

Structural Defects (SRM 4)

Project name :
60 Keymer Rd, Hassocks

Project Number :

Contact :

Date :
16/05/2021

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	IC2parking area	U	F	C 150/150	16/05/2021	VC	12.70	12.70	-	0	1	0	0
2	FWG1internal area	U	F	C 100/100	16/05/2021	VC	4.10	4.10	1	0	1	0	0
3	IC1Parking area	D	F	C 150/150	16/05/2021	VC	1.70	1.70	3	40	3	23.53	40
4	RG1parking area	U	S	C 100/100	16/05/2021	PF	4.90	4.90	-	0	1	0	0
5	SW1parking area	D	S	C 100/100	16/05/2021	PF	20.70	20.70	-	0	1	0	0
6	SW2side area	D	S	C 150/150	16/05/2021	VC	3.30	3.30	-	0	1	0	0
7	SW3parking area	D	S	C 150/150	16/05/2021	PF	14.70	14.70	5	165	5	22.45	330
8	SW4side access	D	S	C 150/150	16/05/2021	PF	12.30	12.30	5	165	5	53.66	660
9	RWP1internal area	U	S	C 150/150	16/05/2021	VC	6.50	6.50	4	165	5	27.08	176
10	SW5internal area	D	S	C 150/150	16/05/2021	VC	11.00	11.00	-	0	1	0	0

Project-information

Project name :
60 Keymer Rd, Hassocks

Project Number :

Contact :

Date :
16/05/2021

Client:
Contact Name:
Department:
Road:
Town:
County:
Telephone:
Fax:
Mobile:
E-mail:

Site: **60 Keymer Road**
Contact Name: **Andy Keen**
Department: **HOP Consultants**
Road: **Keymer Road**
Town: **Hassocks**
County: **West Sussex**
Telephone:
Fax:
Mobile:
E-mail:

Contractor **Aquatech Drains Ltd**
Contact Name: **Jason Scrase**
Department:
Road: **Solway Ave**
Town: **Brighton**
County: **East Sussex**
Telephone: **01273 933705**
Fax:
Mobile: **07801 023201**
E-mail: **Jason@aquatechdrains.co.uk**

Legend of Drawing:

	WATER FLOW 1		Tree_Winter
	Tree_Summer		CESS PIT
	SOAKAWAY: FOUL WATER		GNDFLWC
	SURFACE WATER		SYPHON INTERCEPTOR
	PETROL INTERCEPTOR		PIPE RUN
	RAINWATER PIPE		ROAD GULLY
	RODDING EYE		SEPTIC TANK
	SOIL & VENT PIPE		COMBINED
	SOAKAWAY: SURFACE WATER		GULLY
	W.C.		PUMP CH
	FOUL WATER		

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 1	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC1 (U/S) IC2	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
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Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 12.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay
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Comment : **internal buried IC2**

1:105 Position Observation

	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">0.00</td> <td style="width: 10%;"></td> <td style="width: 80%;">Start node type, manhole, reference number : IC1</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>Water level, 0% of the vertical dimension</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>General photograph taken at this point</td> </tr> <tr> <td style="text-align: right;">0.00</td> <td></td> <td>General photograph taken at this point</td> </tr> <tr> <td style="text-align: right;">3.10</td> <td></td> <td>Attached deposits, other, from 5 to 7 o'clock, 15% cross-sectional area loss</td> </tr> <tr> <td style="text-align: right;">9.00</td> <td></td> <td>Attached deposits, other at joint, from 5 to 7 o'clock, 20% cross-sectional area loss</td> </tr> <tr> <td style="text-align: right;">9.20</td> <td></td> <td>Water level, 20% of the vertical dimension</td> </tr> <tr> <td style="text-align: right;">12.70</td> <td></td> <td>Finish node type, manhole reference number: IC2</td> </tr> </table>	0.00		Start node type, manhole, reference number : IC1	0.00		Water level, 0% of the vertical dimension	0.00		General photograph taken at this point	0.00		General photograph taken at this point	3.10		Attached deposits, other, from 5 to 7 o'clock, 15% cross-sectional area loss	9.00		Attached deposits, other at joint, from 5 to 7 o'clock, 20% cross-sectional area loss	9.20		Water level, 20% of the vertical dimension	12.70		Finish node type, manhole reference number: IC2	<p style="text-align: center;">0 m</p> <p style="text-align: center;">0 m</p> <p style="text-align: center;">0 m</p> <p style="text-align: center;">3.1 m</p>
0.00		Start node type, manhole, reference number : IC1																								
0.00		Water level, 0% of the vertical dimension																								
0.00		General photograph taken at this point																								
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9.20		Water level, 20% of the vertical dimension																								
12.70		Finish node type, manhole reference number: IC2																								

