

Kier Services Exchange Station Tithebarn Street

Liverpool L2 2QP

United Utilites Water Limited

Property Searches Ground Floor Grasmere House Lingley Mere Business Park Great Sankey Warrington WA5 3LP DX 715568 Warrington Telephone 0370 751 0101

Property.searches@uuplc.co.uk

 Your Ref:
 1070133-SG

 Our Ref:
 14/ 1159068

 Date:
 26/11/2015

FAO:

Dear Sirs

Location: Simpson Ground Playing Fields Hillfoot Road Liverpool L25

I acknowledge with thanks your request dated 24/11/15 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site. The enclosed plans are being provided to you subject to the United Utilities Terms and Conditions - Wastewater & Water Distribution Plans which are shown overleaf.

I also attach United Utilities' General Condition and Information sheets regarding United Utilities wastewater network and water distribution apparatus, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. You should ensure that the Condition and Information sheets are made available to anyone carrying out any works which may affect our apparatus.

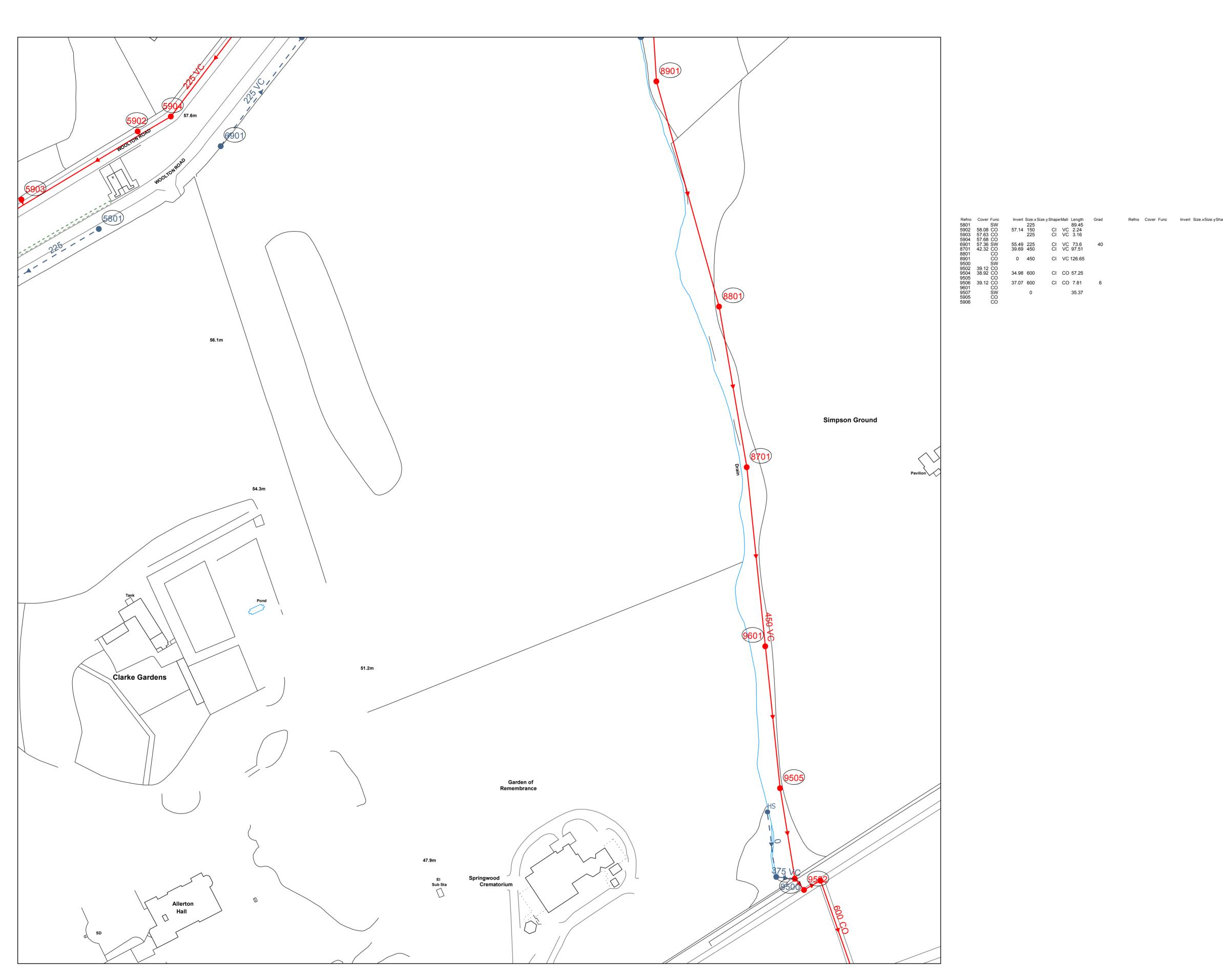
I trust the above meets with you requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0370 7510101.

