

Refno	Cover	Func	Invert	Size	Size	Shape	Mat	Length	Grad
4013	CO		0	150		CI	VC	29.41	
5501	142.5	CO	140.56	225		CI	VC	21.47	39
5502	142.5	CO	141.02	225		CI	VC	25.08	57
5503	145.39	CO	143.62	225		CI	VC	58.18	23
5504	143.66	CO	140.28	375		CI	VC	75.13	21
5505	142.55	CO	140.65	300		CI	VC	23.11	66
5506	145.39	CO	143.95	225		CI	VC	59.94	18
5507	145.49	CO	145.15	225		CI	VC	97.94	20
5515		CO							
5601	141.85	CO							
5602	141.64	SW	138.44	300		CI	VC	36.67	94
5701	142.46	CO	139.86	225		CI	VC	26	38
5702		CO	141.55						
5703	142.43	CO	139.52	300		CI	VC	10.77	29
5704	143.51	CO	140.92	300		CI	VC	22.85	42
5705	144.48	CO	142.59	300		CI	VC	29.15	46
5901	146.29	CO	143.18	300		CI	VC	73.11	20
5902	147.21	CO							
5903	147.92	CO	144.51	225		CI	VC	6.71	56
5904	147.17	CO							
5905	146.95	SW							
5911		CO							
6501	138.55	CO	132.88	1050	750	EG	BR	10.82	
6502	138.55	CO							
6504	141.99	CO							
6505	142.19	CO	137.51	375		CI	VC	9.85	66
6506	141.28	CO							
6507	141.47	SW							
6513		CO							
6601		CO							
6602	137.54	CO	132.7	1050	750	EG	VC	44.18	
6604	137.44	SW							
6605	141.49	CO							
6701	136.39	CO							
6702	138.66	CO							
6703	136.39	CO	135.26	225		CI	VC	3.16	23
6801	134.94	CO							
6901	134.92	CO							
6902		CO							
7501	143.09	CO							
7502	134.93	CO							
7503	134.76	CO	133.12	225		CI	VC	39.92	181
7904	134.99	CO	133.22	225		CI	VC	14.56	182
7905	133.76	CO							
7906	134.25	CO	131.74	900		CI	CO	12.04	401
7907	135.96	CO	132.62	225		CI	VC	14	17
7908	134.82	CO							
7909	135.22	CO	131.68	1200		CI	CO	6	599
8001	144.42	CO	132.8	1350		CI	CO	173.63	
8701	141.75	CO	132.46	1350		CI	VC	58.2	423
8801	138.9	CO	134.02	225		CI	VC	16.12	85
8802	139.55	CO	136.29	225		CI	VC	22.02	10
8803	135.34	CO							
8804	140.27	CO							
8805	136.66	CO	133.19	225		CI	VC	7.81	14
8906	135.5	CO	132.13	900		CI	CO	101.38	422
9501	152.88	CO							
9502	152.83	SW	151	450		CI	CO	54.71	176
9503		CO							
9601	153.07	CO	0	300		CI	CO	20.23	
9602	153.1	SW	151.41	300		CI	VC	35.23	121
9603	153.49	SW	151.44	450		CI	CO	68.63	158
9604	149.8	CO	151.99	225		CI	VC	20	61
9605		CO							
9606		CO	0	250		CI	VC	5	
9607	140.41	CO							
9608		CO	0	225		CI	VC	34.67	
9903	142.87	CO							
5508		CO							
5509		SW							
5510		SW							
5511		SW							
5512		SW							
5513		SW							
5514		SW							
5515		SW							
5907		CO							
5908		CO							
5909		CO							
6502		CO	144.39	150		CI	VC	7.21	80
6508		CO	134.84	1050	750	EG	VC	10.63	399
6509		CO	137.36	375		CI	CO	10.77	27
6512		CO	138.85	100		CI	VC	25.98	
6704		CO	134.13	225		CI	VC	20.88	22
6705		CO	0	1190	750	EG	BR	65.12	
6802		CO	132.17	1050	750	EG	VC	30.39	
6803		CO	132.07	1170	750	EG	BR	49.77	111
7102		CO							
7103		CO	131.84	1050	750	EG	VC	11.2	712
9504		CO	150.75	300		CI	VC	31.38	349
9505		CO	151.12	300		CI	CO	35.23	252
9605		SW	0	225		CI	VC	33.12	
9608		SW	0	450		CI	CO	20.95	
9803		CO	132.32	1350		CI	CO	57.97	
5604		CO							
5910		CO							
6511		CO							
7901		CO							
7911		CO							

