44	vitrified clay	06/19/97
38	BETWEEN NORRIS & MAIN	45	46	d/s	60,36	vitrified clay	06/21/97
39	BETWEEN NORRIS & MAIN	40	44	d/s	133,12	vitrified clay	06/21/97
40	BETWEEN NORRIS & MAIN	10					
41	CREIGHTON RD	67					
42	CREIGHTON RD	62					

Photo catalogue 4, 9 or 16 photos



Section No.: 2, Photo: 2_5A, Tape No.: A1, 00:11:59, Connection at 12 o'clock

Section No.: 2, Photo: 2_9a, Tape No.: A1, 00:15:16, Fine roots

Section No.: 3, Photo: 3_14a, Tape No.: A1, 00:33:58, Connection at 3 o'clock

Section No.: 10, Photo: 10_4a, Tape No.: A1, 01:36:29, Connection at 9 o'clock

Section No.: 18, Photo: 18_17a, Tape No.: A1, 01:46:55, Connection at 12 o'clock

Section No.: 13, Photo: 13_4a, Tape No.: A1, 00:31:57, Conduit broken, from 01 to 05 o'clock

Section No.: 13, Photo: 13_5a, Tape No.: A1, 00:34:46, Connection at 9 o'clock

Section No.: 14, Photo: 14_2a, Tape No.: A1, 00:40:11, Connection at 3 o'clock

Section No.: 15, Photo: 15_17a, Tape No.: A1, 01:11:39, Conduit broken, from 01 to 05 o'clock

Section No.: 22, Photo: 22_9a, Tape No.: A1, 00:29:47, Connection, at 10 o'clock, root infiltration

Section No.: 24, Photo: 24_10a, Tape No.: A1, 01:03:39, Fine roots

Section No.: 27, Photo: 27_8a, Tape No.: A1, 01:06:27, Connection, at 02 o'clock, root infiltration

Section No.: 28, Photo: 28_5a, Tape No.: A1, 00:03:03, Defective junction, at 02 o'clock, diamotor

Section No.: 28, Photo: 28_14a, Tape No.: A1, 00:16:32, Connection, at 12 o'clock, diameter 200

Section No.: 30, Photo: 30_2a, Tape No.: A1, 00:46:43, Connection at 3 o'clock

Section No.: 33, Photo: 33_4a, Tape No.: A2, 01:23:13, Junction, at 10 o'clock, diameter 200 mm;

Page: 1

Pipe diameter summary

CD Lab — CITY OF BIGTOWN

Ø

PROJECTNAME:	Project number:	Contact:
BIGTOWN, AW	13541S ADAS	BERND GREEN

No.	start MH	end MH	Date	Road	Type No.	Material	m	(m)
1	1	2	06/16/97	ALLEY WEST OF MAIN	A1	concrete	29,87	30
2	2	3	06/16/97	ALLEY WEST OF MAIN	A1	PVC	62	62,75
4	4	5	06/16/97	ALLEY WEST OF MAIN	A1	vitrified clay	44,52	44,5
5	5	6	06/16/97	ALLEY WEST OF MAIN	A1	pvc	35,26	35,3

Profile: 100 mm = 171,7 m (172,6 m)