Yours Faithfully,

SMCManus.

Sue McManus Operations Manager Property Searches



OS Sheet No: SJ4185NE

Scale: 1: 1250 Date: 26/11/2015

WASTE WATER SYMBOLOGY

Foul	Surface	Combined	Overflow
•	•	-	-
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Foul Surface Combined

🎳 💣 ě Air Valve

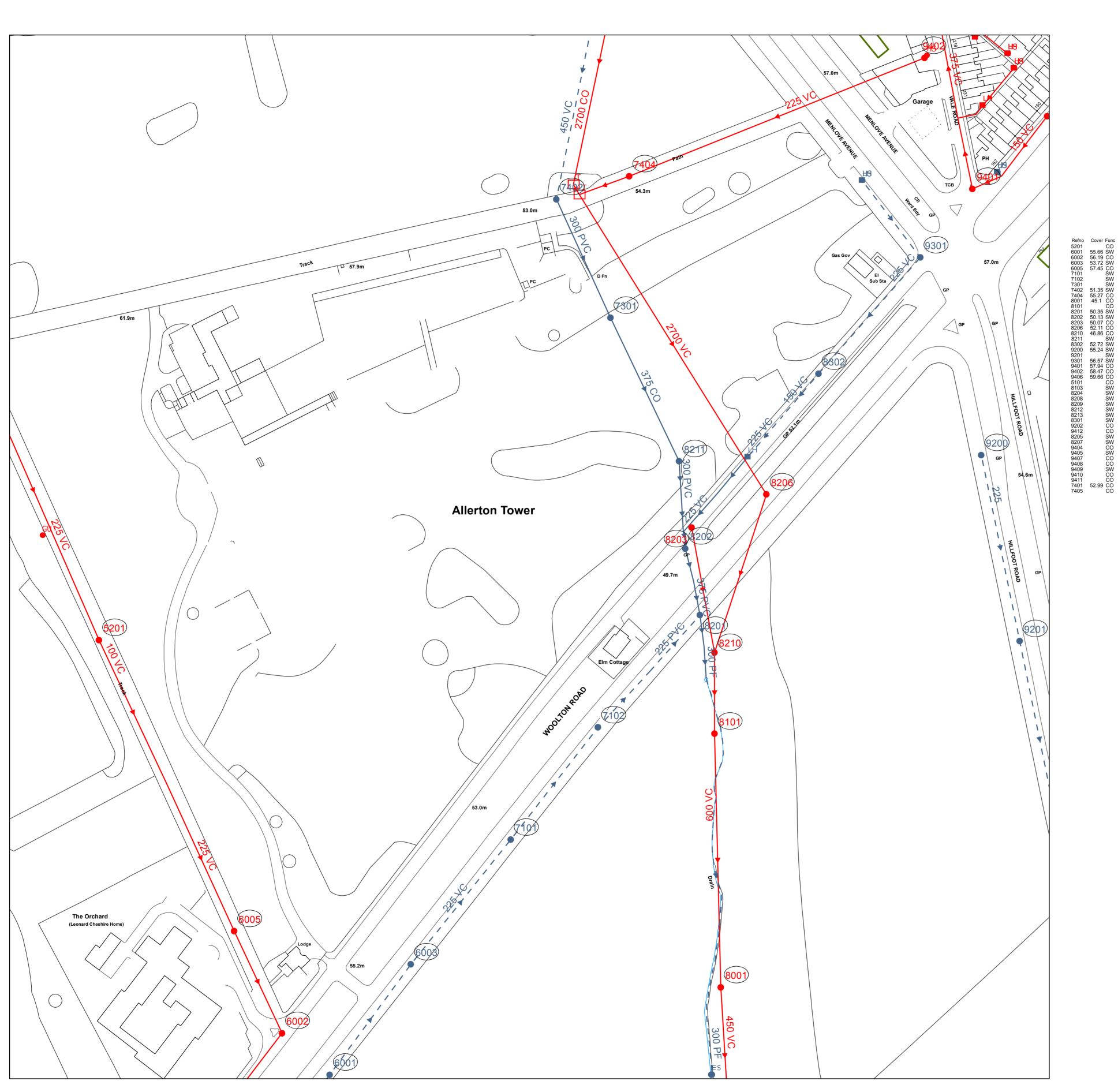
Manhole Manhole, Side Entry MainSewer, Public MainSewer, Private MainSewer, S104 Rising Main, Public Rising Main, Private Rising Main, S104 Highway Drain, Private o o O WW Site Termination Sludge Main, Public — 🛌 - Sludge Main, Private ---- Sludge Main, S104

