

City :



Total Drain Cleaning  
Green Valley  
NSW  
Tel: 0401741684  
Website: www.totaldraincleaning.com.au  
Email: nickmessina@totaldraincleaning.com.au

## ∅ / Main sections

Project name <b>JK WILLIAMS JORDAN SPRINGS</b>	Project Number:	Responsible:	Date: <b>22/08/2013</b>
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No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
1	06/1	06/2	22/08/2013	ROAD 1		Fibre reinforced cement	48.33	48.33
6	01/5	01/6	22/08/2013	ROAD 21		Fibre reinforced cement	33.00	33.00
7	01/4	01/5	22/08/2013	ROAD 21		Fibre reinforced cement	46.83	46.83
8	01/3	01/4	22/08/2013	ROAD 21		Fibre reinforced cement	51.33	51.33
9	03/1	01/6	22/08/2013	ROAD 21		Fibre reinforced cement	9.60	9.60
10	06/3	06/4	23/08/2013	road 1		Fibre reinforced cement	11.65	11.65
11	06/2	06/3	23/08/2013	ROAD 1		Fibre reinforced cement	6.91	6.91
12	06/4	06/5	23/08/2013	ROAD 1		Fibre reinforced cement	21.60	21.60
13	06/5	06/6	23/08/2013	ROAD 1		Fibre reinforced cement	51.50	51.50
14	08/1	08/2	23/08/2013	ROAD 2		Fibre reinforced cement	8.15	8.15
15	08/2	08/3	23/08/2013	ROAD 2		Fibre reinforced cement	40.19	40.19
16	16/1	08/3	23/08/2013	ROAD 2		Fibre reinforced cement	6.84	6.84
17	08/3	06/6	23/08/2013	ROAD 2		Fibre reinforced cement	13.05	13.05
18	05/1	05/2	23/08/2013	ROAD 1		Fibre reinforced cement	46.23	46.23
19	39/1	39/2	23/08/2013	ROAD 2		Fibre reinforced cement	20.49	20.49
20	39/2	39/3	23/08/2013	ROAD 2		Fibre reinforced cement	49.76	49.76
21	39/3	39/4	23/08/2013	ROAD 2		Fibre reinforced cement	5.61	5.61
22	39/4	39/5	23/08/2013	ROAD 2		Fibre reinforced cement	23.65	23.65
23	38/1	39/5	23/08/2013	ROAD 2		Fibre reinforced cement	6.04	6.04
24	39/5	06/8	23/08/2013	ROAD 2		Fibre reinforced cement	12.56	12.56
25	40/1	06/6	23/08/2013	ROAD 1		Fibre reinforced cement	5.71	5.71
26	11/1	06/7	23/08/2013	ROAD 1		Fibre reinforced cement	7.53	7.53
27	17/1	17/2	23/08/2013	ROAD 1		Fibre reinforced cement	20.38	20.38
28	17/2	17/3	23/08/2013	ROAD 1		Fibre reinforced cement	66.67	66.67
29	43/1	17/3	23/08/2013	ROAD 1		Fibre reinforced cement	8.03	8.03
30	17/3	17/4	26/08/2013	ROAD 1		Fibre reinforced cement	49.20	49.20
31	17/4	17/5	26/08/2013	ROAD 1		Fibre reinforced cement	40.89	40.89
32	17/5	18/8	26/08/2013	ROAD 1		Fibre reinforced cement	5.59	5.59
33	17/5	08/15	26/08/2013	ROAD 1		Fibre reinforced cement	20.39	20.39
34	12/1	06/15	26/08/2013	ROAD 1		Fibre reinforced cement	5.12	5.12
35	13/2	13/3	26/08/2013	ROAD 3		Fibre reinforced cement	12.41	12.41
36	13/1	13/2	26/08/2013	ROAD 1		Fibre reinforced cement	7.67	7.67
37	13/3	13/4	26/08/2013	ROAD 3		Fibre reinforced cement	22.94	22.94
38	13/4	13/5	26/08/2013	ROAD 3		Fibre reinforced cement	37.38	37.38
39	13/5	13/6	26/08/2013	ROAD 3		Fibre reinforced cement	43.92	43.92
40	14/1	13/5	26/08/2013	ROAD 3		Fibre reinforced cement	8.44	8.44
41	13/6	13/7	26/08/2013	ROAD 3		Fibre reinforced cement	6.67	6.67
42	15/1	13/8	26/08/2013	ROAD 3		Fibre reinforced cement	6.25	6.25
43	01/1	01/2	26/08/2013	ROAD 1		Fibre reinforced cement	11.66	11.66
44	01/2	01/3	26/08/2013	ROAD 1		Fibre reinforced cement	17.70	17.70

Pipe size: CIRCULAR 375 = 917.87 m (917.87 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
45	05/5	200/2	22/08/2013	ROAD 1		Fibre reinforced cement	15.35	15.35
46	05/4	05/5	22/08/2013	ROAD 1		Fibre reinforced cement	6.05	6.05
47	05/3	05/4	22/08/2013	ROAD 1		Fibre reinforced cement	33.30	33.30
48	05/2	05/3	22/08/2013	ROAD 1		Fibre reinforced cement	39.00	39.00
49	13/7	13/8	26/08/2013	ROAD 3		Fibre reinforced cement	54.82	54.82
50	01/6	01/7	26/08/2013	ROAD 21		Fibre reinforced cement	29.20	29.19

Pipe size: CIRCULAR 450 = 177.72 m (177.71 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
51	06/6	06/7	23/08/2013	ROAD 1		Fibre reinforced cement	38.83	38.83



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Project name <b>JK WILLIAMS JORDAN SPRINGS</b>	Project Number:	Responsible	Date: <b>22/08/2013</b>
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No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
55	13/8	06/13	26/08/2013	ROAD 3		Fibre reinforced cement	11.88	11.87

Pipe size: CIRCULAR 525 = 50.71 m (50.7 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
28	06/7	06/8	23/08/2013	ROAD 1		Concrete pipe	26.55	26.55
36	18/4	18/3	26/08/2013	ROAD 4		Fibre reinforced cement	1.73	1.73
58	06/8	06/9	26/08/2013	ROAD 1		Fibre reinforced cement	9.77	9.77

Pipe size: CIRCULAR 600 = 38.05 m (38.05 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
59	06/9	06/10	26/08/2013	ROAD 1		Fibre reinforced cement	22.32	22.32

Pipe size: CIRCULAR 675 = 22.32 m (22.32 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
34	18/4	18/5	26/08/2013	ROAD 4		Fibre reinforced cement	6.00	6.00
35	18/5	C/2	26/08/2013	ROAD 4		Fibre reinforced cement	12.31	12.31
36	18/5	18/5	26/08/2013	ROAD 1		Fibre reinforced cement	10.26	10.26
37	18/6	18/5	26/08/2013	ROAD 1		Fibre reinforced cement	21.14	21.14
38	18/6	18/7	26/08/2013	ROAD 1		Fibre reinforced cement	34.63	34.63
39	18/7	18/8	26/08/2013	ROAD 1		Fibre reinforced cement	14.22	14.22
40	18/8	18/9	26/08/2013	ROAD 1		Fibre reinforced cement	25.24	25.24
46	06/12	06/13	26/08/2013	ROAD 1		Fibre reinforced cement	8.45	8.45
57	06/11	06/12	26/08/2013	ROAD 1		Fibre reinforced cement	36.02	36.02
60	06/10	06/11	26/08/2013	ROAD 1		Fibre reinforced cement	36.02	36.02

Pipe size: CIRCULAR 750 = 168.27 m (168.27 m)

No.	Start MH	End MH	Date	Location/Street	Tape No.	Material	m	(m)
44	06/14	06/15	26/08/2013	ROAD 1		Concrete pipe	8.34	8.34
45	06/13	06/14	26/08/2013	ROAD 1		Concrete pipe	34.35	34.35

Pipe size: CIRCULAR 825 = 42.69 m (42.69 m)

All sections = 1417.63 m (1417.61 m)



## Inspection summary

Project Name: <b>JK WILLIAMS JORDAN SPRINGS</b>	Project number:	Date: <b>22/08/2013</b>	Contact:
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Please find per enclosure the inspection report

Total Length of sewer network	_____	<b>1417.63 m</b>
Inspected Length of sewer network	_____	<b>1417.61 m</b>
Not inspected Length of sewer network	_____	<b>0.02 m</b>
Total Length of house connections (satellite)	_____	<b>0.00 m</b>
Inspected Length of house connections (satellite)	_____	<b>0.00 m</b>
Not inspected Length of house connections (satellite)	_____	<b>0.00 m</b>
Number of Sections	_____	<b>63</b>
Number of house connections	_____	<b>0</b>
Number of Photos	_____	<b>0</b>



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
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 mickmessina@totaldraincleaning.com.au

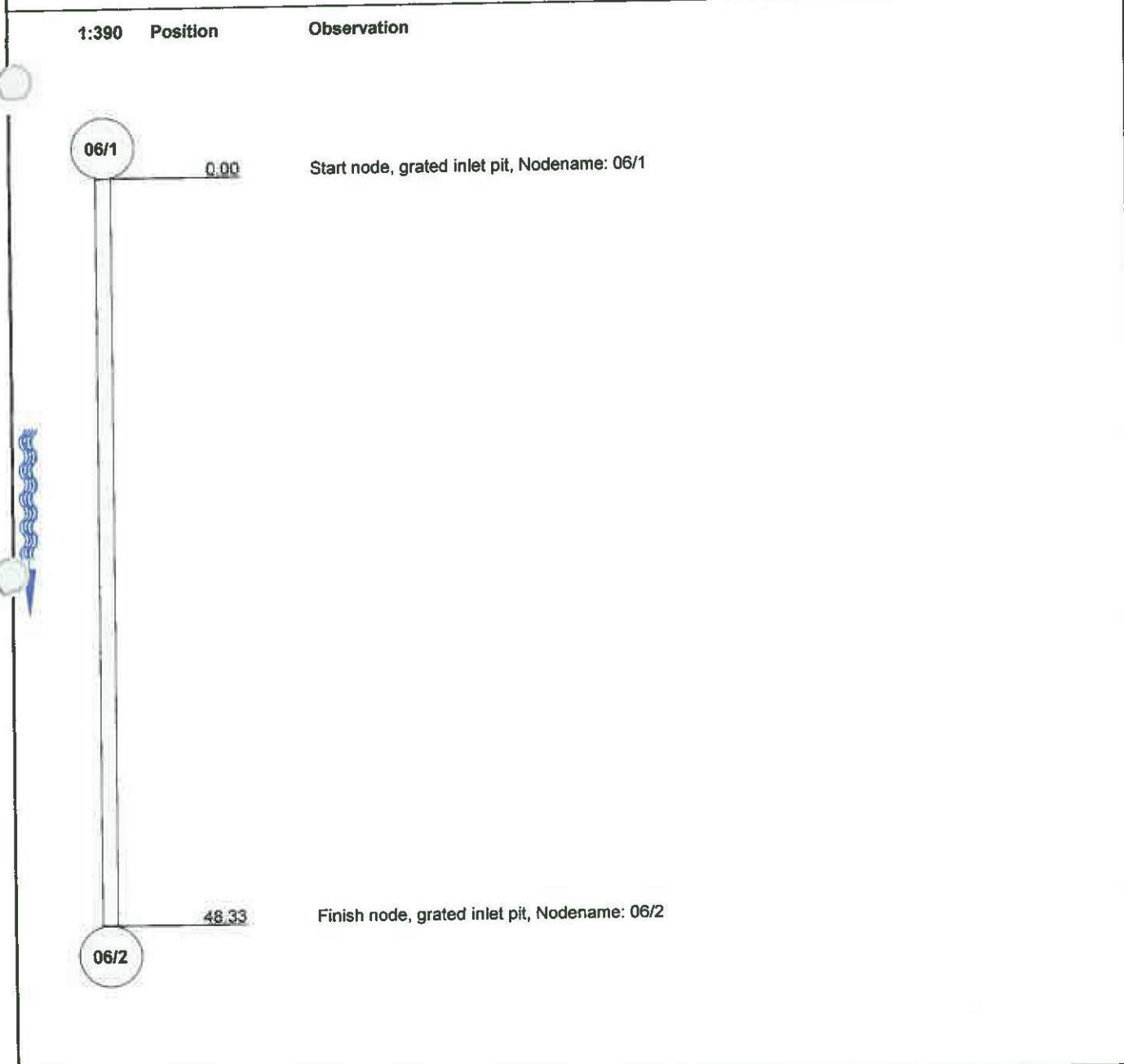
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 1	Pipe Asset Id: 06/1 TO 06/2
Time of inspection: 13:27:43	Cleaning: cleaned	Standard:	LRP	Conduit Unit Length	Method of Inspection

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	06/1 downstream 06/2 48.33 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1





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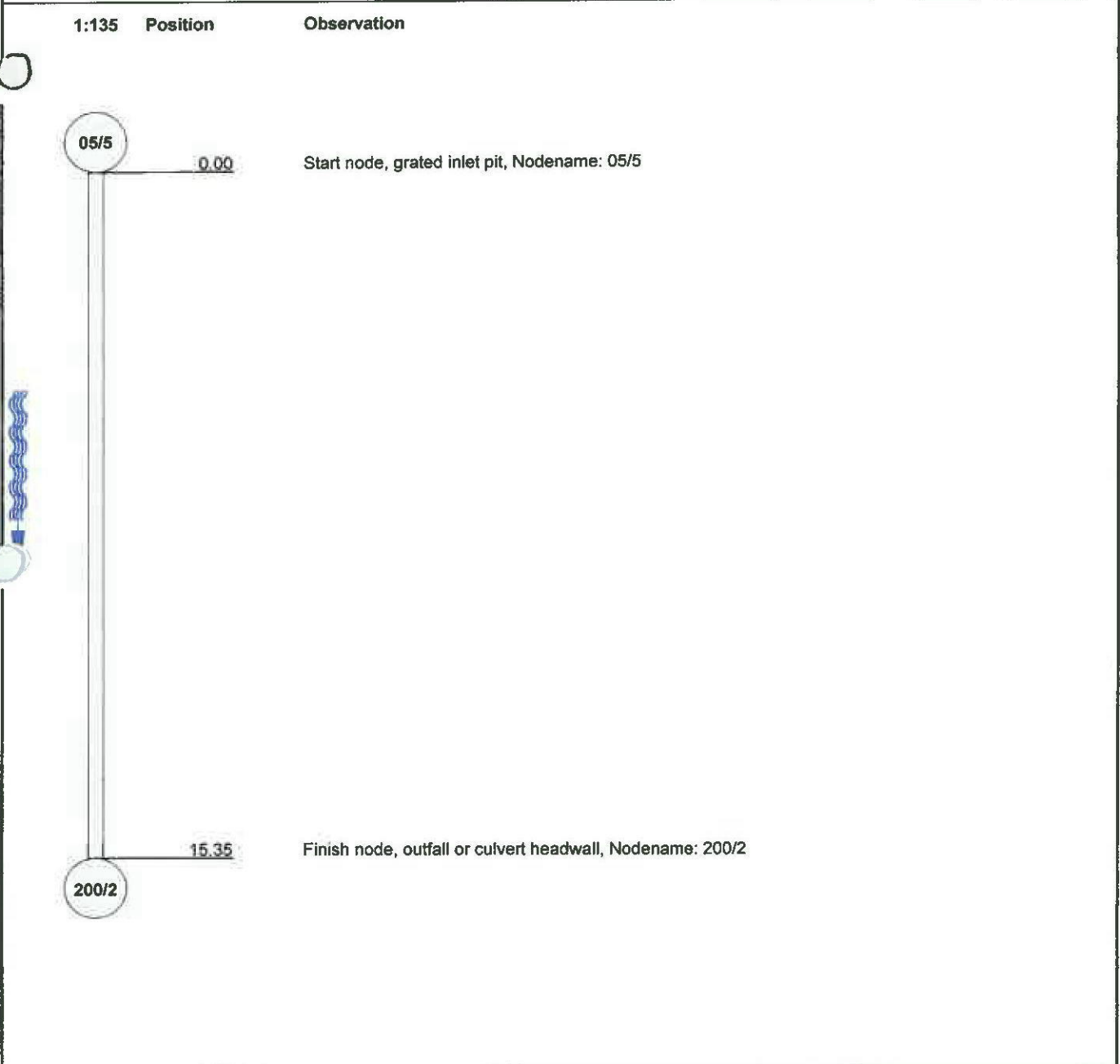
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 2	Pipe Asset Id: 05/5 TO 200/2
Time of inspection: 13:48:15	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 1 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation: Flow control: No measures	US MH: 05/5 Survey Dir: downstream DS MH: 200/2 Inspect Length: 15.35 m
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Purpose of inspection : New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 450 mm Lining: Pipe Material: Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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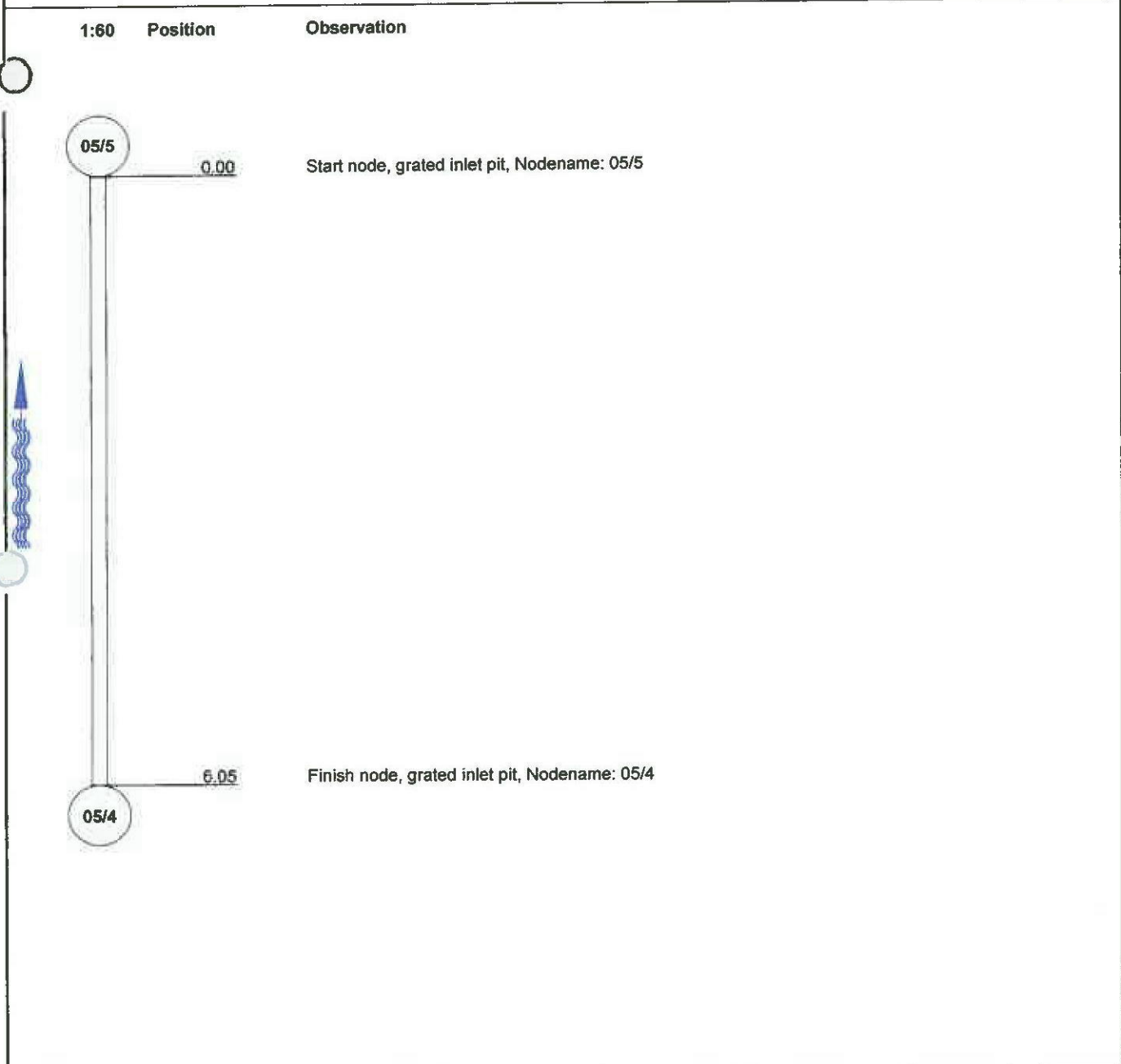
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 3	Pipe Asset Id: 05/5 to 05/4
Time of inspection: 13:57:09	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 1 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 05/4 Survey Dir: upstream DS MH: 05/5 Inspect Length: 6.05 m
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Purpose of inspection : New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 450 mm Lining: Pipe Material: Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1





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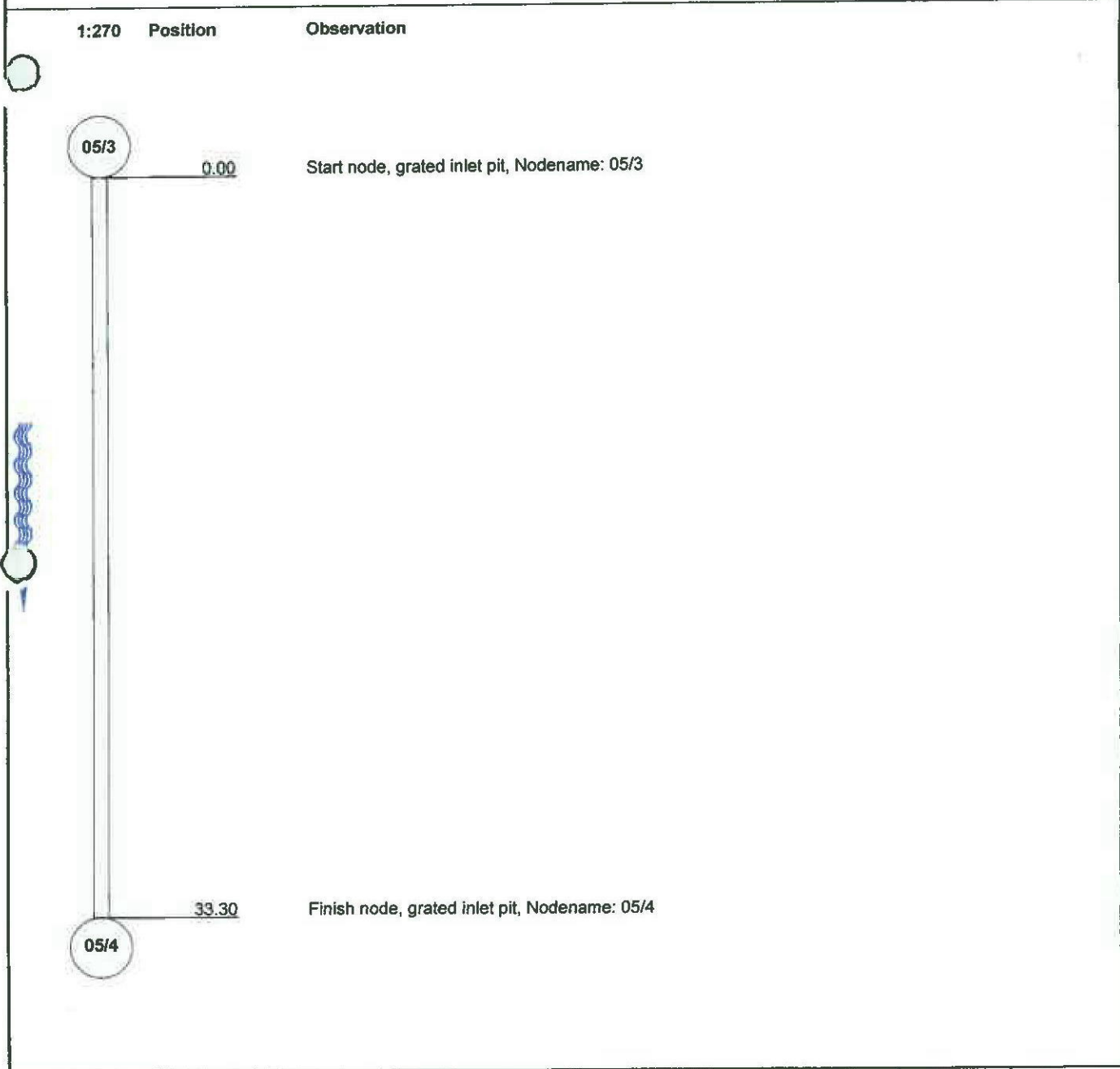
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 4	Pipe Asset Id: 05/3 TO 05/4
Time of inspection: 14:08:55	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town:	Catchment:	US MH:
Suburb: JORDAN SPRINGS	Asset Owner: JK WILLIAMS	05/3
Street: ROAD 1	Precipitation.:	Survey Dir: downstream
Asset Location	Flow control: No measures	DS MH: 05/4
		Inspect Length: 33.30 m

Purpose of inspection: New Construction	Shape: Circular
Use of Conduit: Drain	Dia/Height: 450 mm
Type of Conduit: Storm water drain	Lining:
Lining Method:	Pipe Material: Fibre reinforced cement

Remarks :



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	1	0	0	0	0	1



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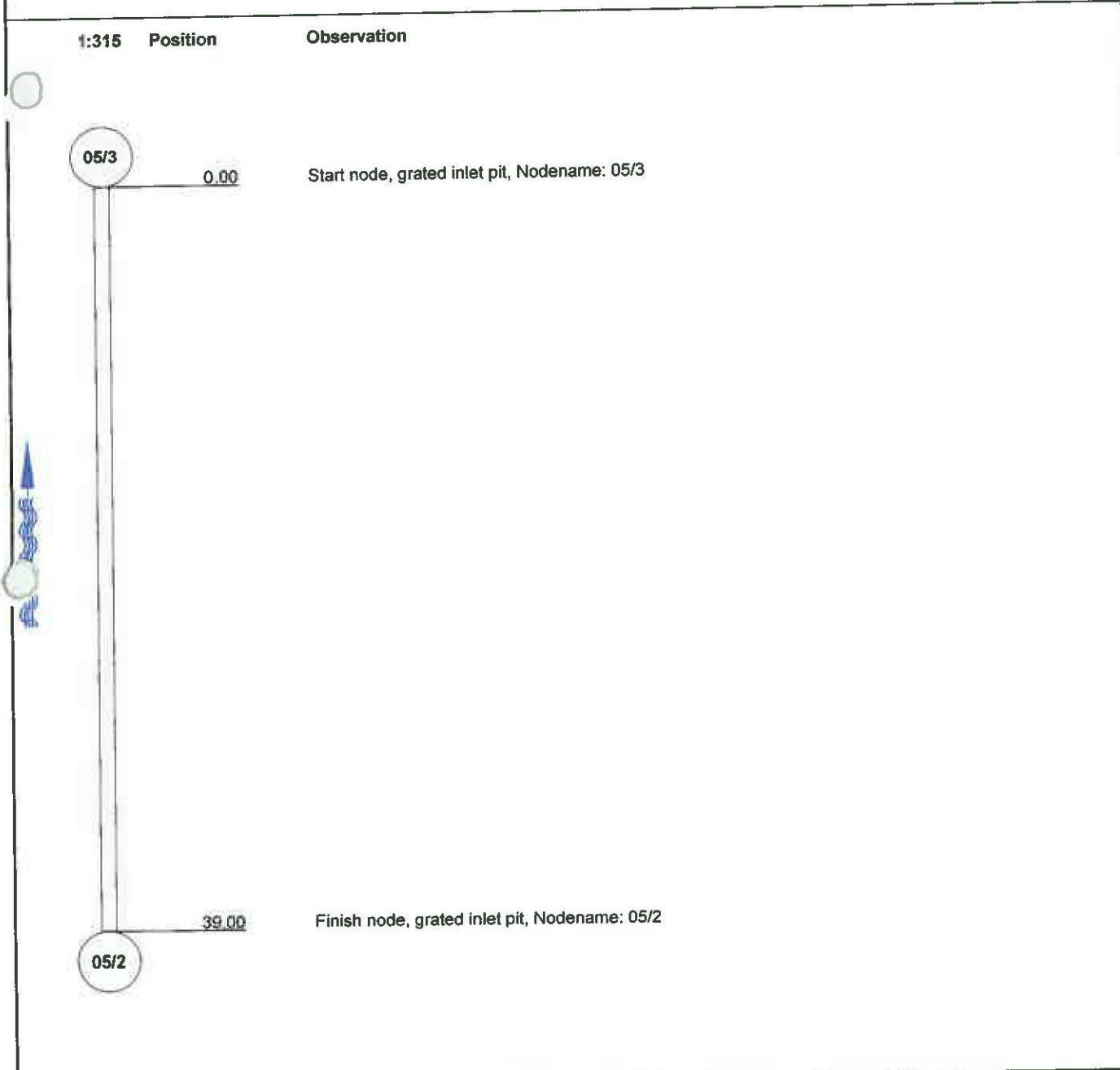
## WSA assessment

Date: <b>22/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>5</b>	Pipe Asset Id: <b>05/3 TO 05/2</b>
Time of inspection: <b>14:15:55</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>05/2</b> Survey Dir: <b>upstream</b> DS MH: <b>05/3</b> Inspect Length: <b>39.00 m</b>
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Purpose of inspection: <b>New Construction</b>	Shape: <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>450 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1





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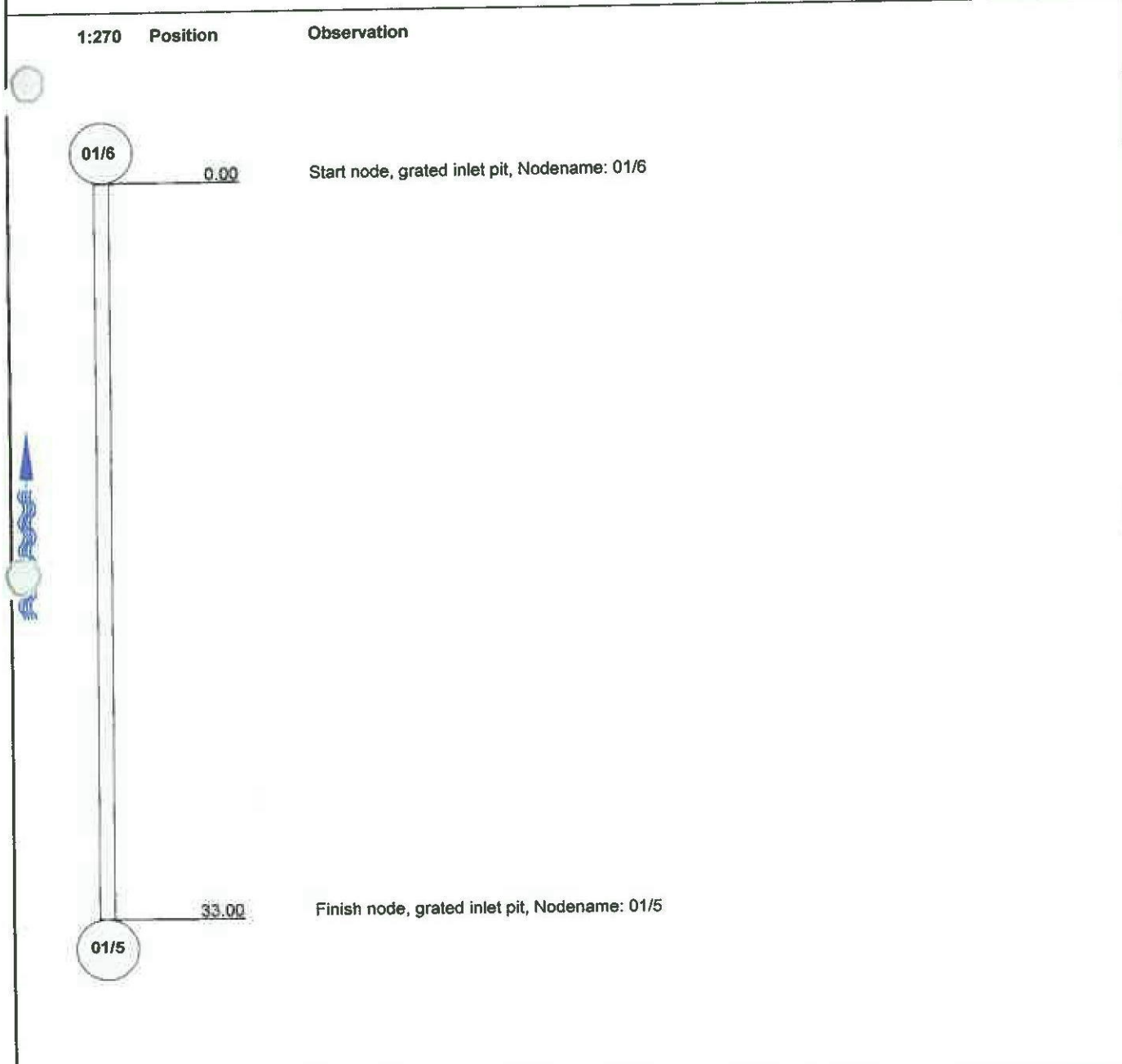
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 6	Pipe Asset Id: 01/6 TO 01/5
Time of inspection: 14:42:49	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 21	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	01/5 upstream 01/6 33.00 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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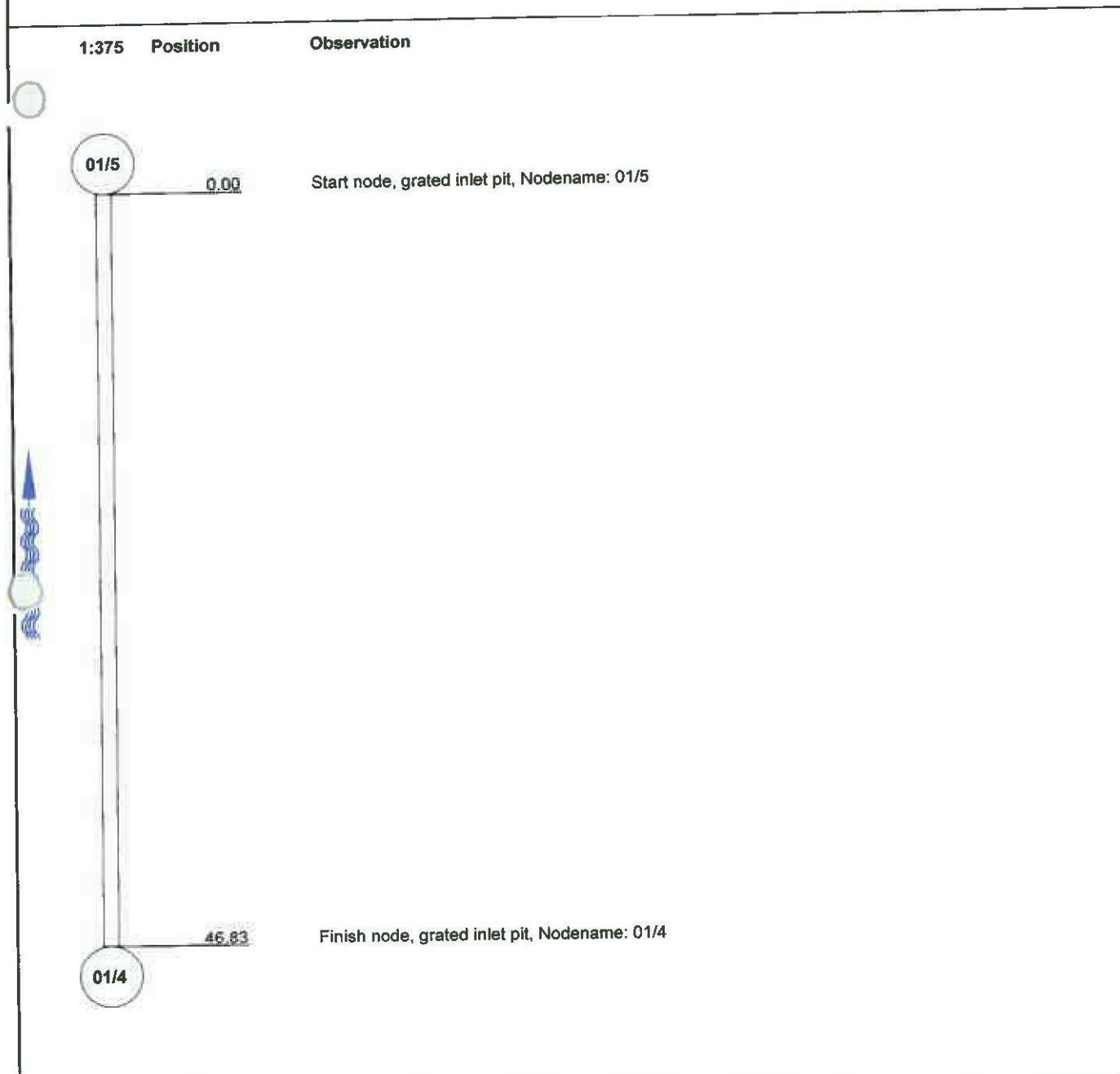
## WSA assessment