WASTE WATER SYMBOLGY

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ABANDONED PIPE

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MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	LN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement	DI	Ductile Iron
BR	Brick	PVC	Polyvinyl Chloride
PE	Polyethylene	CI	Cast Iron
RP	Reinforced Plastic Matrix	SI	Spun Iron
CO	Concrete	ST	Steel
CSB	Concrete Segment Bolted	VC	Vitrified Clay
CSU	Concrete Segment Unbolted	PP	Polypropylene
CC	Concrete Box Culverted	PF	Pitch Fibre
PSC	Plastic/Steel Composite	MAC	Masonry, Coursed
GRC	Glass Reinforced Concrete	MAR	Masonry, Random
GRP	Glass Reinforced Plastic	U	Unspecified

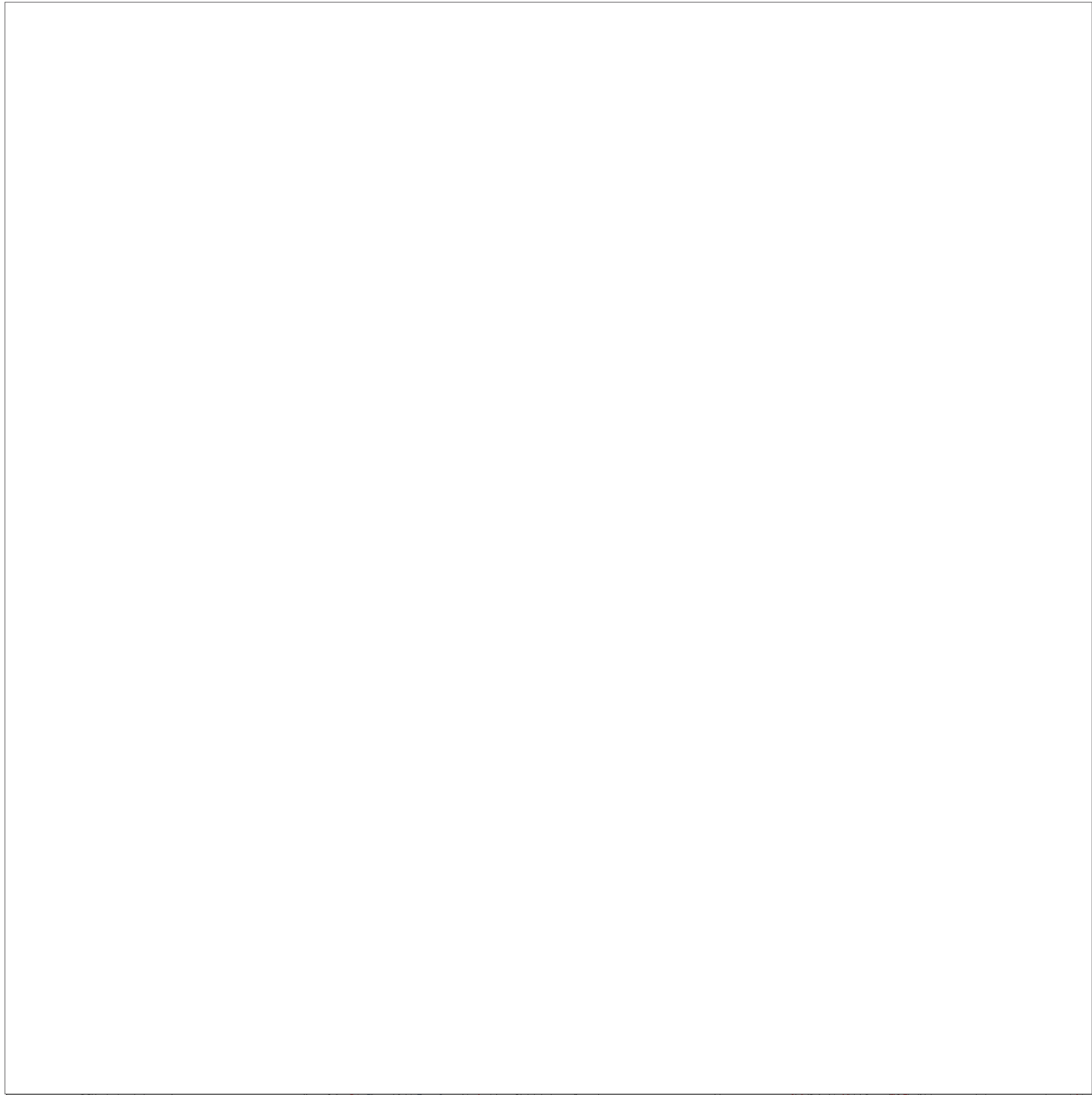
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Refno	Cover Func	Invert	Size	Size	Shape	Mat	Length	Grad
8217	CO							
8313	CO							
8316	CO							
7411	CO	0	3950	CI	CO		50.43	
7114	CO							