.yShape Matl	Length	Grad

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CA .	CA	e CA	Cascade			5186ge (81811, 5164
NRV	NRV	.NRV	Non Return Valv	e		ONED PIPE
ES			Extent of Survey			MainSewer
FM	FM	FM	Flow Meter		<u> </u>	Rising Main
gu	GU	GU	Gulley			Highway Drain
HA	HA	HA	Hatch Box			Weak and Interfaced
HS	HS	HS			105 - Ce	Sludge Main
HY	HY		Head of System			
	•	HY	Hydrobrake / Vo	rtex		
•	•	•	Inlet			
		IC.	Inspection Cham	ber		
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		(CA)	Catchpit			
\bigcirc	ő	\smile	Contaminated Su	ufaca Wata		
			WW Pumping Sta			
A		v	Sludge Pumping	Station		
		→ □ →	Sewer Overflow			
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LH	LH	LH	LampHole			
•	01	-	OilInterceptor			
PE	PE	PE	PenStock			
•	A	A	Pump			
RE	RE	.RE	RoddingEye			
		. SO	Soakaway			
SM	SM	SM	Summit			
•VA	VA	VA	Valve			
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			Washout Chamb	er		
DS WVTW	• DS	OS WeTW	DropShaft			
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ST		ST	Septic Tank			
Ξ.		1 4	Vent Column			
, T	T	Ċ.	Network Storage	Tank		
• •	OP	OP	Orifice Plate			
0	0	()	Vortex Chamber			
0	- 1-3	0	Penstock Chambe			
	0			21		
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OV	Overflo	w				
	ER SHAF	_				
CI	Circular		TR Trapezoidal			
EG	Egg		AR Arch			
OV	Oval		BA Barrel			
FT	Flat Top		HO HorseShoe			
RE	Rectang	Julai	UN Unspecified			
SQ	Square					
	ER MATE			DI	Ductile Iror	
AC		tos Cement		PVC	Polyvinyl C	
BR PE	Brick	hulana		CI	Cast Iron	
RP		hylene rced Plastic	Matrix	SI	Spun Iron	
со	Concre		Marix	ST	Steel	
CSB		te Segment	Bolted	VC	Vitrified Cla	av
CSU		te Segment		PP	Polypropyl	
CC		ete Box Culv		PF	Pitch Fibre	
PSC		/Steel Comp		MAC	Masonry, C	Coursed
GRC		Reinforced (MAR	Masonry, R	
GRP		Reinforced F		U WR on this	Unspecified	proximate only and is given in
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SEWER RECORDS



OS Sheet No: SJ4186SE

	Refno 5201	Cover	Func CO	Invert 0	Size.x Size.y S 100	Shape CI		Length 77.39	Grad
6	6001 6002	55.66 56.19	SW CO	53.38		CI		79.2	158
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8	210 211 302 200 201	46.86 52.72 55.24	SW SW	0 51.54 53.54	300 150 225	CI CI		17.03 26.25 91.38	2625
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WASTE WATER SYMBOLOGY