Date: <b>22/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>7</b>	Pipe Asset Id. <b>01/5 TO 01 /4</b>
Time of inspection: <b>14:47:11</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 21</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control <b>No measures</b>	US MH: <b>01/4</b> Survey Dir: <b>upstream</b> DS MH: <b>01/5</b> Inspect Length : <b>46.83 m</b>
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Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>375 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
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Remarks :



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	1	0	0	0	0	1





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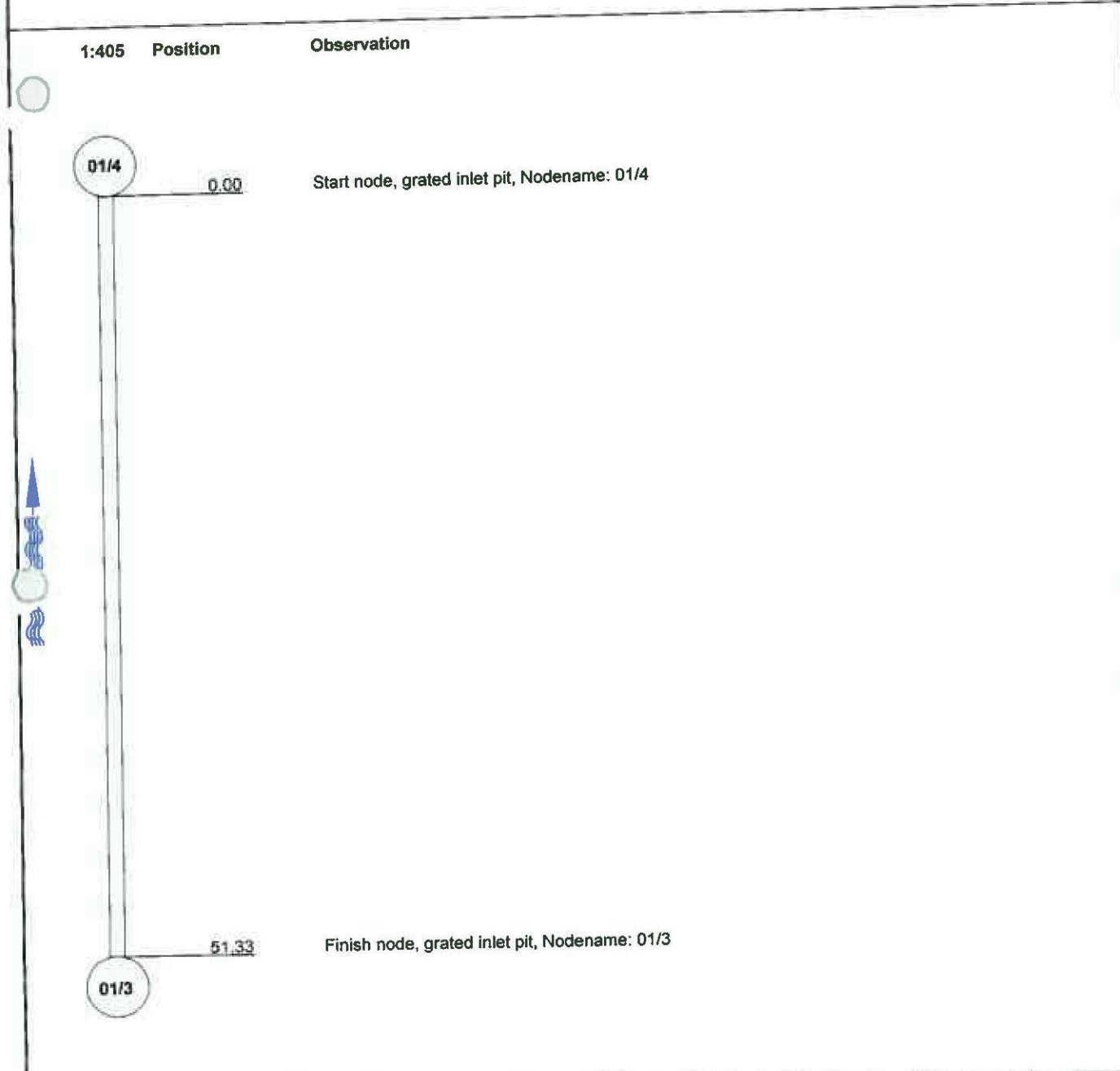
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 8	Pipe Asset Id: 01/4 TO 01/3
Time of inspection: 14:52:48	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 21	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	01/3 upstream 01/4 51.33 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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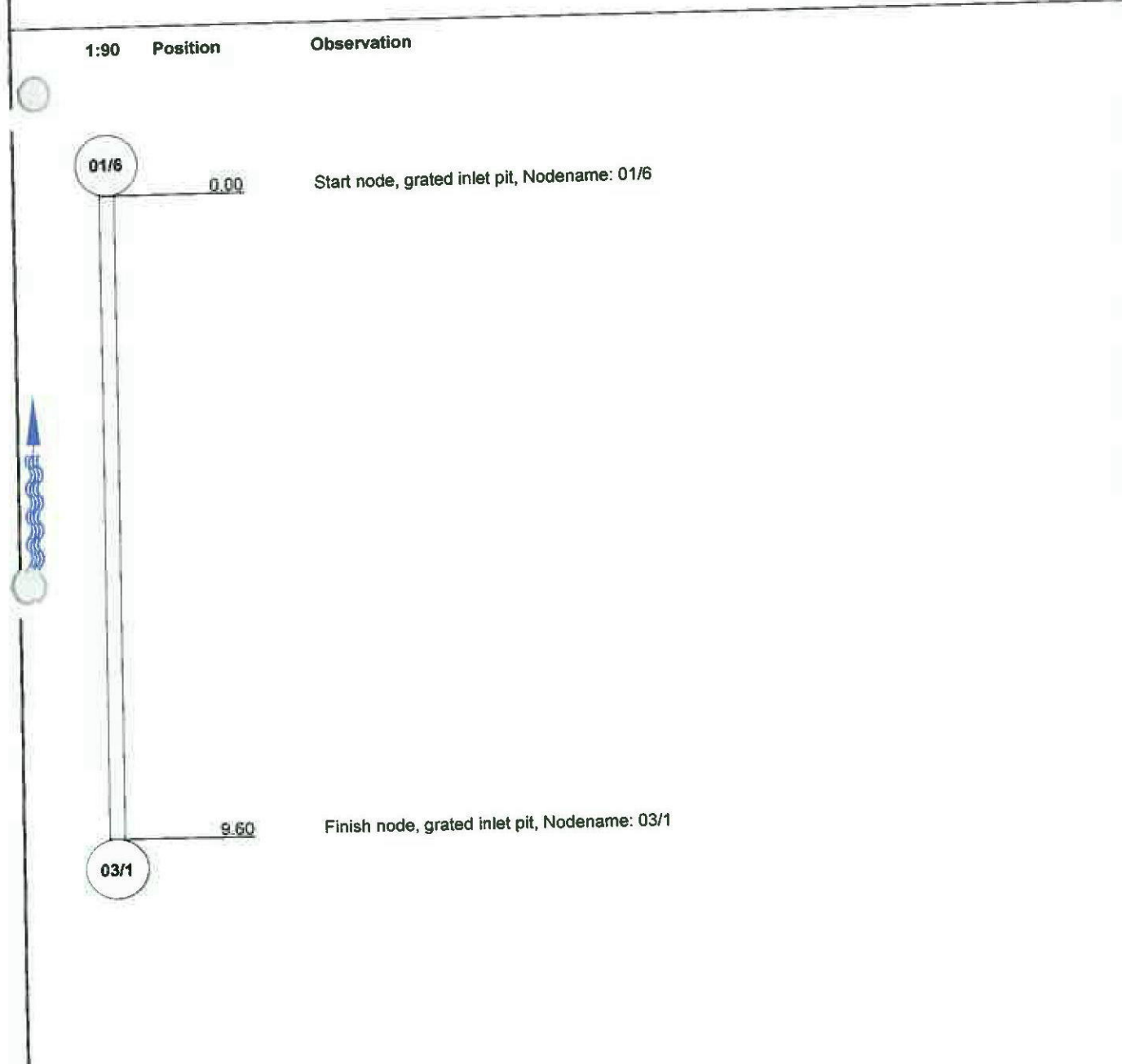
### WSA assessment

Date: 22/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 9	Pipe Asset Id: 03/1 TO 01/6
Time of inspection: 15:24:09	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 21 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 03/1 Survey Dir: upstream DS MH: 01/6 Inspect Length: 9.60 m
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Purpose of inspection : New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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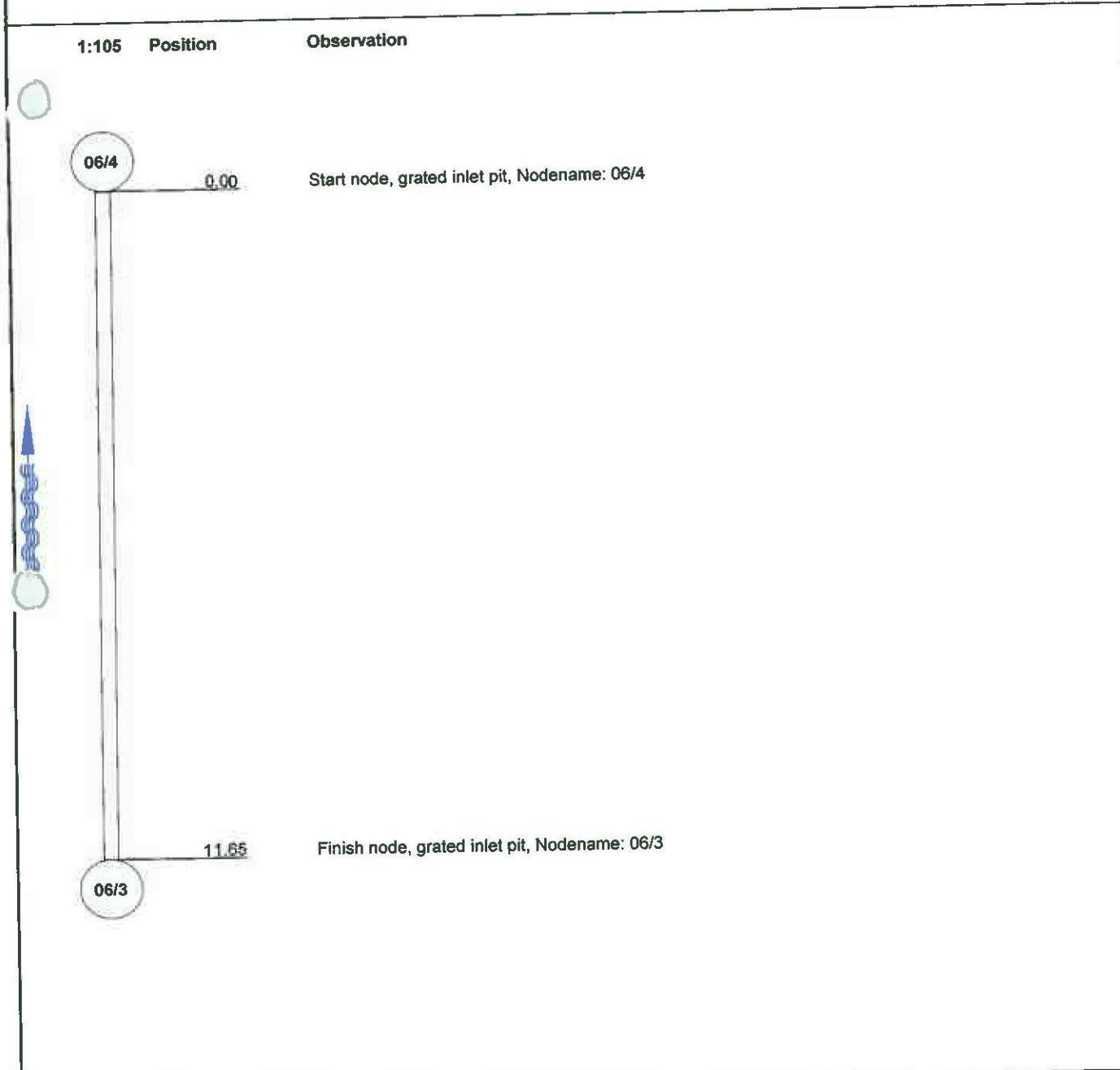
### WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>10</b>	Pipe Asset Id: <b>06/4 to 06/3</b>
Time of inspection: <b>06:51:32</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>road 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>06/3</b> Survey Dir: <b>upstream</b> DS MH: <b>06/4</b> Inspect Length : <b>11.65 m</b>
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Purpose of inspection: <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1





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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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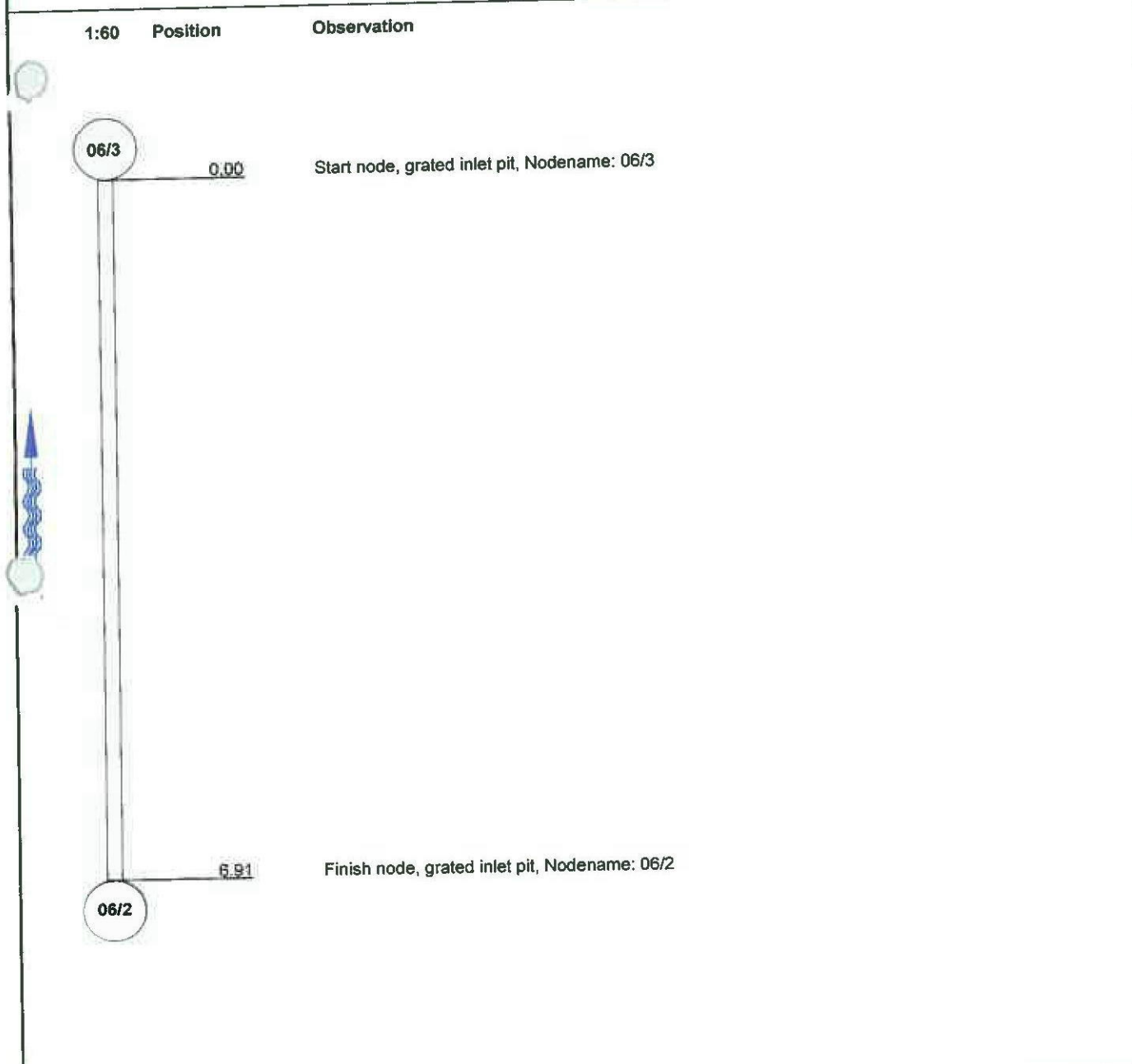
## WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>11</b>	Pipe Asset id: <b>06/3 TO 06/2</b>
Time of inspection: 06:56:04	Cleaning: cleaned	Standard: <b>WSA 05-2008 2.2</b>	LRP Ins	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control <b>No measures</b>	US MH: <b>06/2</b> Survey Dir: <b>upstream</b> DS MH: <b>06/3</b> Inspect Length: <b>6.91 m</b>
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Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>375 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
--	--

Remarks :



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	1	0	0	0	0	1



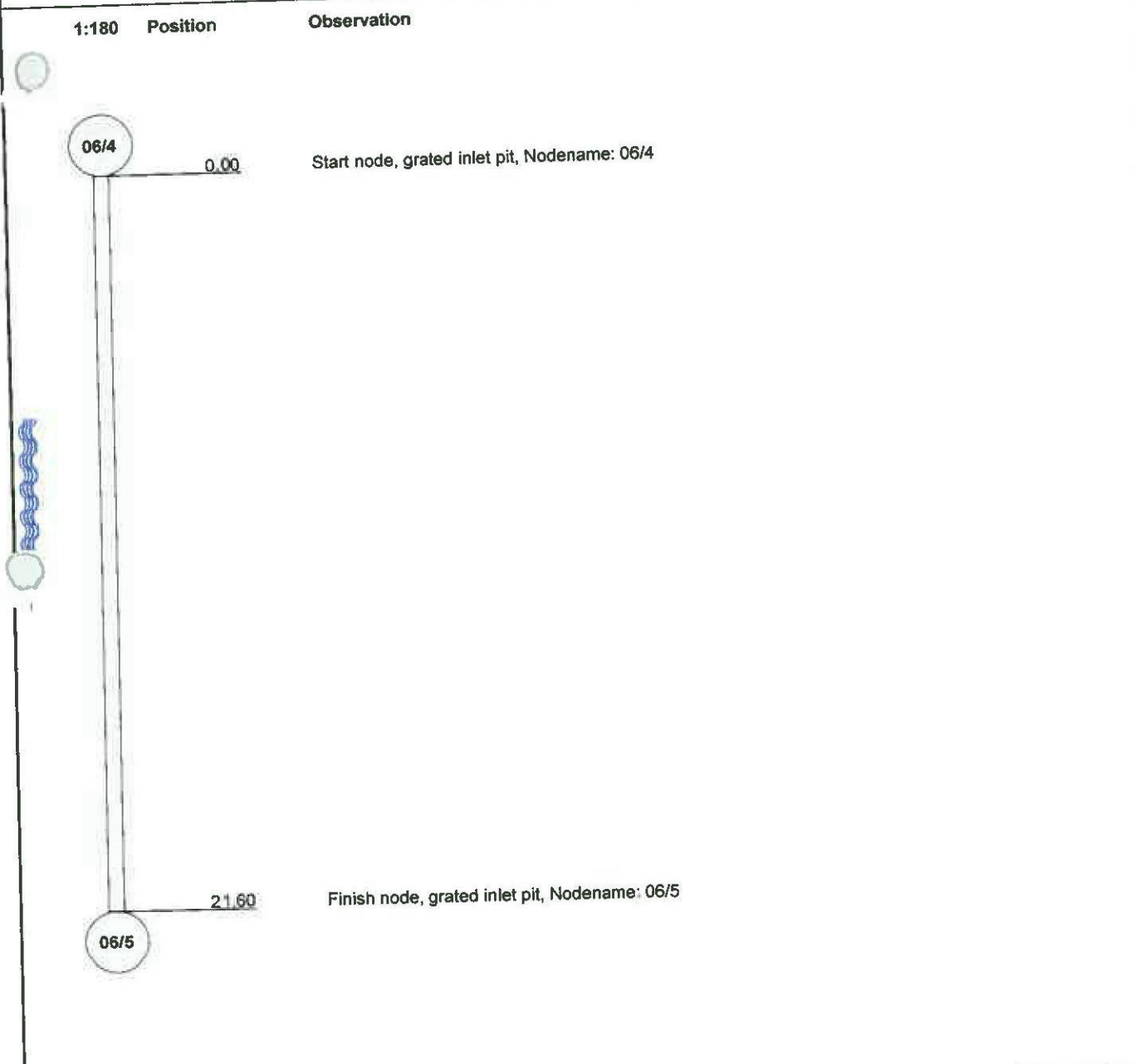
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 12	Pipe Asset Id. 06/4 TO 06/5
Time of inspection: 07:01:47	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 1 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 06/4 Survey Dir: downstream DS MH: 06/5 Inspect Length: 21.60 m
Purpose of inspection: New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape: Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement	

Remarks :



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	1	0	0	0	0	1



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 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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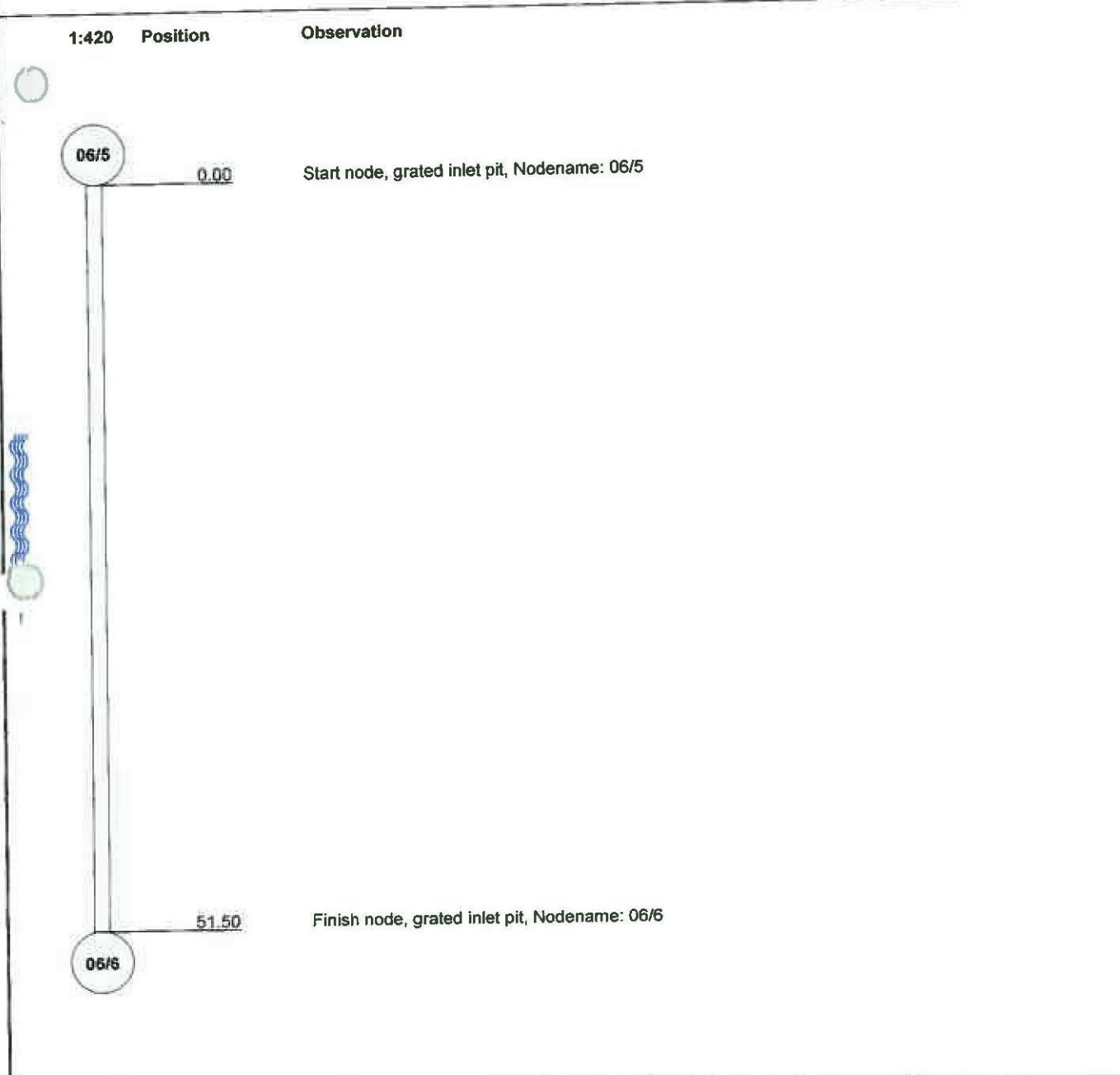
### WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>13</b>	Pipe Asset Id: <b>06/5 TO 06/6</b>
Time of inspection: <b>07:04:57</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control <b>No measures</b>	US MH: <b>06/5</b> Survey Dir: <b>downstream</b> DS MH: <b>06/6</b> Inspect Length : <b>51.50 m</b>
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Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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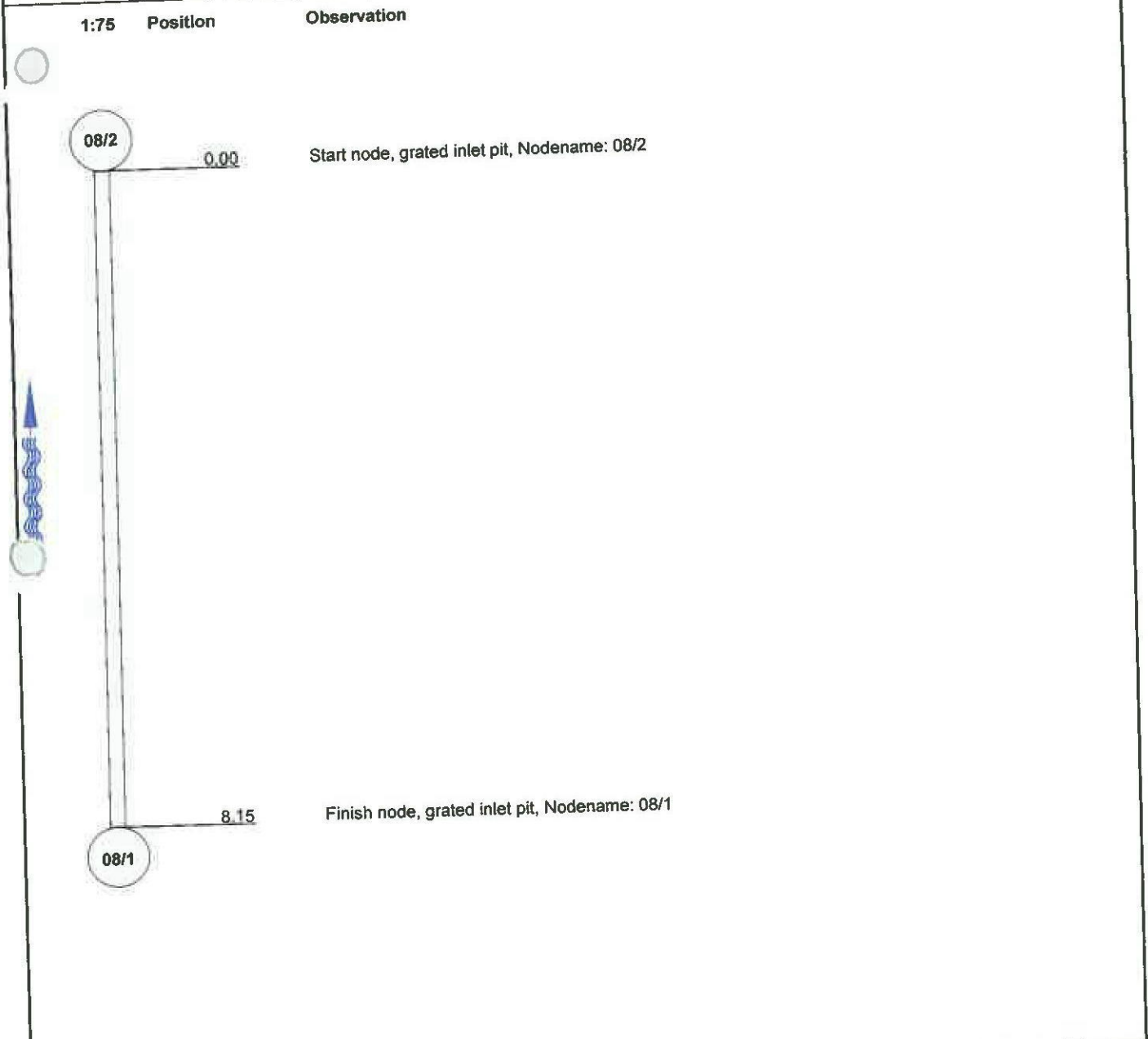
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 14	Pipe Asset id: 08/2 TO 08/1
Time of inspection: 07:24:22	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 2 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 08/1 Survey Dir: upstream DS MH: 08/2 Inspect Length : 8.15 m
Purpose of inspection : New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement	

Remarks :