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	1	2	0.16	2	3

Place :

Aquatech Drains Ltd

Solway Ave

Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_1_A.jpg
0m, Start node type, manhole, reference number : IC1



Photo: 1_1_3_A.jpg
0m, Water level, 0% of the vertical dimension

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_4_A.jpg
0m, General photograph taken at this point



Photo: 1_1_5_A.jpg
0m, General photograph taken at this point

Inspection picturesPlace :
HassocksRoad :
Keymer RdDate :
16/05/2021Section number :
1PLR Suffix :
parking area

Photo: 1_1_6_A.jpg

3.1m, Attached deposits, other, from 5 to 7 o'clock, 15% cross-sectional area loss



Photo: 1_1_7_A.jpg

9m, Attached deposits, other at joint, from 5 to 7 o'clock, 20% cross-sectional area loss

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
1

PLR Suffix :
parking area



Photo: 1_1_9_A.jpg
12.7m, Finish node type, manhole reference number: IC2

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 2	PLR SUFFIX: internal area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC2 (U/S) FWG1	Location details: Catchment: Tape number : Pipe Length	U/S MH : FWG1 U/S Depth : D/S MH : IC2 D/S Depth :
Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 4.10 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Vitrified clay Vitrified clay

Comment :

1:50	Position	Observation	
		Start node type, manhole, reference number : IC2	<p style="text-align: center;">0 m</p>
	0.00	Water level, 0% of the vertical dimension	
	0.50	Line deviates right	<p style="text-align: center;">0.5 m</p>
	3.30	Line deviates right	<p style="text-align: center;">3.3 m</p>
	3.90	Joint displaced, medium	<p style="text-align: center;">3.9 m</p>
	4.10	Finish node type, manhole reference number: FWG1	<p style="text-align: center;">4.1 m</p>

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

Place :

Aquatech Drains Ltd

Solway Ave

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Tel: 01273 933705

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area



Photo: 3_3_11_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 3_3_12_A.jpg
0.5m, Line deviates right

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area



Photo: 3_3_13_A.jpg
3.3m, Line deviates right



Photo: 3_3_15_A.jpg
3.9m, Joint displaced, medium

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
2

PLR Suffix :
internal area



Photo: 3_3_14_A.jpg

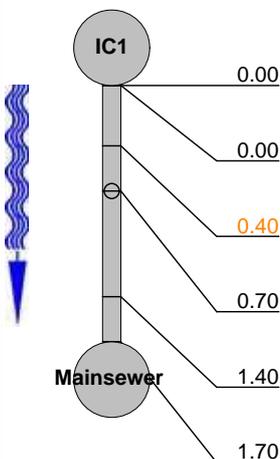
4.1m, Finish node type, manhole reference number: FWG1

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 3	PLR SUFFIX: Parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings IC1 (D/S) Mainsewer	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :	IC1 Mainsewer
Use: Year laid : Purpose : Total length :	Foul 1950 Sample survey to determine asset condition 1.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 150 mm Vitrified clay Vitrified clay	

Comment :

1:50	Position	Observation							
		Start node type, manhole, reference number : IC1	 <p style="text-align: center;">0 m</p>						
	0.00	Water level, 0% of the vertical dimension							
	0.40	Fracture, circumferential, from 12 to 12 o'clock	 <p style="text-align: center;">0.4 m</p>						
	0.70	Junction, at 12 o'clock, diameter 100mm							
	1.40	Line deviates down	 <p style="text-align: center;">0.7 m</p>						
	1.70	Finish node type, manhole reference number: Mainsewer	 <p style="text-align: center;">1.4 m</p>						
			 <p style="text-align: center;">1.7 m</p>						
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	40	23.53	40	3	0	0	0	0	1

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_17_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 4_4_21_A.jpg
0.4m, Fracture, circumferential, from 12 to 12 o'clock

Place :

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Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_20_A.jpg
0.7m, Junction, at 12 o'clock, diameter 100mm



Photo: 4_4_18_A.jpg
1.4m, Line deviates down

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
3

PLR Suffix :
Parking area



Photo: 4_4_19_A.jpg

1.7m, Finish node type, manhole reference number: Mainsewer

Inspection report

Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 4	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW1 (U/S) RG1	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 4.90 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Pitch fibre Pitch fibre