Foul	Surface	Combined	Overflow
•	•	-	-
•	•	—	•

Foul Surface Combined

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🎳 💣 ě Air Valve

🎳 Cascade

📲 📲 😽 😽 Non Return Valve

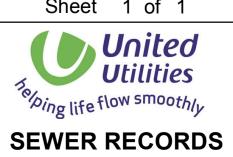
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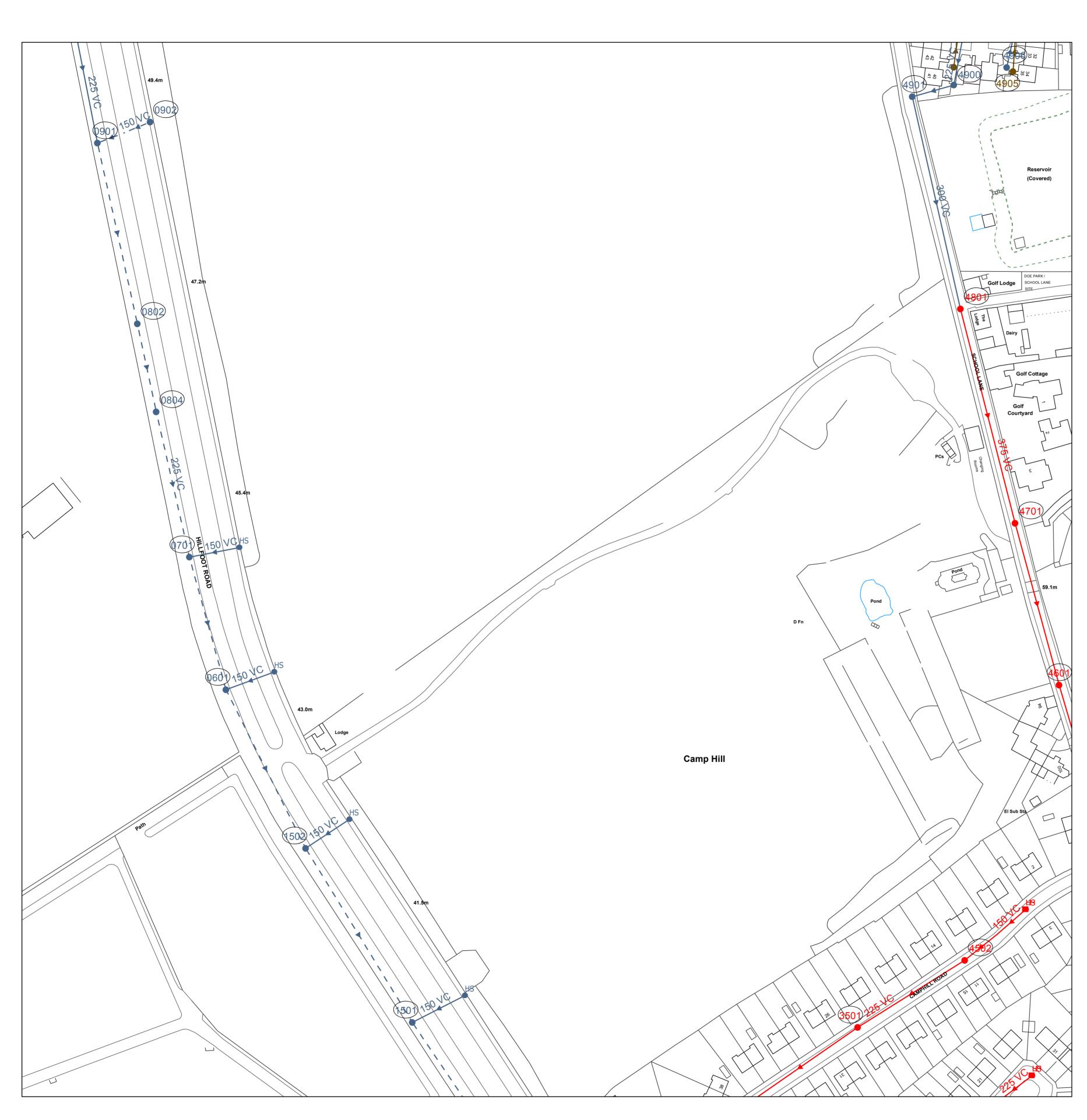
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Manhole Manhole, Side Entry MainSewer, Public MainSewer, Private MainSewer, S104 Rising Main, Public Rising Main, Private Rising Main, S104 Highway Drain, Private O O WW Site Termination Sludge Main, Public — 🛌 - Sludge Main, Private ---- Sludge Main, S104 ABANDONED PIPE

Refno	Cover Func	Invert	Size.xSize.yShape Matl	Length	Grad

•	•	•	Nor	n Return Valve			ONED PIPE	
ES	E5	•ES	Exte	ent of Survey		-	MainSewer	
FM	FM	FM	Eloy	w Meter				
GU	GU	GU					Rising Main	
•			Gul	ley			Highway Drain	
•	•	•	Hat	ch Box		<u> </u>	Sludge Main	
HS	HS	e HS	Hea	d of System				
HY	HY	HY	Hyd	robrake / Vortex				
N.	IN	IN	Inle					
			Insp	ection Chamber				
\square	\square	\square	Bifu	ircation				
(A)		(CA)	Cati	chpit				
9	ő	\smile						
	0		Con	taminated Surface	Water			
		A	WW	Pumping Station				
A			Slue	dge Pumping Static	n			
		→ İ →	Sev	ver Overflow				
凸	西	6	ты	nction/Saddle				
LH	LH	-	Lam	pHole				
•	•	•	Oill	nterceptor				
PE	PE	PE	Per	Stock				
	1							
•	A	-	Pun	np				
RE	RE	e RE	Roc	ldingEye				
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VA	VA							
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DS	DS	DS						
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OP OP	•	•	Orif	ice Plate				
0			Vort	ex Chamber				
0	0	0	Pen	stock Chamber				
0	0	0	Blin	d Manhole				
Foul S	urface Co	ombined Over	rflow					
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ov	Overflov							
	ER SHAF							
CI	Circular	-	TR	Trapezoidal				
EG	Egg		AR	Arch				
OV	Oval		BA	Barrel				
FT	Flat Top		НО	HorseShoe				
RE	Rectang	ular	UN	Unspecified				
SQ	Square							
SEWE	ER MATE	RIAL						
AC	Asbest	os Cement			DI	Ductile Iron		
BR	Brick				PVC	Polyvinyl C	Chloride	
PE	Polyet	hylene			CI	Cast Iron		
RP	Reinfo	rced Plastic	Matrix	K	SI	Spun Iron		
CO	Concre	ete			ST	Steel		
CSB	Concre	te Segment	Boltee	b	VC	Vitrified Cla	ау	
CSU	Concre	te Segment	Unbo	lted	PP	Polypropyle	ene	
СС	Concre	te Box Culv	erted		PF	Pitch Fibre		
PSC	Plastic	/Steel Comp	oosite		MAC	Masonry, C	Coursed	
GRC		Reinforced (MAR	Masonry, R		
GRP		Reinforced F			U 	Unspecified		
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OS Sheet No: SJ4285NW