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	1	0	0	0	0	1



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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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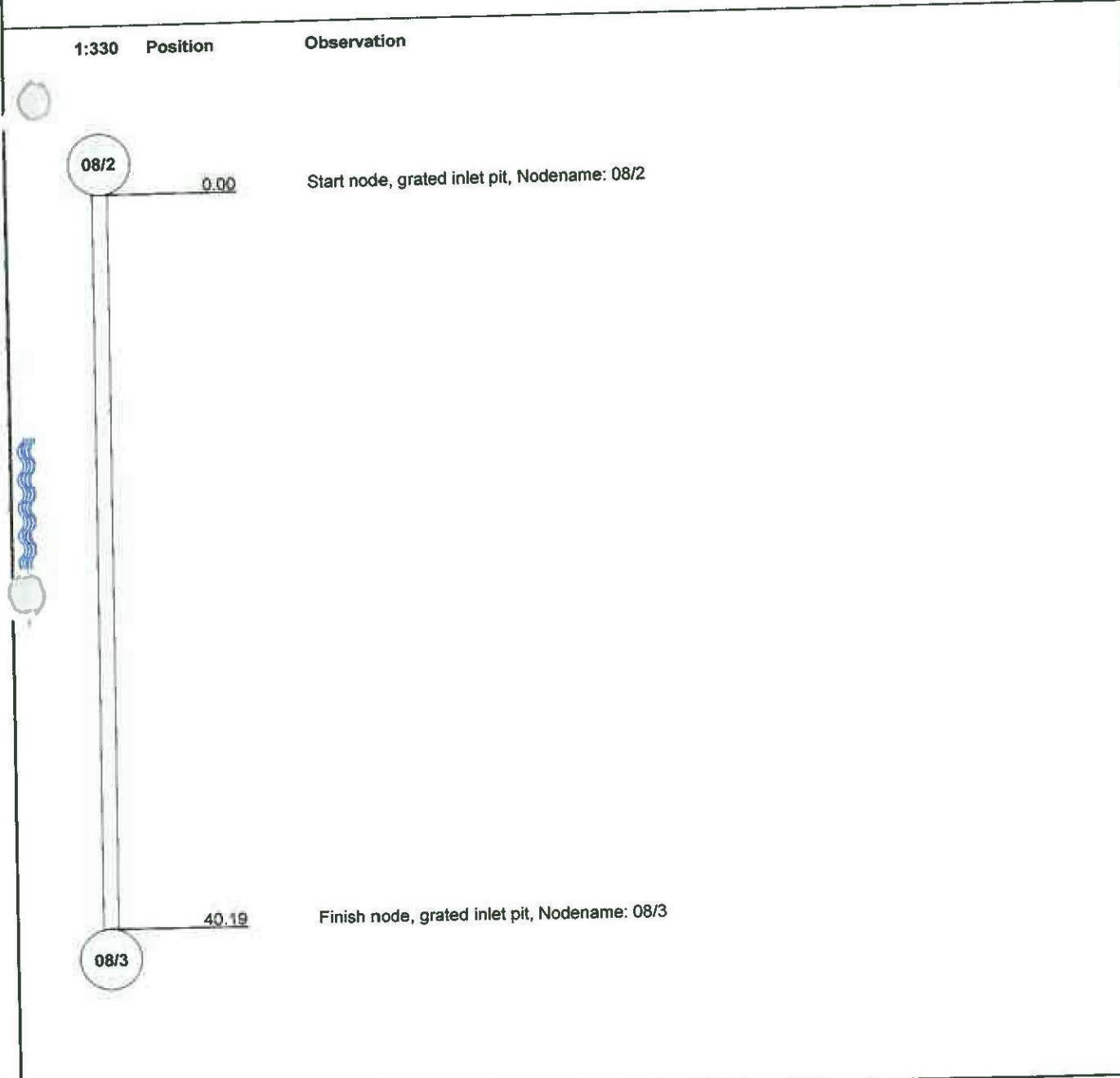
### WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>15</b>	Pipe Asset Id: <b>08/2 TO 08/3</b>
Time of inspection: <b>07:28:35</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 2</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control <b>No measures</b>	US MH: <b>08/2</b> Survey Dir: <b>downstream</b> DS MH: <b>08/3</b> Inspect Length : <b>40.19 m</b>
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Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>375 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
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Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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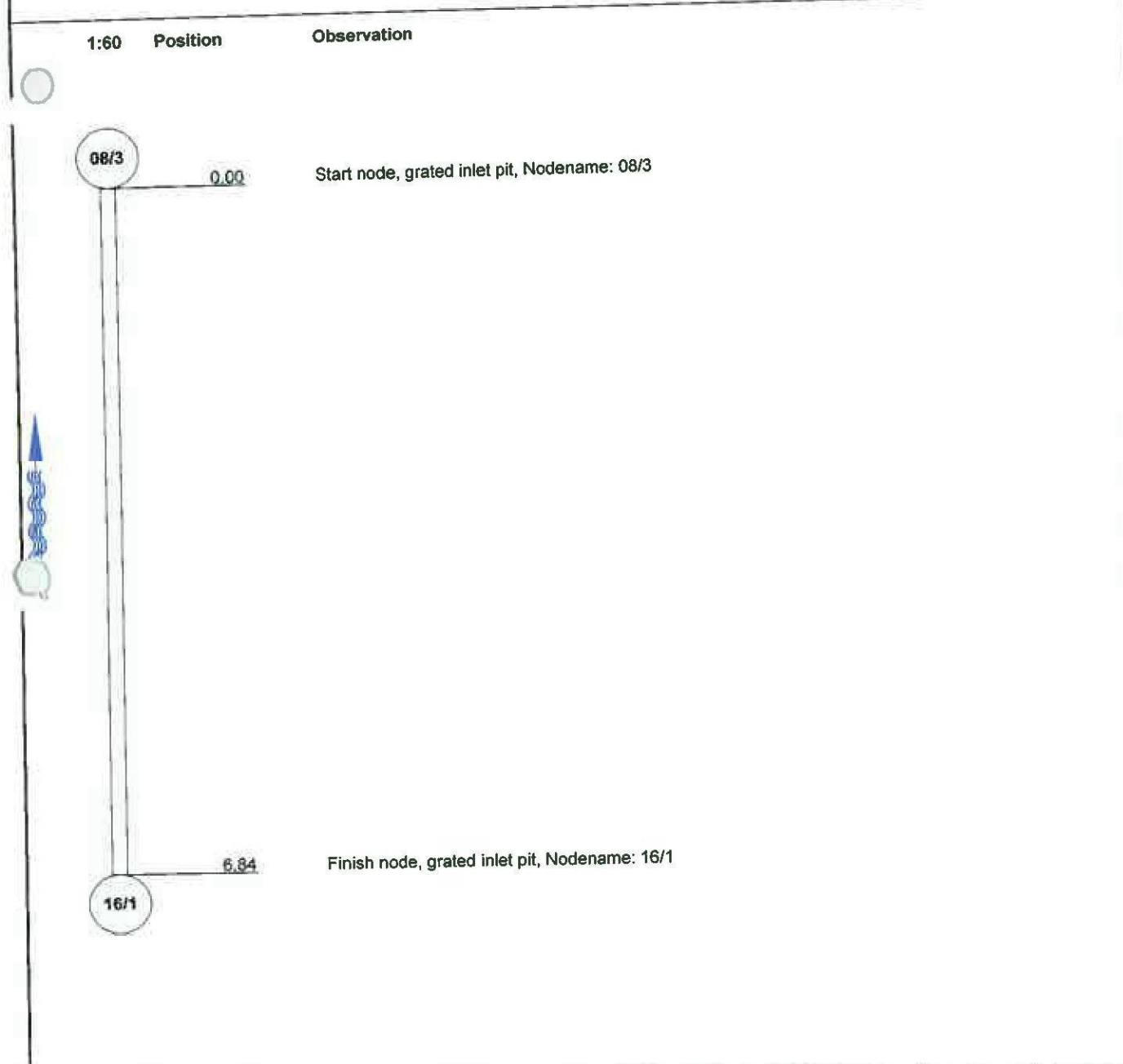
### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 16	Pipe Asset Id: 08/3 TO 16/1
Time of inspection: 07:41:21	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 2	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	16/1 upstream 08/3 6.84 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1





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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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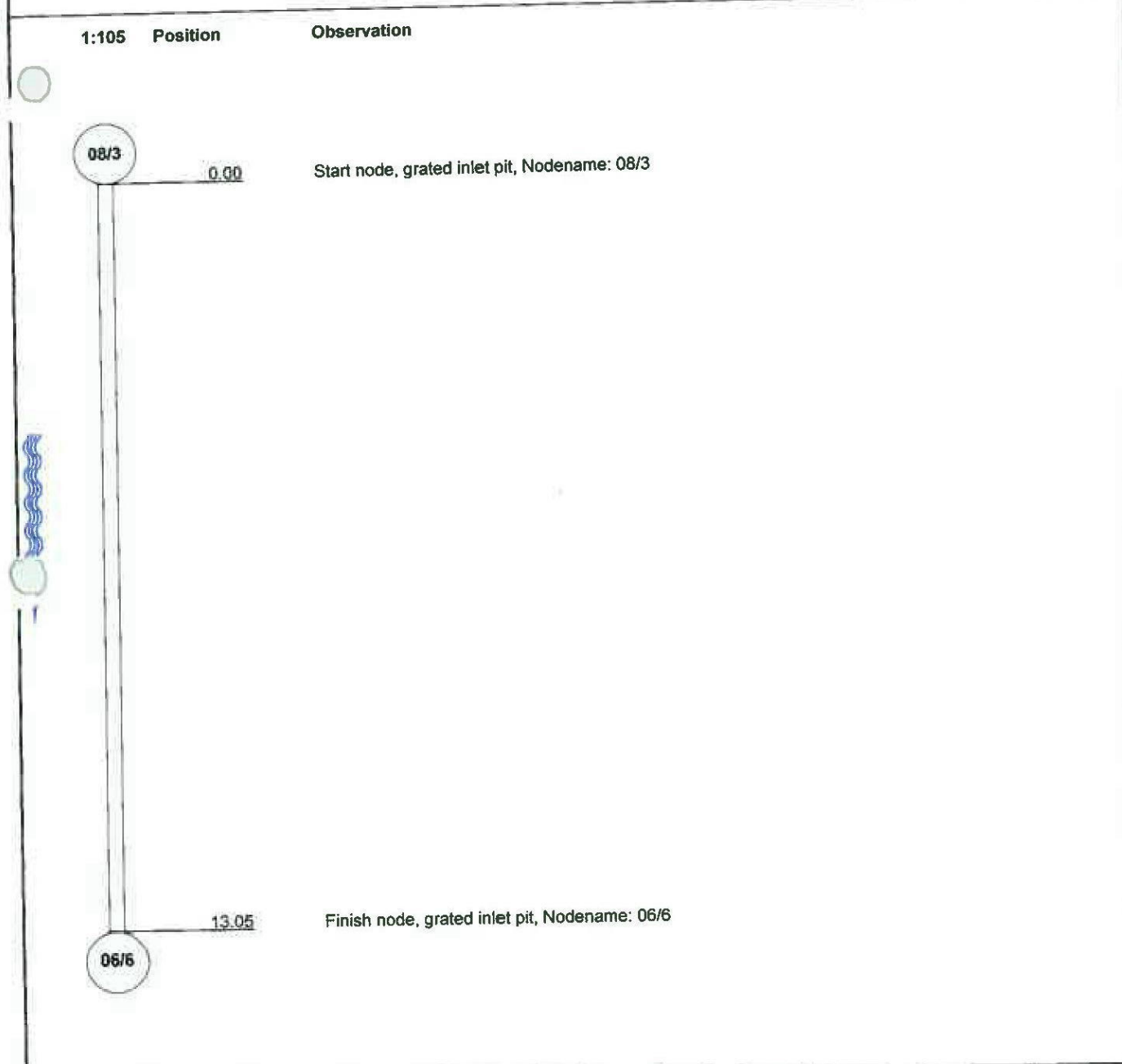
### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 17	Pipe Asset Id: 08/3 TO 06/6
Time of inspection: 07:44:41	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 2	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	08/3 downstream 06/6 13.05 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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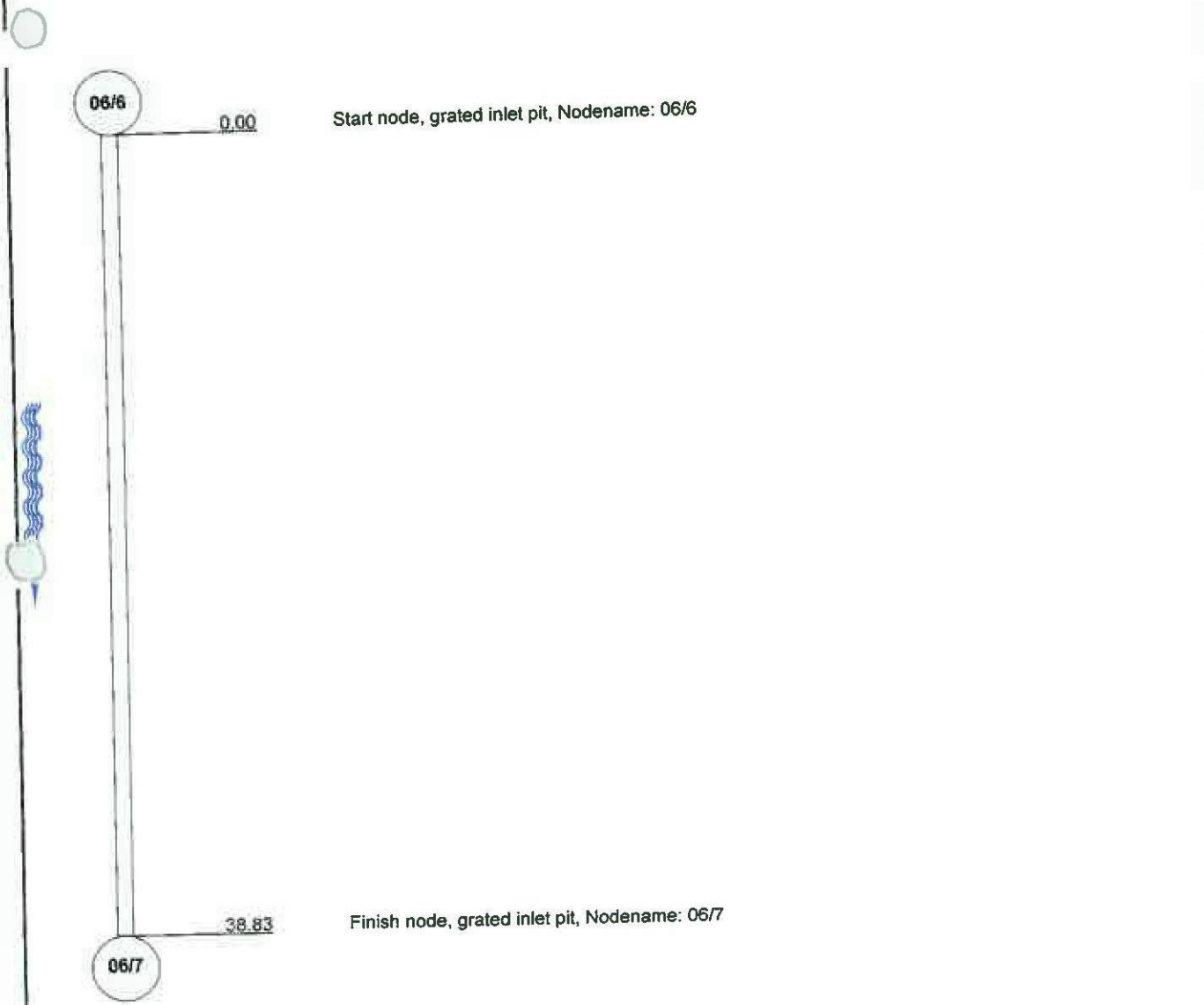
## WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>18</b>	Pipe Asset Id: <b>06/6 TO 06/7</b>
Time of inspection: <b>08:01:52</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>06/6</b> Survey Dir: <b>downstream</b> DS MH: <b>06/7</b> Inspect Length: <b>38.83 m</b>
Purpose of inspection: <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape: <b>Circular</b> Dia/Height: <b>525 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>	

Remarks :

**1:315 Position Observation**



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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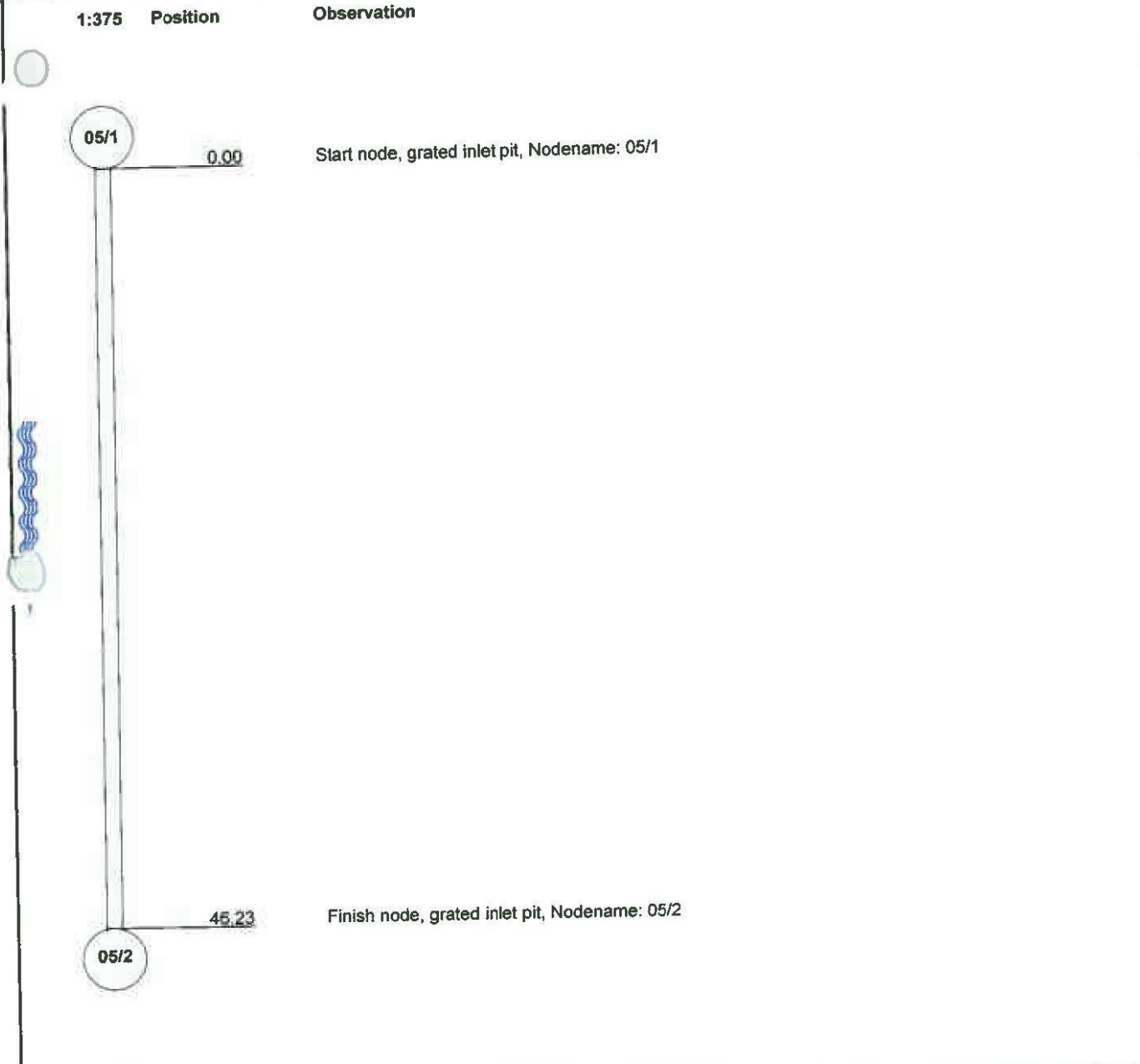
### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 19	Pipe Asset Id: 05/1 TO 05/2
Time of inspection: 08:33:32	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 1 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 05/1 Survey Dir: downstream DS MH: 05/2 Inspect Length: 46.23 m
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Purpose of inspection: New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape: Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement
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Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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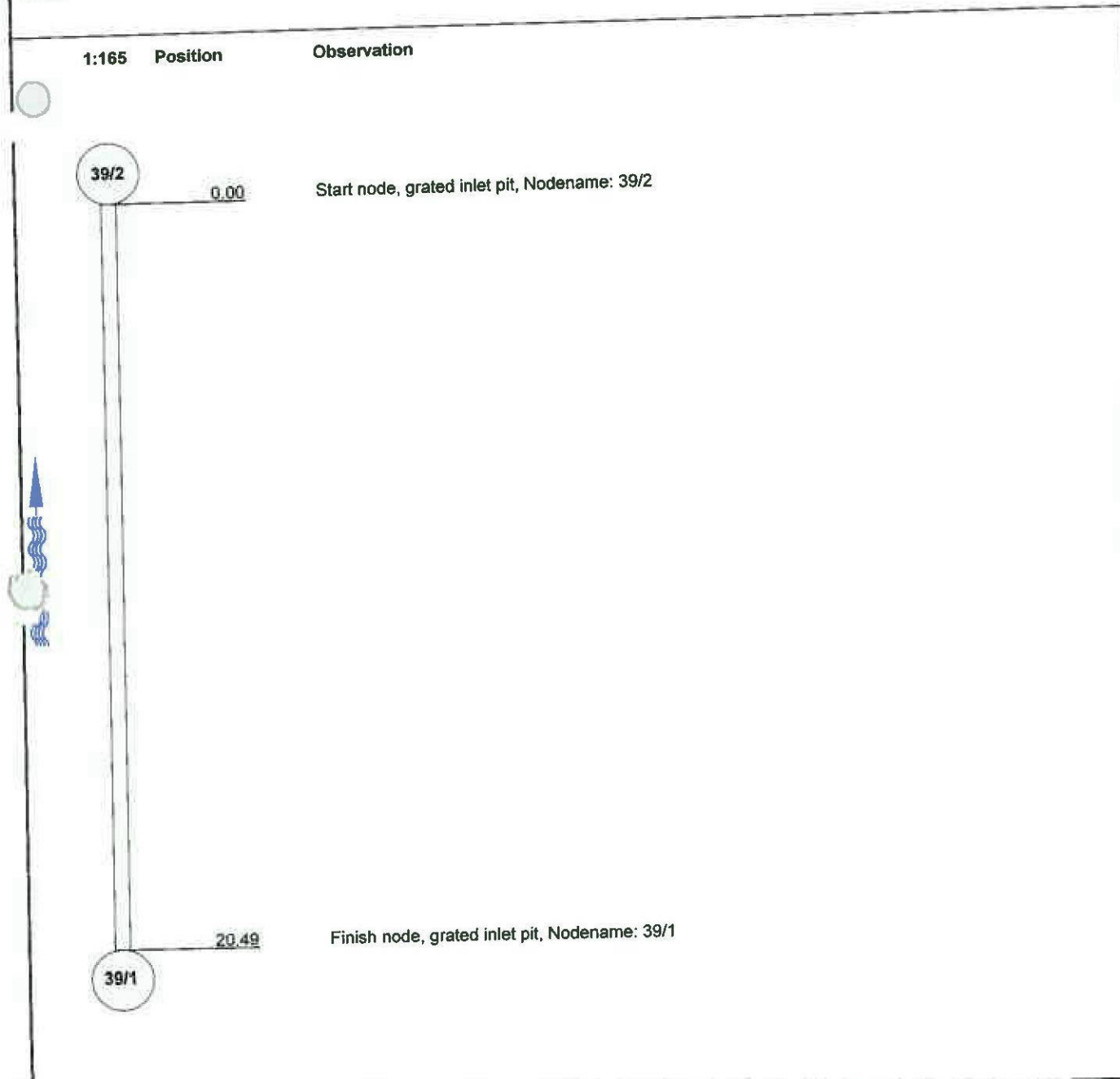
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 Tel. 02 9620 1981 Fax. 02 9620 1987  
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number 20	Pipe Asset Id: 39/1 TO 39/2
Time of inspection: 08:51:42	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 2 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation: Flow control: No measures	US MH: 39/1 Survey Dir: upstream DS MH: 39/2 Inspect Length: 20.49 m
Purpose of inspection: New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape: Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement	

Remarks :



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	1	0	0	0	0	1



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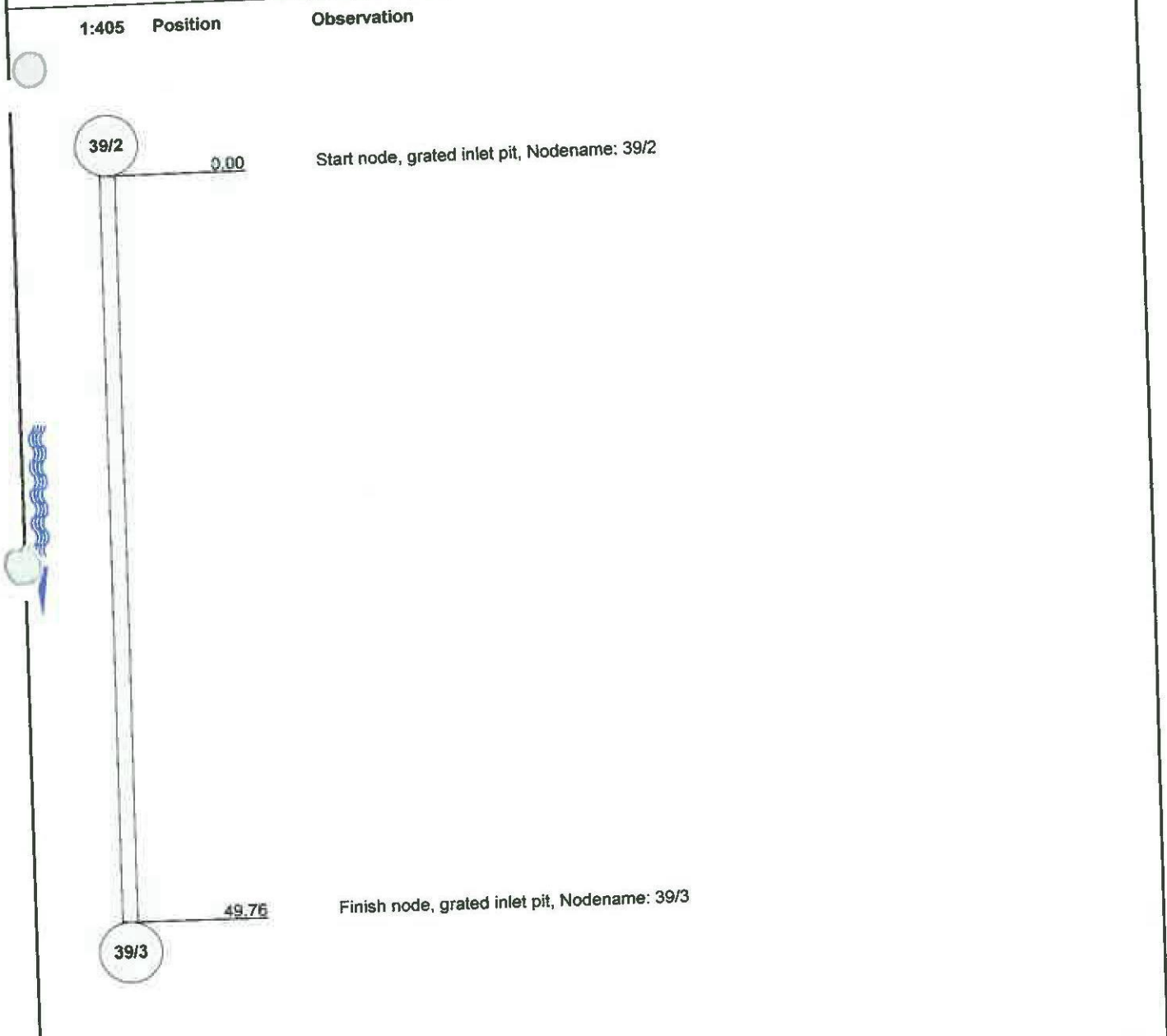
## WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>21</b>	Pipe Asset Id: <b>39/2 TO 39/3</b>
Time of inspection: <b>08:58:03</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>39/2</b>	Survey Dir: <b>downstream</b>
Suburb: <b>ROAD 2</b>	Asset Owner: <b>JK WILLIAMS</b>	DS MH: <b>39/3</b>	Inspect Length : <b>49.76 m</b>
Street: <b>ROAD 2</b>	Precipitation.: <b>No measures</b>		
Asset Location	Flow control		

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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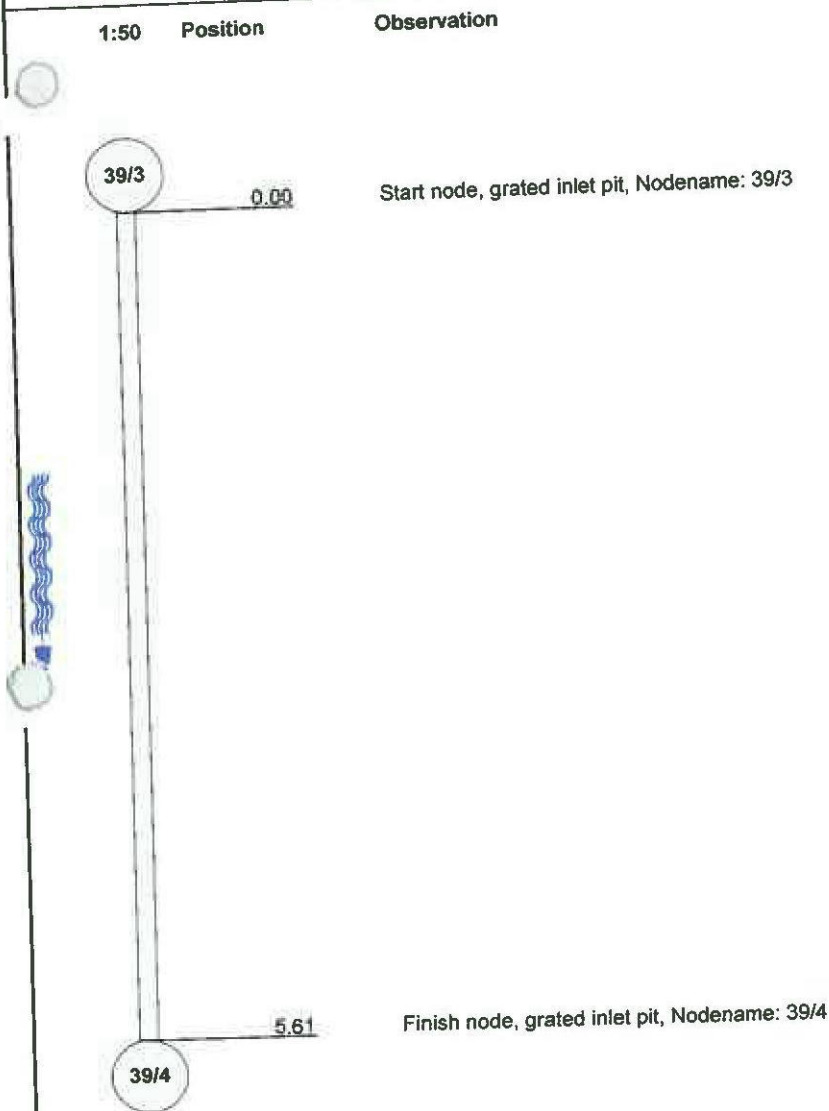
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number 22	Pipe Asset Id: 39/3 TO 39/4
Time of inspection: 09:23:19	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 2	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length	39/3 downstream 39/4 5.61 m
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement		

Remarks :



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	1	0	0	0	0	1





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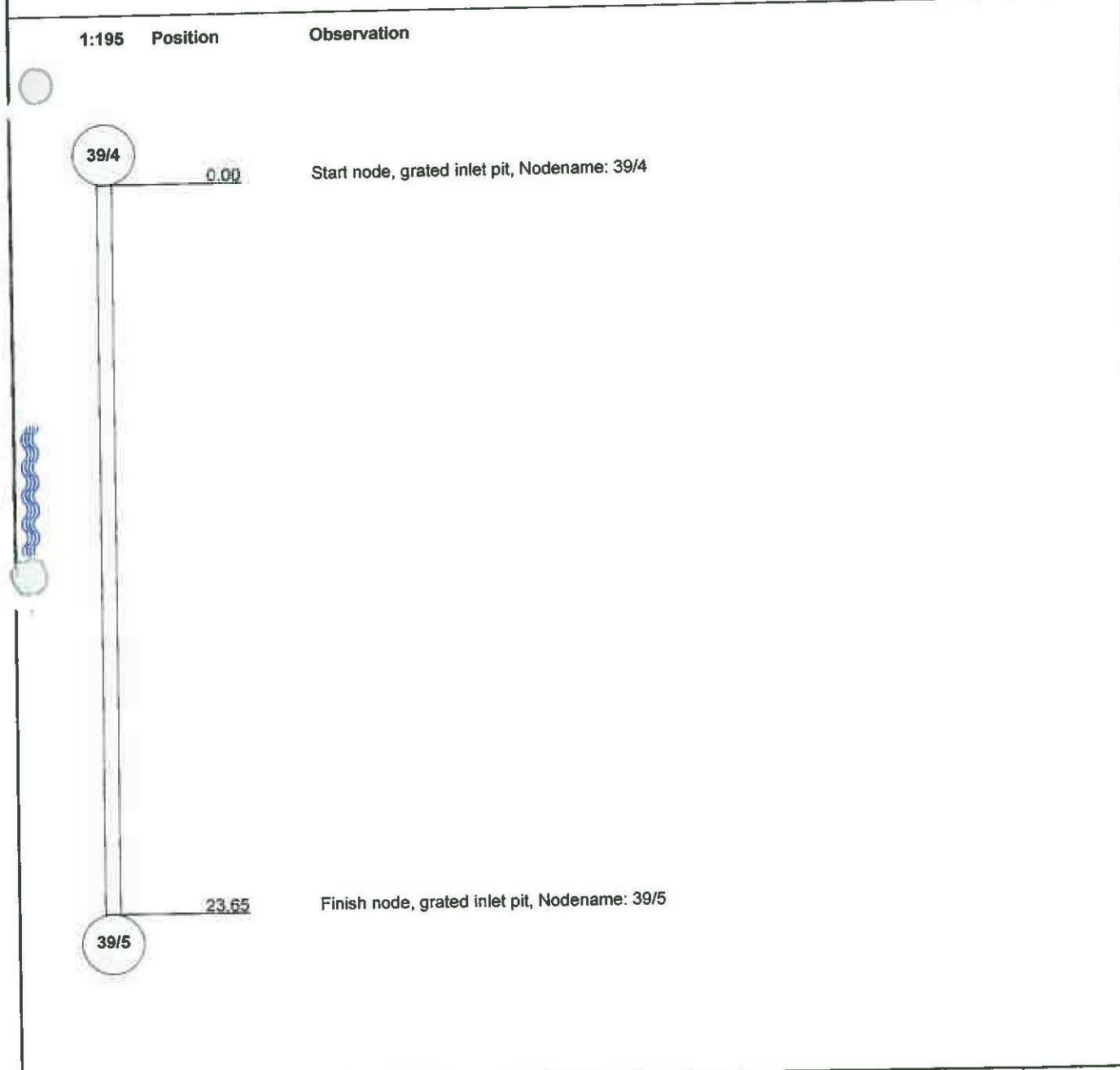
### WSA assessment