Comment :

1:50	Position	Observation	
		Start node type, manhole, reference number : SW1	<p style="text-align: center;">0 m</p>
	0.00	Water level, 0% of the vertical dimension	<p style="text-align: center;">0 m</p>
	0.00		
	3.00	Material changes, vitrified clay	<p style="text-align: center;">3 m</p>
	3.70	Junction, at 9 o'clock, diameter 100mm	<p style="text-align: center;">3.7 m</p>
	4.00	Material changes, pitch fibre	<p style="text-align: center;">3.73 m</p>
	4.90	Material changes, vitrified clay	<p style="text-align: center;">4 m</p>
	4.90	Finish node type, manhole reference number: RG1	

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

Place :

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Solway Ave

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_22_A.jpg
0m, Start node type, manhole, reference number : SW1



Photo: 5_5_23_A.jpg
0m, Water level, 0% of the vertical dimension

Place :

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Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_28_A.jpg
3m, Material changes, vitrified clay



Photo: 5_5_26_A.jpg
3.7m, Junction, at 9 o'clock, diameter 100mm

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_27_A.jpg
4m, Material changes, pitch fibre



Photo: 5_5_24_A.jpg
4.9m, Material changes, vitrified clay

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
4

PLR Suffix :
parking area



Photo: 5_5_25_A.jpg

4.9m, Finish node type, manhole reference number: RG1

Inspection report

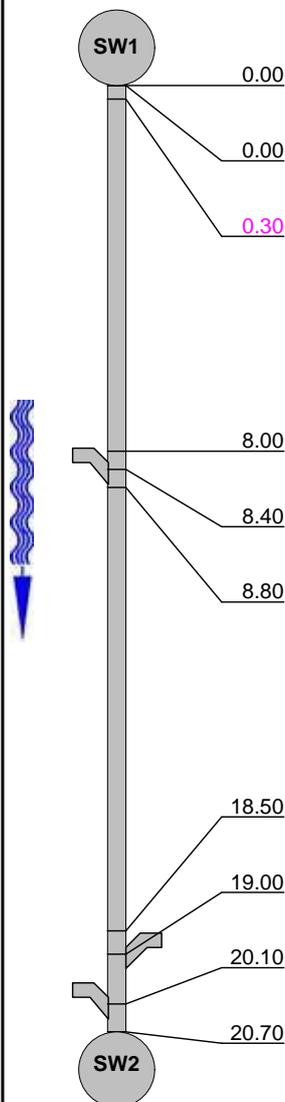
Date : 16/05/2021	Job number :	Weather : rain	Operator : Jason	Section number : 5	PLR SUFFIX: parking area
Weather rain	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Jason

Place : Road : Location Inspection	Hassocks Keymer Rd Property with buildings SW1 (D/S) SW2	Location details: Catchment: Tape number : Pipe Length	U/S MH : U/S Depth : D/S MH : D/S Depth :
Use: Year laid : Purpose : Total length :	Surface water 1950 Sample survey to determine asset condition 20.70 m	Pipe shape : Pipe size : Pipe material : Lining :	Circular 100 mm Pitch fibre Pitch fibre

Comment :

1:165 Position

Observation



Start node type, manhole, reference number : SW1

Water level, 0% of the vertical dimension

Settled deposits, fine, 25% cross-sectional area loss

Material changes, vitrified clay

Junction, at 3 o'clock, diameter 100mm

Material changes, pitch fibre

Material changes, vitrified clay

Junction, at 9 o'clock, diameter 100mm

Junction, at 3 o'clock, diameter 100mm

Finish node type, manhole reference number: SW2



0 m



0.3 m



8 m



8.4 m



8.8 m

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	1	5	0.24	5	4

Place :

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Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_30_A.jpg
0m, Water level, 0% of the vertical dimension



Photo: 6_6_31_A.jpg
0.3m, Settled deposits, fine, 25% cross-sectional area loss

Place :

Aquatech Drains Ltd

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Brighton

Tel: 01273 933705

Fax:

