

071349 Officers Meadow Chelmsford Road Shenfield - CCTV Survey Report : 23/11/20

Name : AWORD SURVEY CONSULTANTS
 Contact : ANDREW PULLINGER
 Location : NORFOLK HOUSE, NORFOLK WAY
 Town : UCKFIELD
 Region : EAST SUSSEX
 Postcode : TN22 1EP
 Email : als@aworth.co.uk
 Contact Number : 01825 768319
 Surveyor : Simon Gardiner
 Valid Certification No : L1103

Client Information

Name : CROUDACE STRATEGIC
 Contact : MICHAEL JENNER
 Location : THE SPIRELLA BUILDING
 Town : BRIDGE ROAD
 Region : LETCHWORTH GARDEN CITY
 Postcode : SG8 4ET
 Tel :
 Mobile :
 Email :
 Fax :

Site Information

Name : OFFICERS MEADOW
 Contact :
 Location : CHELMSFORD ROAD
 Town : SHENFIELD
 Region : ESSEX
 Postcode :
 Tel :
 Mobile :
 Email :
 Fax :

Total Defects for Project



Total DRB Grades for Project



Overview

Section: 1 From: 4100A To: 6200	Grade C	DRB Grade: C Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 2 From: 4100A To: 4100	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 3 From: 4100 To: 4100A	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 4 From: 4100 To: 4000A	Grade C	DRB Grade: C Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 5 From: 4000A To: 4000	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 6 From: S1 To: S2	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 7 From: S1 To: INLET 1	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 8 From: S2 To: INLET 2	Grade B	DRB Grade: B Pipe Size: 300 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Section: 9 From: S3 To: S4	Grade B	DRB Grade: B Pipe Size: 750 Material: Concrete Use: Surface Water
Section: 10 From: S3 To: S5	Grade B	DRB Grade: B Pipe Size: 750 Material: Concrete Use: Surface Water
Section: 11 From: S6 To: S5	Grade A	DRB Grade: A Pipe Size: 750 Material: Concrete Use: Surface Water
Section: 12 From: S6 To: INLET 3	Grade A	DRB Grade: A Pipe Size: 900 Material: Concrete Use: Surface Water
Section: 13 From: S6 To: OUTLET 1	Grade A	DRB Grade: A Pipe Size: 900 Material: Concrete Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Site: CHELMSFORD ROAD, SHENFIELD

Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	23/11/2020

Start Node Ref:	4100A	Finish Node Ref:	6200	Direction:	U	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	46.17	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				0m
00.00m	WL	Water level 20%			0:00:00	
00.00m	DEG	S1 Attached deposits, grease 08-04 5%	S1		0:00:08	
00.00m	REM	General remark			0:05:53	
01.00m	WL	Water level 30%			0:00:21	
11.60m	JN	Junction 02 : 150mm Diameter		0_4	0:00:57	
22.10m	RJ	Roots at joint			0:02:26	
23.60m	CC	Crack, circumferential 08-04			0:02:34	
24.70m	JN	Junction 02 : 150mm Diameter		0_7	0:02:43	
25.00m	WL	Water level 20%			0:02:56	
30.40m	RJ	Roots at joint			0:03:09	
35.00m	WL	Water level 30%			0:04:29	
39.40m	CC	Crack, circumferential 08-11			0:04:34	
42.20m	REM	General remark		0_12	0:04:51	
42.50m	WL	Water level 20%			0:05:09	
43.00m	WL	Water level 10%			0:05:11	
45.00m	FL	S2 Fracture longitudinal 03	S2		0:05:21	
45.00m	FL	S3 Fracture longitudinal 09	S3		0:05:21	
45.00m	FL	S4 Fracture longitudinal 12	S4		0:05:21	
45.00m	D	Deformed drain/sewer 10%		0_18	0:05:21	
46.00m	D	Deformed drain/sewer 20%		0_19	0:05:29	
46.00m	DEG	Attached deposits, grease 12 0%			0:05:29	
46.17m	FL	F4 Fracture longitudinal 12	F4		0:05:21	
46.17m	FL	F3 Fracture longitudinal 09	F3		0:05:21	
46.17m	FL	F2 Fracture longitudinal 03	F2		0:05:21	46.17m

Total Defects for section

DRB Grade for Section



Position	Code	Description	CD	Pic	Video Ref	
46.17m	DEG	F1 Attached deposits, grease 08-04 5%	F1		0:00:08	—
46.17m	B	Broken pipe 12-12			0:05:53	—
46.17m	SA	Survey abandoned				—



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole 4100A	
00.00m	0:00:00	WL	Water level: 20% Height/Diameter	
00.00m	0:00:08	S1 DEG	Attached deposits, grease 0m - 46.17m from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
00.00m	0:05:53	REM	General remark DVD READS 4100 - 6200 NOT 4100A - 6200	
01.00m	0:00:21	WL	Water level: 30% Height/Diameter	
11.60m	0:00:57	JN	Junction at 02 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 0_4 
22.10m	0:02:26	RJ	Roots at joint - Severity 3 FINE ROOTS	
23.60m	0:02:34	CC	Crack, circumferential from 08 o'clock to 04 o'clock - Severity 1	
24.70m	0:02:43	JN	Junction at 02 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 0_7 

Total Defects for section



DRB Grade for Section



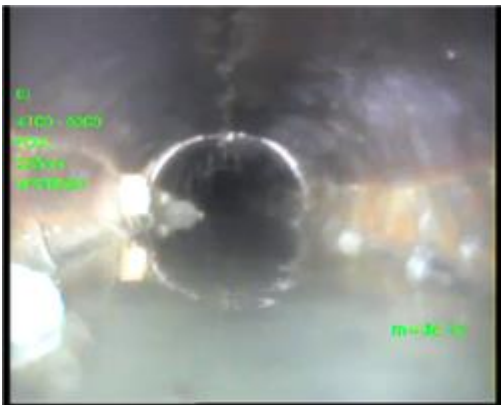
Pos	Video Ref	Code	Description	Image
25.00m	0:02:56	WL	Water level: 20% Height/Diameter	
30.40m	0:03:09	RJ	Roots at joint - Severity 3 FINE ROOTS AT JOINT	
35.00m	0:04:29	WL	Water level: 30% Height/Diameter	
39.40m	0:04:34	CC	Crack, circumferential from 08 o'clock to 11 o'clock - Severity 1	
42.20m	0:04:51	REM	General remark BURIED MANHOLE 4100B	Image Provided - Ref: 0_12 
42.50m	0:05:09	WL	Water level: 20% Height/Diameter	
43.00m	0:05:11	WL	Water level: 10% Height/Diameter	
45.00m	0:05:21	S2 FL	Fracture longitudinal 45m - 46.17m at 03 o'clock - Severity 3	
45.00m	0:05:21	S3 FL	Fracture longitudinal 45m - 46.17m at 09 o'clock - Severity 3	
45.00m	0:05:21	S4 FL	Fracture longitudinal 45m - 46.17m at 12 o'clock - Severity 3	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
45.00m	0:05:21	D	Deformed drain/sewer: 10% Height/Diameter - Severity 4	Image Provided - Ref: 0_18 
46.00m	0:05:29	D	Deformed drain/sewer: 20% Height/Diameter - Severity 4	Image Provided - Ref: 0_19 
46.00m	0:05:29	DEG	Attached deposits, grease at 12 o'clock: 0% Cross sectional area loss - Severity 3	
46.17m	0:05:21	F4 FL	Fracture longitudinal Defect End at 12 o'clock - Severity 3	
46.17m	0:05:21	F3 FL	Fracture longitudinal Defect End at 09 o'clock - Severity 3	
46.17m	0:05:21	F2 FL	Fracture longitudinal Defect End at 03 o'clock - Severity 3	
46.17m	0:00:08	F1 DEG	Attached deposits, grease Defect End from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
46.17m	0:05:53	B	Broken pipe from 12 o'clock to 12 o'clock - Severity 4	
46.17m		SA	Survey abandoned BROKEN PIPE	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	23/11/2020