Date: <b>23/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>23</b>	Pipe Asset Id: <b>39/4 TO 39/5</b>
Time of inspection: <b>09:38:26</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 2</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>39/4</b> Survey Dir: <b>downstream</b> DS MH: <b>39/5</b> Inspect Lenght : <b>23.65 m</b>
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Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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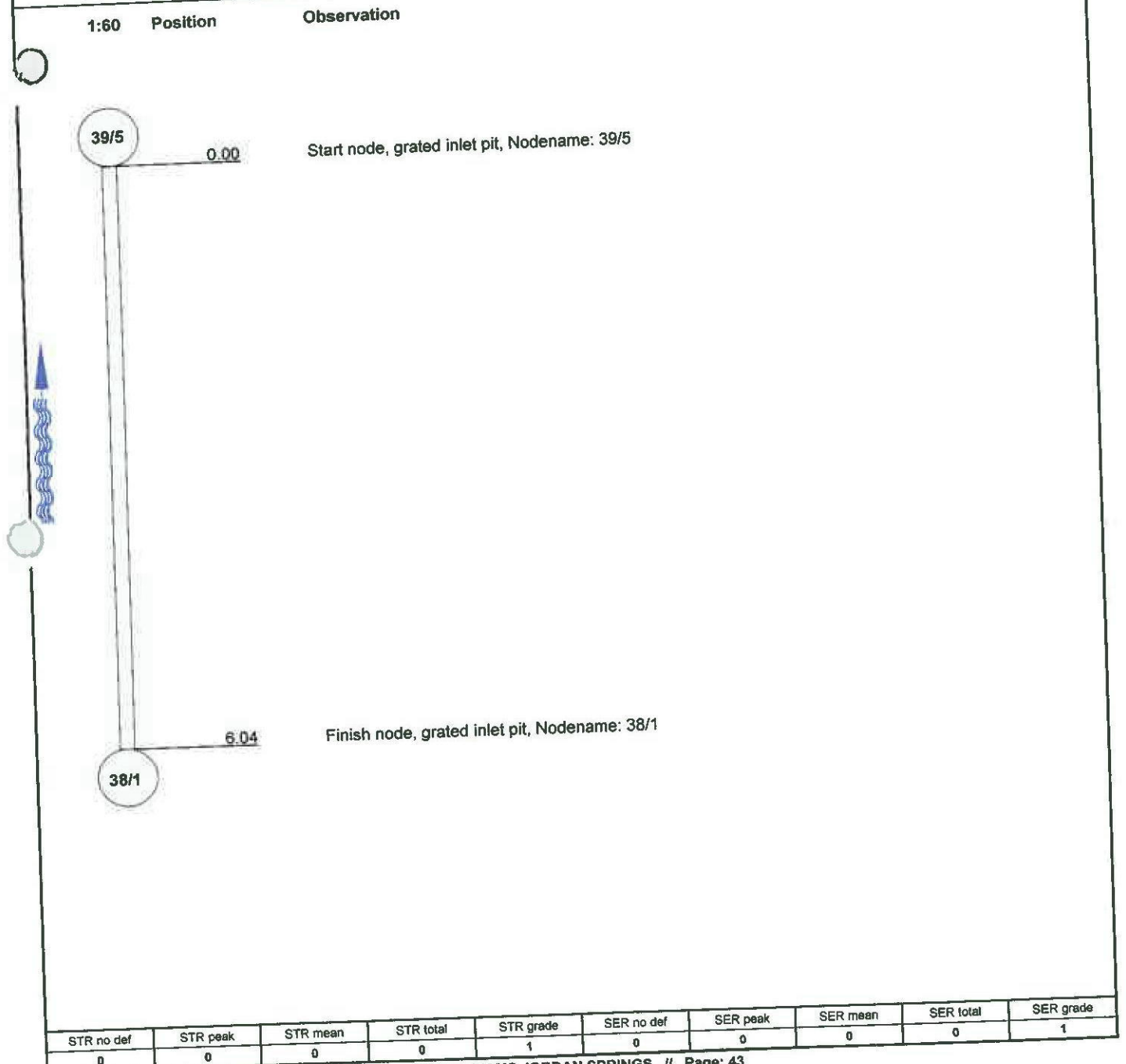
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 24	Pipe Asset Id: 39/5 TO 38/1
Time of inspection: 10:06:32	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 2	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	38/1 upstream 39/5 6.04 m
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement		

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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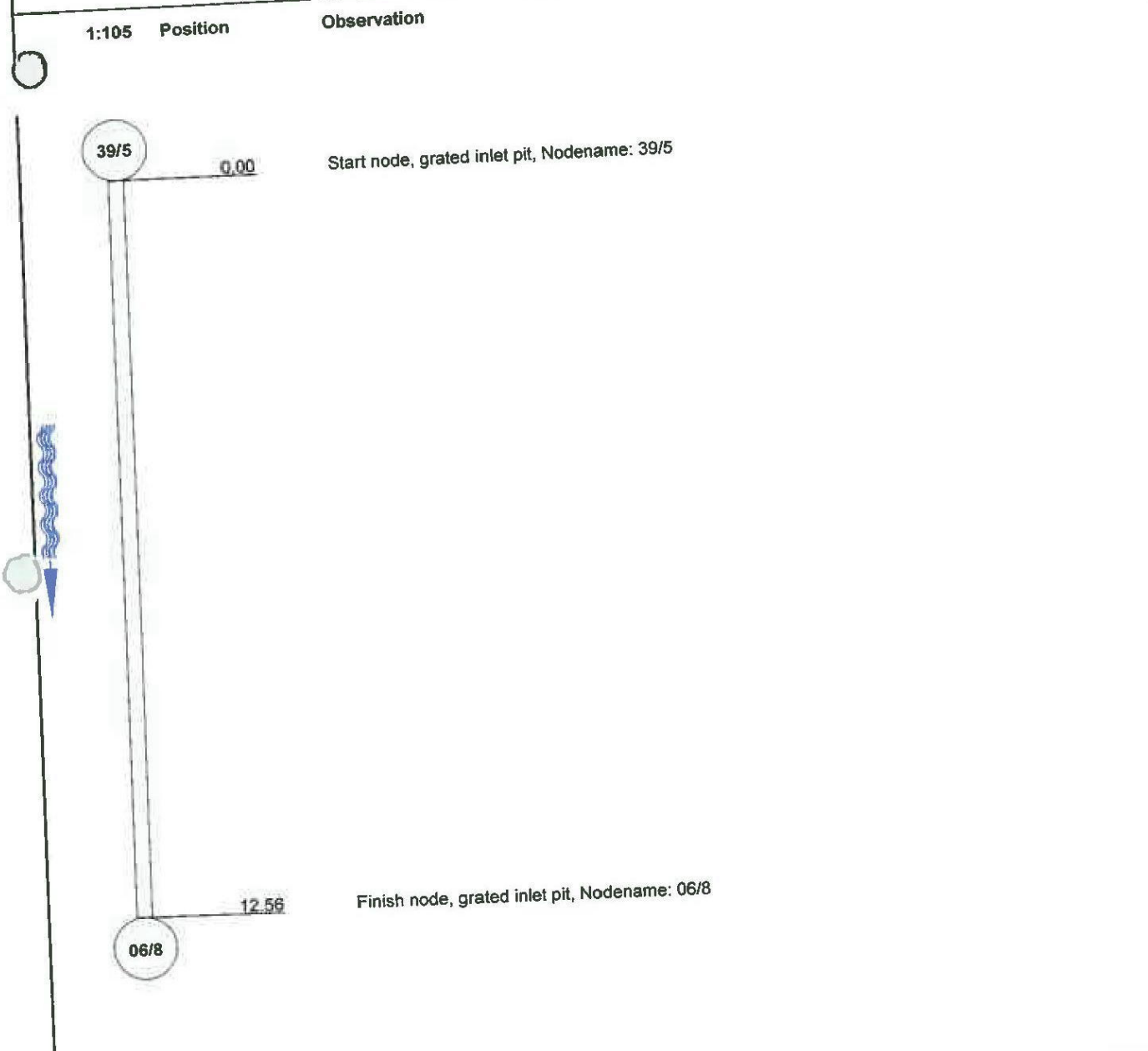
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 25	Pipe Asset Id: 39/5 TO 06/8
Time of inspection: 13:38:35	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 2	Catchment: Asset Owner: Precipitation: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length:	39/5 downstream 06/8 12.56 m
Purpose of inspection: Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape: Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement		

Remarks:



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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 PO BOX 1356  
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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### WSA assessment

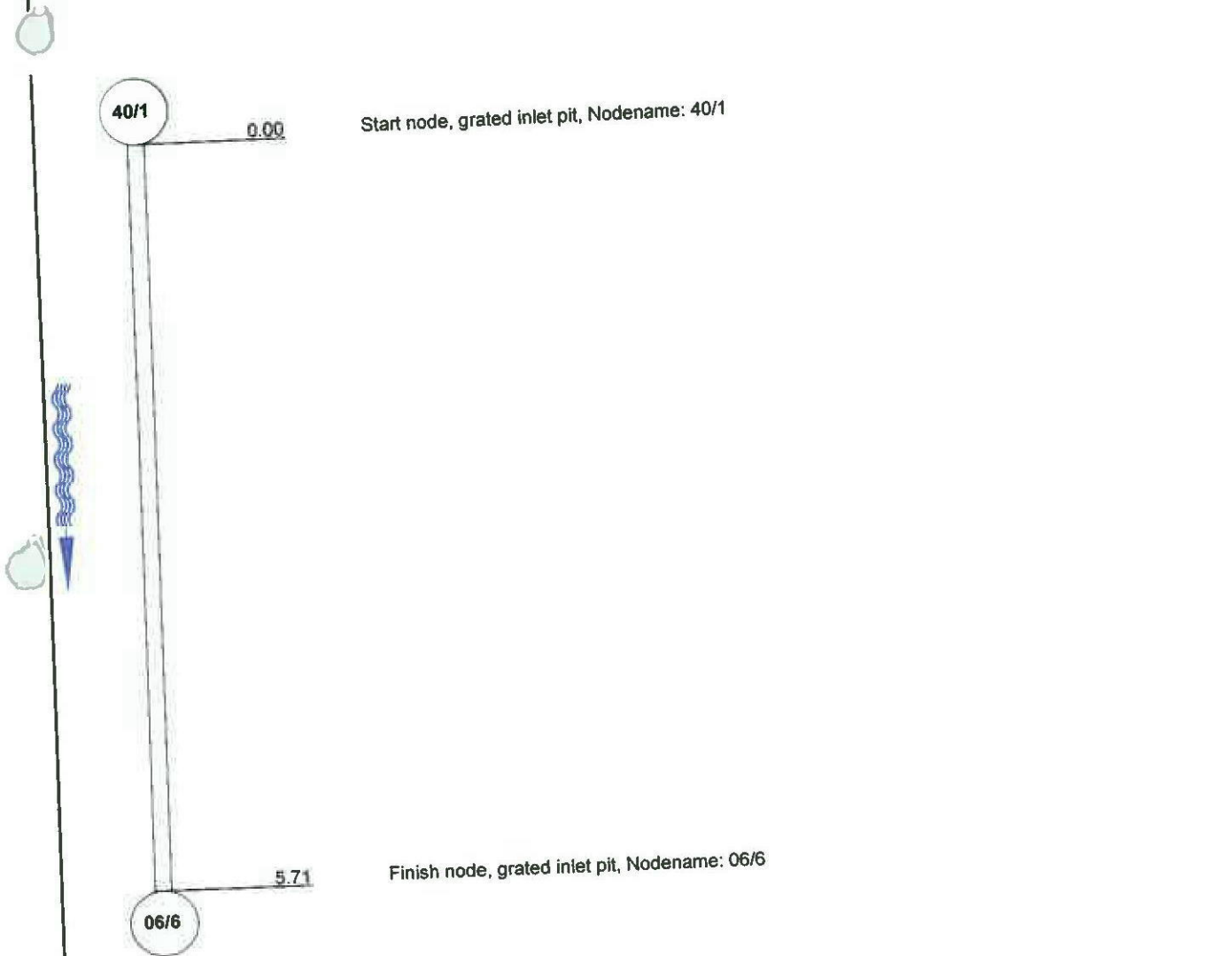
Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 26	Pipe Asset Id: 40/1 TO 06/6
Time of inspection: 13:56:24	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	40/1 downstream 06/6 5.71 m
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Purpose of inspection :	New Construction	Shape :	Circular
Use of Conduit:	Drain	Dia/Height:	375 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Fibre reinforced cement

Remarks :

1:50 Position Observation



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

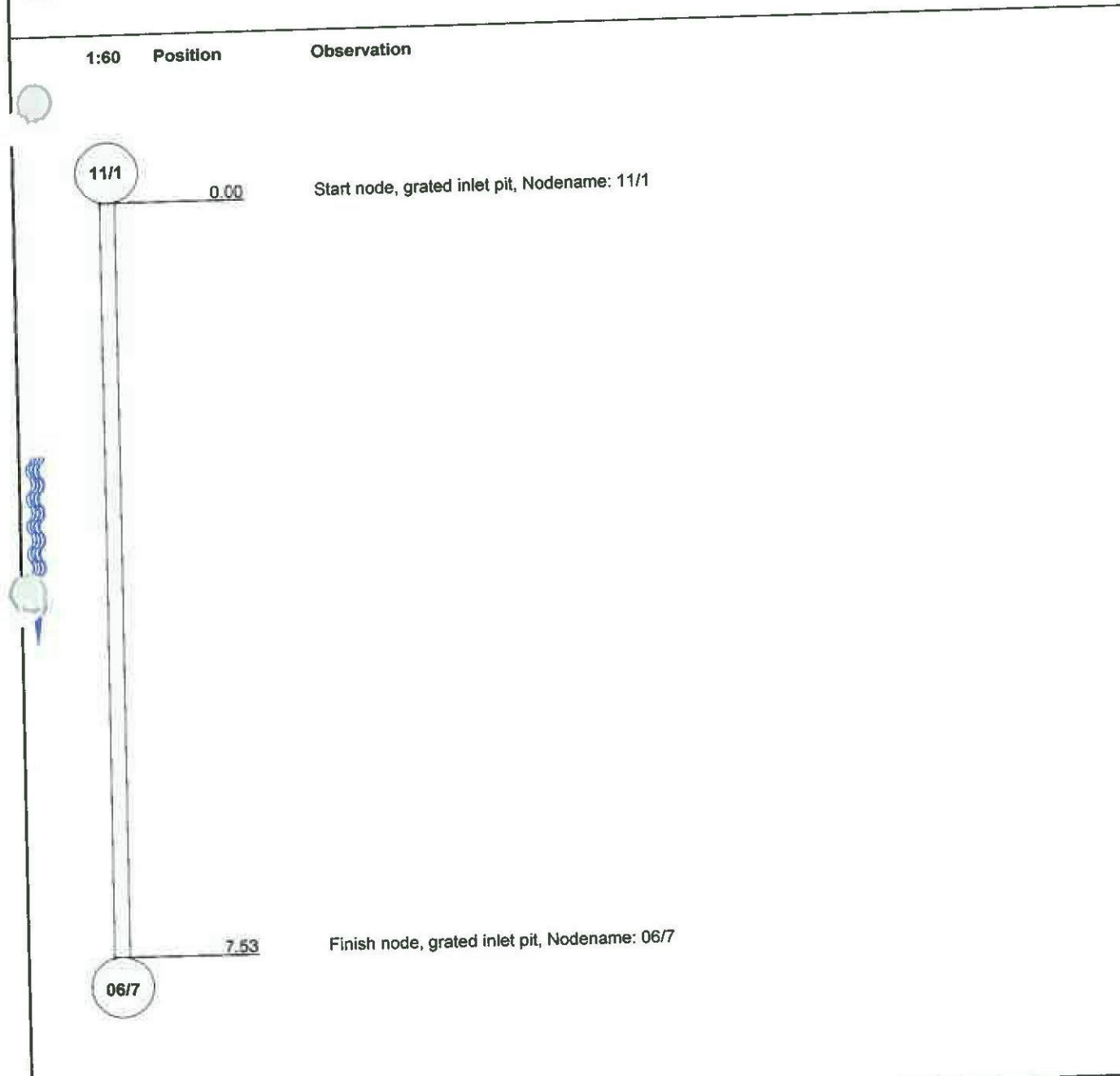
### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 27	Pipe Asset Id: 11/1 TO 06/7
Time of inspection: 14:13:52	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	11/1 downstream 06/7 7.53 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
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### WSA assessment

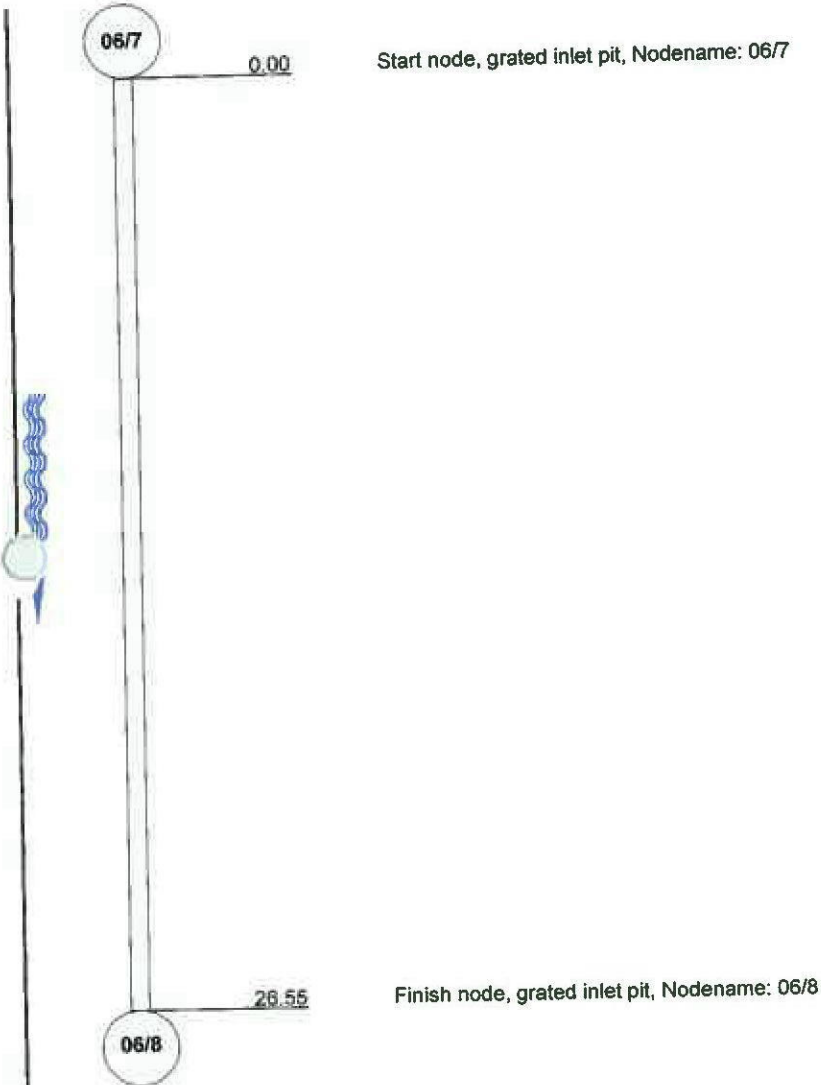
Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 28	Pipe Asset Id: 06/7 TO 06/8
Time of inspection: 14:26:37	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	06/7 downstream 06/8 26.55 m
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Purpose of inspection :	New Construction	Shape :	Circular
Use of Conduit:	Drain	Dia/Height:	600 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Concrete pipe

Remarks :

1:210 Position Observation



STR no def	STR peak	STR mean	STR total	STR grad#	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1





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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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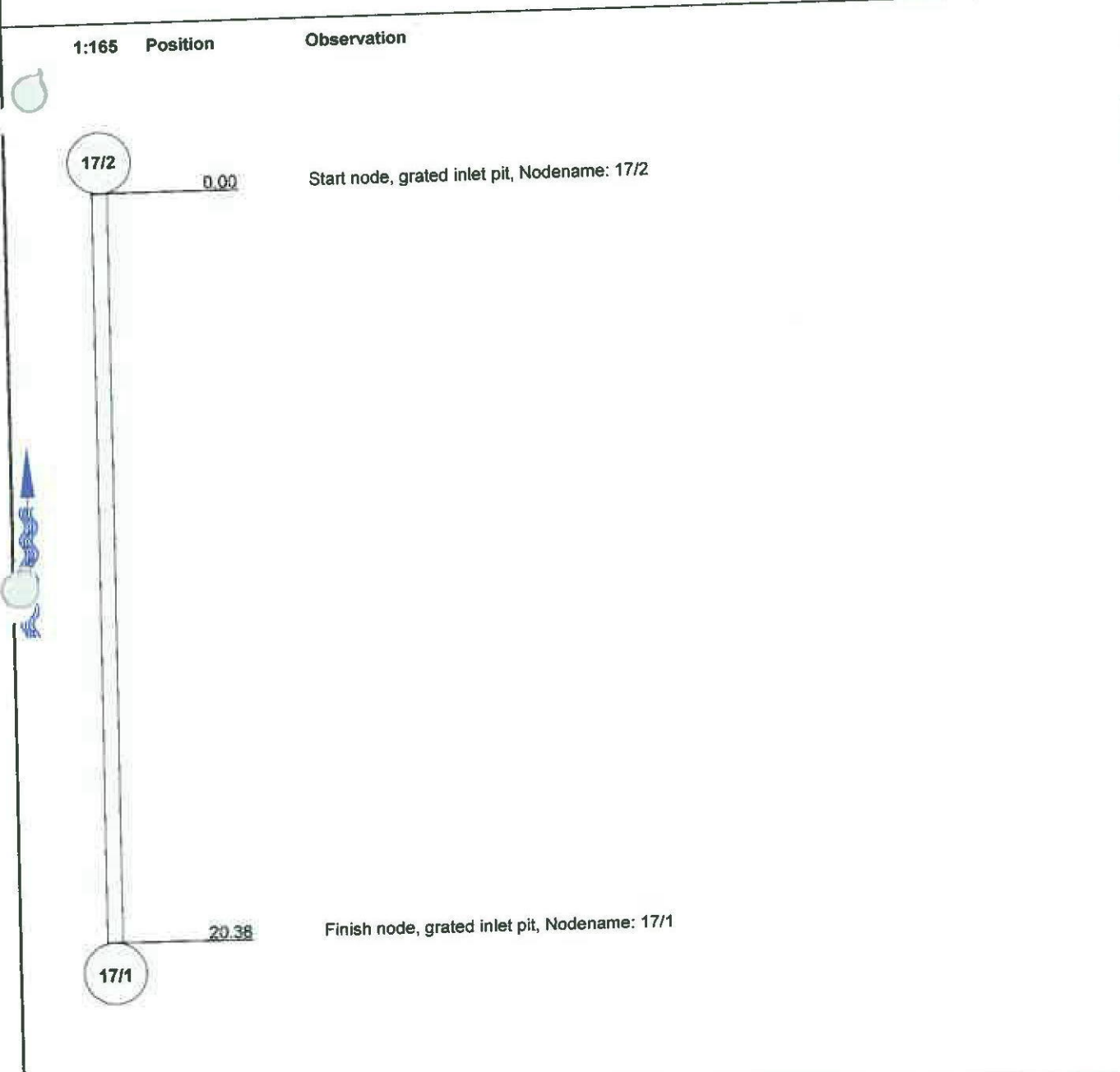
### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 29	Pipe Asset Id: 17/2 TO 17/1
Time of inspection: 14:47:40	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	17/1 upstream 17/2 20.38 m
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Purpose of inspection :	New Construction	Shape :	Circular
Use of Conduit:	Drain	Dia/Height:	375 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Fibre reinforced cement

Remarks :



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	1	0	0	0	0	1

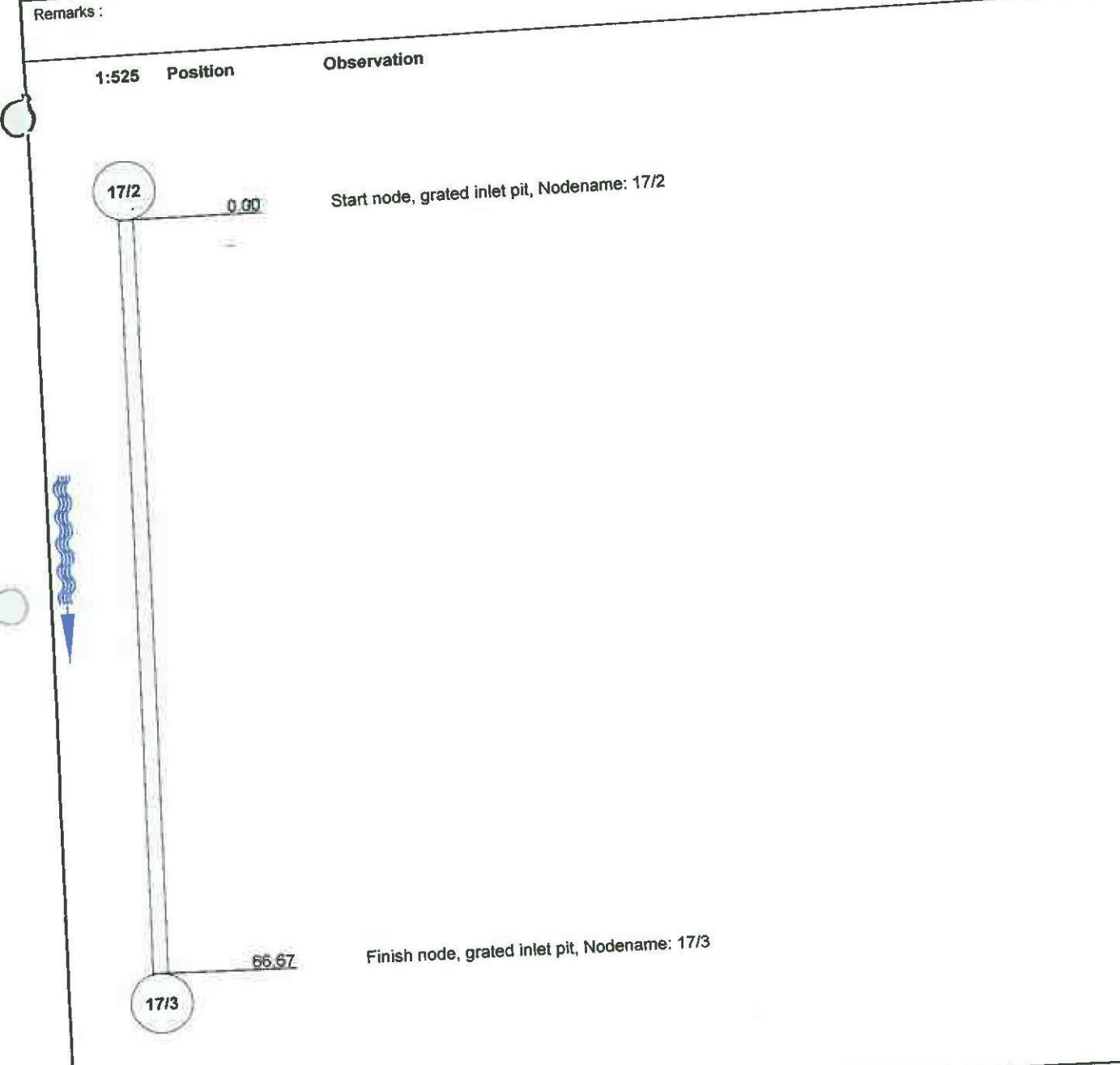


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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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### WSA assessment

Date: 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 30	Pipe Asset Id: 17/2 TO 17/3
Time of inspection: 14:53:36	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	17/2 downstream 17/3 66.67 m
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement	Remarks :	



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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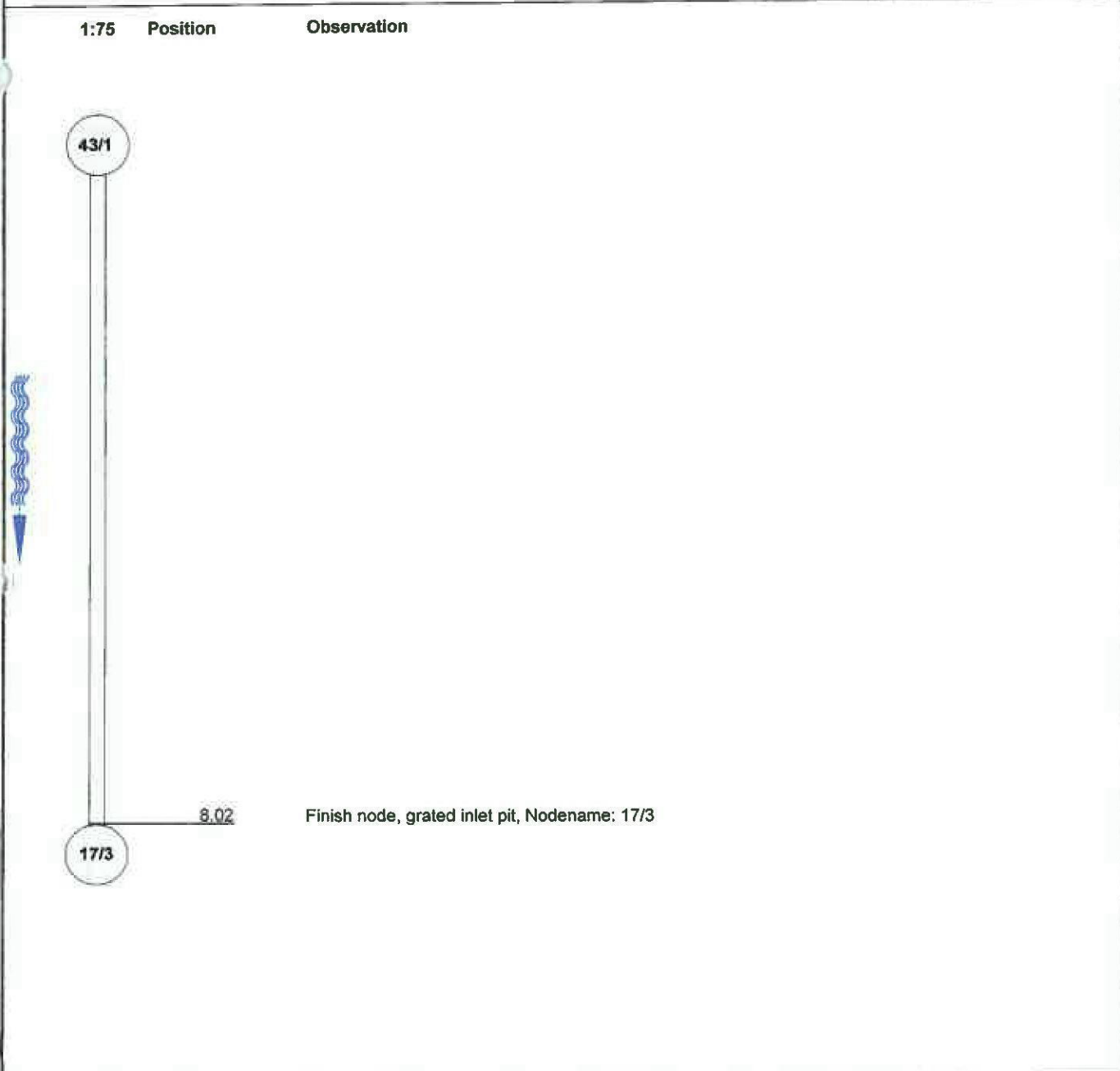
### WSA assessment

