



# **CCTV Survey Report**

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**Job No. 160124**

**Great Dunmow Town Council**

**Public Toilets  
White street Car Park  
Great Dunmow  
Essex  
CM6 1BD**

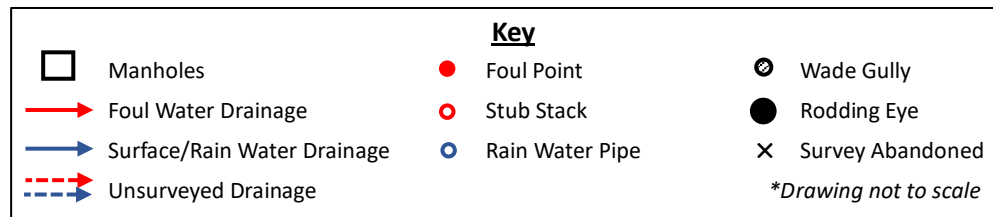
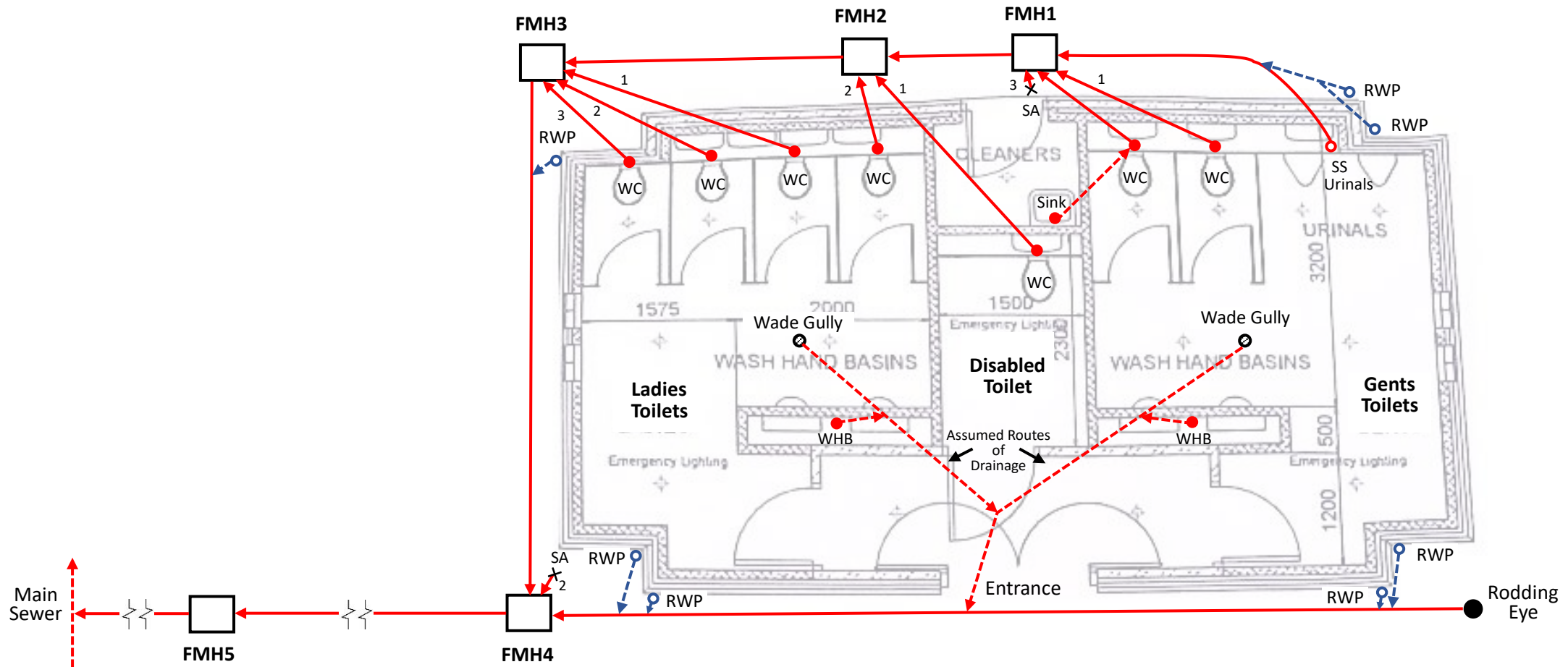
**20/01/2023**