Start Node Ref:	4100A	Finish Node Ref:	4100	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	24.35	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				0m
00.00m	WL	Water level 10%			0:00:00	
00.00m	DEG	S1 Attached deposits, grease 07-05 5%	S1	1_2	0:00:00	
01.00m	WL	Water level 20%			0:00:25	
06.00m	DEG	F1 Attached deposits, grease 07-05 5%	F1	1_-2	0:00:00	
06.00m	DEG	Attached deposits, grease 07-05 10%			0:00:49	
06.50m	DEG	Attached deposits, grease 07-05 20%			0:00:51	
07.50m	DEG	S2 Attached deposits, grease 07-05 5%	S2		0:01:07	
08.00m	WL	Water level 30%			0:01:15	
10.00m	JN	Junction 10 : 150mm Diameter		1_8	0:01:22	
17.00m	RJ	Roots at joint			0:02:08	
22.00m	WL	Water level 20%			0:02:39	
23.00m	R	Roots		1_11	0:02:49	
23.00m	JN	Junction 10 : 150mm Diameter			0:02:56	
23.10m	WL	Water level 10%			0:03:05	
23.50m	DEG	F2 Attached deposits, grease 07-05 5%	F2		0:01:07	
23.50m	MC	Material of drain/sewer changes		1_14	0:03:05	
23.50m	DEE	Attached deposits, encrustation 07-05 30%		1_15	0:03:05	
24.35m	SA	Survey abandoned				24.35m

DRB Grade for Section



Total Defects for section

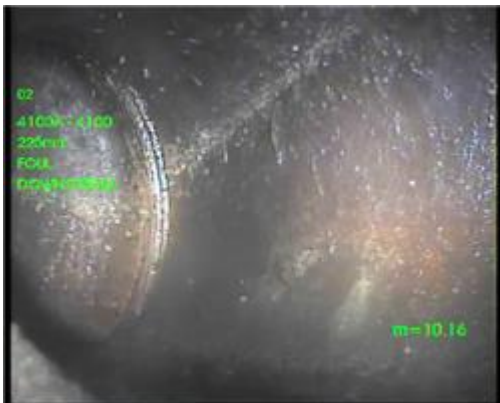


Section 2

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole 4100A	
00.00m	0:00:00	WL	Water level: 10% Height/Diameter	
00.00m	0:00:00	S1 DEG	Attached deposits, grease 0m - 6m from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	Image Provided - Ref: 1_2 
01.00m	0:00:25	WL	Water level: 20% Height/Diameter	
06.00m	0:00:00	F1 DEG	Attached deposits, grease Defect End from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	
06.00m	0:00:49	DEG	Attached deposits, grease from 07 o'clock to 05 o'clock: 10% Cross sectional area loss - Severity 3	
06.50m	0:00:51	DEG	Attached deposits, grease from 07 o'clock to 05 o'clock: 20% Cross sectional area loss - Severity 3	
07.50m	0:01:07	S2 DEG	Attached deposits, grease 7.5m - 23.5m from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	
08.00m	0:01:15	WL	Water level: 30% Height/Diameter	

Bar Color	Height
Green	0
Blue	0
Orange	9
Red	0
Red	0



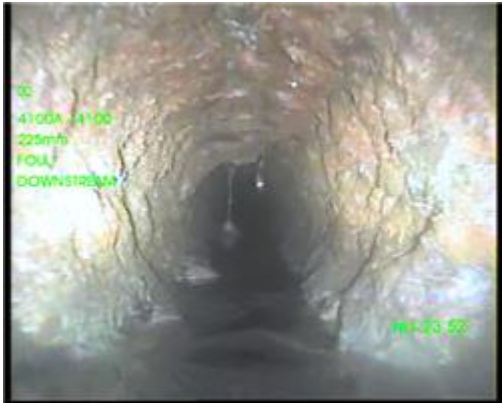
Pos	Video Ref	Code	Description	Image
10.00m	0:01:22	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 1_8 
17.00m	0:02:08	RJ	Roots at joint - Severity 3 FINE ROOTS AT JOINT	
22.00m	0:02:39	WL	Water level: 20% Height/Diameter	
23.00m	0:02:49	R	Roots - Severity 3 MASS ROOTS	Image Provided - Ref: 1_11 
23.00m	0:02:56	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	
23.10m	0:03:05	WL	Water level: 10% Height/Diameter	
23.50m	0:01:07	F2 DEG	Attached deposits, grease Defect End from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
23.50m	0:03:05	MCCI	Material of pipe changes to Cast Iron	Image Provided - Ref: 1_14 
23.50m	0:03:05	DEE	Attached deposits, encrustation from 07 o'clock to 05 o'clock: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 1_15 
24.35m		SA	Survey abandoned UNABLE TO PASS ENCrustATION	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

Section 3

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	23/11/2020

Start Node Ref:	4100	Finish Node Ref:	4100A	Direction:	U	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	21.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				0m
00.00m	WL	Water level 20%			0:00:00	
00.10m	CC	Crack, circumferential 07-05			0:00:00	
00.10m	DER	Settled deposits coarse 20%			0:00:05	
00.16m	FC	Fracture circumferential 08-04	2_4		0:00:07	
00.25m	FL	Fracture longitudinal 12			0:00:08	
00.65m	CC	Crack, circumferential 08-04			0:00:10	
00.90m	FL	Fracture longitudinal 12			0:00:12	
01.00m	WL	Water level 30%			0:00:14	
01.20m	FC	Fracture circumferential 08-11			0:00:16	
01.40m	WL	Water level 40%			0:00:31	
03.40m	DEG	S1 Attached deposits, grease 08-04 5%	S1		0:00:54	
07.40m	CCJ	Crack, circumferential 08-04 at joint			0:01:10	
08.40m	DEG	Attached deposits, grease 09-11 20%	2_13		0:01:15	
10.00m	DEG	F1 Attached deposits, grease 08-04 5%	F1		0:00:54	
10.00m	DEG	S2 Attached deposits, grease 08-04 20%	S2	2_14	0:01:29	
12.00m	JN	Junction 02 : 150mm Diameter	2_15		0:01:37	
15.00m	DEG	F2 Attached deposits, grease 08-04 20%	F2	2_-	0:01:29	
15.00m	DEG	S3 Attached deposits, grease 08-04 5%	S3		0:01:56	
20.00m	MC	Material of drain/sewer changes	2_17		0:02:16	
20.00m	DEE	Attached deposits, encrustation 07-05 20%			0:02:16	
21.50m	DEG	F3 Attached deposits, grease 08-04 5%	F3		0:01:56	
21.50m	SA	Survey abandoned				21.5m