Date 23/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 31	Pipe Asset Id: 43/1 to 17/3
Time of inspection: 15:27:28	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 1 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control No measures	US MH: 43/1 Survey Dir: downstream DS MH: 17/3 Inspect Lenght : 8.03 m
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Purpose of inspection: New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1







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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

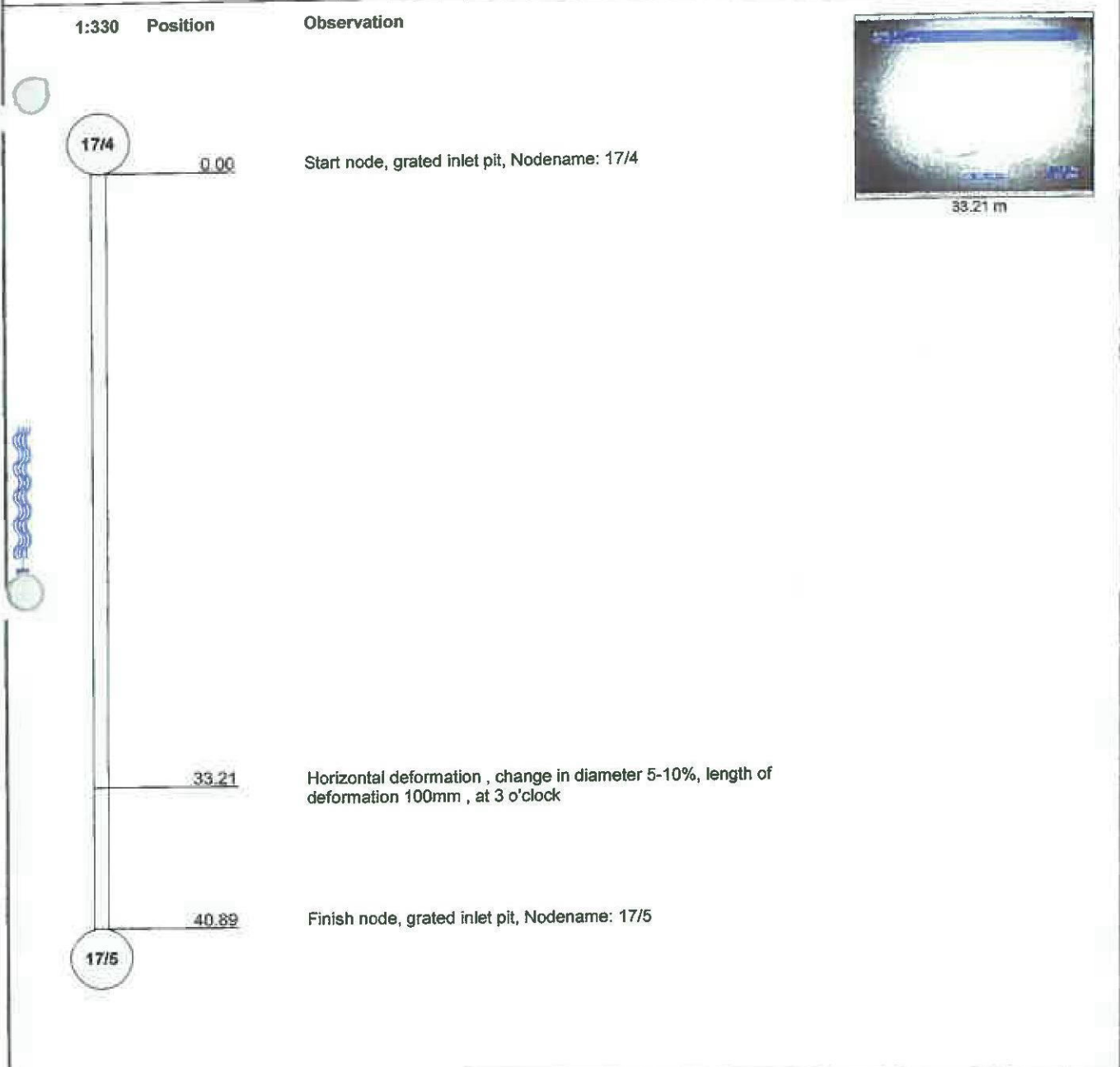
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 33	Pipe Asset Id: 17/4 to 17/5
Time of inspection: 07:09:38	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	17/4 downstream 17/5 40.89 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



### Inspection Pictures

Location/Street <b>ROAD 1</b>	Town or suburb:	Date : <b>26/08/2013</b>	Section number: <b>33</b>	Sewer Ref.: <b>17/4 to 17/5</b>
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Photo: 33\_1\_2\_02092013\_162657\_A.jpg  
 33.21m, Horizontal deformation , change in diameter 5-10%, length of deformation 100mm , at 3 o'clock





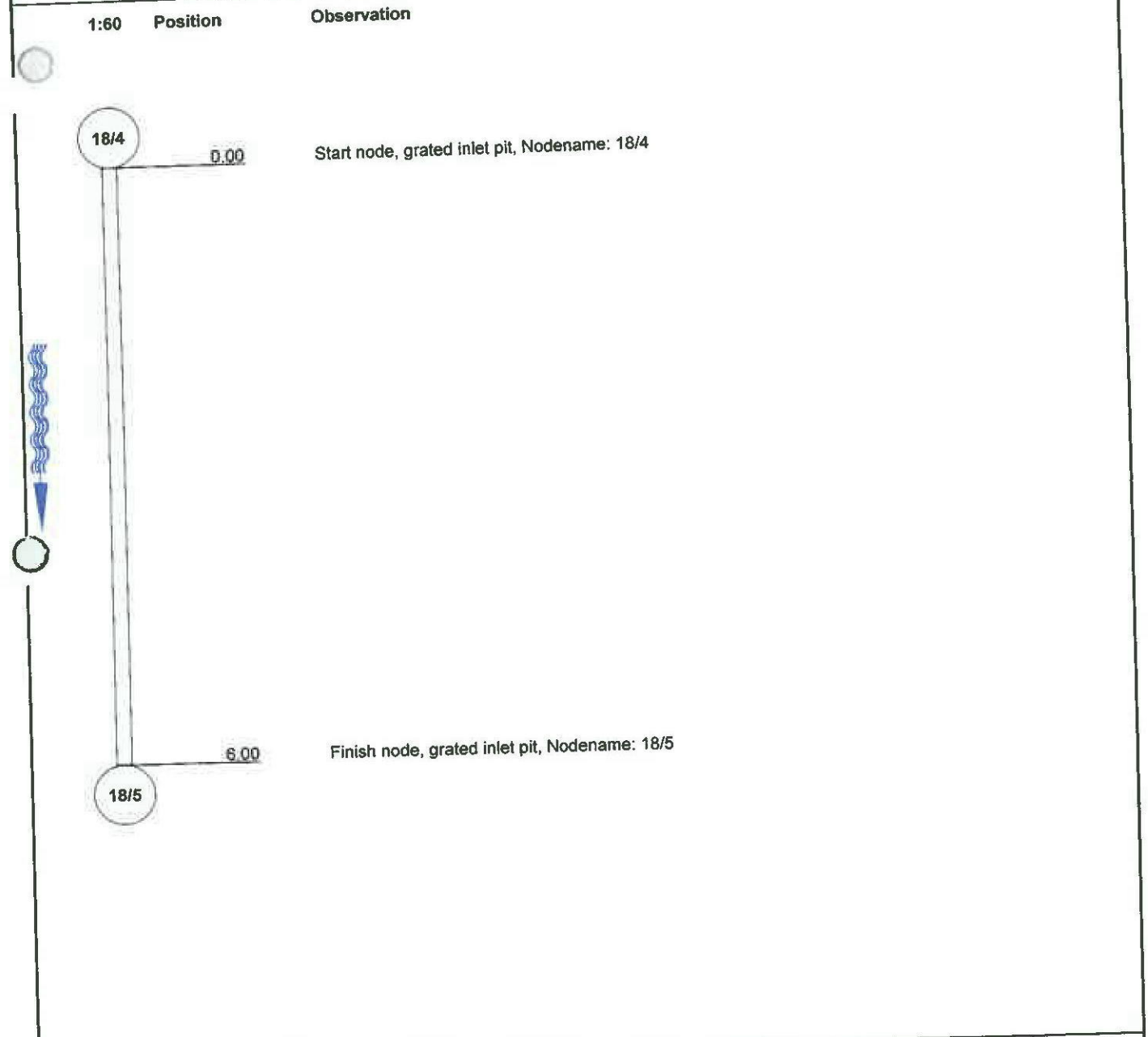
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 Green Valley NSW 2168  
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 34	Pipe Asset Id 18/4 to 18/5
Time of inspection: 07:43:21	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 4	Catchment: Asset Owner: Precipitation: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	18/4 downstream 18/5 6.00 m
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 750 mm Fibre reinforced cement		

Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

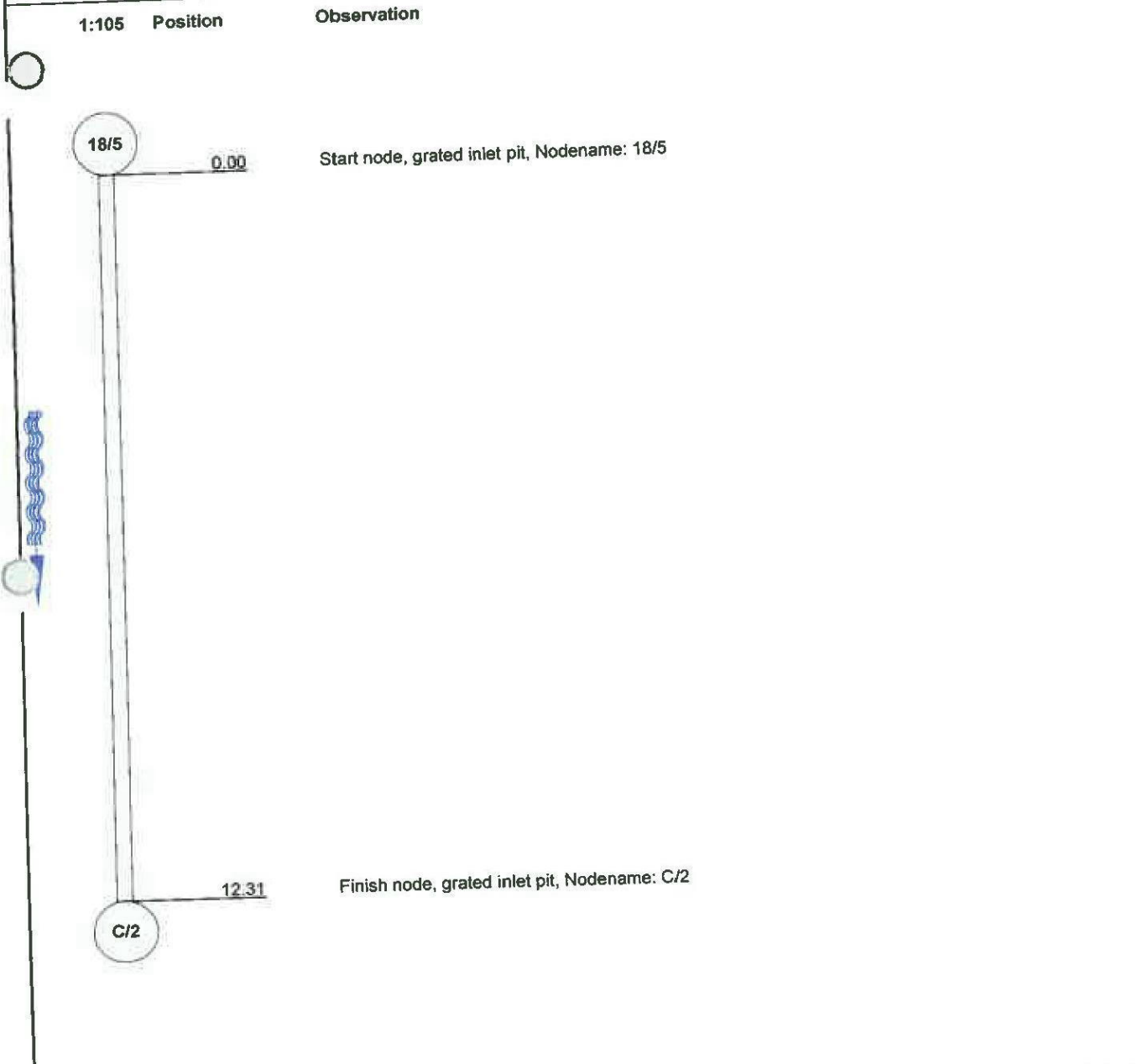
## WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 35	Pipe Asset Id: 18/5 TO C/2
Time of inspection: 07:49:54	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 4</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>18/5</b> Survey Dir: <b>downstream</b> DS MH: <b>C/2</b> Inspect Length: <b>12.31 m</b>
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Purpose of inspection: <b>New Construction</b>	Shape: <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>750 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1



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 Green Valley NSW 2168  
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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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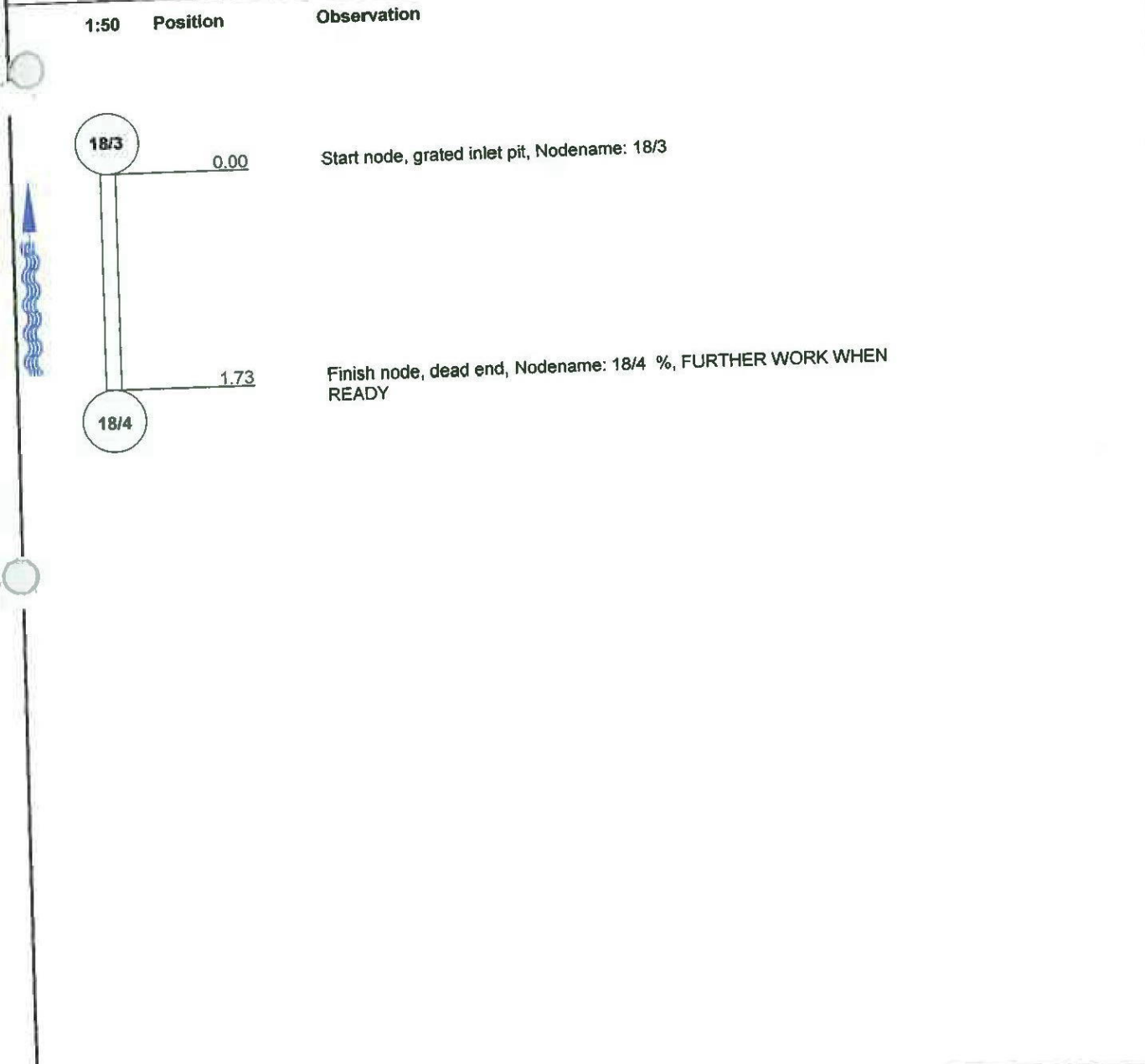
## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>36</b>	Pipe Asset Id: <b>18/4 TO 18/3</b>
Time of inspection: <b>07:58:53</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 4</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>18/4</b> Survey Dir: <b>upstream</b> DS MH: <b>18/3</b> Inspect Length: <b>1.73 m</b>
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Purpose of inspection: <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape: <b>Circular</b> Dia/Height: <b>600 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
---	---

Remarks :



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	1	0	0	0	0	1





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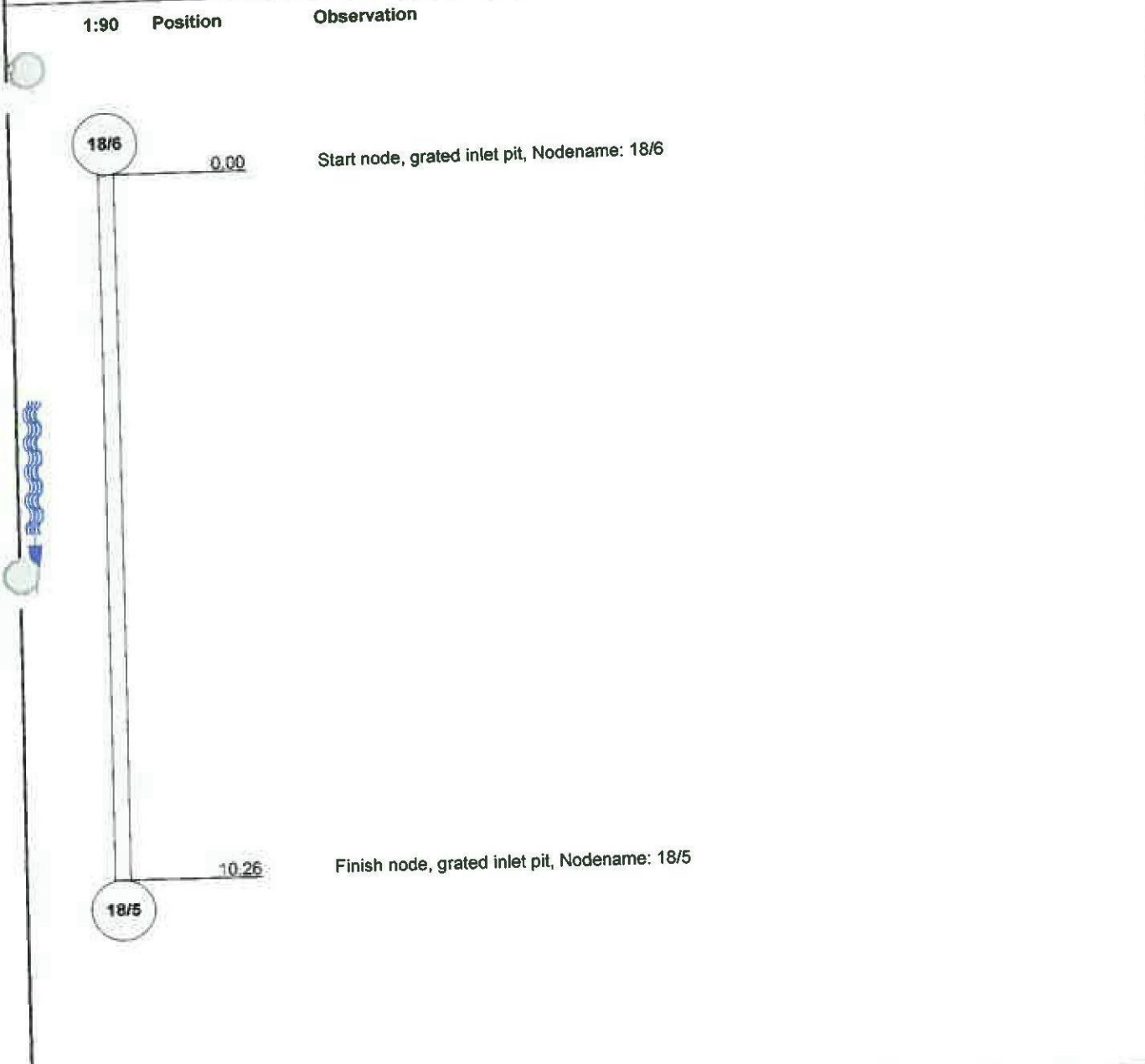
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 37	Pipe Asset Id: 18/6 TO 18/5
Time of inspection: 08:16:20	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	18/6 downstream 18/5 10.26 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 750 mm Fibre reinforced cement
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Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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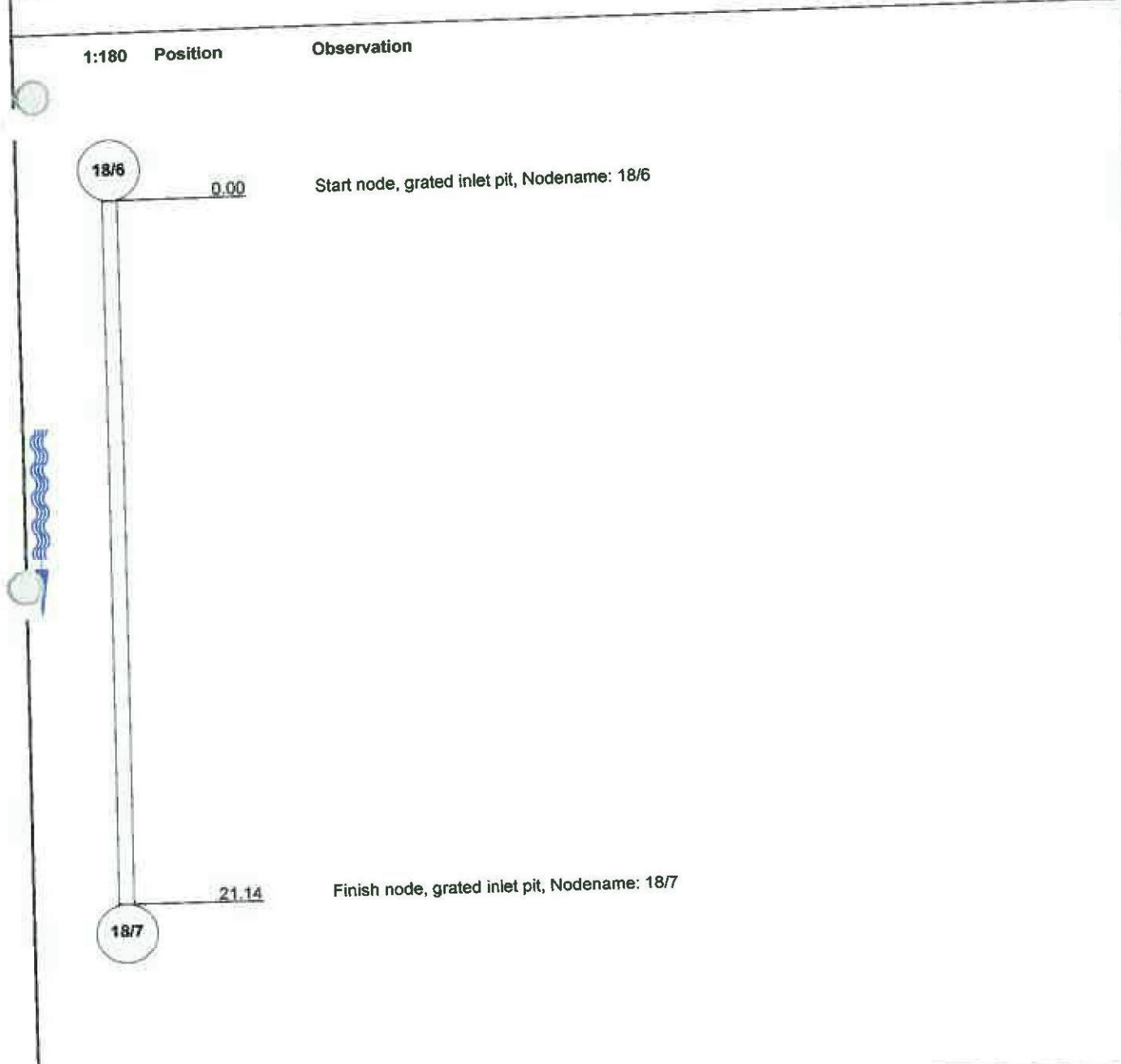


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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>38</b>	Pipe Asset Id: <b>18/6 TO 18/7</b>
Time of inspection: <b>08:22:21</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>18/6</b> Survey Dir: <b>downstream</b> DS MH: <b>18/7</b> Inspect Length: <b>21.14 m</b>
Purpose of inspection: <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape: <b>Circular</b> Dia/Height: <b>750 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>	
Remarks :		



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	1	0	0	0	0	1



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 Tel: 02 9620 1981 Fax: 02 9620 1987  
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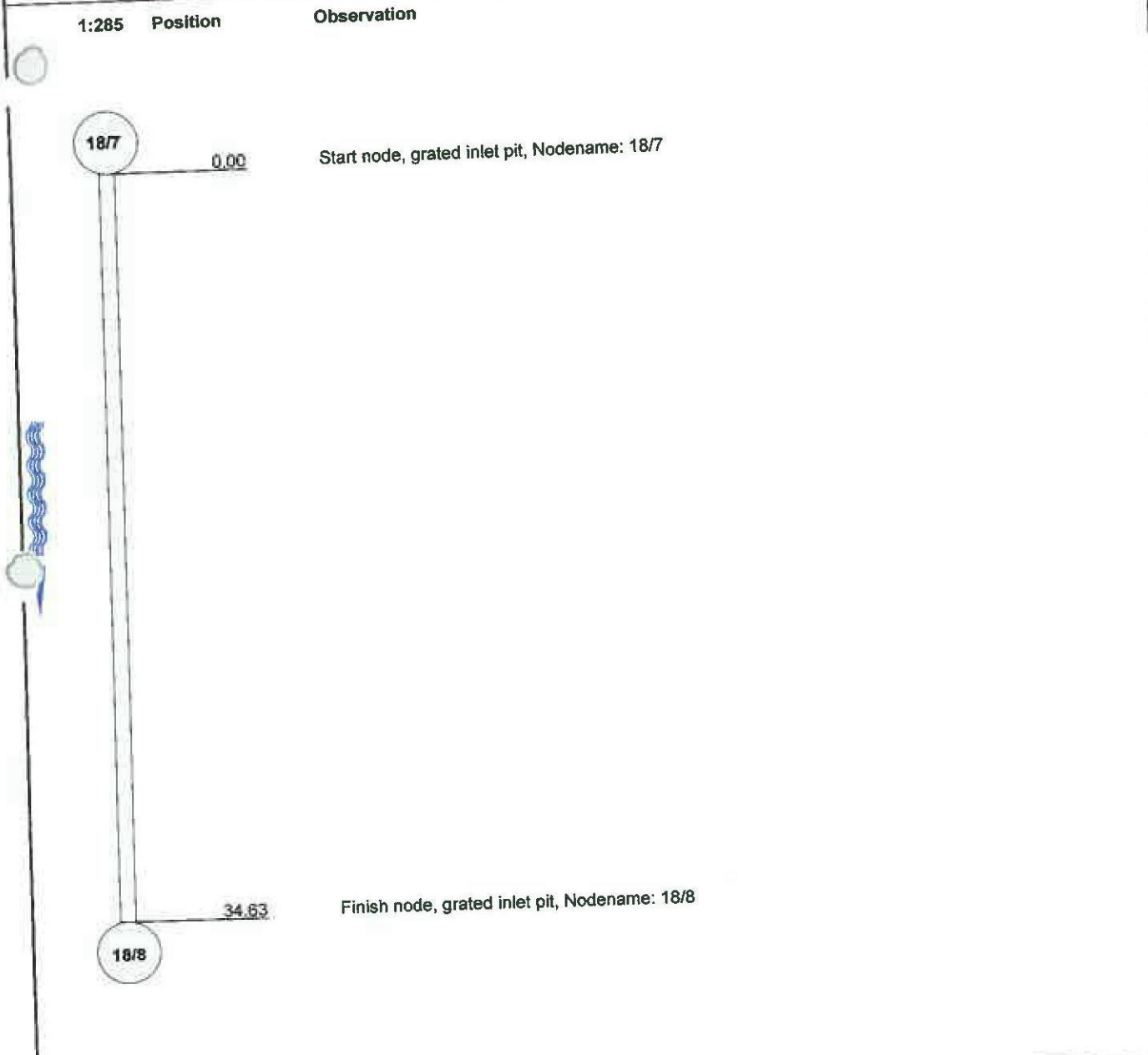
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>39</b>	Pipe Asset Id: <b>18/7TO 18/8</b>
Time of inspection: <b>08:26:48</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>18/7</b>
Suburb: <b>ROAD 1</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>downstream</b>
Street: <b>ROAD 1</b>	Precipitation.: <b>No measures</b>	DS MH: <b>18/8</b>
Asset Location	Flow control <b>No measures</b>	Inspect Lenght : <b>34.63 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height : <b>750 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1





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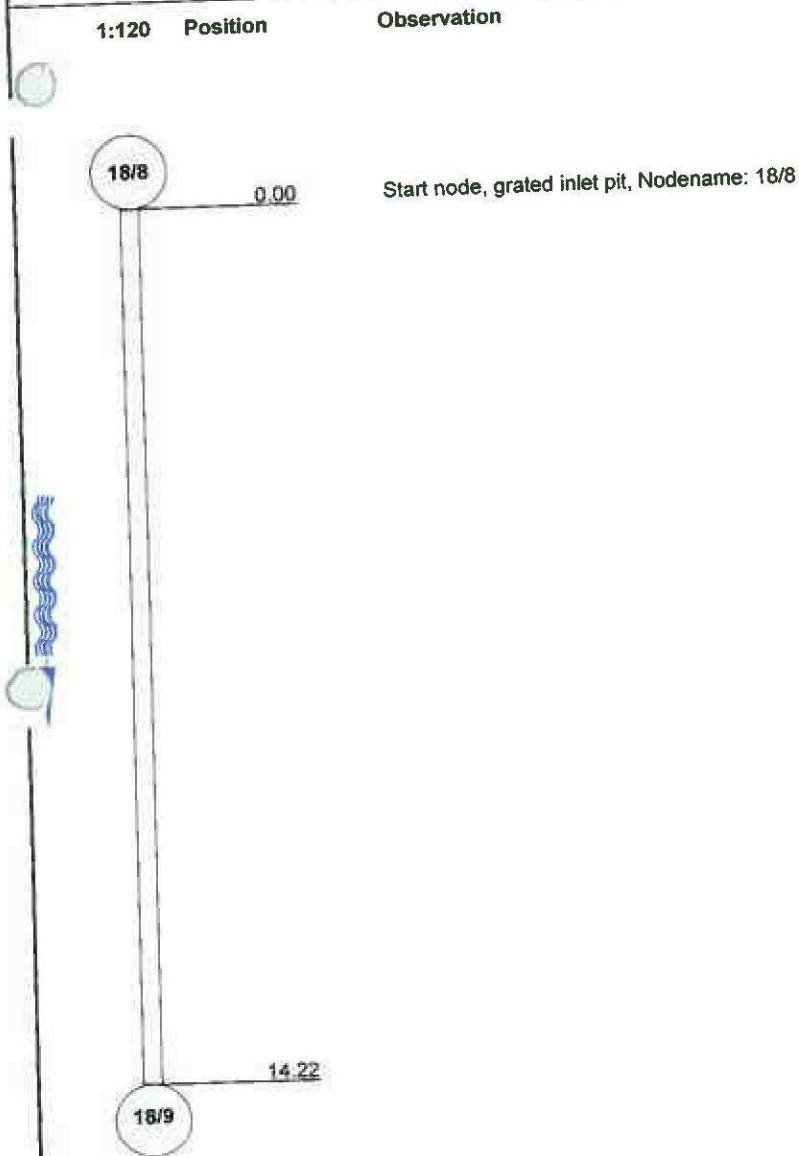
## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>40</b>	Pipe Asset Id: <b>18/8 TO 18/9</b>
Time of inspection: <b>08:31:20</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>18/8</b>
Suburb: <b>JORDAN SPRINGS</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>downstream</b>
Street: <b>ROAD 1</b>	Precipitation.: <b>No measures</b>	DS MH: <b>18/9</b>
Asset Location	Flow control	Inspect Lenght <b>14.22 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>750 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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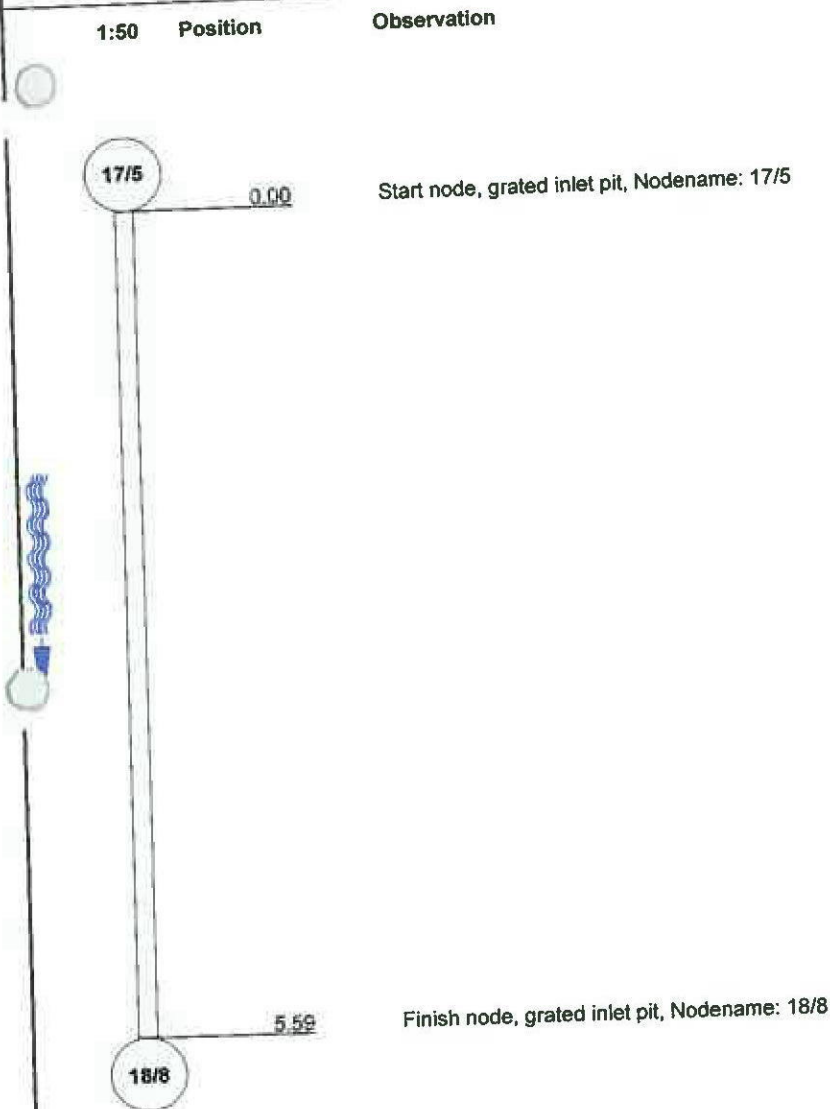
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 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel. 02 9620 1981 Fax. 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 41	Pipe Asset Id: 17/5 TO 18/8
Time of inspection: 08:36:41	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	17/5 downstream 18/8 5.59 m
Purpose of inspection: Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement		