Refno	Cover Func	Invert	Size.x Siz	ze.yShape	Matl	Length	Grad
0601	43.48 SW						
0701 0802	45.12 SW 46.95 SW	45.15	225	CI	VC	42.95	
0802	40.33 SW SW	45.15	225	CI	vo	42.55	
0901	48.91 SW						
0902	48.79 SW	47.97	150	CI	VC	13	22
1501 1502	40.76 SW 41.81 SW						
3501	45.7 CO	43.35	225	CI	VC	67.34	26
4502	49.31 CO	46.51	225	CI		60.21	26
4601	57.49 CO	54.19	375	CI	VC		29
4701 4801	60.05 CO 63.2 CO	56.22 59.18	375 375	CI CI		79.81 105.26	40 36
4900	03.2 CO SW	0	300	CI		20.64	50
4901	65.29 SW	61.19	300	CI		103.59	58
4903	FO	0	225	CI		16.11	
4905 4906	FO 63.69 SW	0	225 150	CI CI		19.3 15.61	
0903	SW	0	100	01	•0	10.01	
1600	SW	0	150	CI		27.97	
1700	SW	0	150	CI		24.36	
1701 1702	SW SW	0	150 150	CI CI		24.04 24.86	
4503	co	0	100	01	•0	24.00	
4501	CO						
4504	CO						

WASTE WATER SYMBOLOGY

Foul	Surface	Combined	Overflow
•	•	-	-
•	•	—	•

Foul Surface Combined

CA

• 5

CA

NRV

ES

🎳 💣 ě Air Valve

🍧 🍯 🍯 Flow Meter

🎳 Cascade

💦 🚽 Non Return Valve

Extent of Survey

Manhole Manhole, Side Entry MainSewer, Public MainSewer, Private MainSewer, S104 Rising Main, Public Rising Main, Private Rising Main, S104 Highway Drain, Private o o o WW Site Termination Sludge Main, Public — 🛌 - 🛛 Sludge Main, Private ---- Sludge Main, S104 ABANDONED PIPE → MainSewer ----- Rising Main →-- Highway Drain

Refno Cover Func Invert Size.xSize.yShape Matl Length Grad

1	FM	FM	FM	Flo	w Meter		-	Rising Main
	GU	GU	GU	Gul	lev		→	Highway Drain
	HA	HA	HA		ch Box		<u> </u>	Sludge Main
	HS	HS	HS		ad of System			Siddge Main
	HY	HY	ну					
		IN			drobrake / Vortex			
	N		e ^{IN}	Inle	et			
	IC.			Insp	pection Chamber			
	\mathbb{D}	\square	\oplus	Bifu	urcation			
((CA)	\bigcirc	Cat	chpit			
		ő		Cor	ntaminated Surface	e Water		
13					V Pumping Station			
	A				dge Pumping Stati	on		
6			· .		ver Overflow			
16	5	凸	ň					
					unction/Saddle			
0	LH			Lan	npHole			
83	•	•	ě	Oill	Interceptor			
	PE	• PE	PE	Per	nStock			
1				Pur	np			
	RE	RE	RE	Roc	ddingEye			
		50	so		akaway			
	SM	SM	SM		nmit			
13	VA	VA	VA					
		•		∨al				
0	VC)	(vc)	(vo)	Val	ve Chamber			
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Ē	TW I		Ē	WV	V Treatment Work:	5		
5	ST		ST	Sep	otic Tank			
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SEWER RECORDS