No.	start MH	end MH	Date	Road	Type No.	Material	m	(m)
3	2	4	06/16/97	ALLEY WEST OF MAIN	A1	vitrified clay	132,71	132,7
12	18	16	06/16/97	6TH AVE	A1	vitrified clay	79,4	79,4
12	16	15	06/16/97	MYRTLE	A1	vitrified clay	16,27	16,3
25	26	31	06/20/97	BETWEEN DOROTHY & GLENN	A1	vitrified clay	53,33	53,3
26	31	32	06/20/97	EAST TO WEST ACROSS GLENN	A1	vitrified clay	114,75	114,8
27	32	32	06/20/97	5TH-BETWEEN GLENN & NORRIS	A1	vitrified clay	54,1	54,1
28	32	34	06/20/97	BETWEEN GLENN & NORRIS	A1	vitrified clay	127,26	127,3
29	35	36	06/20/97	BETWEEN GLENN & NORRIS	A1	vitrified clay	27,21	27,2
30	36	35	06/20/97	BETWEEN GLENN & NORRIS	A1	vitrified clay	98,07	98,1
31	36	37	06/20/97	BETWEEN GLENN & NORRIS	A1	vitrified clay	123,53	123,5
32	37	38	06/20/97	BETWEEN GLENN & NORRIS	A2	vitrified clay	138,71	138,7
33	38	39	06/20/97	BETWEEN GLENN & NORRIS	A2	vitrified clay	155,9	155,9
34	39	40	06/20/97	6TH AVE	A2	vitrified clay	112,67	112,7
35	42	43	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	137,91	137,9
36	43	40	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	71,09	71,1
37	40	44	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	133,12	133,1
38	44	45	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	120,53	120,5
39	45	46	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	60,36	60,4
40	10	47	06/21/97	BETWEEN NORRIS & MAIN	A2	vitrified clay	164,00	164,7
41	15	49	06/21/97	4TH AVE	A2	vitrified clay	59,91	59,9
42	50	11	06/21/97	4TH AVE	A2	vitrified clay	105,2	105,2
43	47	46	06/21/97	BETWEEN 3RD & 4TH	A2	vitrified clay	35,21	35,2
44	46	34	06/22/97	BETWEEN 3RD & 4TH	A2	vitrified clay	124,74	124,7
49	52	54	06/22/97	2ND AVE	A2	vitrified clay	34,82	34,8
47	53	54	06/22/97	NORRIS	A2	vitrified clay	105,16	105,2
48	54	55	06/22/97	NORRIS	A2	vitrified clay	59,41	59,4
49	67	68	06/22/97	CREIGHTON RD	A2	vitrified clay	115,23	115,2
50	60	60	06/22/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	70,01	70
51	60	61	06/22/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	82,24	82,2
52	62	61	06/22/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	57,75	57,8
53	56	57	06/22/97	4TH AVE	A2	vitrified clay	165,73	165,7
54	62	64	06/23/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	79,74	79,7
55	64	65	06/23/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	137,05	137,1
56	66	66	06/23/97	FROM PROCESSING TO SOUTH	A2	vitrified clay	49,02	49
57	43	40	06/23/97	BETWEEN NORRIS & MAIN	A3	vitrified clay	136,06	136,1
58	4	5	06/23/97	ALLEY WEST OF MAIN	A3	vitrified clay	102,03	102
59	51	67	06/23/97	GLENN ST.	A3	vitrified clay	54,41	54,4

Profile: 125 mm = 3521,7 m (3521,7 m)

No.	start MH	end MH	Date	Road	Type No.	Material	m	(m)
6	6	8	06/16/97	6TH AVE	A1	pvc	50,72	50,7
7	8	9	06/16/97	MAIN ST.	A1	vitrified clay	51,95	52
8	9	10	06/16/97	MAIN ST.	A1	vitrified clay	21,27	21,3
9	10	11	06/16/97	MAIN ST.	A1	vitrified clay	12	12
10	12	14	06/16/97	4TH AVE	A1	vitrified clay	70,59	70,6
11	14	15	06/16/97	4TH AVE	A1	vitrified clay	142,8	142,8
14	19	20	06/16/97	BETWEEN HUMSTEAD & DOROTHY	A1	pvc	121,12	121,1
15	20	21	06/16/97	BETWEEN HUMSTEAD & DOROTHY	A1	pvc	138,3	138,3