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole 4100	
00.00m	0:00:00	WL	Water level: 20% Height/Diameter	
00.10m	0:00:00	CC	Crack, circumferential from 07 o'clock to 05 o'clock - Severity 1	
00.10m	0:00:05	DER	Settled deposits coarse: 20% Cross sectional area loss - Severity 3	
00.16m	0:00:07	FC	Fracture circumferential from 08 o'clock to 04 o'clock - Severity 3	Image Provided - Ref: 2_4 
00.25m	0:00:08	FL	Fracture longitudinal at 12 o'clock - Severity 3	
00.65m	0:00:10	CC	Crack, circumferential from 08 o'clock to 04 o'clock - Severity 1	
00.90m	0:00:12	FL	Fracture longitudinal at 12 o'clock - Severity 3	
01.00m	0:00:14	WL	Water level: 30% Height/Diameter	
01.20m	0:00:16	FC	Fracture circumferential from 08 o'clock to 11 o'clock - Severity 3	
01.40m	0:00:31	WL	Water level: 40% Height/Diameter	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
03.40m	0:00:54	S1 DEG	Attached deposits, grease 3.4m - 10m from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
07.40m	0:01:10	CCJ	Crack, circumferential from 08 o'clock to 04 o'clock at joint - Severity 1	
08.40m	0:01:15	DEG	Attached deposits, grease from 09 o'clock to 11 o'clock: 20% Cross sectional area loss - Severity 3	Image Provided - Ref: 2_13 
10.00m	0:00:54	F1 DEG	Attached deposits, grease Defect End from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
10.00m	0:01:29	S2 DEG	Attached deposits, grease 10m - 15m from 08 o'clock to 04 o'clock: 20% Cross sectional area loss - Severity 3	Image Provided - Ref: 2_14 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
12.00m	0:01:37	JN	Junction at 02 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 2_15 
15.00m	0:01:29	F2 DEG	Attached deposits, grease Defect End from 08 o'clock to 04 o'clock: 20% Cross sectional area loss - Severity 3	
15.00m	0:01:56	S3 DEG	Attached deposits, grease 15m - 21.5m from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
20.00m	0:02:16	MCCI	Material of pipe changes to Cast Iron	Image Provided - Ref: 2_17 
20.00m	0:02:16	DEE	Attached deposits, encrustation from 07 o'clock to 05 o'clock: 20% Cross sectional area loss - Severity 3	
21.50m	0:01:56	F3 DEG	Attached deposits, grease Defect End from 08 o'clock to 04 o'clock: 5% Cross sectional area loss - Severity 3	
21.50m		SA	Survey abandoned UNABLE TO PASS ENCRUSTATION	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

Section 4

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	23/11/2020

Start Node Ref:	4100	Finish Node Ref:	4000A	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	91.93	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				0m
00.00m	WL	Water level 10%			0:00:00	
01.00m	WL	Water level 20%			0:00:10	
01.00m	DEG	S1 Attached deposits, grease 04-08 10%	S1		0:00:41	
10.00m	WL	Water level 10%			0:01:20	
12.50m	JN	Junction 10 : 150mm Diameter		3_5	0:01:38	
14.90m	JDM	Joint displaced medium			0:02:02	
20.00m	DEG	F1 Attached deposits, grease 04-08 10%	F1		0:00:41	
20.00m	WL	Water level 5%			0:02:39	
20.00m	DEG	S2 Attached deposits, grease 07-05 5%	S2		0:02:50	
23.00m	WL	Water level 10%			0:02:56	
23.50m	WL	Water level 20%			0:03:03	
25.50m	JN	Junction 10 : 150mm Diameter		3_11	0:03:17	
33.60m	CLJ	Crack, longitudinal 03 at joint			0:04:24	
33.60m	CLJ	Crack, longitudinal 12 at joint			0:04:24	
39.00m	D	Deformed drain/sewer 10%			0:05:09	
39.00m	FL	S3 Fracture longitudinal 12	S3		0:05:09	
39.00m	FL	S4 Fracture longitudinal 09	S4		0:05:09	
39.50m	JN	Junction 10 : 150mm Diameter		3_17	0:05:20	
43.00m	FL	S5 Fracture longitudinal 03	S5		0:05:58	
50.00m	FL	F3 Fracture longitudinal 12	F3		0:05:09	
52.70m	JN	Junction 10 : 150mm Diameter			0:07:10	
55.00m	FL	S6 Fracture longitudinal 12	S6		0:07:31	
58.00m	FL	F5 Fracture longitudinal 03	F5		0:05:58	
58.00m	FL	F4 Fracture longitudinal 09	F4		0:05:09	58.00m

Total Defects for section

DRB Grade for Section



Position	Code	Description	CD	Pic	Video Ref	
60.00m	FL	F6 Fracture longitudinal 12	F6		0:07:31	
60.50m	CL	Crack, longitudinal 03			0:08:09	
61.20m	CC	Crack, circumferential 08-04			0:08:15	
63.40m	FM	S7 Fracture multiple 08-04	S7		0:08:35	
63.40m	D	Deformed drain/sewer 10%			0:08:45	
65.60m	JN	Junction 10 : 150mm Diameter			0:08:56	
76.00m	FM	F7 Fracture multiple 08-04	F7		0:08:35	
76.00m	WL	Water level 10%			0:10:13	
78.00m	WL	Water level 20%			0:10:21	
79.50m	JN	Junction 10 : 150mm Diameter	3_28		0:10:40	
82.00m	WL	Water level 30%			0:11:13	
88.00m	WL	Water level 20%			0:11:32	
88.50m	WL	Water level 10%			0:11:33	
91.50m	DEG	F2 Attached deposits, grease 07-05 5%	F2		0:02:50	
91.50m	R	Roots	3_32		0:11:44	
91.93m	MHF	Finish node type, manhole				