OS Sheet No: SJ4286SW

Scale: 1: 1250 Date: 26/11/2015

Refno	Cover Func		Size.x Size.y S			0	Grad
0001	49.98 SW	48.38		CI		72.37	
0101	51.51 SW	49.96	225	CI	VC	92.38	59
0401	60.19 CO	57.04	200	0	VC	26.42	24
0402 0403	60.72 CO 61.23 CO	57.81 0	300 375	CI CI		36.12 25.21	34
3201	70.08 CO	0	375	CI	vC	25.21	
4001	65.12 SW	63.51	225	CI	VC	20.02	400
4002	65.17 FO	63.22		či		23.35	65
4003	64.97 SW	00.22	220	01	••	20.00	00
4005	65.19 FO						
4006	64.72 SW						
4007	64.68 FO						
4008	64.37 SW						
4009	64.4 FO	61.36	225	CI		20.22	72
4010	63.56 FO	62.15	225	CI	VC	15.38	62
4011	63.62 SW	61.57	225	CI	VC	12.35	206
4012	64.1 SW	62.77	225	CI	VC	24.19	55
4013	64.01 FO						
4014 4015	62.88 FO 64.48 SW						
4015	64.55 FO						
4010	65.17 SW						
4018	65.29 FO	63.44	225	CI	VC	12.17	51
4019	66.2 SW	64.7	225	či		24.74	28
4020	66.11 FO	64.17	225	či	vč		31
4021	67.13 FO	65.38	225	Čİ	VČ	16.49	38
4022	67.1 SW	65.73	225	CI	VC	18.97	49
4023	66.78 SW						
4024	66.96 FO						
4025	67.2 FO	65.58	225	CI		7.07	12
4101	70.49 CO	65.22	300	CI	VC	106.8	562
4102	CO		450	~		7 00	
4103	CO		150	CI	VC	7.62	
4201	66.29 CO						
4202 4203	65.73 CO 66.92 CO						
4203	CO		100	CI	VC	13.13	
4200	00		100	0	vo	15.15	

WASTE WATER SYMBOLOGY

Foul	Surface	Combined	Overflow
•	•	-	-
•	•	—	•

Foul Surface Combined

.

NRV

•

🎳 💣 🇳 Air Valve

🎳 🍯 🍯 Flow Meter

🎳 Cascade

Non Return Valve

Extent of Survey

0

CA .

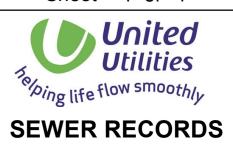
NRV

ES

Manhole Manhole, Side Entry MainSewer, Public MainSewer, Private MainSewer, S104 Rising Main, Public Rising Main, Private Rising Main, S104 Highway Drain, Private O O WW Site Termination Sludge Main, Public — 🛌 - 🛛 Sludge Main, Private ---- Sludge Main, S104 ABANDONED PIPE → MainSewer ----- Rising Main