61897.mdb // page: 1

Programs for printing CD- and video covers are also available

No.	Street	m	MH		MH	counter
1	ALLEY WEST OF MAIN	29,88	1	-->	2	00:15:16
2	ALLEY WEST OF MAIN	62,75	2	-->	3	00:17:27
3	ALLEY WEST OF MAIN	132,7	3	-->	4	00:21:51
4	ALLEY WEST OF MAIN	44,5	4	-->	5	00:23:39
5	ALLEY WEST OF MAIN	35,26	5	-->	6	00:24:02
6	5TH AVE	50,7	6	-->	8	00:26:35
7	MAIN ST.	52	8	-->	9	00:27:39
8	MAIN ST.	21,3	9	-->	10	00:28:13
9	4TH AVE	70,59	12	-->	14	00:32:03
10	4TH AVE	142,8	14	-->	15	00:34:25
11	5TH AVE	79,4	16	-->	18	00:36:17
12	MYRTLE	16,3	16	-->	15	00:36:43
14	BETWEEN HUMSTEAD	121,1	19	-->	20	00:39:22
15	BETWEEN HUMSTEAD	138,3	20	-->	21	00:41:44
16	5TH AVE	96,03	23	-->	22	00:43:32
17	6TH AVE	112,67	39	-->	40	00:47:03
18	BETWEEN HUMSTEAD	130,44	21	-->	22	00:48:51
19	BETWEEN HUMSTEAD	60,36	45	-->	46	00:51:09
20	BETWEEN DOROTHY	123,83	27	-->	28	00:53:50
21	BETWEEN DOROTHY	138,1	29	-->	29	00:55:34
22	BETWEEN DOROTHY	129,75	30	-->	30	00:57:24
23	BETWEEN DOROTHY	138,31	26	-->	26	00:59:20
24	BETWEEN DOROTHY	53,33	31	-->	32	01:01:10
25	5TH GLENN & NORRIS	54,1	32	-->	32	01:02:11
26	5TH GLENN & NORRIS	127,26	32	-->	34	01:04:06
27	5TH GLENN & NORRIS	27,21	35	-->	36	01:05:10
28	5TH GLENN & NORRIS	98,07	36	-->	35	01:07:00
29	5TH GLENN & NORRIS	123,53	36	-->	37	01:08:51

Date: 16.07.99
Job No.: 1505AB
VCR No.: A1

LOCATION: SYDNEY
Project name: BIGTOWN, AW
JOB No.: 1505AB

Client

Name:	City of Bigtown
Responsible:	John Johnson
Department:	
PO Box:	Alley West of Main
Street:	Bigtown, AW
Zip/Town:	
Telephone:	860-965-5065
Fax:	860-965-5066
Mobile:	
E-Mail:	

Project manager

Name:	ABC ENGINEERING
Responsible:	JANE SMITH
Department:	
PO Box:	9614
Street:	
Zip/Town:	2202 SYDNEY
Telephone:	
Fax:	
Mobile:	
E-Mail:	

Contractor

Name:	CD LAB LTD
Responsible:	
Department:	
PO Box:	
Street:	Schnyderweg 199
Zip/Town:	CH-1794 Ralvenach
Telephone:	+ 41 (26) 674 97 97
Fax:	+ 41 (26) 674 97 98
Mobile:	
E-Mail:	

Manhole report

(in option: manhole surveys with PalmPilot)

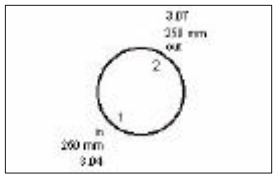
Manhole identification	1

Date	Location	Street	Map No.
24.09.2001	JACKSON	ALLEY WEST OF MAIN	1

X Y Z coordinates

manhole type	dimensions
Round	DN 1000

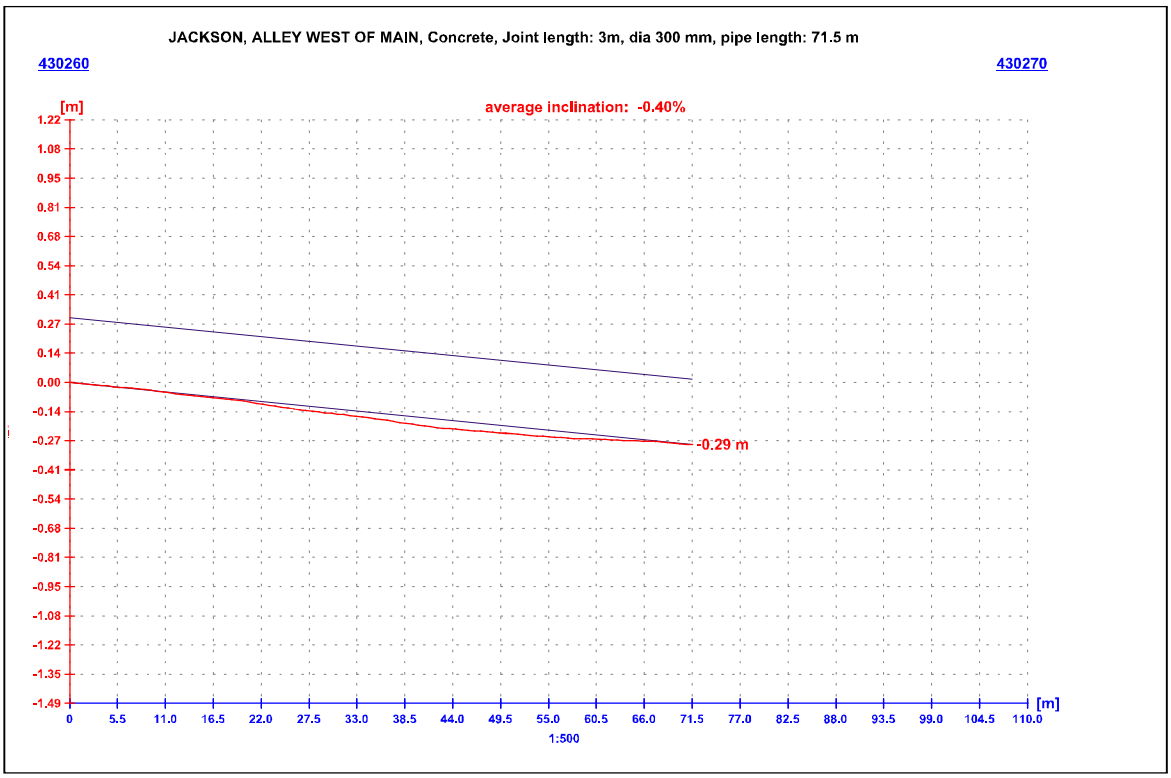
Lining: coating, rehabilitation, wall areas