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 4

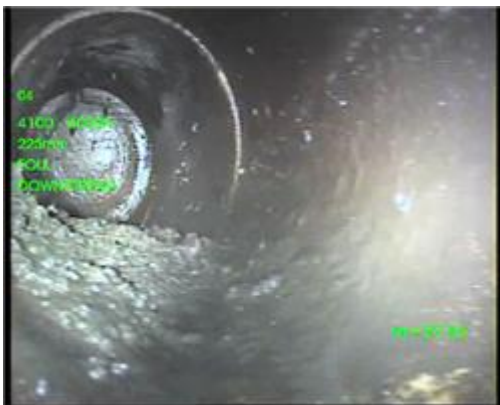
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole 4100	
00.00m	0:00:00	WL	Water level: 10% Height/Diameter	
01.00m	0:00:10	WL	Water level: 20% Height/Diameter	
01.00m	0:00:41	S1 DEG	Attached deposits, grease 1m - 20m from 04 o'clock to 08 o'clock: 10% Cross sectional area loss - Severity 3	
10.00m	0:01:20	WL	Water level: 10% Height/Diameter	
12.50m	0:01:38	JN	Junction at 10 o'clock: 150mm Diameter	Image Provided - Ref: 3_5 
14.90m	0:02:02	JDM	Joint displaced medium - Severity 3	
20.00m	0:00:41	F1 DEG	Attached deposits, grease Defect End from 04 o'clock to 08 o'clock: 10% Cross sectional area loss - Severity 3	
20.00m	0:02:39	WL	Water level: 5% Height/Diameter	
20.00m	0:02:50	S2 DEG	Attached deposits, grease 20m - 91.5m from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	
23.00m	0:02:56	WL	Water level: 10% Height/Diameter	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
23.50m	0:03:03	WL	Water level: 20% Height/Diameter	
25.50m	0:03:17	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 3_11 
33.60m	0:04:24	CLJ	Crack, longitudinal at 03 o'clock at joint - Severity 1	
33.60m	0:04:24	CLJ	Crack, longitudinal at 12 o'clock at joint - Severity 1	
39.00m	0:05:09	D	Deformed drain/sewer: 10% Height/Diameter - Severity 4	
39.00m	0:05:09	S3 FL	Fracture longitudinal 39m - 50m at 12 o'clock - Severity 3	
39.00m	0:05:09	S4 FL	Fracture longitudinal 39m - 58m at 09 o'clock - Severity 3	
39.50m	0:05:20	JN	Junction at 10 o'clock: 150mm Diameter	Image Provided - Ref: 3_17 
43.00m	0:05:58	S5 FL	Fracture longitudinal 43m - 58m at 03 o'clock - Severity 3	
50.00m	0:05:09	F3 FL	Fracture longitudinal Defect End at 12 o'clock - Severity 3	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
52.70m	0:07:10	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	
55.00m	0:07:31	S6 FL	Fracture longitudinal 55m - 60m at 12 o'clock - Severity 3	
58.00m	0:05:58	F5 FL	Fracture longitudinal Defect End at 03 o'clock - Severity 3	
58.00m	0:05:09	F4 FL	Fracture longitudinal Defect End at 09 o'clock - Severity 3	
60.00m	0:07:31	F6 FL	Fracture longitudinal Defect End at 12 o'clock - Severity 3	
60.50m	0:08:09	CL	Crack, longitudinal at 03 o'clock - Severity 1	
61.20m	0:08:15	CC	Crack, circumferential from 08 o'clock to 04 o'clock - Severity 1	
63.40m	0:08:35	S7 FM	Fracture multiple 63.4m - 76m from 08 o'clock to 04 o'clock - Severity 4	
63.40m	0:08:45	D	Deformed drain/sewer: 10% Height/Diameter - Severity 4	
65.60m	0:08:56	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	
76.00m	0:08:35	F7 FM	Fracture multiple Defect End from 08 o'clock to 04 o'clock - Severity 4	
76.00m	0:10:13	WL	Water level: 10% Height/Diameter	
78.00m	0:10:21	WL	Water level: 20% Height/Diameter	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
79.50m	0:10:40	JN	Junction at 10 o'clock: 150mm Diameter BLANKED OFF	Image Provided - Ref: 3_28 
82.00m	0:11:13	WL	Water level: 30% Height/Diameter	
88.00m	0:11:32	WL	Water level: 20% Height/Diameter	
88.50m	0:11:33	WL	Water level: 10% Height/Diameter	
91.50m	0:02:50	F2 DEG	Attached deposits, grease Defect End from 07 o'clock to 05 o'clock: 5% Cross sectional area loss - Severity 3	
91.50m	0:11:44	R	Roots - Severity 3 ROOTS IN MANHOLE	Image Provided - Ref: 3_32 
91.93m		MHF	Finish node type, manhole 4000A	

Total Defects for section

DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

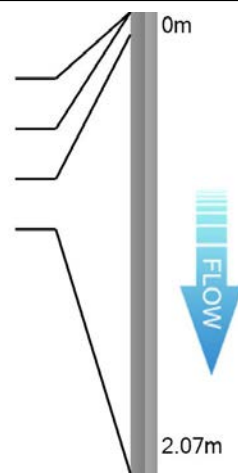
Section 5

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	23/11/2020

Start Node Ref:	4000A	Finish Node Ref:	4000	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	2.07	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 10%			0:00:00
00.10m	JDM	Joint displaced medium			0:00:05
02.07m	MHF	Finish node type, manhole			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole 4000A	
00.00m	0:00:00	WL	Water level: 10% Height/Diameter	
00.10m	0:00:05	JDM	Joint displaced medium - Severity 3	
02.07m		MHF	Finish node type, manhole 4000	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

Section 6

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S1	Finish Node Ref:	S2	Direction:	D	Height/Dia:	300
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9.62	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				0m
00.00m	WL	Water level 10%			0:00:00	
00.00m	REM	S1 General remark	S1		0:00:32	
00.64m	DER	Settled deposits coarse 10%		5_2	0:00:07	
04.80m	CCJ	Crack, circumferential 08-12 at joint			0:00:32	
04.80m	CL	Crack, longitudinal 12			0:00:34	
05.90m	DES	S2 Settled deposits fine 10%	S2	5_6	0:00:36	
07.00m	CM	S3 Cracks, multiple 08-04	S3		0:00:44	
08.00m	DES	F2 Settled deposits fine 10%	F2	5_-6	0:00:36	
08.00m	DES	S4 Settled deposits fine 20%	S4		0:00:52	
08.00m	R	S5 Roots	S5		0:00:57	
09.62m	R	F5 Roots	F5		0:00:57	
09.62m	DES	F4 Settled deposits fine 20%	F4		0:00:52	
09.62m	CM	F3 Cracks, multiple 08-04	F3		0:00:44	
09.62m	SA	Survey abandoned				9.62m

DRB Grade for Section

Total Defects for section



Descriptive Report with Remarks and Observation Images

Section 6

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S1	
00.00m	0:00:00	WL	Water level: 10% Height/Diameter	
00.00m	0:00:32	S1 REM	General remark 0m - 0m DRIED DEBRIS AND STAINING ON PIPE SURFACE	
00.64m	0:00:07	DER	Settled deposits coarse: 10% Cross sectional area loss - Severity 3	Image Provided - Ref: 5_2 
04.80m	0:00:32	CCJ	Crack, circumferential from 08 o'clock to 12 o'clock at joint - Severity 1	
04.80m	0:00:34	CL	Crack, longitudinal at 12 o'clock - Severity 1	
05.90m	0:00:36	S2 DES	Settled deposits fine 5.9m - 8m: 10% Cross sectional area loss - Severity 3	Image Provided - Ref: 5_6 
07.00m	0:00:44	S3 CM	Cracks, multiple 7m - 9.62m from 08 o'clock to 04 o'clock - Severity 2	
08.00m	0:00:36	F2 DES	Settled deposits fine Defect End: 10% Cross sectional area loss - Severity 3	