Remarks :



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	1	0	0	0	0	1



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 Green Valley NSW 2168  
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 Tel 02 9620 1981 Fax: 02 9620 1987  
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## WSA assessment

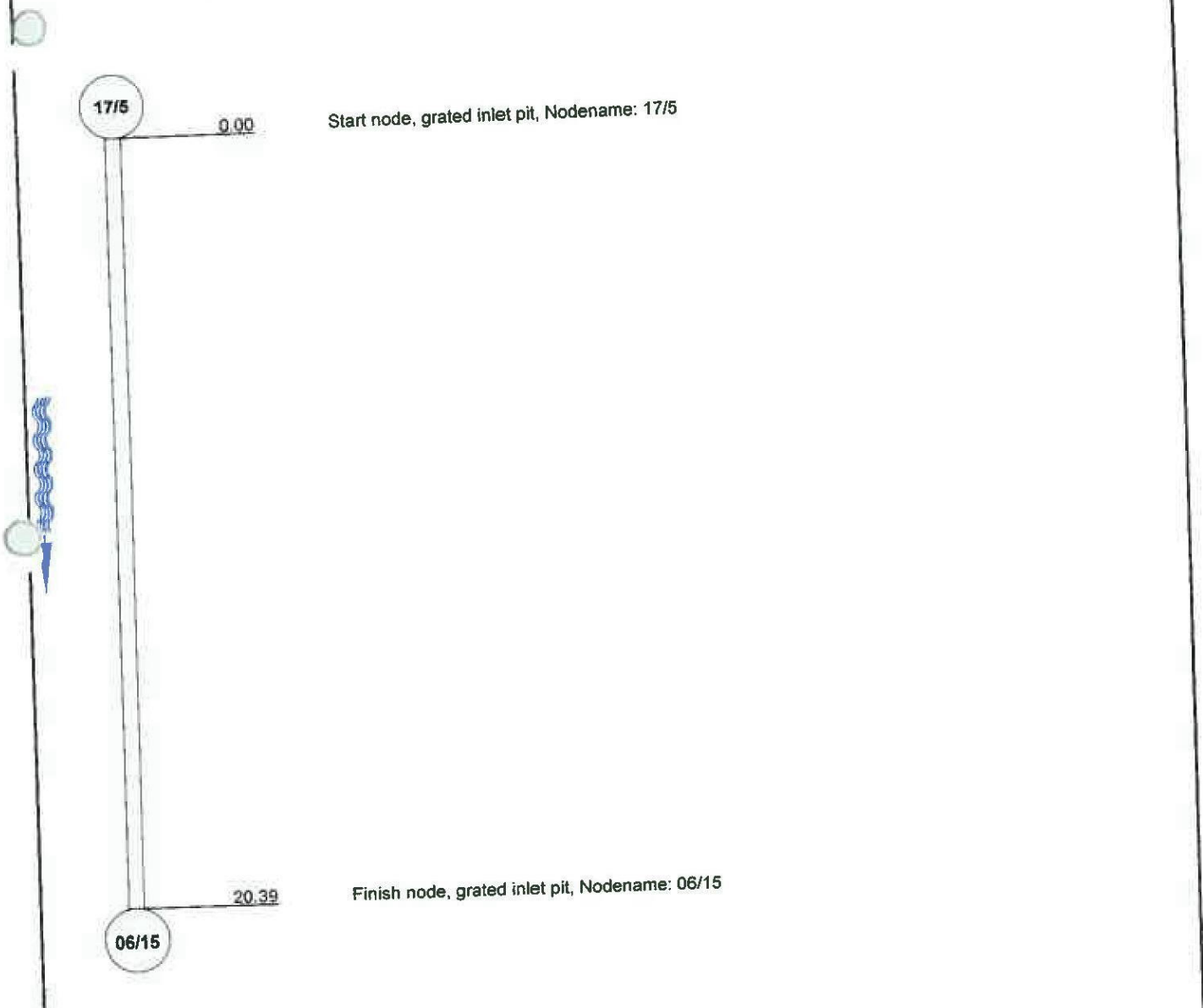
Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number <b>42</b>	Pipe Asset Id: <b>17/5 TO 06/15</b>
Time of inspection: <b>09:15:11</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>17/5</b>
Suburb: <b>ROAD 1</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>downstream</b>
Street: <b>ROAD 1</b>	Precipitation.:	DS MH: <b>06/15</b>
Asset Location	Flow control <b>No measures</b>	Inspect Length : <b>20.39 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :

**1:165**    **Position**                      **Observation**



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	1	0	0	0	0	1





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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessing@totaldraincleaning.com.au

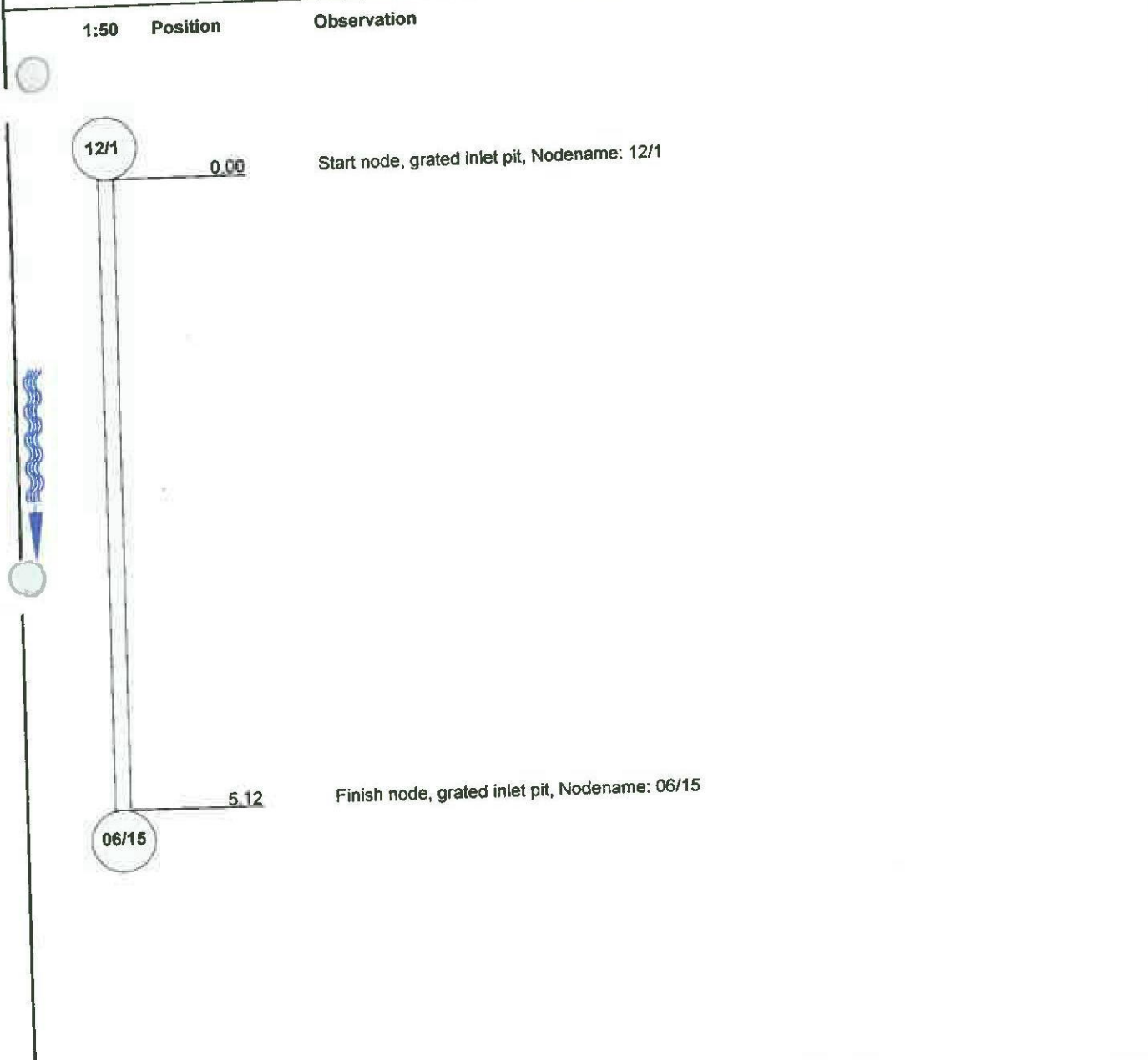
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>43</b>	Pipe Asset Id: <b>12/1 TO 06/15</b>
Time of inspection: <b>09:29:55</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: Street: Asset Location	<b>JORDAN SPRINGS ROAD 1</b>	Catchment: Asset Owner: Precipitation.: Flow control	<b>JK WILLIAMS No measures</b>	US MH: Survey Dir: DS MH: Inspect Length :	<b>12/1 downstream 06/15 5.12 m</b>
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	<b>New Construction Drain Storm water drain</b>	Shape : Dia/Height: Lining: Pipe Material:	<b>Circular 375 mm Fibre reinforced cement</b>
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Remarks :



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	1	0	0	0	0	1



**Total Drain Cleaning**  
 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nkwilliams@totaldraincleaning.com.au

## WSA assessment

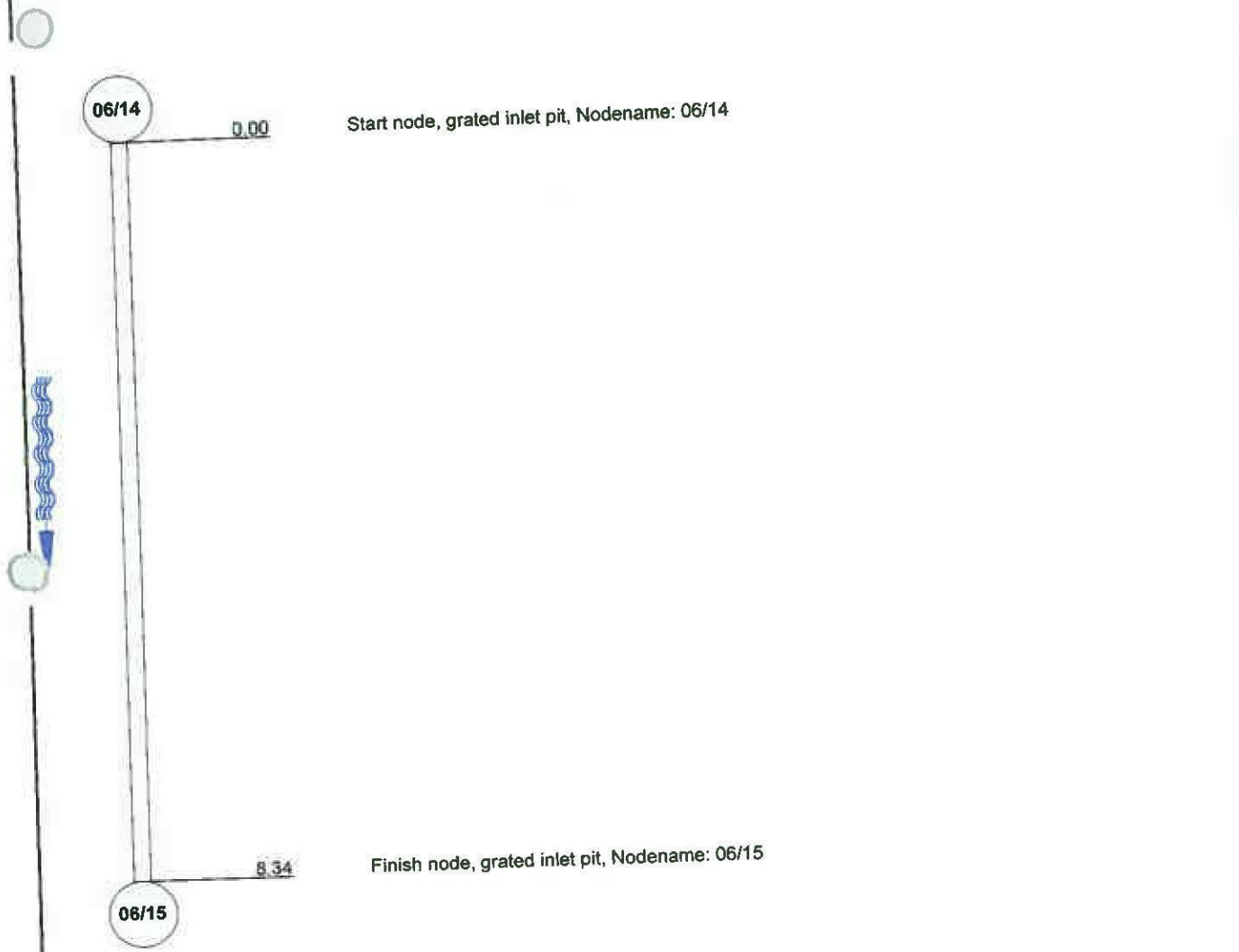
Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>44</b>	Pipe Asset Id: <b>06/14 TO 06/15</b>
Time of inspection: <b>09:32:33</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>06/14</b>
Suburb: <b>ROAD 1</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>downstream</b>
Street: <b>ROAD 1</b>	Precipitation.: <b>No measures</b>	DS MH: <b>06/15</b>
Asset Location	Flow control	Inspect Length : <b>8.34 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>825 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Concrete pipe</b>

Remarks :

**1:75 Position Observation**



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	1	0	0	0	0	1



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 Green Valley NSW 2168  
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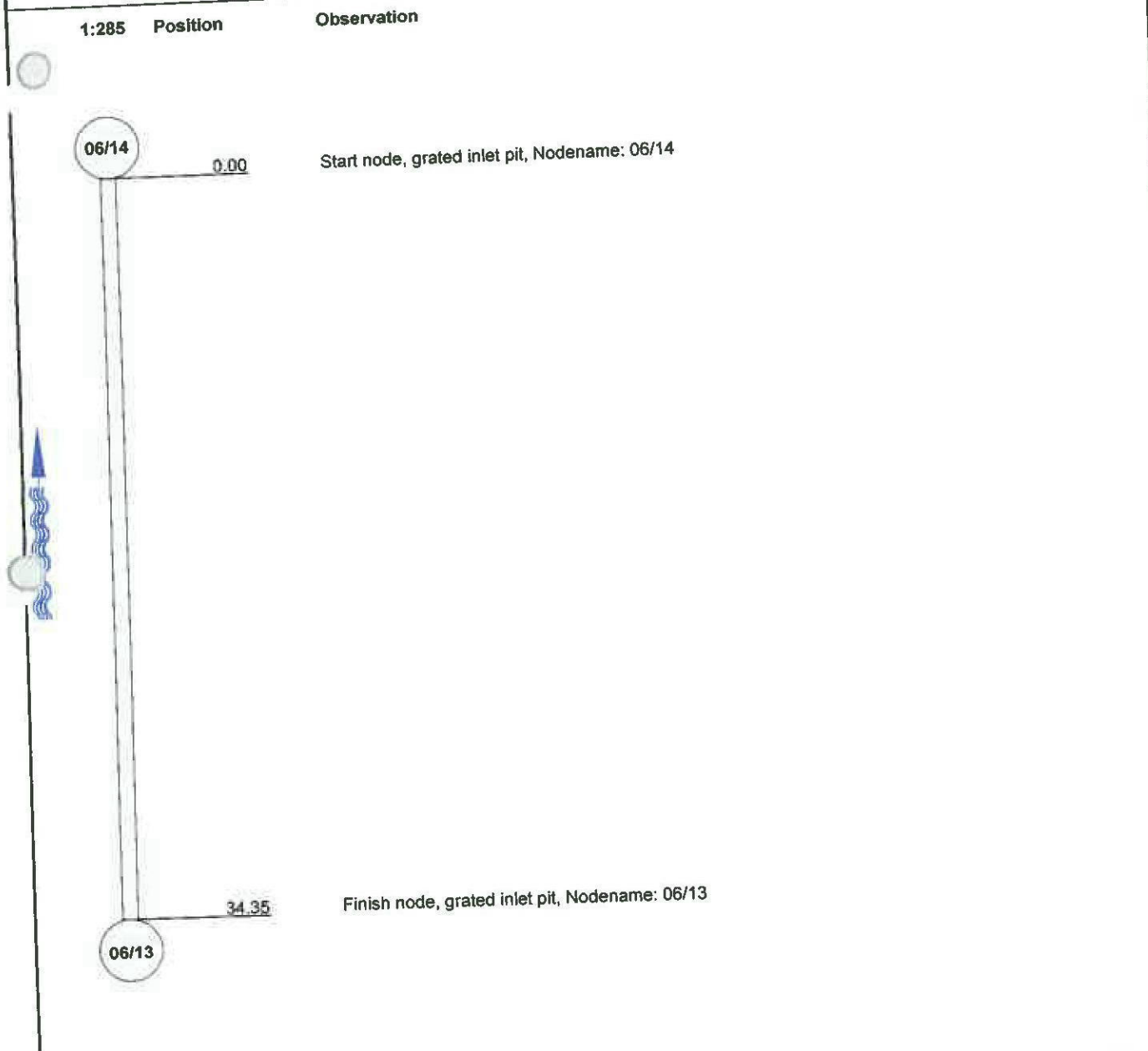
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>45</b>	Pipe Asset Id: <b>06/14 TO 06/13</b>
Time of inspection: <b>09:43:47</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP Ins	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: Street: Asset Location	<b>JORDAN SPRINGS ROAD 1</b>	Catchment: Asset Owner: Precipitation.: Flow control	<b>JK WILLIAMS No measures</b>	US MH: Survey Dir: DS MH: Inspect Length :	<b>06/13 upstream 06/14 34.35 m</b>
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Purpose of inspection :	<b>New Construction</b>	Shape :	<b>Circular</b>
Use of Conduit:	<b>Drain</b>	Dia/Height:	<b>825 mm</b>
Type of Conduit:	<b>Storm water drain</b>	Lining:	
Lining Method:		Pipe Material	<b>Concrete pipe</b>

Remarks :



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	1	0	0	0	0	1





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 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

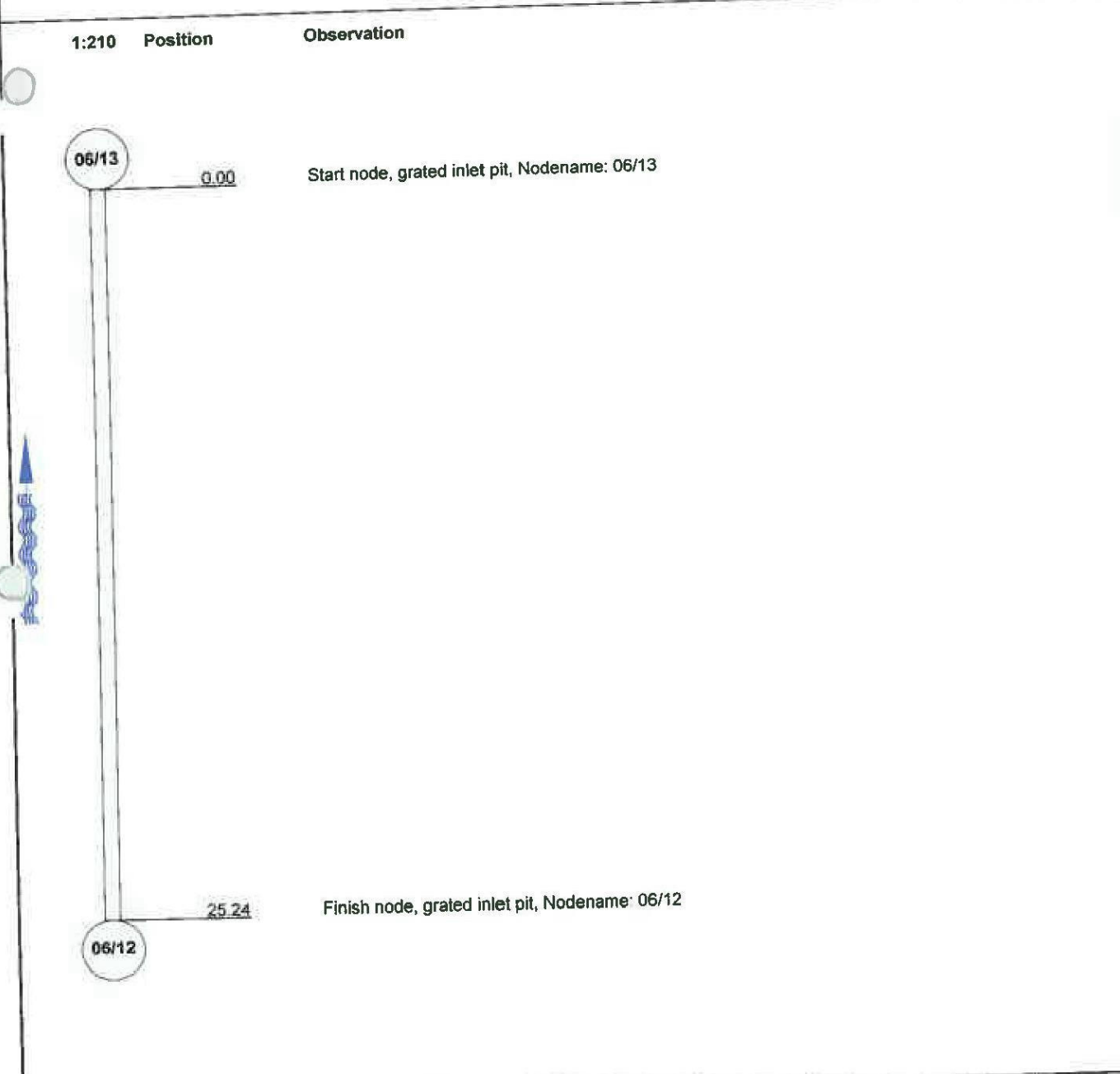
## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>46</b>	Pipe Asset Id: <b>06/13 TO 06/12</b>
Time of inspection: <b>09:49:26</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 1</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>06/12</b> Survey Dir: <b>upstream</b> DS MH: <b>06/13</b> Inspect Length : <b>25.24 m</b>
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Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>750 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
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Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessine@totaldraincleaning.com.au

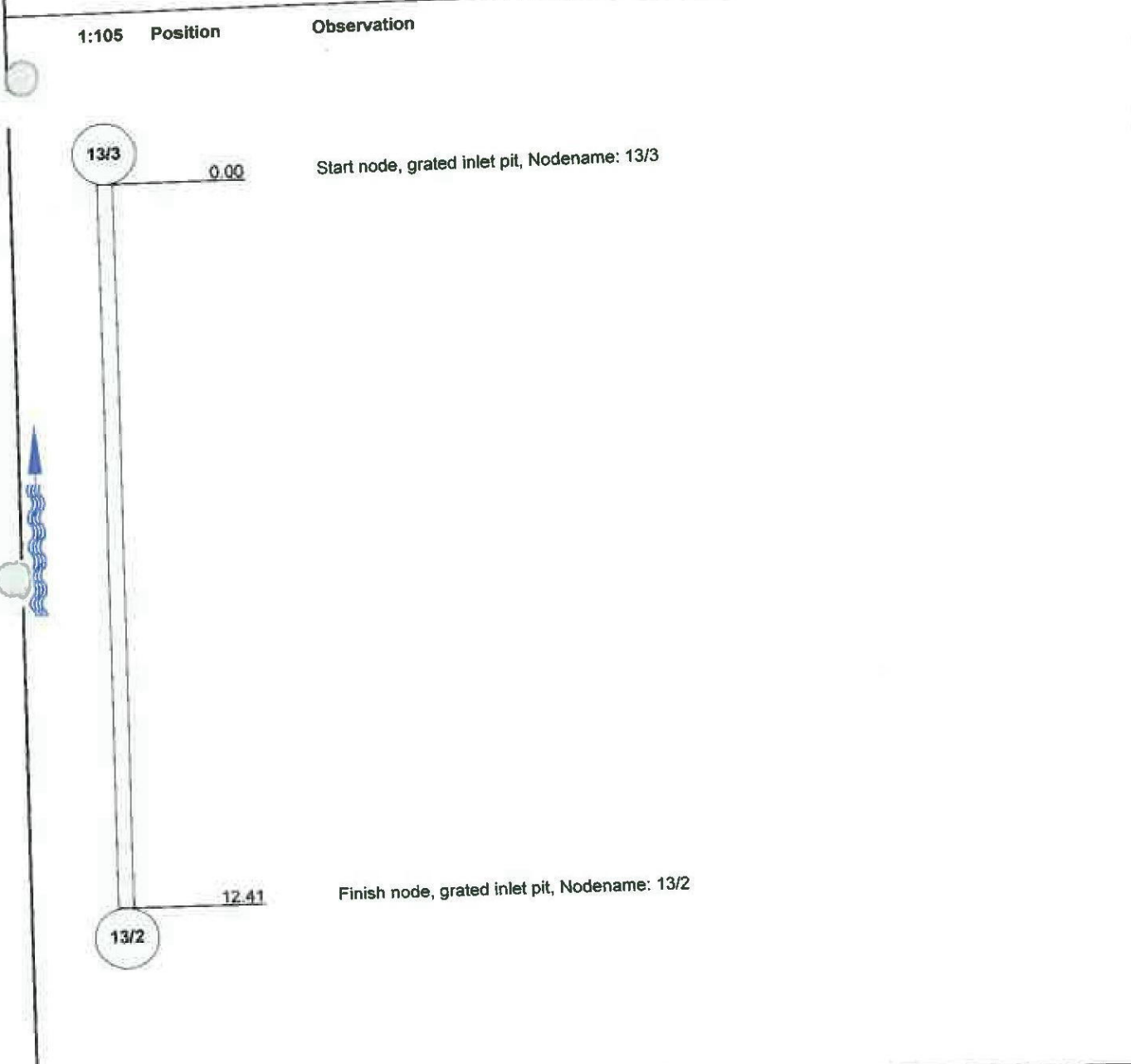
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>47</b>	Pipe Asset Id: <b>13/3 TO 13/2</b>
Time of inspection: <b>10:07:31</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP Ins	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>13/2</b>
Suburb: <b>ROAD 3</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>upstream</b>
Street: <b>ROAD 3</b>	Precipitation.:	DS MH: <b>13/3</b>
Asset Location	Flow control <b>No measures</b>	Inspect Lenght : <b>12.41 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

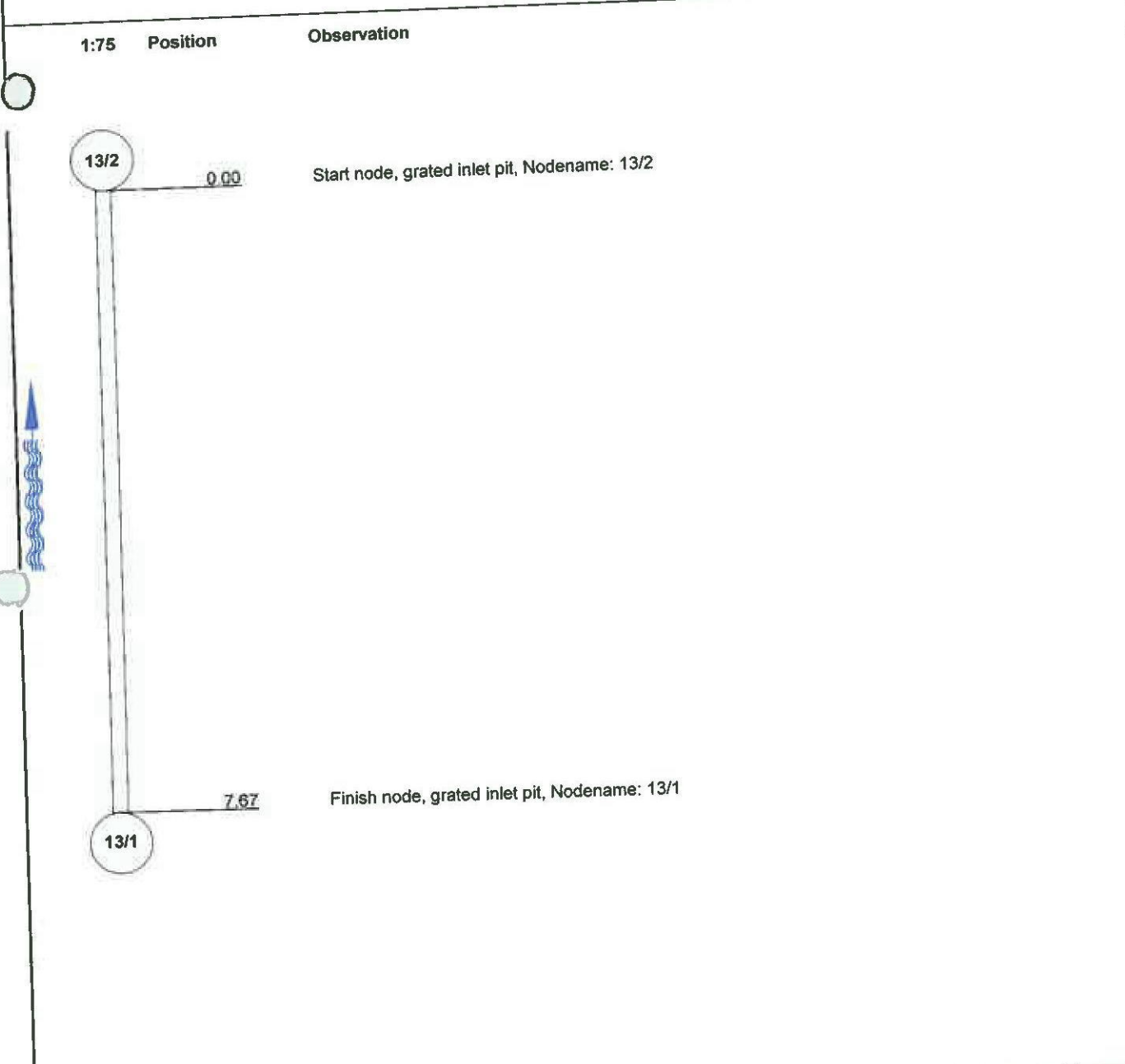
## WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number 48	Pipe Asset Id: 13/2 TO 13/1
Time of inspection: 10:11:23	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	<b>JORDAN SPRINGS</b> <b>ROAD 1</b>	Catchment: Asset Owner: Precipitation.: Flow control	<b>JK WILLIAMS</b> <b>No measures</b>	US MH: Survey Dir: DS MH: Inspect Length :	<b>13/1</b> <b>upstream</b> <b>13/2</b> <b>7.67 m</b>
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	<b>New Construction</b> <b>Drain</b> <b>Storm water drain</b>	Shape : Dia/Height: Lining: Pipe Material:	<b>Circular</b> <b>375 mm</b> <b>Fibre reinforced cement</b>
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Remarks :



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	1	0	0	0	0	1





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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