Email: Jason@aquatechdrains.co.uk

Inspection pictures

Place :
Hassocks

Road :
Keymer Rd

Date :
16/05/2021

Section number :
5

PLR Suffix :
parking area



Photo: 6_6_38_A.jpg
8m, Material changes, vitrified clay

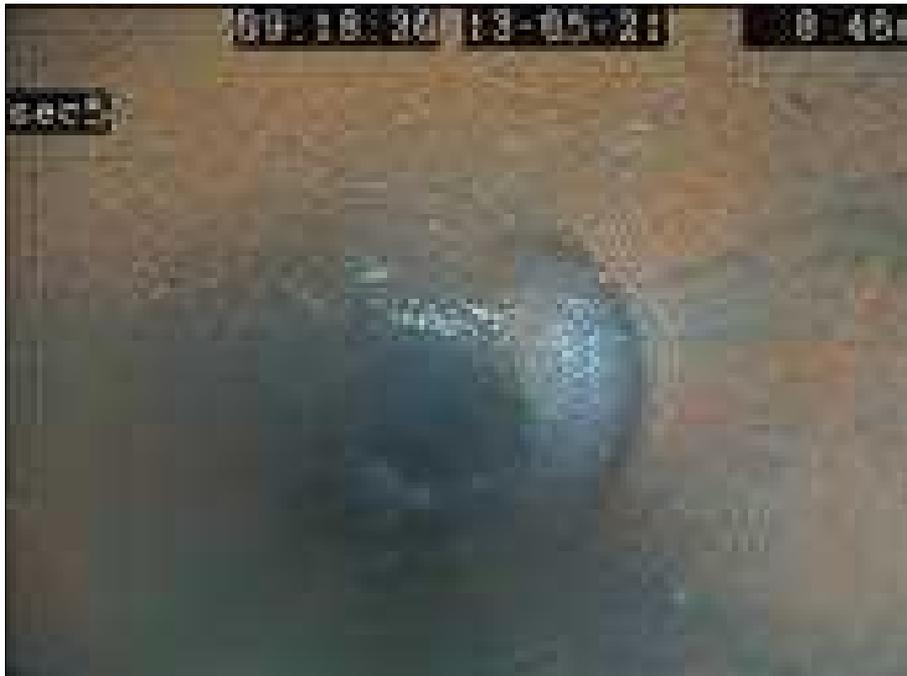


Photo: 6_6_37_A.jpg
8.4m, Junction, at 3 o'clock, diameter 100mm

Inspection pictures

Place : Hassocks	Road : Keymer Rd	Date : 16/05/2021	Section number : 5	PLR Suffix : parking area
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Photo: 6_6_36_A.jpg
8.8m, Material changes, pitch fibre

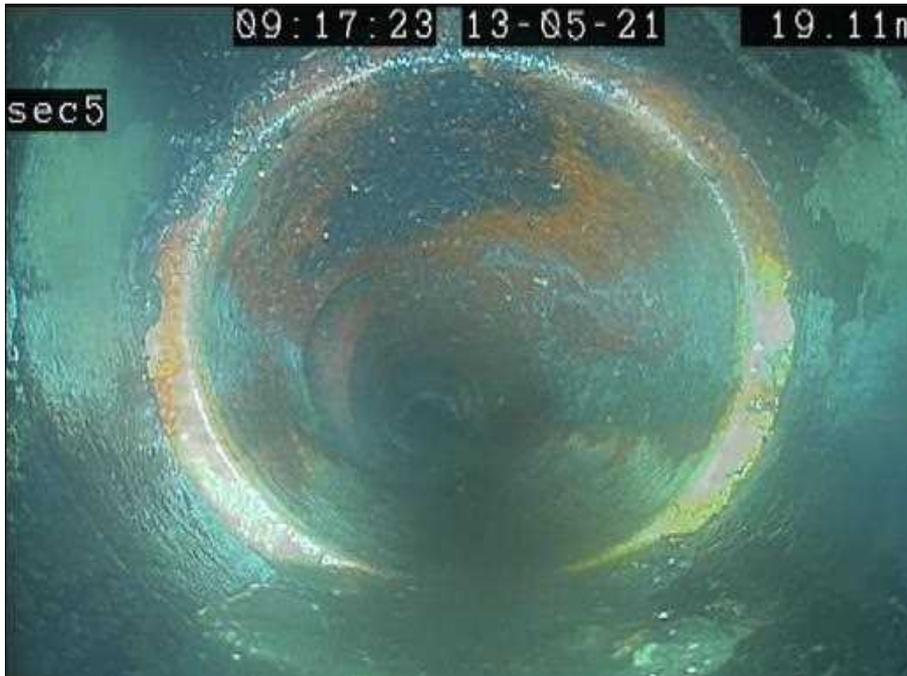


Photo: 6_6_35_A.jpg
18.5m, Material changes, vitrified clay