Total Defects for section

DRB Grade for Section



Pos	Video Ref	Code	Description	Image
08.00m	0:00:52	S4 DES	Settled deposits fine 8m - 9.62m: 20% Cross sectional area loss - Severity 3	
08.00m	0:00:57	S5 R	Roots 8m - 9.62m - Severity 3	
09.62m	0:00:57	F5 R	Roots Defect End - Severity 3	
09.62m	0:00:52	F4 DES	Settled deposits fine Defect End: 20% Cross sectional area loss - Severity 3	
09.62m	0:00:44	F3 CM	Cracks, multiple Defect End from 08 o'clock to 04 o'clock - Severity 2	
09.62m		SA	Survey abandoned UNABLE TO PASS DEBRIS	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

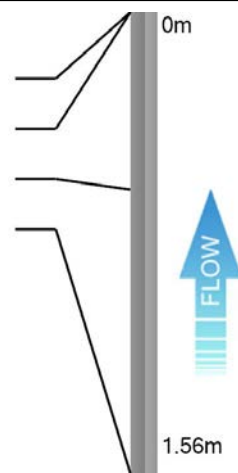
Section 7

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S1	Finish Node Ref:	INLET 1	Direction:	U	Height/Dia:	300
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	1.56	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 5%			0:00:00
00.60m	DER	Settled deposits coarse 20%			0:00:06
01.56m	WRF	Finish node type, major connection without			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
00.60m	0:00:06	DER	Settled deposits coarse: 20% Cross sectional area loss - Severity 3	
01.56m		WRF	Finish node type, major connection without manhole INLET 1	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

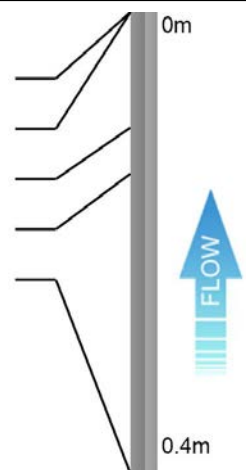
Section 8

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S2	Finish Node Ref:	INLET 2	Direction:	U	Height/Dia:	300
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	0.4	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 50%		7_1	0:00:00	
00.10m	CUW	Loss of vision, camera under water			0:00:05	
00.14m	DER	Settled deposits coarse 30%		7_2	0:00:05	
00.40m	SA	Survey abandoned				



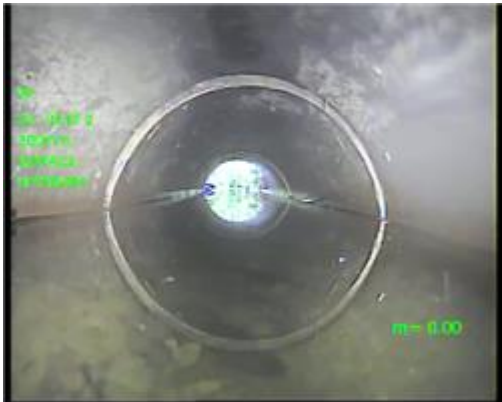
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 8

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S2	
00.00m	0:00:00	WL	Water level: 50% Height/Diameter	Image Provided - Ref: 7_1 
00.10m	0:00:05	CUW	Loss of vision, camera under water	
00.14m	0:00:05	DER	Settled deposits coarse: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 7_2 
00.40m		SA	Survey abandoned CAMERA UNDERWATER / UNABLE TO PASS DEBRIS	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

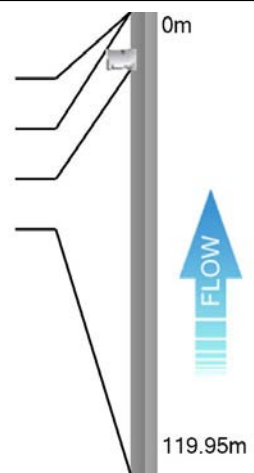
Section 9

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S3	Finish Node Ref:	S4	Direction:	U	Height/Dia:	750
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CO	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	119.95	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%			0:00:00	
15.00m	CXI	Connection intruding 01 10% : 150mm Diameter			0:00:48	
119.95	MHF	Finish node type, manhole				



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 9

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S3	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
15.00m	0:00:48	CXI	Connection intruding at 01 o'clock: 10% Intrusion : 150mm Diameter - Severity 3	
119.95m		MHF	Finish node type, manhole S4	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

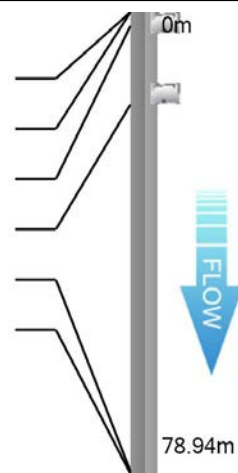
Section 10

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S3	Finish Node Ref:	S5	Direction:	D	Height/Dia:	750
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CO	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	78.94	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%			0:00:00	
02.33m	CN	Connection other than junction 11 : 150mm			0:00:13	
15.78m	CXI	Connection intruding 11 10% : 150mm Diameter	9_3		0:00:52	
78.54m	REM	General remark	9_4		0:03:48	
78.94m	MHF	Finish node type, manhole				



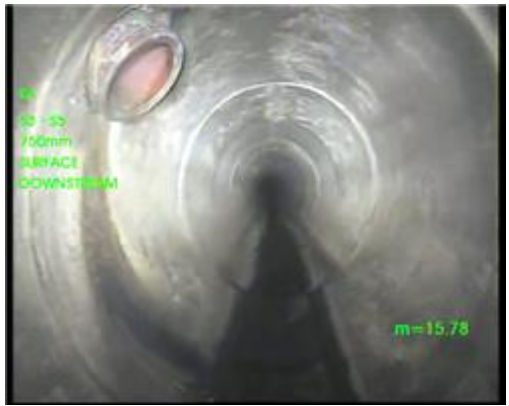
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 10

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S3	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
02.33m	0:00:13	CN	Connection other than junction at 11 o'clock: 150mm Diameter	
15.78m	0:00:52	CXI	Connection intruding at 11 o'clock: 10% Intrusion : 150mm Diameter - Severity 3	Image Provided - Ref: 9_3 
78.54m	0:03:48	REM	General remark DEBRIS IN MANHOLE	Image Provided - Ref: 9_4 
78.94m		MHF	Finish node type, manhole S5	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

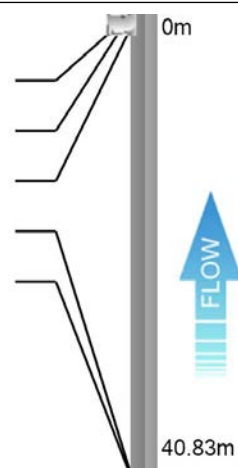
Section 11

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S6	Finish Node Ref:	S5	Direction:	U	Height/Dia:	750
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CO	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	40.83	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%			0:00:00	
01.25m	CN	Connection other than junction 01 : 150mm			0:00:07	
40.57m	REM	General remark			10_3 0:02:03	
40.83m	MHF	Finish node type, manhole				



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 11

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S6	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
01.25m	0:00:07	CN	Connection other than junction at 01 o'clock: 150mm Diameter	
40.57m	0:02:03	REM	General remark DEBRIS IN MANHOLE	Image Provided - Ref: 10_3 
40.83m		MHF	Finish node type, manhole S5	