## WSA assessment

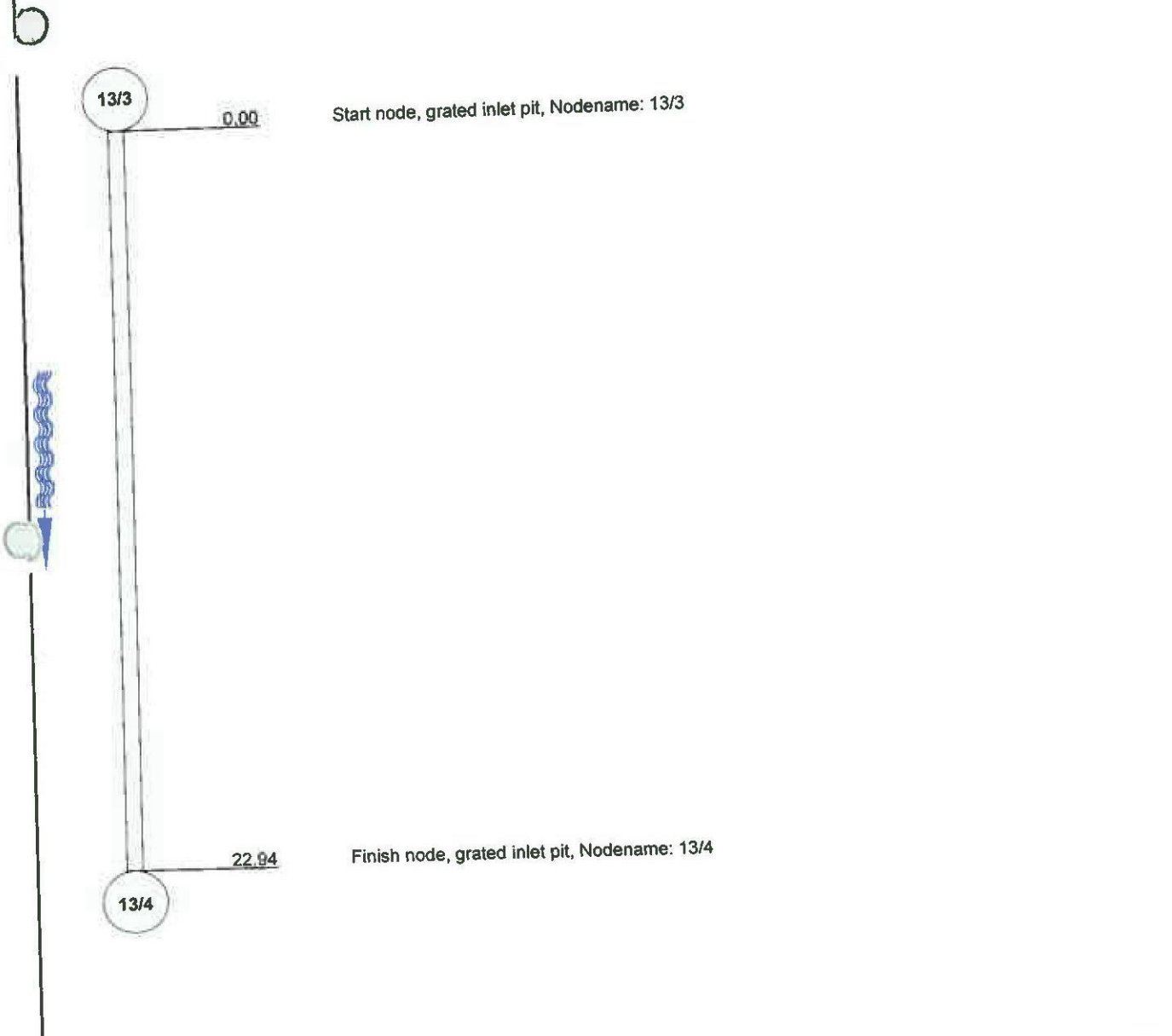
Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>49</b>	Pipe Asset Id: <b>13/3 TO 13/4</b>
Time of inspection: <b>10:16:21</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 3</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control <b>No measures</b>	US MH: <b>13/3</b> Survey Dir: <b>downstream</b> DS MH: <b>13/4</b> Inspect Lenght : <b>22.94 m</b>
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Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>375 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>
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Remarks :

**1:195 Position Observation**



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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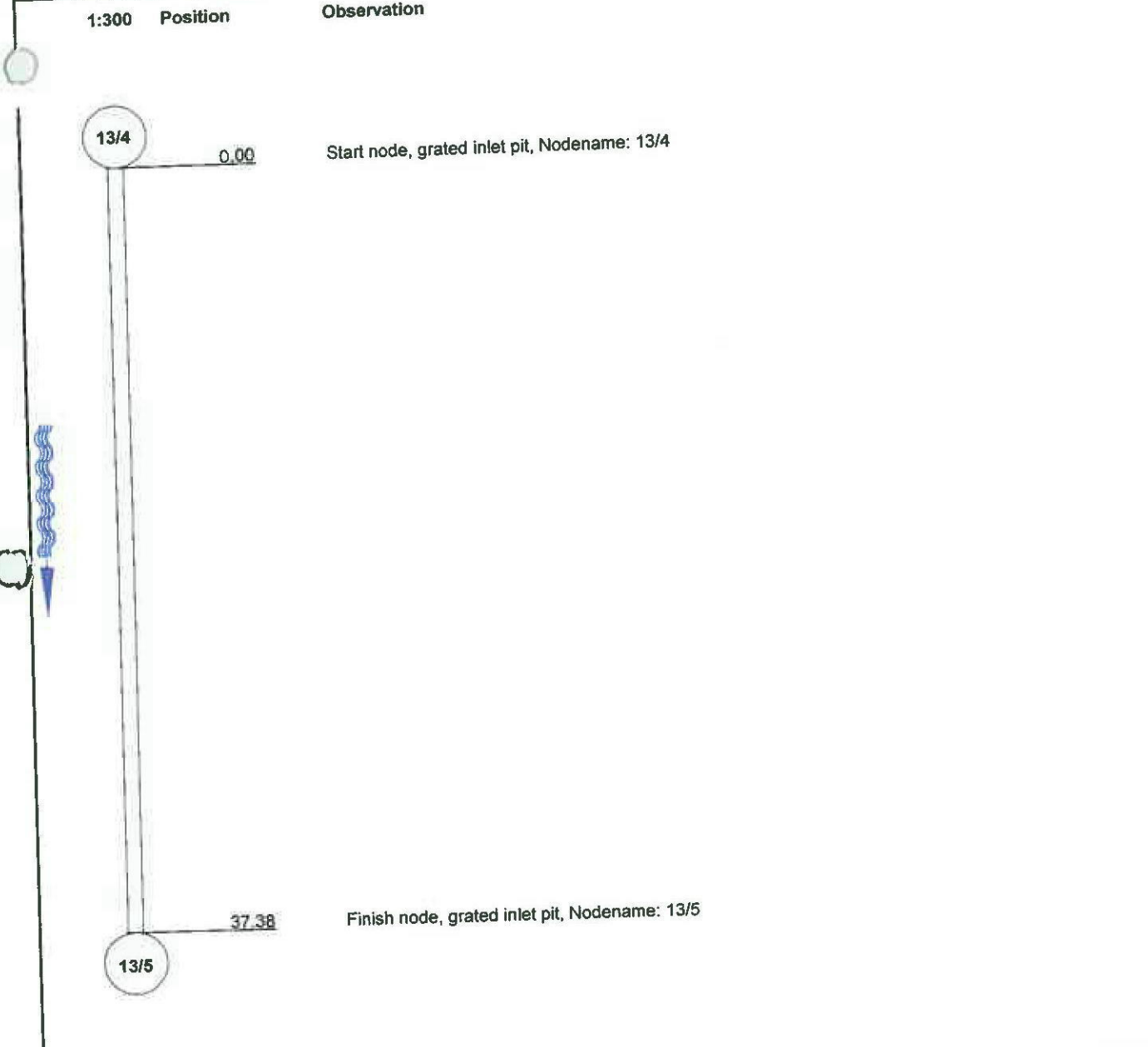
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>50</b>	Pipe Asset Id: <b>13/4 TO 13/5</b>
Time of inspection: <b>10:19:08</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: Street: Asset Location	<b>JORDAN SPRINGS ROAD 3</b>	Catchment: Asset Owner: Precipitation.: Flow control	<b>JK WILLIAMS No measures</b>	US MH: Survey Dir: DS MH: Inspect Length :	<b>13/4 downstream 13/5 37.38 m</b>
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	<b>New Construction Drain Storm water drain</b>	Shape : Dia/Height: Lining: Pipe Material:	<b>Circular 375 mm Fibre reinforced cement</b>
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Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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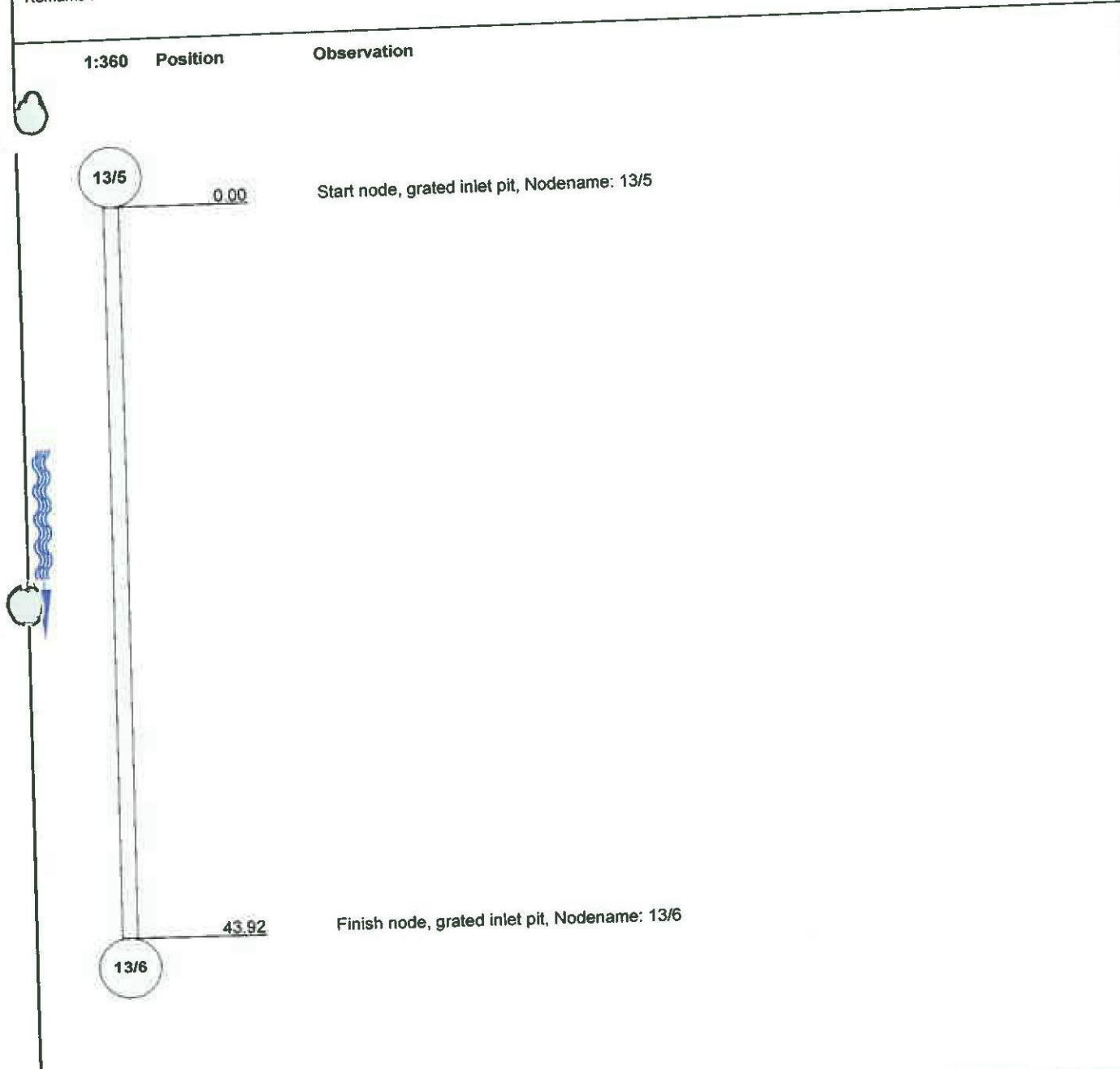


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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

## WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 51	Pipe Asset Id: 13/5 TO 13/6
Time of inspection: 10:22:48	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 3</b> Asset Location	Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>13/5</b> Survey Dir: <b>downstream</b> DS MH: <b>13/6</b> Inspect Lenght : <b>43.92 m</b>
Purpose of inspection : <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:	Shape : <b>Circular</b> Dia/Height: <b>375 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>	
Remarks :		



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	1	0	0	0	0	1





Total Drain Cleaning  
 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

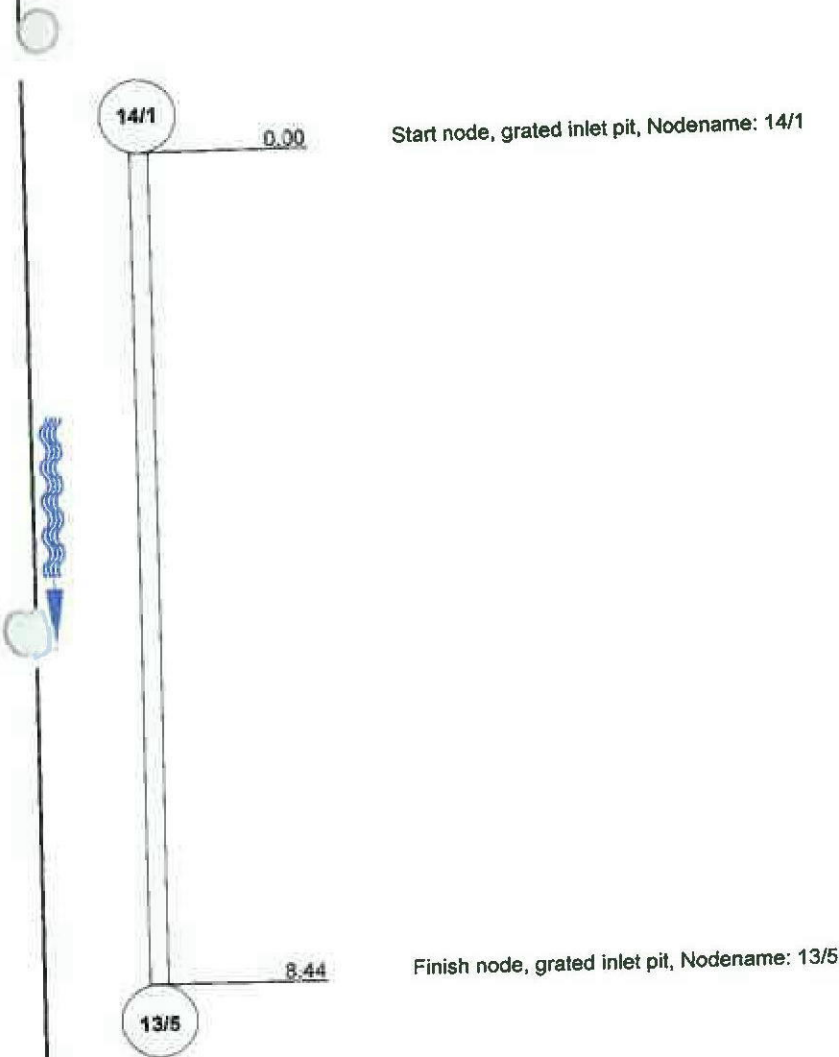
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 52	Pipe Asset Id: TOM 13/5
Time of inspection: 10:39:02	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: JORDAN SPRINGS Street: ROAD 3 Asset Location	Catchment: Asset Owner: JK WILLIAMS Precipitation.: Flow control: No measures	US MH: 14/1 Survey Dir: downstream DS MH: 13/5 Inspect Length: 8.44 m
Purpose of inspection : New Construction Use of Conduit: Drain Type of Conduit: Storm water drain Lining Method:	Shape : Circular Dia/Height: 375 mm Lining: Pipe Material: Fibre reinforced cement	

Remarks :

1:75 Position Observation



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickm@totaldraincleaning.com.au

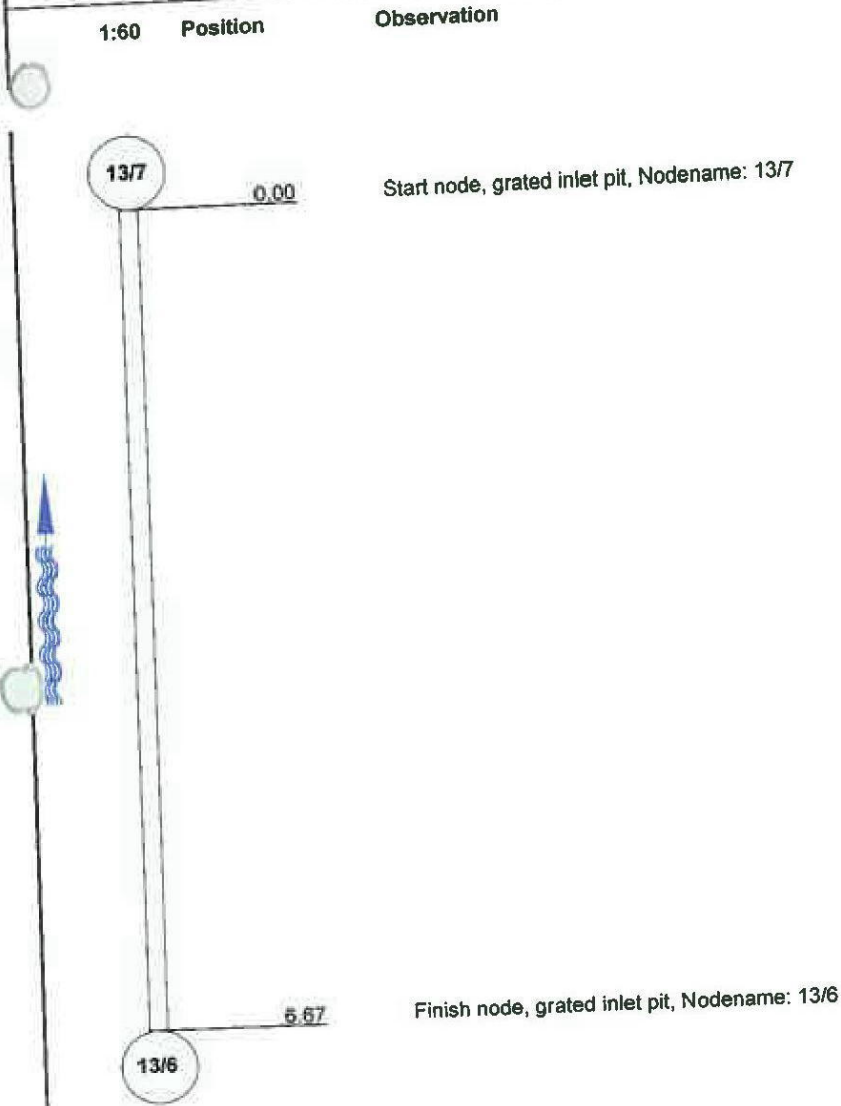
### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>53</b>	Pipe Asset Id: <b>13/7 TO 13/6</b>
Time of inspection: <b>11:12:38</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>13/6</b>
Suburb: <b>ROAD 3</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>upstream</b>
Street: <b>ROAD 3</b>	Precipitation.: <b>No measures</b>	DS MH: <b>13/7</b>
Asset Location	Flow control: <b>No measures</b>	Inspect Length : <b>6.67 m</b>

Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>
Use of Conduit: <b>Drain</b>	Dia/Height: <b>375 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>

Remarks :



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	1	0	0	0	0	1



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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
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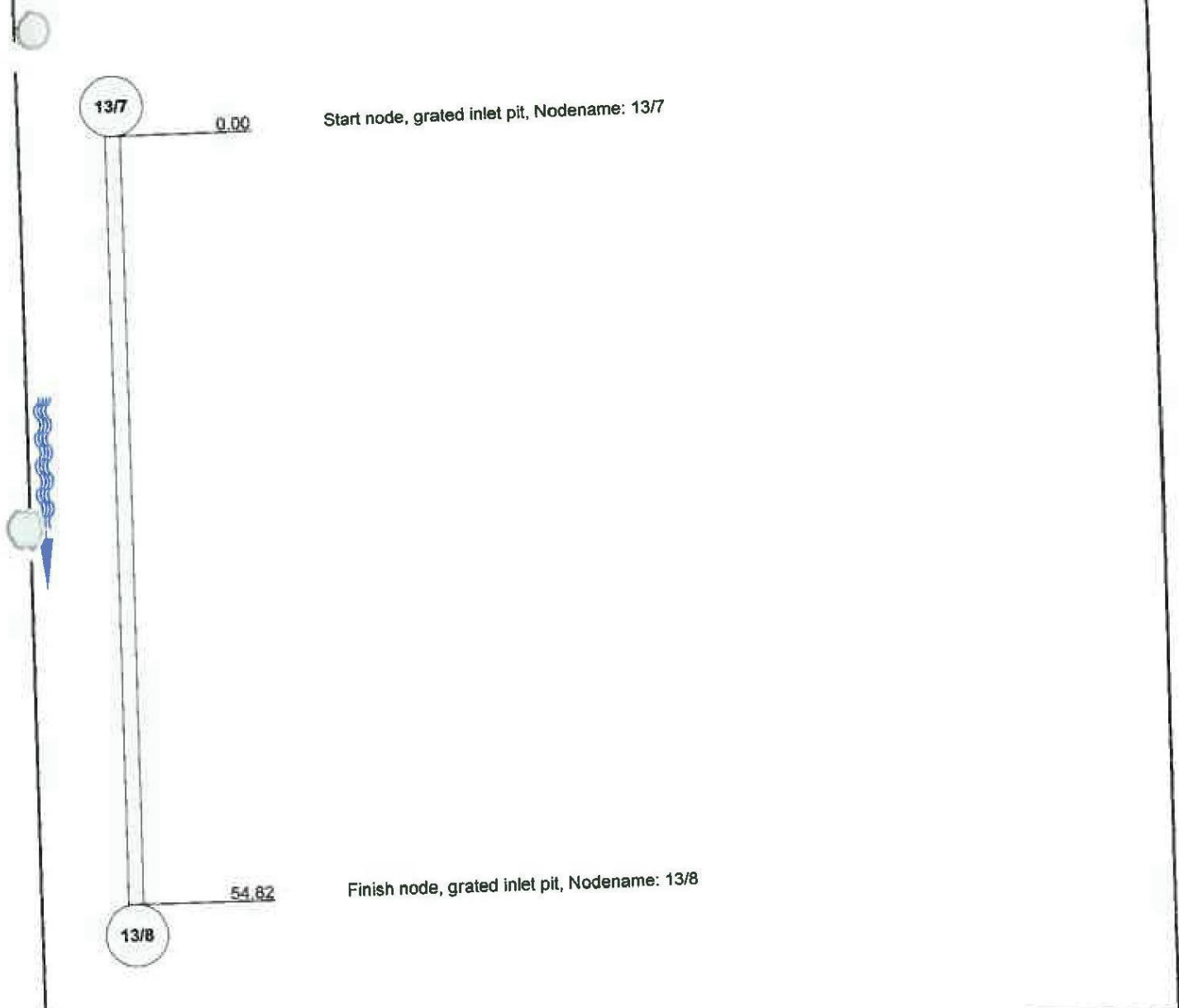
## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator: <b>M CROCKER</b>	Section number: <b>54</b>	Pipe Asset Id: <b>13/7 TO 13/8</b>
Time of inspection: <b>11:15:36</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: <b>JORDAN SPRINGS</b>	Catchment: <b>JK WILLIAMS</b>	US MH: <b>13/7</b>
Suburb: <b>JORDAN SPRINGS</b>	Asset Owner: <b>JK WILLIAMS</b>	Survey Dir: <b>downstream</b>
Street: <b>ROAD 3</b>	Precipitation.: <b>No measures</b>	DS MH: <b>13/8</b>
Asset Location	Flow control <b>No measures</b>	Inspect Length : <b>54.82 m</b>
Purpose of inspection : <b>New Construction</b>	Shape : <b>Circular</b>	
Use of Conduit: <b>Drain</b>	Dia/Height: <b>450 mm</b>	
Type of Conduit: <b>Storm water drain</b>	Lining: <b>Fibre reinforced cement</b>	
Lining Method:	Pipe Material: <b>Fibre reinforced cement</b>	

Remarks :

**1:435 Position Observation**



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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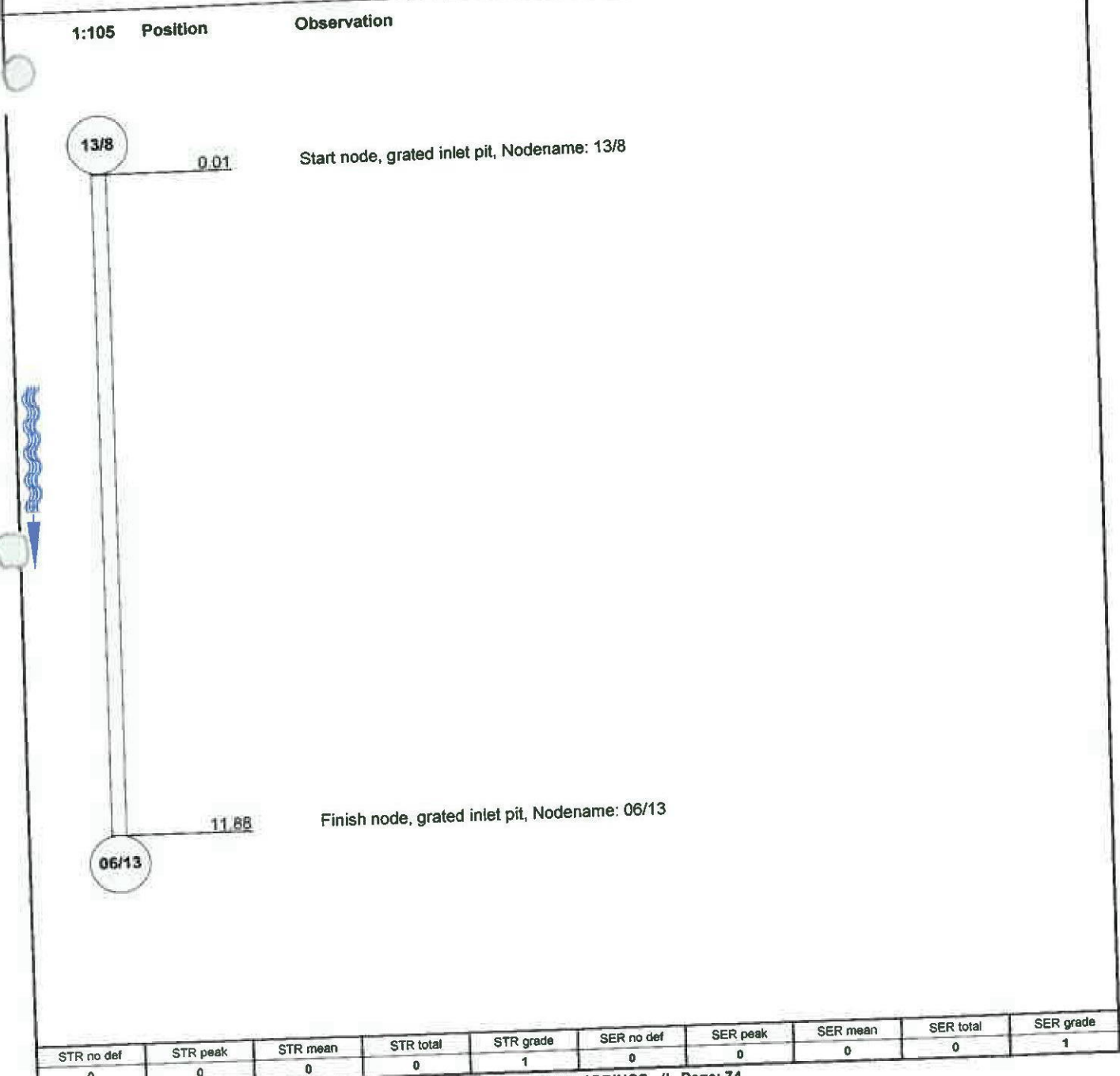




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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax 02 9620 1987  
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## WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>55</b>	Pipe Asset Id: <b>13/8 TO 06/13</b>
Time of inspection: <b>11:24:32</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>
Town: Suburb: <b>JORDAN SPRINGS</b> Street: <b>ROAD 3</b> Asset Location			Catchment: Asset Owner: <b>JK WILLIAMS</b> Precipitation.: Flow control: <b>No measures</b>	US MH: <b>13/8</b> Survey Dir: <b>downstream</b> DS MH: <b>06/13</b> Inspect Length: <b>11.88 m</b>	
Purpose of inspection: <b>New Construction</b> Use of Conduit: <b>Drain</b> Type of Conduit: <b>Storm water drain</b> Lining Method:			Shape: <b>Circular</b> Dia/Height: <b>525 mm</b> Lining: Pipe Material: <b>Fibre reinforced cement</b>		
Remarks :					



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	1	0	0	0	0	1



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 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessine@totaldraincleaning.com.au

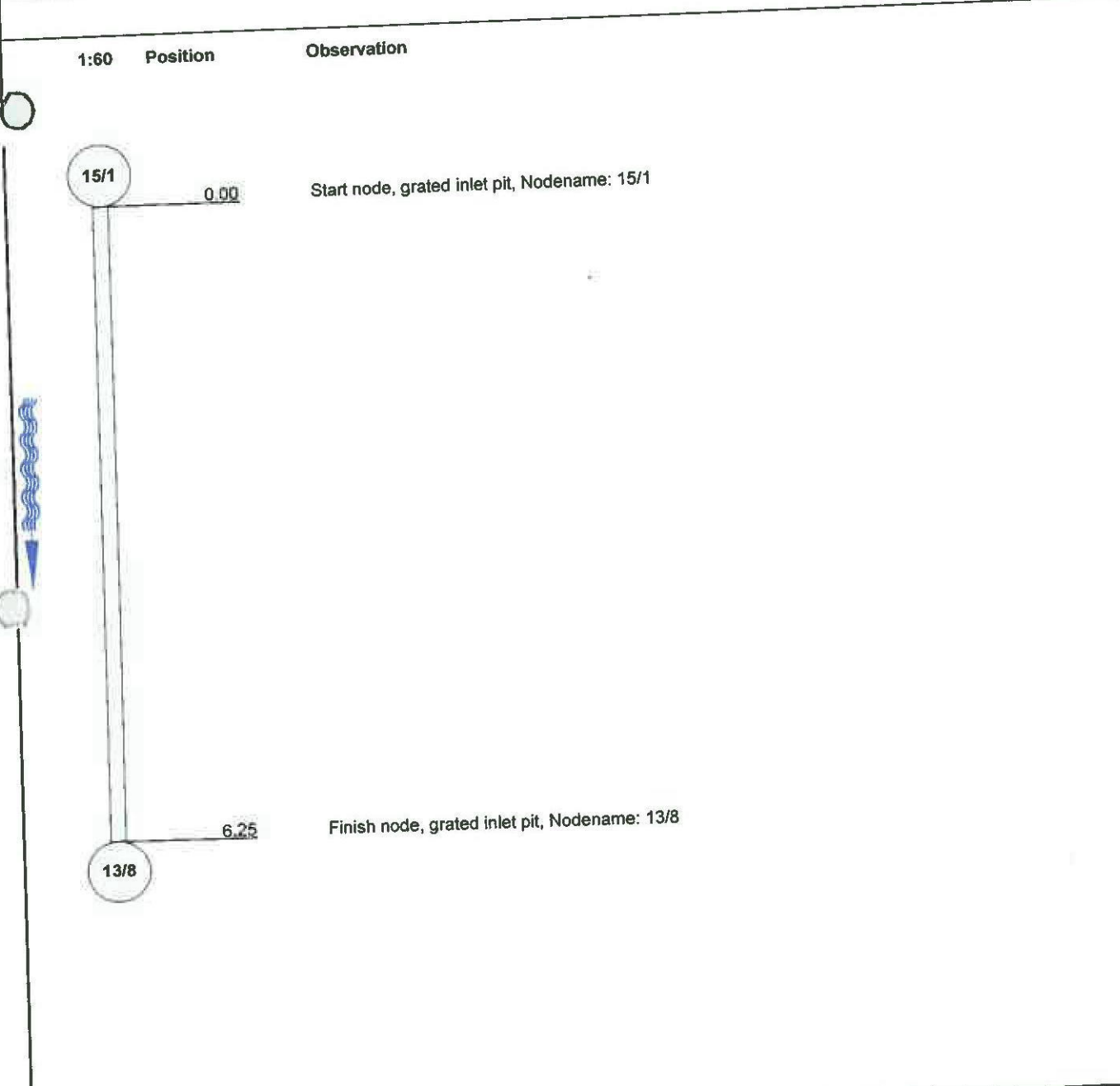
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 56	Pipe Asset Id: 15/1 TO 13/8
Time of inspection: 11:53:41	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town:	Catchment:	US MH:	15/1
Suburb: JORDAN SPRINGS	Asset Owner: JK WILLIAMS	Survey Dir: downstream	
Street: ROAD 3	Precipitation.: No measures	DS MH: 13/8	
Asset Location	Flow control	Inspect Length: 6.25 m	