WASTE WATER SYMBOLOGY

					Manhole
					Manhole, Side Entry
					Mainsewer, Public
					Mainsewer, Private
					Mainsewer, S104
					Rising Main, Public
					Rising Main, Private
					Rising Main, S104
					Highway Drain, Private

	WW Site Termination		Sludge Main, Public
	Air Valve		Sludge Main, Private
	Cascade		Sludge Main, S104
	Non Return Valve		
	Extent of Survey		
	Flow Meter		
	Gulley		
	Hatch Box		
	Head of System		
	Hydrobrake / Vortex		
	Inlet		
	Inspection Chamber		
	Bifurcation		
	Catchpit		
	Contaminated Surface Water		
	WW Pumping Station		
	Sludge Pumping Station		
	Sewer Overflow		
	T Junction/Saddle		
	LampHole		
	OilInterceptor		
	PenStock		
	Pump		
	RoddingEye		
	Soakaway		
	Summit		
	Valve		
	Valve Chamber		
	Washout Chamber		
	DropShaft		
	WW Treatment Works		
	Septic Tank		
	Vent Column		
	Network Storage Tank		
	Orifice Plate		
	Vortex Chamber		
	Penstock Chamber		
	Blind Manhole		

ABANDONED PIPE

	Mainsewer
	Rising Main
	Highway Drain
	Sludge Main

	Control Kiosk
	Unspecified

LEGEND

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	LN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement	DI	Ductile Iron
BR	Brick	PVC	Polyvinyl Chloride
PE	Polyethylene	CI	Cast Iron
RP	Reinforced Plastic Matrix	SI	Spun Iron
CO	Concrete	ST	Steel
CSB	Concrete Segment Bolted	VC	Vitrified Clay
CSU	Concrete Segment Unbolted	PP	Polypropylene
CC	Concrete Box Culverted	PF	Pitch Fibre
PSC	Plastic/Steel Composite	MAC	Masonry, Coursed
GRC	Glass Reinforced Concrete	MAR	Masonry, Random
GRP	Glass Reinforced Plastic	U	Unspecified