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

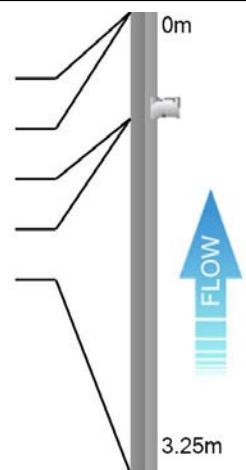
Section 12

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S6	Finish Node Ref:	INLET 3	Direction:	U	Height/Dia:	900
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CO	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.25	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.75m	CN	Connection other than junction 09 : 300mm		11_2	0:00:12	
00.75m	REM	General remark		11_3	0:00:07	
03.25m	WRF	Finish node type, major connection without		11_9		



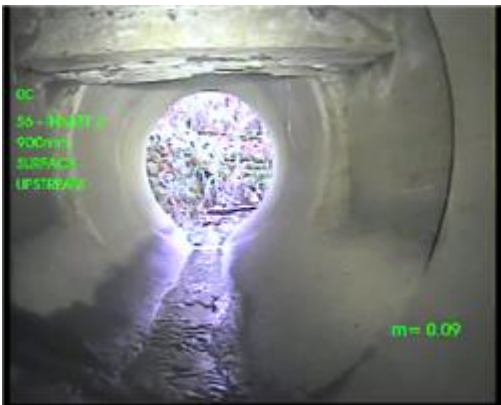
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 12

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S6	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.75m	0:00:12	CN	Connection other than junction at 09 o'clock: 300mm Diameter	Image Provided - Ref: 11_2 
00.75m	0:00:07	REM	General remark OBSTRUCTION AT HIGH LEVEL / POSSIBLE CHAMBER CONSTRUCTION	Image Provided - Ref: 11_3 
03.25m		WRF	Finish node type, major connection without manhole INLET 3	Image Provided - Ref: 11_9999 

Total Defects for section



DRB Grade for Section



Site: CHELMSFORD ROAD, SHENFIELD

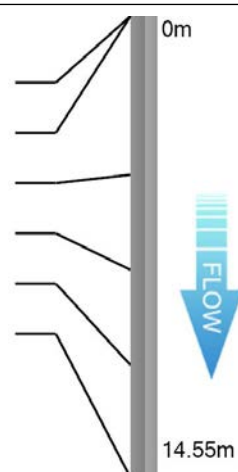
Section 13

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CROUDACE STRATEGIC	CHELMSFORD ROAD	SHENFIELD		Simon Gardiner	25/11/2020

Start Node Ref:	S6	Finish Node Ref:	OUTLET 1	Direction:	D	Height/Dia:	900
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CO	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	14.55	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%			0:00:00	
05.00m	WL	Water level 10%			0:00:17	
08.00m	WL	Water level 20%		12_3	0:00:26	
11.00m	WL	Water level 30%		12_4	0:00:34	
14.55m	OFF	Finish node type, outfall				



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

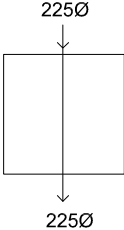
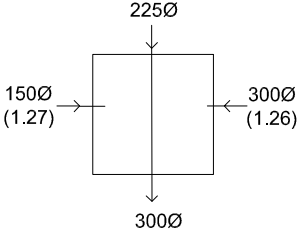
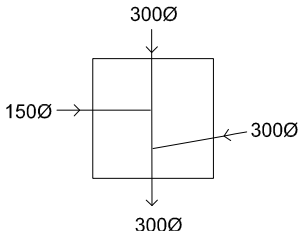
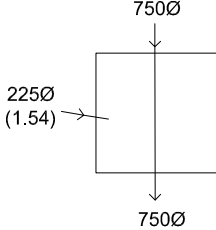
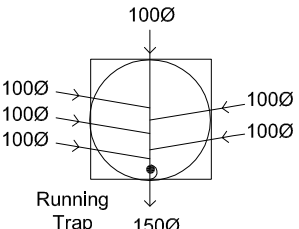
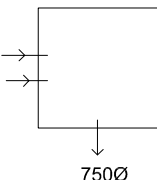
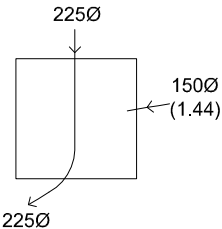
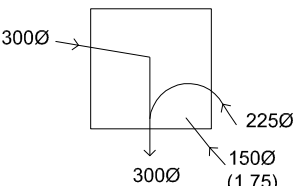
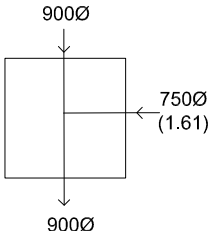
Section 13

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole S6	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
05.00m	0:00:17	WL	Water level: 10% Height/Diameter	
08.00m	0:00:26	WL	Water level: 20% Height/Diameter	Image Provided - Ref: 12_3 
11.00m	0:00:34	WL	Water level: 30% Height/Diameter	Image Provided - Ref: 12_4 
14.55m		OFF	Finish node type, outfall OUTLET 1	

MANHOLE DETAILS

LOCATION: OFFICERS MEADOW CHELMSFORD ROAD SHENFIELD JOB REF: 071349 - 6109

CLIENT: CROUDACE STRATEGIC DATE: 23/11/2020

MH No. F4100A DEPTH. 1.73 COVER. CH CONSTRUCTION. Br REMARKS.		MH No. S1 DEPTH. 1.42 COVER. RH CONSTRUCTION. Br REMARKS.	
MH No. F4100B DEPTH. COVER. CONSTRUCTION. REMARKS.	BURIED	MH No. S2 DEPTH. 1.25 COVER. RH CONSTRUCTION. Br REMARKS. FRAME BROKEN AND LOOSE 30% SILT AND DEBRIS IN CHANNEL	
MH No. F6200 DEPTH. COVER. CONSTRUCTION. REMARKS.	UNABLE TO LIFT UNDER HOARDING	MH No. S3 DEPTH. 1.50 COVER. CH CONSTRUCTION. Br REMARKS.	
MH No. F4100 DEPTH. 1.94 COVER. CH CONSTRUCTION. Br REMARKS.		MH No. S4 DEPTH. 1.75 COVER. CH CONSTRUCTION. Co REMARKS. PIPES NOT VISIBLE	
MH No. F4000A DEPTH. 3.00 COVER. Clover H CONSTRUCTION. Br REMARKS.		MH No. S5 DEPTH. COVER. CONSTRUCTION. REMARKS.	BURIED
MH No. F4000 DEPTH. 3.03 COVER. SH CONSTRUCTION. Br REMARKS.		MH No. S6 DEPTH. 1.68 COVER. CH CONSTRUCTION. Co REMARKS.	
KEY: C - Circular S - Square T - Triangular L - Light Duty M - Medium Duty H - Heavy Duty Co - Concrete Br - Brick R - Rectangular			