Public Toilets, White Street Car Park, Great Dunmow, Essex, CM6 1BD

Job No. 160124

Drainage Plan: 20<sup>th</sup> January 2023



# CCTV Survey

Date: 02/02/2023  
Our Ref: CCTV/160124  
Your Ref: Order No. 81



## Invincible Drain Care Ltd

Units 7/9, Pucknall Farm, Braishfield  
Romsey, SO51 0JQ  
Tel: 01794 878213  
Fax: 01794 367261  
Email: admin@ivdc.co.uk

**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh1  
**Survey To:** Node

**Duty:** Foul  
**Size:** 100  
**Depth:** 600  
**Depth:** 0

**Downstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.10	DE				20.00	Debris scale continues
1.00	MH					Manhole fmh2
3.90	CCJ					Circumferential Crack At Joint
4.30	MH					Manhole fmh3
5.70	LL					Line Of Sewer Deviates Left
7.30	FCJ					Circumferential Fracture At Joint
7.40	JN	9		100		Junction rwp
8.40	CCJ					Circumferential Crack At Joint
9.30	CC					Circumferential Crack
9.40	CN	12		100		Connection
10.80	CCJ					Circumferential Crack At Joint
11.50	FH					Finish Of Sewer Lengthfmh4

### Recommendations

5x4" patches to repair and seal system

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh1  
**Survey To:** Rwp

**Duty:** Foul  
**Size:** 100  
**Depth:** 600  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.10	LR					Line Of Sewer Deviates Right
0.40	DE				20.00	Debris scale continues
1.80	JN	9		100		Junction rwp
2.10	FH					Finish Of Sewer Length stub stack urinals

### Recommendations

Picote hpwj required

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh1 lat1  
**Survey To:** Wc  
**Duty:** Foul  
**Size:** 100  
**Depth:** 600  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
1.40	FH					Finish Of Sewer Length wc

### Recommendations

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh1 lat2  
**Survey To:** Wc

**Duty:** Foul  
**Size:** 100  
**Depth:** 600  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.40	OJ					Open Joint
0.50	MC					Sewer Material Changes upvc
0.50	LL					Line Of Sewer Deviates Left
1.10	FH					Finish Of Sewer Length wc

### Recommendations

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh1 lat3  
**Survey To:** Node

**Duty:** Foul  
**Size:** 100  
**Depth:** 600  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.10	B					Broken Pipe
0.10	SA					Survey Abandoned unable to pass

### Recommendations

Blank off

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**Material:** Plastic  
**Shape:** Circular  
**Survey From:** Fmh2 lat1  
**Survey To:** Wc  
**Duty:** Foul  
**Size:** 100  
**Depth:** 700  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.30	LL					Line Of Sewer Deviates Left
2.60	FH					Finish Of Sewer Length wc disabled

### Recommendations



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**Material:** Plastic  
**Shape:** Circular  
**Survey From:** Fmh2 lat2  
**Survey To:** Wc

**Duty:** Foul  
**Size:** 100  
**Depth:** 700  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.90	FH					Finish Of Sewer Length wc female

### Recommendations

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh3 lat1  
**Survey To:** Wc

**Duty:** Foul  
**Size:** 100  
**Depth:** 950  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.70	LL					Line Of Sewer Deviates Left
1.10	MC					Sewer Material Changes upvc
1.10	JDM					Joint Displaced Medium
2.40	FH					Finish Of Sewer Length wc female

### Recommendations

1x patch to repair and seal system

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh3 lat2  
**Survey To:** Wc

**Duty:** Foul  
**Size:** 100  
**Depth:** 950  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.50	JDM					Joint Displaced Medium
1.00	MC					Sewer Material Changes upvc
1.90	FH					Finish Of Sewer Length wc female

### Recommendations

1x patch to repair and seal system

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh3 lat3  
**Survey To:** Wc  
**Duty:** Foul  
**Size:** 100  
**Depth:** 950  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.60	GC					General Comment pan connector
0.70	MC					Sewer Material Changes upvc
1.60	FH					Finish Of Sewer Length wc female

### Recommendations

Picote in attempt to remove pan connector 1x patch to repair and seal system

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh4 lat1  
**Survey To:** Rodding eye  
**Duty:** Foul  
**Size:** 100  
**Depth:** 1100  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.30	JN	9		100		Junction rwp
0.80	JN	9		100		Junction rwp
4.00	JN	9		100		Junction male female floor gullys
8.20	JN	9		100		Junction rwp
9.10	JN	9		100		Junction rwp
9.60	FH					Finish Of Sewer Length rodding eye