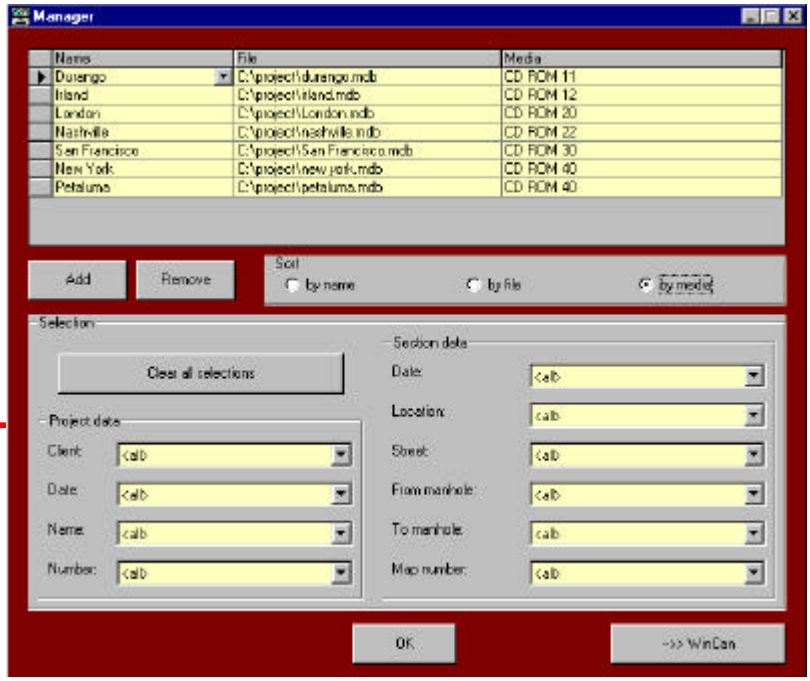
No.	Code	condition	remarks:
1	AAM2	pipe not properly at exit connection, light	
2	SF	sludge filter missing	
3	SEK2	steps are corroded, light	
4	SWK3	manhole walls defective, medium	
5	SGM2	invert defective, light	

No.	in/out	dim.	drop	material	flow from	flow to	condition
1	in - 05 o'clock	250 mm	3.04	Concrete			
2	out - 01 o'clock	250 mm	3.07	Concrete			

Inclination report



Administration Archiving Software Module (option)



This software enables an user to maintain and organize all WinCan projects through a central administration module. Searching through many different WinCan projects, locating a specific manhole number, section id or other information can be done immediately. This module is utilized for automatic storage and location of the project database, as well as fast retrieval of information. This also serves as an interface for WinCan to use DDE and tie in with a geographical information system.

Using the latest Jukebox controls it is possible to store up to 6000 DVD's or CD's. Each Jukebox can be equipped with 4 - 6 DVD/CD players and has a high-speed data transfer rate of 80Mbit/s. This allows many different users on a network to access data at the same time.