CCTV Sewer Survey – Daily Record Sheet

Date 23/11/2020 Job No 071349

Client CROUDACE STRATEGIC

Site Address OFFICERS MEADOW
CHELMSFORD ROAD
SHENFIELD BRENTWOOD

Rig Manager S. GARDINER Operative M. CAMPBELL

Aworth
SURVEY CONSULTANTS

Norfolk House
Norfolk Way, Uckfield,
East Sussex, TN22 1EP
Tel 01825 768319

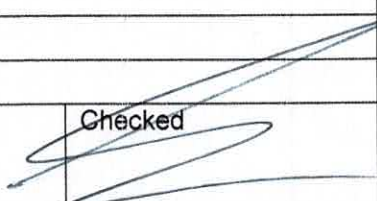
Manhole		Sewer dia.	Recorded Metreage	Survey Abandoned	Remarks
Start	Finish				
A100A	6200	225	46-17	✓	BROKEN PIPE
A100A	A100	225	24-35	✓	ENCrustATION
A100	A100A	225	21-50	✓	ENCrustATION
A100	A000A	225	91-93		
A000A	A000	225	2-07		
TOTAL					

Standing Time Metreage check ☒ Length

Reason for standing time

Remarks 6200 UNDER HOARDINGS

Special Instructions; Site Contact --

Checked 

CCTV Sewer Survey – Daily Record Sheet

Date 25/11/2020 Job No 071349

Client CROUDACE STRATEGIC

Site Address OFFICERS MEADOW
CHELMSFORD ROAD
SHEPHERD BRENTWOOD

Rig Manager S. GARDINER Operative M. CAMPBELL

Aworth
SURVEY CONSULTANTS

Norfolk House
Norfolk Way, Uckfield,
East Sussex, TN22 1EP
Tel 01825 768319

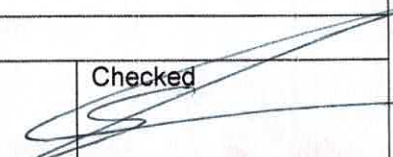
Manhole		Sewer dia.	Recorded Metreage	Survey Abandoned	Remarks
Start	Finish				
S1	S2	300	9-62	✓	DEBRIS
S1	INLET1	300	1-56		
S2	INLET2	300	0-40		UNDERWATER
S3	SA	750	119-95		
S3	SS	750	78-94		
S6	SS	750	40-83		
S6	INLET3	900	3-25		
S6	OUTLET1	900	14-55		
TOTAL					