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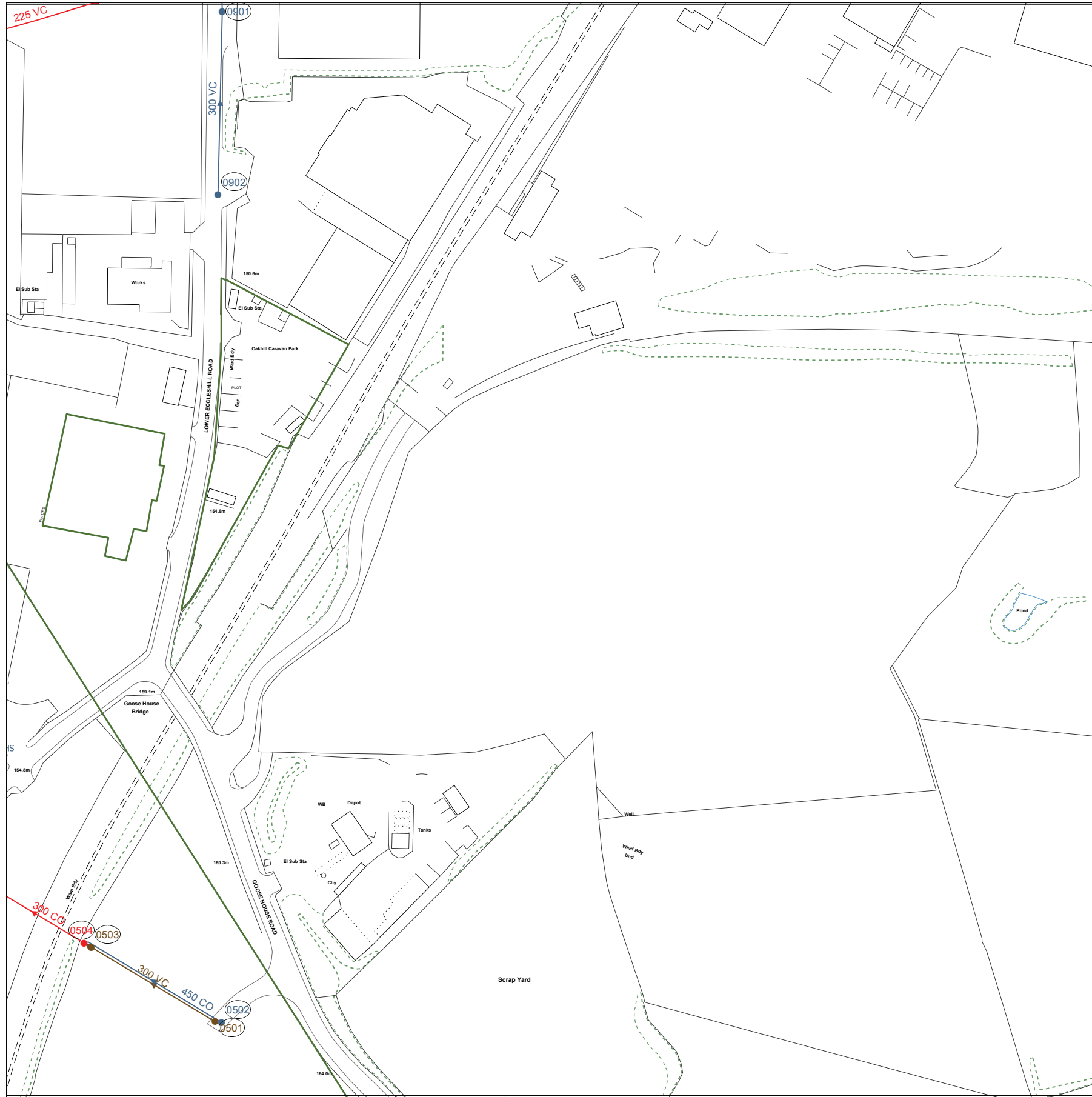
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Refno	Cover	Func	Invert	Size	Shape	Mat	Length	Grad
0501	FO		0	300	CI	VC	66.31	
0502	SW		0	450	CO	CC	73.4	
0503	FO		0	300	CO	CC	53.93	
0504	CO		143.54	300	VC	VC	66.03	
0901	145.18	SW						
0902	146.35	SW						

WASTE WATER SYMBOLOGY

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ABANDONED PIPE

--	--	--	--

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	LN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement	DI	Ductile Iron
BR	Brick	PVC	Polyvinyl Chloride
PE	Polyethylene	CI	Cast Iron
RP	Reinforced Plastic Matrix	SI	Spun Iron
CO	Concrete	ST	Steel
CSB	Concrete Segment Bolted	VC	Vitrified Clay
CSU	Concrete Segment Unbolted	PP	Polypropylene
CC	Concrete Box Culverted	PF	Pitch Fibre
PSC	Plastic/Steel Composite	MAC	Masonry, Coursed
GRC	Glass Reinforced Concrete	MAR	Masonry, Random
GRP	Glass Reinforced Plastic	U	Unspecified