Refno	Cover	Func	Invert	Size.xSize.yShape Matl	Length	Grad

GU	GU	•		w Meter		-		Rising M	
•	•	GU	Gul	ley		+-	-	Highway	' Drain
•	•	•	Hat	ch Box		<u> </u>	_	Sludge N	1ain
HS	HS	HS .	Hea	id of System					
eHY e	HY	HY	Нус	lrobrake / Vortex					
•	IN	.IN	Inle	t					
IC.	IC	IC		pection Chamber					
			10000000						
	\square	\oplus	Bifu	urcation					
\bigcirc	(CA)	(CA)	Cat	chpit					
	o		Con	taminated Surface	Water				
			<u>_</u> w/w	/ Pumping Station					
A				dge Pumping Statio					
255		v			511				
		→ □ →-	Sev	ver Overflow					
百	酉	凸	TJU	inction/Saddle					
LH	LH	LH	Lam	pHole					
•	0	e	oill	nterceptor					
PE	PE	PE		80					
				nStock					
	A		Pun	np					
RE	RE	RE	Roc	ldingEye					
	so	so	Soa	kaway					
SM	SM	SM		nmit					
VA	VA								
•	•	•	Val	ve					
VC	VC	vo	Val	ve Chamber					
WO	WO	ow	Wa	shout Chamber					
DS	DS	DS	Dro	pShaft					
		Watw		POSSE NORMAL POS					
Ш			WW	/ Treatment Works	5				
ST		ST	Sep	itic Tank					
- 1			Ven	t Column					
		Ē.	Net	work Storage Tank					
•••	OP	OP		ice Plate					
0	0			ex Chamber					
	0	\bigcirc	Pen	stock Chamber					
0	0	0	Blin	d Manhole					
		ombined Ove							
	Ħ		S	creen Chamber				CK	Control Kiosk
•••	• DP	•	D	ischarge Point				•	Unspecified
+-(→ (·	+(+	-(0	utfall					
				LEGENI	כ				
ΜΔΝ		UNCTION		220211					
FO	Foul								
SW	Surface	Water							
CO	Combir								
OV	Overflo								
SEWE CI	ER SHAF Circular		TR	Trapezoidal					
			AR						
EG	Egg			Arch					
OV	Oval		BA	Barrel					
FT	Flat Top		HO	HorseShoe					
RE	Rectang	gular	UN	Unspecified					
SQ	Square								
SEWE	ER MATE	RIAL							
AC	Asbes	tos Cement			DI	Ductile	Iron		
BR	Brick				PVC	Polyvin	nyl Cł	nloride	
PE	Polyet	hylene			CI	Cast Ir			
RP	Reinfo	rced Plastic	Matrix	ĸ	SI	Spun I	ron		
CO	Concre	ete			ST	Steel			
CSB	Concre	ete Segment	Bolte	d	VC	Vitrified	d Cla	у	
CSU	Concre	ete Segment	Unbo	Ited	PP	Polypro	opyle	ne	
CC	Concre	ete Box Culv	rted		PF	Pitch F	ibre		
PSC	Plastic	/Steel Com	posite		MAC	Mason	iry, Co	oursed	
GRC	Glass	Reinforced (Concre	ete	MAR	Masonr	ry, Ra	andom	
GRP	Glass	Reinforced I	Plastic		U	Unspec	-		
-								orovimate	only and is given in
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				Sheet		of	1		



These general conditions and precautions apply to the wastewater network of United Utilities

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1 United Utilities provides the approximate locations of its sewers according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of every sewer culvert or drain, private connections from properties to the public sewers or the particulars of any private system. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated. The records do indicate the position of the nearest known public sewer from which the likely length of private connections can be estimated together with the need for any off site drainage rights or easements.

2 Special requirements relative to our sewers may be indicated. United Utilities employees or its contractors will visit any site at reasonable notice to assist in the location of its underground sewers and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, or any notification required under these General Conditions, please call us on 0345 602 0406.

3 Where public sewers are within a site which is to be developed and do not take any drainage from outside the area, they are from an operational viewpoint redundant. The developer must identify all redundant sewers affected by the development and apply to United Utilities in writing for these sewers to be formally closed. The developer shall bear all related costs of the physical abandonment work.

4 Public sewers within the site that are still live outside the area will be subject to a "Restricted Building zone". This would normally be a surface area equivalent to the depth of the sewer measured from the centre line of the sewer on either side. No construction will be permitted within that zone. The developer should also note that deep and wide rooted trees must not be planted in close proximity to live sewers. Access to public sewers must be maintained at all times and no interference to manholes will be permitted during construction work.

5. Where there is a public sewer along the line of a proposed development/building, arrangements shall be made by the developer at his cost to divert the sewer around the development. Where this is not possible and as a last resort, a "Building Over Agreement" will need to be completed under section 18 of the Building Act 1984. The developer shall design building foundations to ensure that no additional loading is transferred to the sewer and submit such details both to the Local Authority's Building Control Officer and to United Utilities for approval/acceptance. United Utilities on a rechargeable basis would normally undertake all aspects of design work associated with the diversion of any part of the operational wastewater network. For further advice please email

wastewaterdeveloperservices@uuplc.co.uk

- 6. Where there is a non-main river watercourse/culvert passing through the site, the landowner has the responsibility of a riparian owner for the watercourse/culvert and is responsible for the maintenance of the fabric of the culvert and for all works involved in maintaining the unrestricted flow through it. Building over the watercourse/culvert is not recommended. The developer must contact the local authority before any works are carried out on the watercourse/culvert. Where it is necessary to discharge surface water from the site into the watercourse/culvert the developer shall make an assessment of the available capacity of the watercourse/culvert (based on a 1 in 50 year event) and ensure that the additional flow to be discharged into the watercourse/culvert will not cause any flooding. In appropriate cases, flooding may be prevented by on-site storage. The developer shall submit the relevant details required to substantiate his development proposals. Details of any outfall proposed shall also be submitted to the Environment Agency, PO Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HT for their approval.
- Where there is a main river watercourse/culvert passing 7. through the site, the developer shall submit all proposals affecting the river to the Environment Agency at the address stated in paragraph 6 for approval/acceptance.

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8. Your attention is drawn also to the following:

Private drains or sewers which may be within the site.