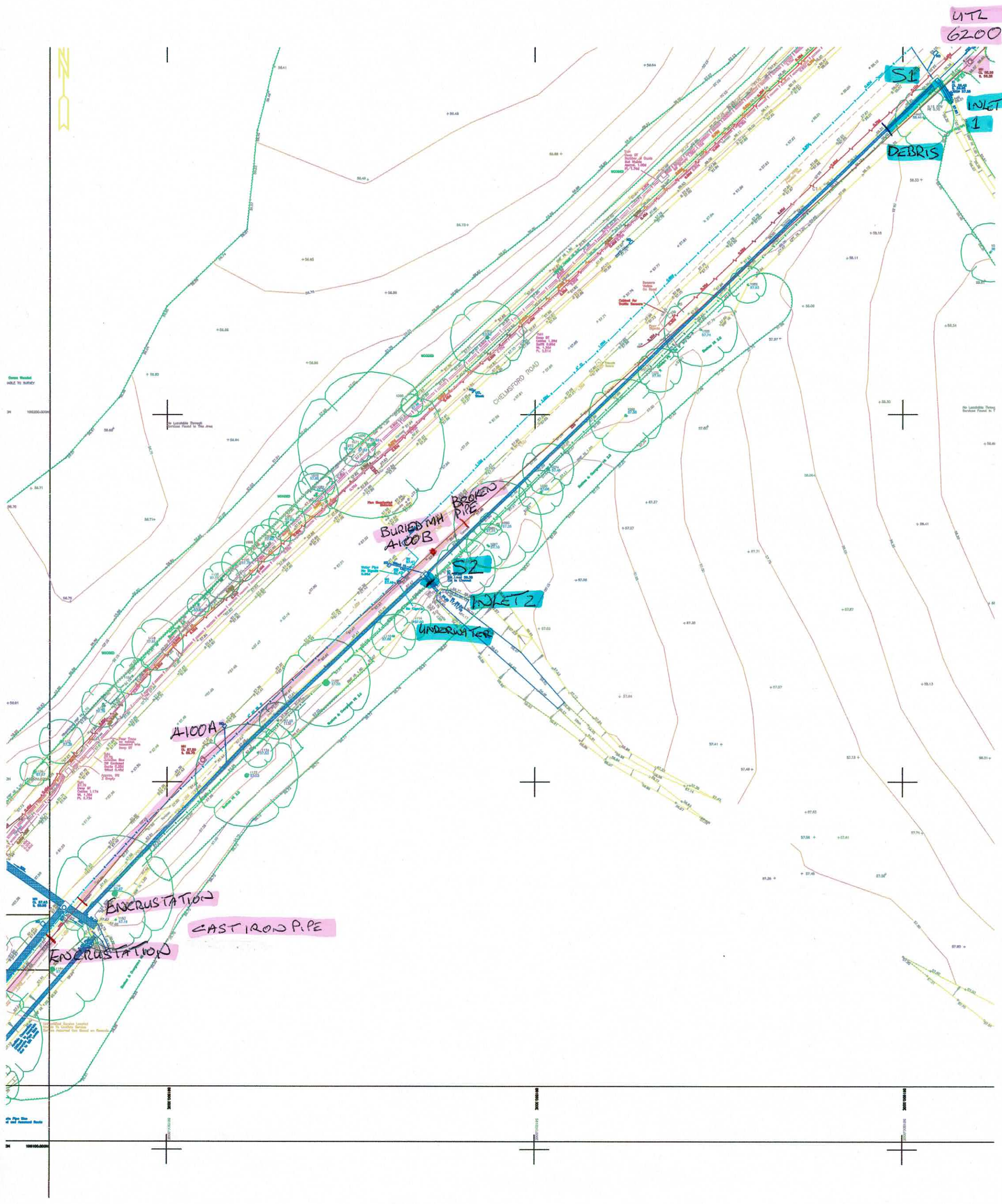
Standing Time Metreage check ☒ Length

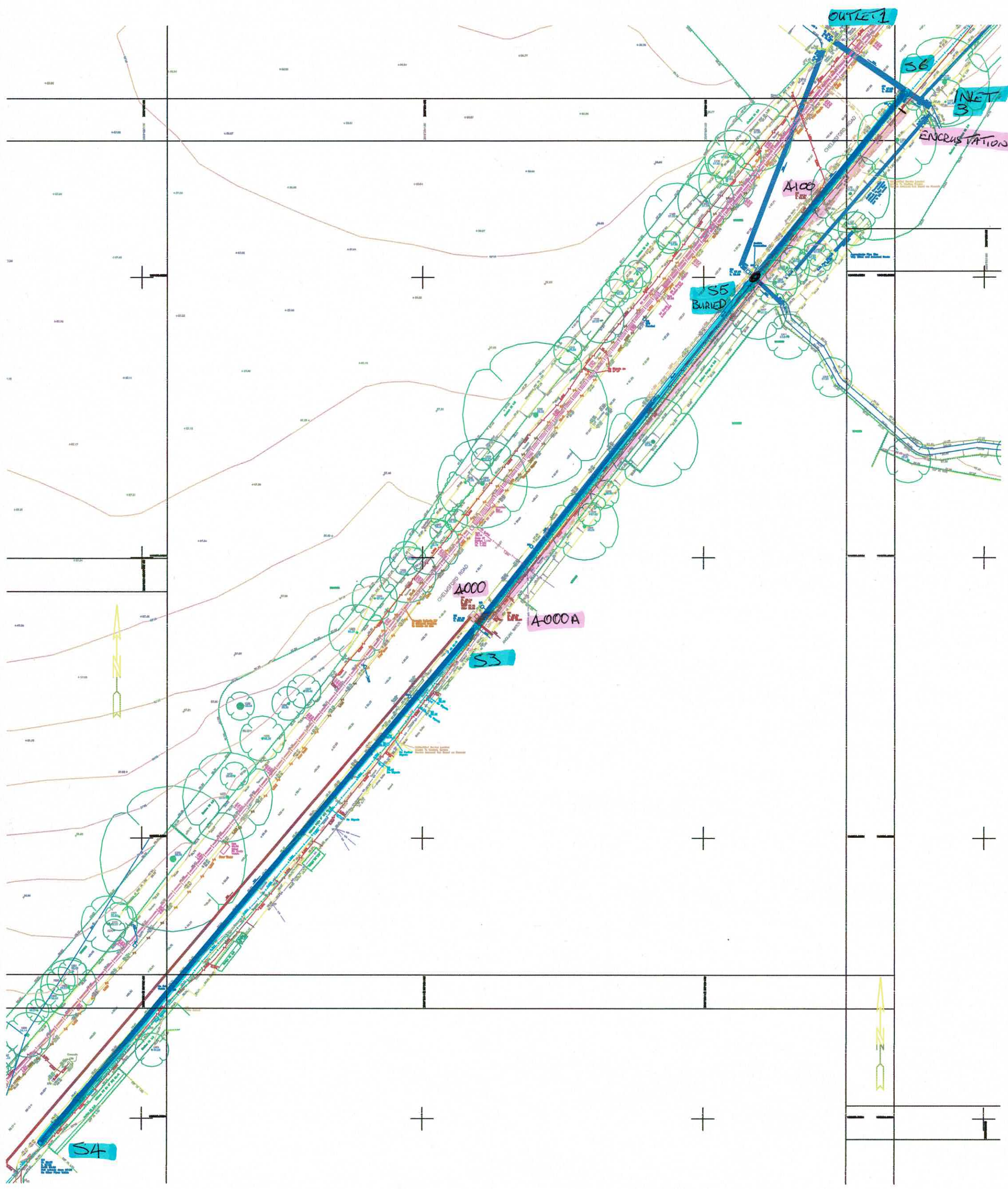
Reason for standing time

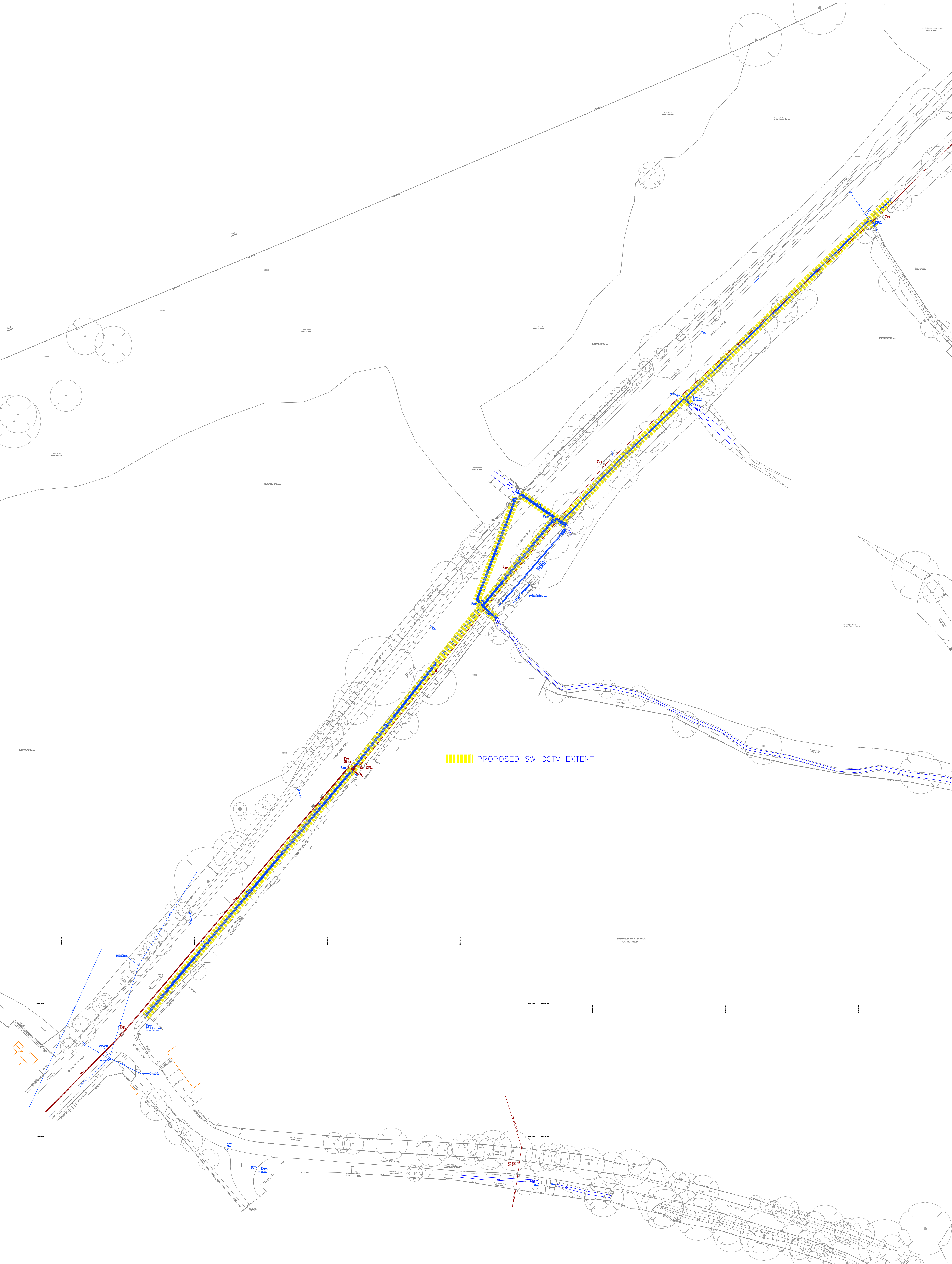
Remarks S2 30% SILT & DEBRIS IN CHANNEL

Special Instructions; Site Contact --

Checked 



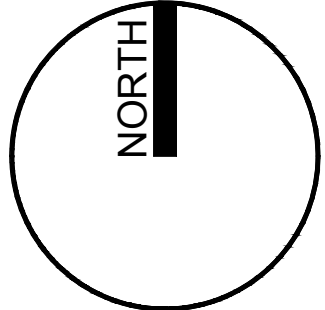




PROPOSED SW CCTV EXTENT

APPENDIX B

PROPOSED DEVELOPMENT



- Site Boundary
- Proposed School Boundary
- Affordable Housing
- Custom Build Houses