LEGEND

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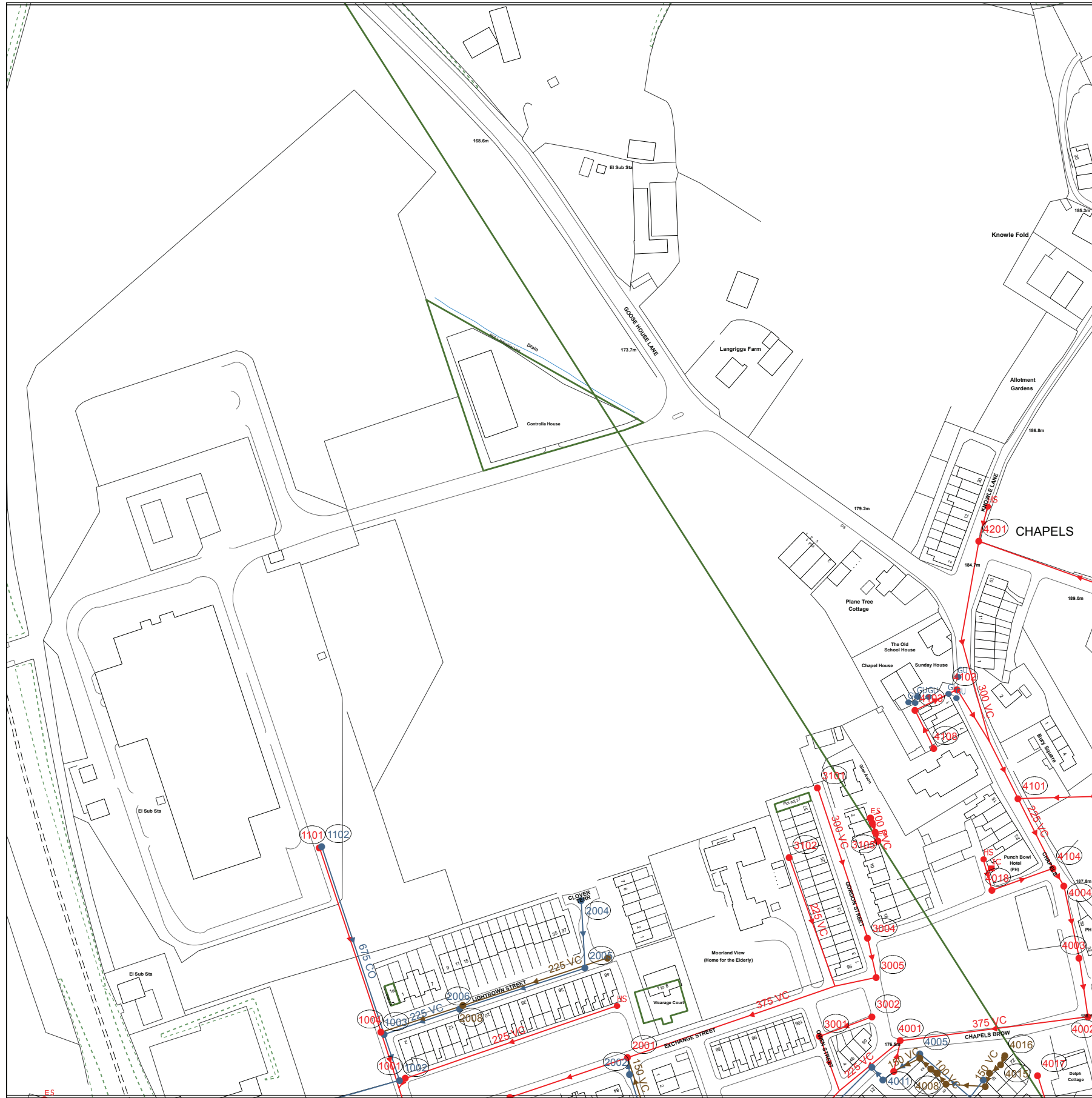
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WASTE WATER SYMBOLGY

Foul	Surface	Combined	Overflow	Manhole
				Manhole
				Manhole, Side Entry
				Mainsewer, Public
				Mainsewer, Private
				Mainsewer, S104
				Rising Main, Public
				Rising Main, Private
				Rising Main, S104
				Highway Drain, Private

Foul	Surface	Combined	WW Site Termination	Sludge Main, Public

LEGEND

MANHOLE FUNCTION

- FO Foul
- SW Surface Water
- CO Combined
- OV Overflow

SEWER SHAPE

- CI Circular
- EG Egg
- OV Oval
- FT Flat Top
- RE Rectangular
- SQ Square
- TR Trapezoidal
- AR Arch
- BA Barrel
- HO HorseShoe
- LN Unspecified

SEWER MATERIAL

- AC Asbestos Cement
- BR Brick
- PE Polyethylene
- RP Reinforced Plastic Matrix
- CO Concrete
- CSB Concrete Segment Bolted
- CSU Concrete Segment Unbolted
- CC Concrete Box Culverted
- PSC Plastic/Steel Composite
- GRC Glass Reinforced Concrete
- GRP Glass Reinforced Plastic
- DI Ductile Iron
- PVC Polyvinyl Chloride
- CI Cast Iron
- SI Spun Iron
- ST Steel
- VC Vitrified Clay
- PP Polypropylene
- PF Pitch Fibre
- MAC Masonry, Coursed
- MAR Masonry, Random
- U Unspecified

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