Purpose of inspection: New Construction	Shape: Circular
Use of Conduit: Drain	Dia/Height: 375 mm
Type of Conduit: Storm water drain	Lining: Fibre reinforced cement
Lining Method:	Pipe Material: Fibre reinforced cement

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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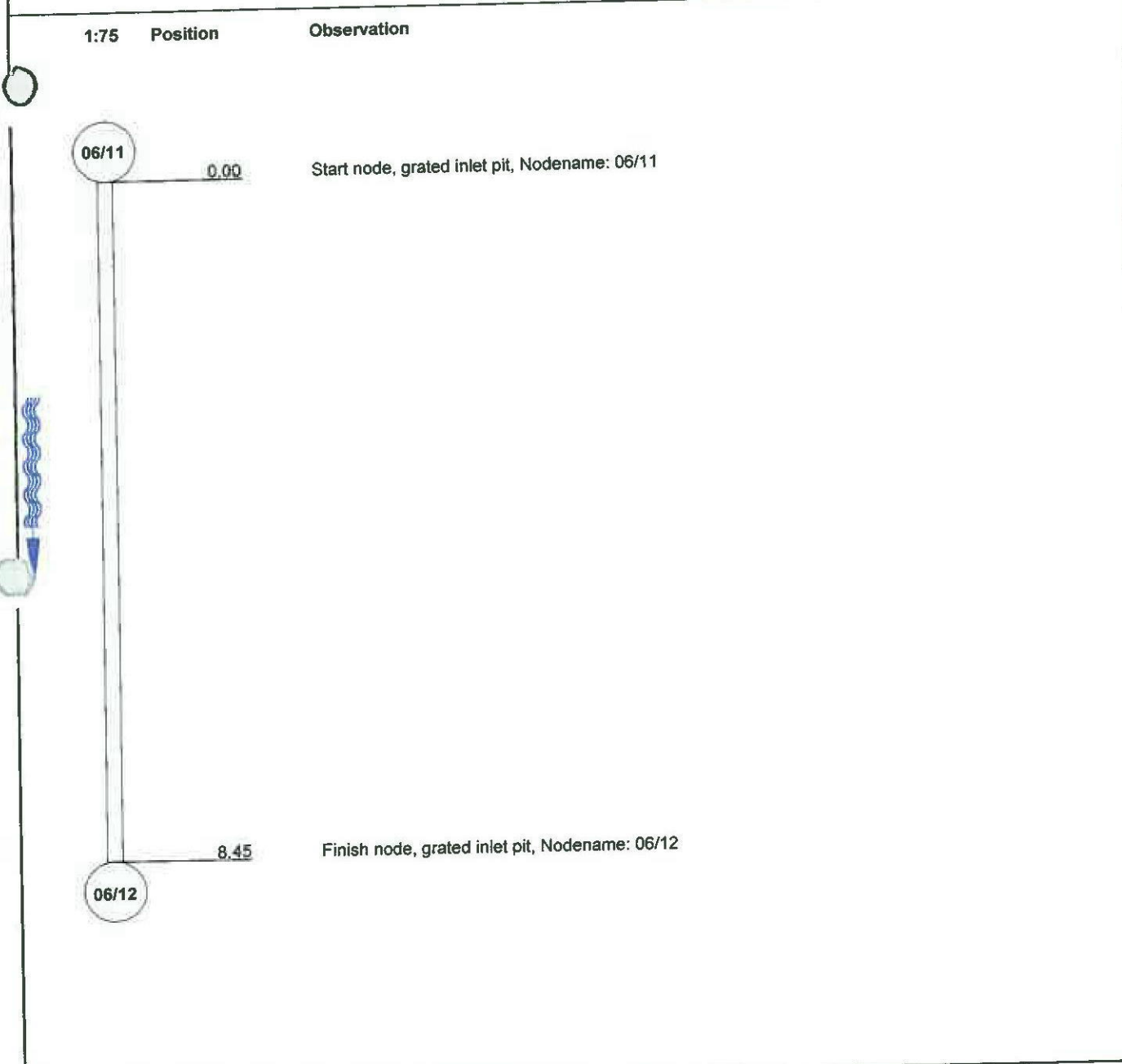
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 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

### WSA assessment

Date: <b>26/08/2013</b>	Asset owner's job ref.:	Asset Owner: <b>JK WILLIAMS</b>	Operator : <b>M CROCKER</b>	Section number: <b>57</b>	Pipe Asset Id: <b>06/11 TO 06/12</b>
Time of inspection: <b>12:22:08</b>	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Ins</b>	Conduit Unit Length	Method of Inspection <b>Television Camera</b>

Town: Suburb: Street: Asset Location	<b>JORDAN SPRINGS ROAD 1</b>	Catchment: Asset Owner: Precipitation.: Flow control	<b>JK WILLIAMS No measures</b>	US MH: Survey Dir: DS MH: Inspect Length :	<b>06/11 downstream 06/12 8.45 m</b>
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	<b>New Construction Drain Storm water drain</b>	Shape : Dia/Height: Lining: Pipe Material:	<b>Circular 750 mm Fibre reinforced cement</b>		

Remarks :



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	1	0	0	0	0	1





Total Drain Cleaning  
 PO BOX 1356  
 Green Valley NSW 2168  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1981 Fax: 02 9620 1987  
 nickmessina@totaldraincleaning.com.au

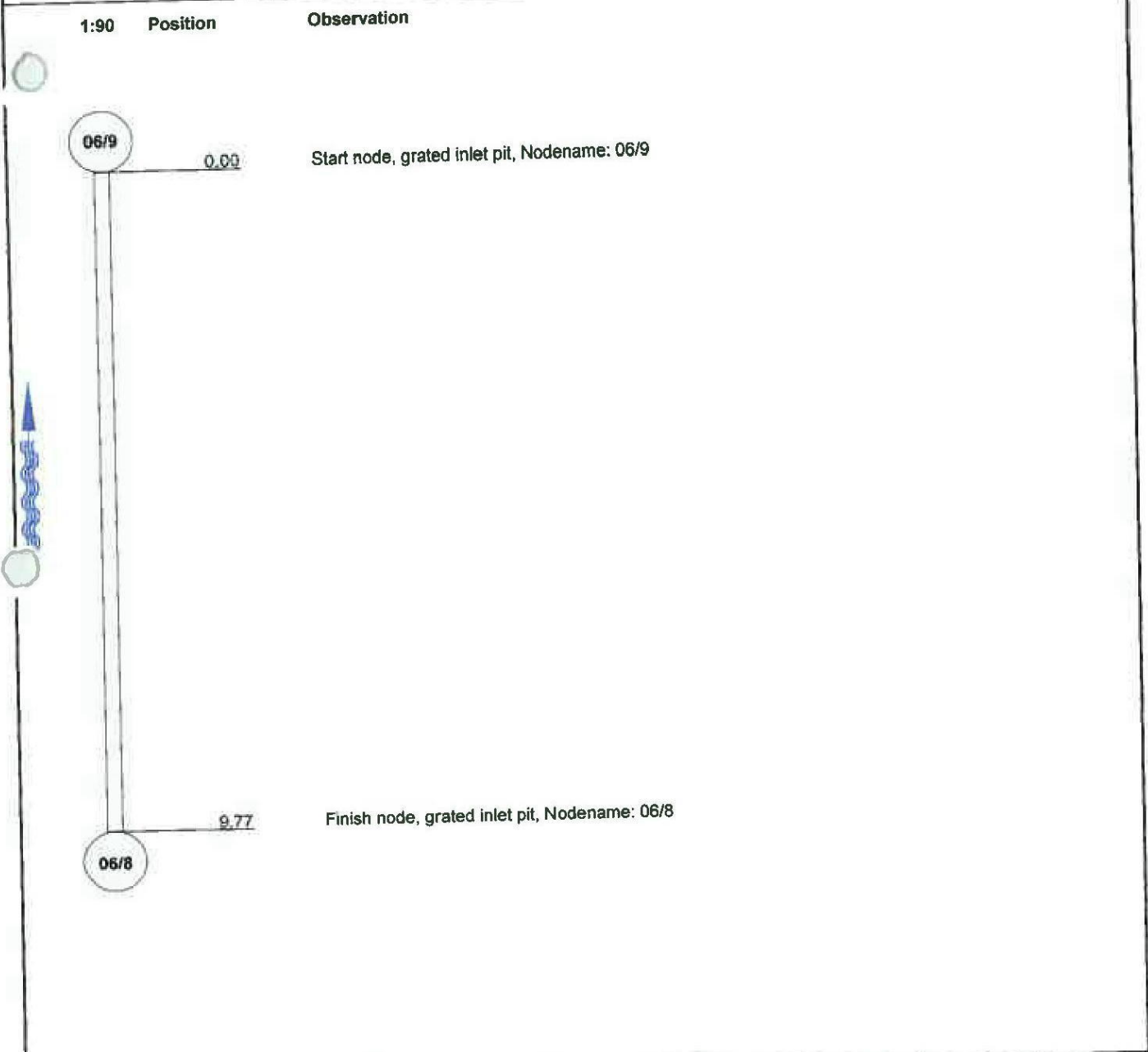
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 58	Pipe Asset Id: 06/9 TO 06/8
Time of inspection: 12:43:35	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	06/8 upstream 06/9 9.77 m
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Purpose of inspection:	New Construction	Shape :	Circular
Use of Conduit:	Drain	Dia/Height:	600 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Fibre reinforced cement

Remarks :



STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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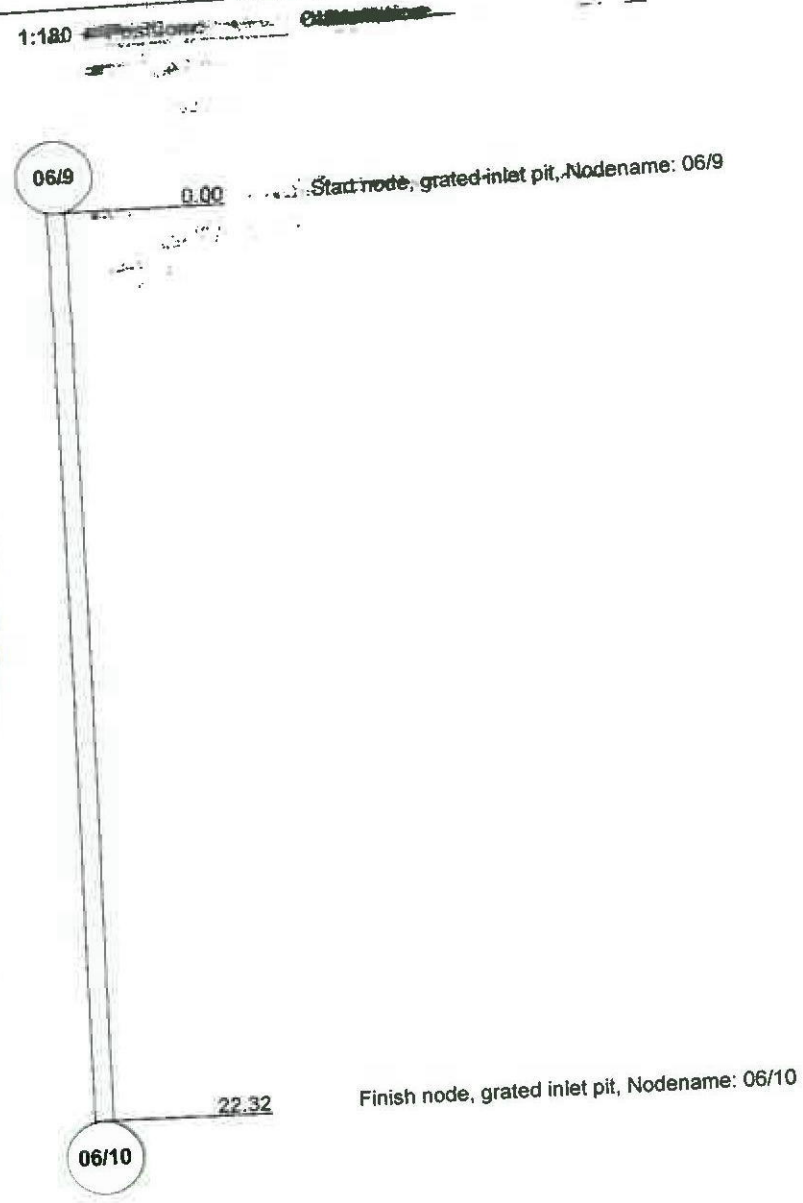
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## WSA assessment

Date: 26/08/2013	Asset owner's job ref :	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 59	Pipe Asset Id: 06/9 TO 06/10
Time of inspection: 12:47:01	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 4	Catchment: Asset Owner: JK WILLIAMS Precipitation: Flow control	No measures	US MH: Survey Dir: DS MH: Inspect Length :	06/9 downstream 06/10 22.32 m
Purpose of inspection: Use of Conduit: Type of Conduit: Lining method:	New-Construction Drain Storm water drain	Shape: Dia/Height: Lining: Pipe Material:		Circular 675 mm	Fibre reinforced cement

Remarks :



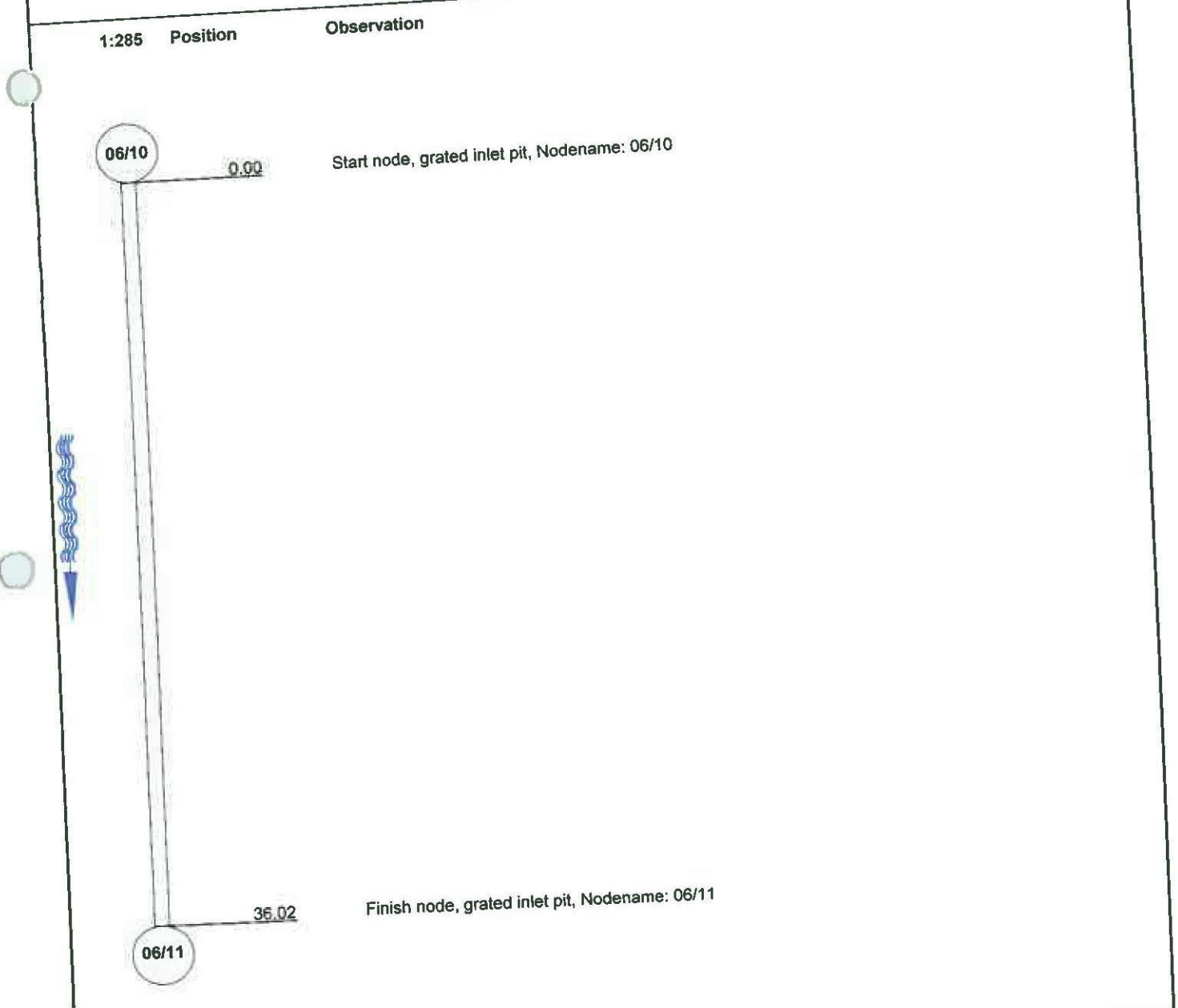
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### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 60	Pipe Asset Id: 06/10 06/11
Time of inspection: 14:52:24	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera
Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	06/10 downstream 06/11 36.02 m
Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 750 mm Fibre reinforced cement	Remarks :	



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	1	0	0	0	0	1





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## WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator: M CROCKER	Section number: 61	Pipe Asset Id: 01/2 to 01/1
Time of inspection: 15:26:01	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	01/1 upstream 01/2 11.66 m
Purpose of inspection :	New Construction	Shape :	Circular		
Use of Conduit:	Drain	Dia/Height:	375 mm		
Type of Conduit:	Storm water drain	Lining:			
Lining Method:		Pipe Material:	Fibre reinforced cement		

Remarks :

1:105    Position    Observation

01/2    0.00    Start node, grated inlet pit, Nodename: 01/2



11.66    Finish node, grated inlet pit, Nodename: 01/1

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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 Green Valley NSW 2168  
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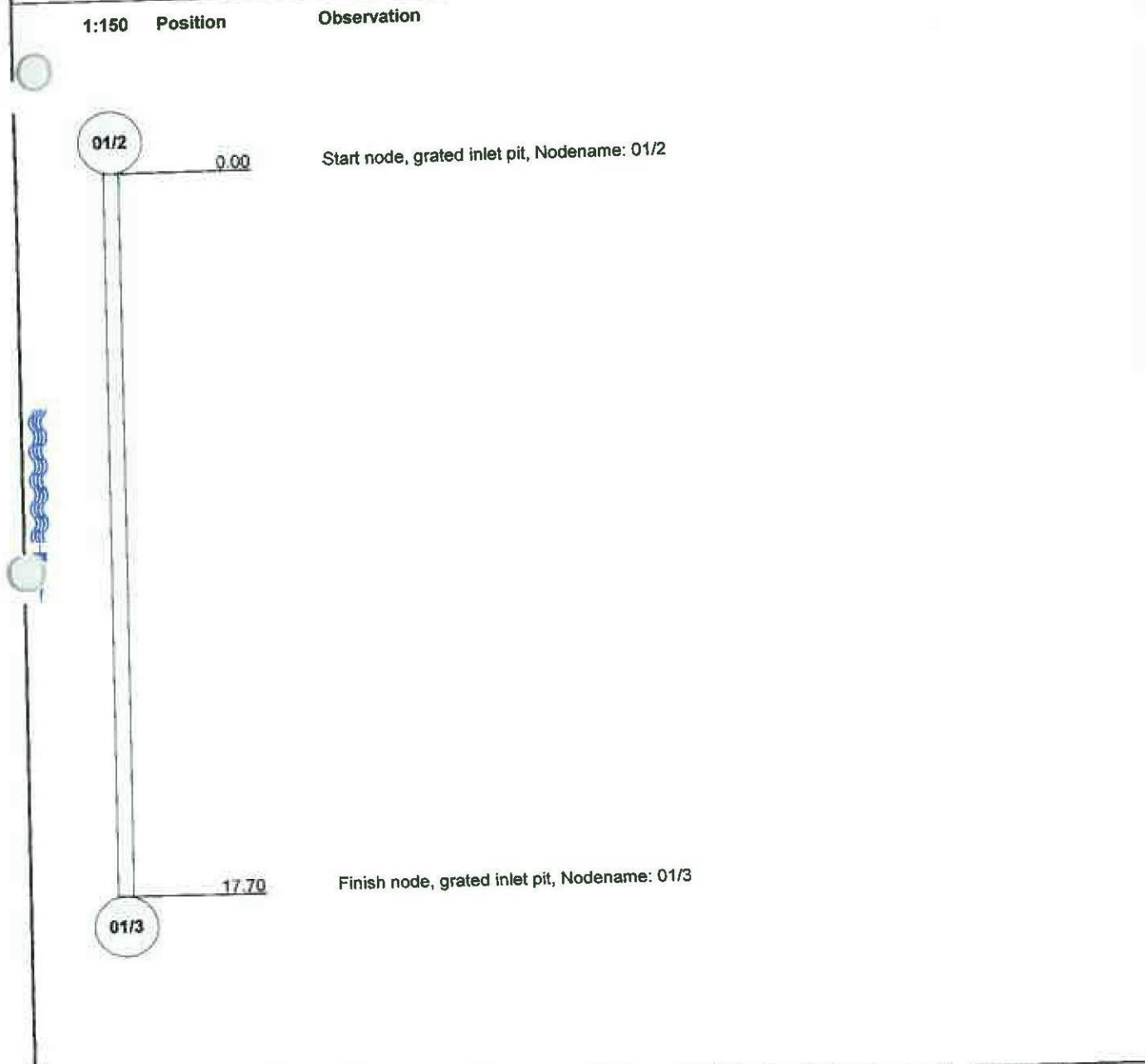
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 62	Pipe Asset Id: 01/2 to 01/3
Time of inspection: 16:10:48	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 1	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	01/2 downstream 01/3 17.70 m
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Purpose of inspection : Use of Conduit: Type of Conduit: Lining Method:	New Construction Drain Storm water drain	Shape : Dia/Height: Lining: Pipe Material:	Circular 375 mm Fibre reinforced cement
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Remarks :



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	1	0	0	0	0	1



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 Green Valley NSW 2168  
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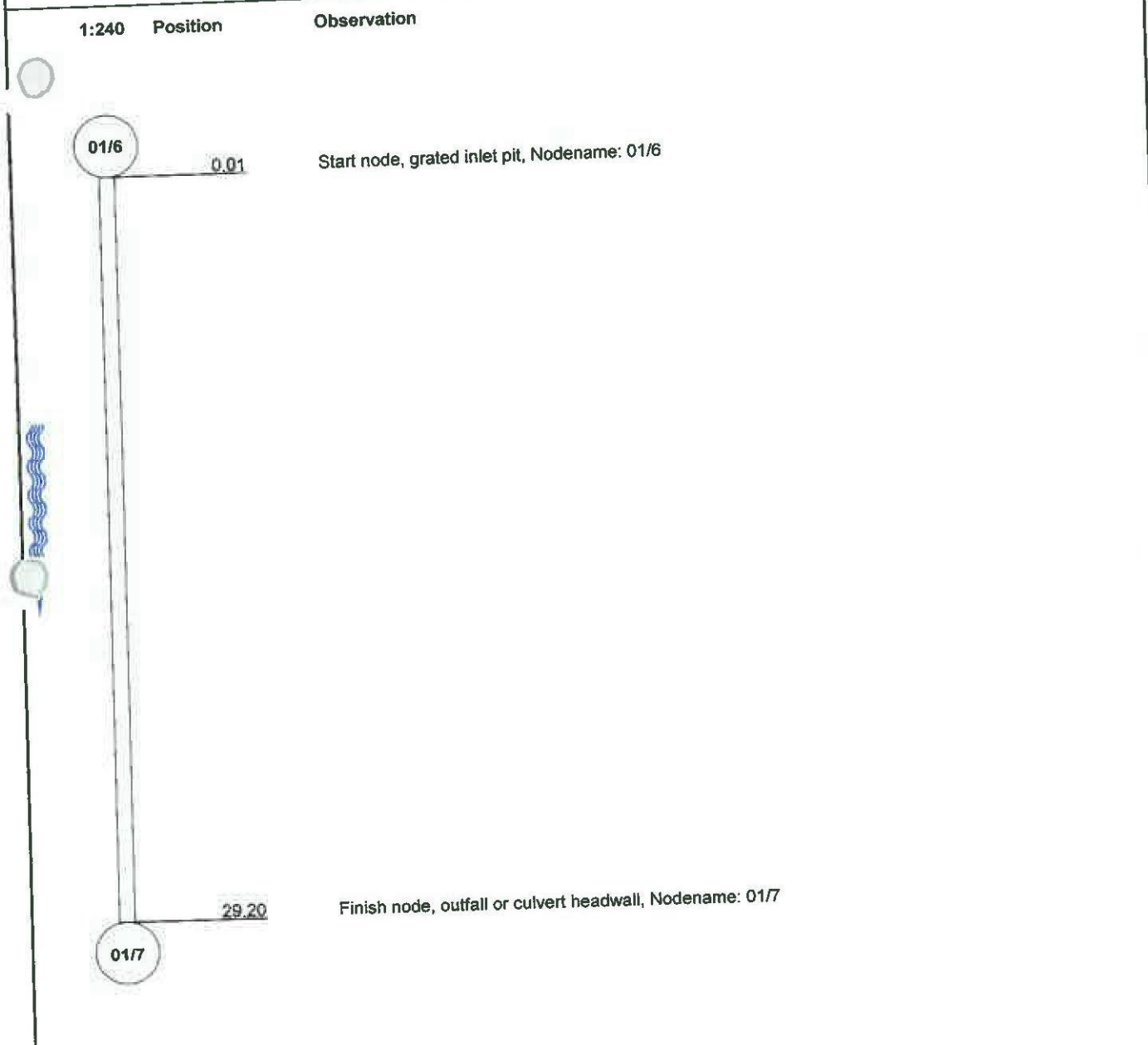
### WSA assessment

Date: 26/08/2013	Asset owner's job ref.:	Asset Owner: JK WILLIAMS	Operator : M CROCKER	Section number: 63	Pipe Asset Id: 01/6 to 01/7
Time of inspection: 16:40:38	Cleaning: cleaned	Standard: WSA 05-2008 2.2	LRP Ins	Conduit Unit Length	Method of Inspection Television Camera

Town: Suburb: Street: Asset Location	JORDAN SPRINGS ROAD 21	Catchment: Asset Owner: Precipitation.: Flow control	JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length :	01/6 downstream 01/7 29.20 m
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Purpose of inspection :	New Construction	Shape :	Circular
Use of Conduit:	Drain	Dia/Height:	450 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Fibre reinforced cement

Remarks :



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	1	0	0	0	0	1





Tel:  
Website:  
Email:

### ΣØ / Main sections

Project name <b>JK Williams - Jordan Springs Village</b>	Project Number:	Responsible:	Date: <b>22/08/2013</b>
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No.	US MH	DS MH	Date	Location/Street	Tape No.	Material	m	(m)
2	02/1	01/4	30/08/2013	Road 21		Fibre reinforced cement	10.10	10.10

Pipe size: 375 = 10.1 m (10.1 m)

No.	US MH	DS MH	Date	Location/Street	Tape No.	Material	m	(m)
1	06/15	18/9	30/08/2013	Road 1		Concrete pipe	17.96	17.96

Pipe size: 900 = 17.96 m (17.96 m)

All sections = 28.06 m (28.06 m)



## WSA assessment

Date: <b>30/08/2013</b>	Project	Client <b>J.K Williams</b>	Operator : <b>Glen Johnston</b>	Section number: <b>1</b>	Pipe Asset Id: <b>06/15-18/9</b>
	Cleaning: <b>cleaned</b>	Standard: <b>WSA 05-2008 2.2</b>	LRP <b>Pipeline inside Start Nod</b>	US Depth	DS Depth

Town: Suburb: <b>Cranebrook</b> Street: <b>Road 1</b> Asset Location	Catchment: Client: <b>J.K Williams</b> Precipitation.: <b>No</b> Flow control	US MH: <b>06/15</b> Survey Dir: <b>upstream</b> DS MH: <b>18/9</b> Inspect Length : <b>17.96 m</b>
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Purpose of inspection : <b>New Construction</b>	Shape :
Use of Conduit: <b>Drain</b>	Dia/Height: <b>900 mm</b>
Type of Conduit: <b>Storm water drain</b>	Lining:
Lining Method:	Pipe Material: <b>Concrete pipe</b>

Remarks :

1:500	Position	Observation	Photo
		<p>Start node, grated inlet pit, Nodename: 18/9</p> <p>Finish node, grated inlet pit, Nodename: 06/15</p>	

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
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Total Drain Cleaning  
 PO BOX 1358  
 Green Valley NSW 2158  
 www.totaldraincleaning.com.au  
 Tel: 02 9620 1961 Fax: 02 9620 1967  
 nickmessina@totaldraincleaning.com.au

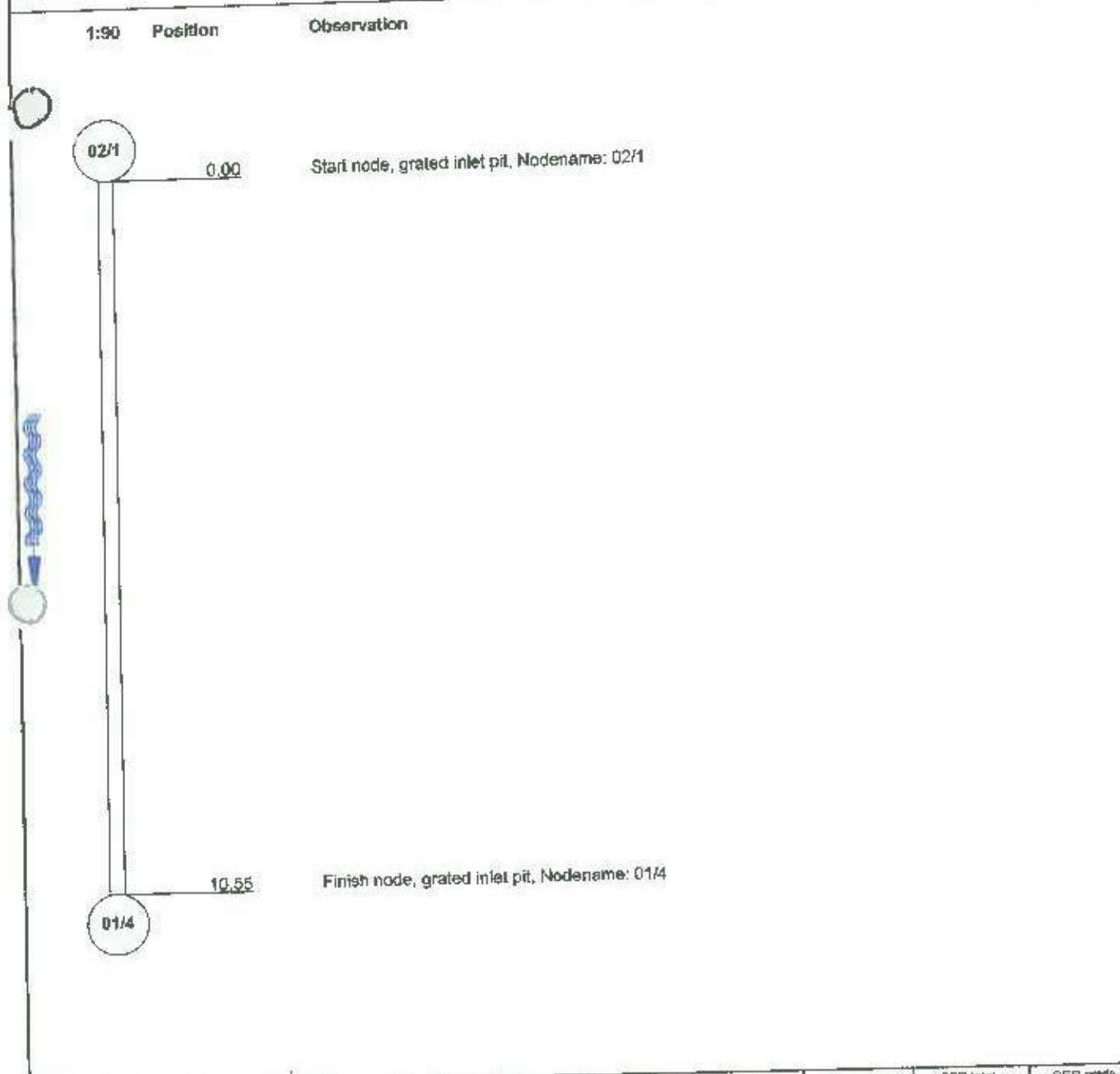
### WSA assessment

Date: 2/09/2013	Asset owner's job ref.	Asset Owner: JK WILLIAMS	Operator: m crocker	Section number: 1	Pipe Asset Id: 02/1 to 01/4
Time of inspection: 14:45:10	Cleaning: cleaned	Standard:	LRP	Conduit Unit Length	Method of Inspection

Town: Suburb: Street: Asset Location	Jordan springs road 21	Catchment: Asset Owner: Precipitation: Flow control	JK WILLIAMS JK WILLIAMS No measures	US MH: Survey Dir: DS MH: Inspect Length:	02/1 downstream 01/4 10.55 m
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Purpose of Inspection:	New Construction	Shape:	Circular
Use of Conduit:	Drain	Dia/Height:	375 mm
Type of Conduit:	Storm water drain	Lining:	
Lining Method:		Pipe Material:	Fibra reinforced cement

Remarks :



GTR 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	1	0	0	0	0	1