### Recommendations

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh4 lat2 h/l  
**Survey To:** Node

**Duty:** Foul  
**Size:** 100  
**Depth:** 1100  
**Depth:** 0

**Upstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.10	DE				100.00	Debris
0.10	SA					Survey Abandoned unable to pass

### Recommendations

Blank off

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**Material:** Clay  
**Shape:** Circular  
**Survey From:** Fmh4  
**Survey To:** Mains

**Duty:** Foul  
**Size:** 100  
**Depth:** 1100  
**Depth:** 0

**Downstream**

Distance (m)	Code	Clock Start	Clock Finish	Diameter (mm)	%	Comments
0.00	ST					Start Of Sewer Survey Length
0.00	WL				0.00	Water Level
0.10	DE				10.00	Debris scale continues
5.40	DE				20.00	Debris scale continues
8.30	MH					Manhole fmh5
13.70	LR					Line Of Sewer Deviates Right
13.50	FH					Finish Of Sewer Length mains y's blind

**Recommendations**  
Picote hpwj required

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## CODES

B: Broken Pipe	BJ: Broken Pipe At Joint
BR: Major Branch	CC: Circumferential Crack
CCJ: Circumferential Crack At Joint	CL: Longitudinal Crack
CLJ: Longitudinal Crack At Joint	CN: Connection
CNI: Intruding Connection	CU: Camera Underwater
CX: Defective Connection Connection Intruding	CXI: Defective
D: Pipe Deformed	DB: Bricks Displaced
DC: Dimension Of Sewer Changes At This Point	DE: Debris
DEG: Debris And Grease	DEGJ: Debris And Grease At Joint
DEJ: Debris At Joint	DES: Debris & Silt
DESJ: Debris & Silt & Joint	DH: Deformed sewer
DI: Dropped Invert	DV: Deformed Sewer
EH: Heavy Encrustation	EHJ: Heavy Incrustation At Joint
EL: Light Encrustation	ELJ: Light Encrustation At Joint
EM: Medium Encrustation	EMJ: Medium Encrustation At Joint
ESH: Heavy Scale	ESHJ: Heavy Scale At Joint
ESL: Light Scale	ESLJ: Light Scale At Joint
ESM: Medium Scale	ESMJ: Medium Scale At Joint
FC: Circumferential Fracture	FCJ: Circumferential Fracture At Joint
FH: Finish Of Sewer Length	FL: Longitudinal Fracture
FLJ: Longitudinal Fracture At Joint	FM: Multiple Fracture
FMJ: Multiple Fracture At Joint	GC: General Comment
GP: Photograph Number	ID: Infiltration (Dripper)
IDJ: Infiltration (Dripper) At Joint	IG: Infiltration (Gusher)
IGJ: Infiltration (Gusher) At Joint	IR: Infiltration (Runner)
IRJ.: Infiltration (Runner) At Joint	IS: Infiltration (Seeper)
ISJ: Infiltration (Seeper) At Joint	JDL: Joint Displaced Large
JDM: Joint Displaced Medium	JDS: Joint Displaced Slight
JN: Junction	JX: Defective Junction
LC: Sewer Lining In Changes	LD: Line Of Sewer Deviates Down
LL: Line Of Sewer Deviates Left	LR: Line Of Sewer Deviates Right
LU: Line Of Sewer Deviates Up	MB: Bricks Missing
MC: Sewer Material Changes	MH: Manhole
MM: Mortar Missing Medium	MS: Mortar Missing Surface
MT: Mortar Missing Total	NVD: No Visible Defects in Surveyed Length
OB: Obstruction	OBJ: Obstruction At Joint
OJ: Open Joint	OJL: Open Joint large
OJM: Open Joint Medium	OJS: Open Joint Slight
PC: Length Of Pipes Forming Sewer Changes	RF: Fine Roots
RFJ: Fine Roots At Joint	RM: Mass Roots
RMJ: Mass Roots At Joint	RT: Tap Root
RTJ: Tap Root At Joint	SA: Survey Abandoned
SC: Sewer Shape Changes	SS: Surface Damage
ST: Start Of Sewer Survey Length	SW: Surface Wear
V: Vermin (Rats & Mice)	WL: Water Level
X: Pipe Collapsed	