On 1 October 2011 all privately owned sewers and lateral drains which communicate with (that is drain to) an existing public sewer as at 1 July 2011 will become the responsibility of the sewerage undertaker. This includes private sewers upstream of pumping stations that have yet to transfer, but excludes lengths of sewer or drain that are the subject of an on-going appeal or which have been excluded from transfer as a result of an appeal or which are on or under land opted-out by a Crown body. The transfer specifically excludes sewers upstream of such assets, however, are transferred. Such assets may not be recorded on the public sewer record currently as it was not a requirement to keep records of previously private sewers and drains.

Applications to make connections to the public sewer.

The developer must write to United Utilities requesting an application form that must be duly completed and returned. No works on the public sewer shall be carried out until a letter of consent is received from United Utilities.

Sewers for adoption If an agreement for the adoption of sewers under Section 104 of the Water Industry Act 1991 is being contemplated, a submission in accordance with "Sewers for Adoption", Seventh Edition, published by the Water Research Centre (2001) Plc, Henley Road, Medmenham, PO Box 16, Marlow, Buckinghamshire, SL7 2HD will be required, taking into consideration any departures from the general guide stipulated by United Utilities.

Further consultation with United Utilities.

Developers wishing to seek advice or clarification regarding sewer record information provided should contact United Utilities to arrange an appointment. A consultation fee may be charged, details of which will be made available at the time of making an appointment.

9. Combined sewers, foul sewers, surface water sewers, and pumped mains. These are shown separately in a range of colours or markings to distinguish them on our drawings, which are extracts from the statutory regional sewer map. A legend and key is provided on each extract for general use, although not all types of sewer will be shown on every extract. **Combined sewers shown coloured red** carries both surface water and foul sewage, especially in areas where there is no separate surface water sewerage system.

Foul sewers coloured brown may also carry surface water and there may be no separate surface water system indicated in the immediate area. Both combined and foul sewers carry wastewater to our treatment works before it can safely be returned to the environment.

Surface water sewers coloured blue on our drawings are intended only to carry uncontaminated surface water (e.g. rainfall from roofs, etc) and they usually discharge into local watercourses. It is important for the protection of the environment and water quality that only uncontaminated surface water is connected to the surface water sewers. Improper connections to surface water sewers from sink wastes, washing machines and other domestic use of water can cause significant pollution of watercourses.

Pumped mains, rising mains and sludge mains will all be subject to pumping pressures and are neither suitable nor available for making new connections.

Highway drains, when included, show as blue and black dashed lines. Highway drains are not assets belonging to United Utilities and are the responsibility of local authorities.

- 1. For information regarding future proposals for construction of company apparatus please write to United Utilities, PO Box 453, Warrington, WA5 3QN.
- For information regarding easements, deeds, grants or wayleaves please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington, WA5 3UU Tel: 01925 731 365

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These general conditions and precautions apply to the water distribution system of United Utilities

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

- United Utilities provides approximate locations of its water mains or apparatus according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of private service pipes from the mains to properties. Where service pipes are shown, a blue broken line indicates their approximate position. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.
- 2. Special requirements relative to our apparatus may be indicated. United Utilities employees will visit any site at reasonable notice to assist in the location of its underground water apparatus and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, future proposals for construction of company apparatus or any notification required under these General Conditions, please telephone us on 0345 746 2200 or write to United Utilities, PO Box 453, Warrington, WA5 3QN.
- In order to achieve safe working conditions adjacent to any water apparatus the following should be observed;
 (a) All water apparatus should be located by hand digging prior to the use of mechanical excavation.

(b) During construction work where heavy plant may have to cross the line of a water main, and the main is not under a carriageway of adequate standard of construction, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. These crossing points should be clearly indicated and crossing the line of the water main at other places should be prevented. United Utilities employees will advise on the type of reinforcement necessary. This is particularly important on agricultural or open land, where tilling or erosion may have significantly reduced the original cover. (c) No explosive should be used within 32 metres of any United Utilities apparatus without prior consultation with United Utilities.

(d) Where it is proposed to carry out piling within 15 metres of any water main United Utilities should be consulted so that the affected main may be surveyed.

4. During any excavation, it is important that measures should be taken to ensure continued support for any water main:

(a) Where excavation of trenches adjacent to any water main is likely to affect its support, the main must be supported to the satisfaction of United Utilities.

(b) Where a trench is excavated crossing or parallel to the line of a water main, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the main. In special cases it may be necessary to provide permanent support to a main which has been exposed over the length of the excavation before back-filling and reinstatement is carried out. No backfilled concrete should contact the main.

5. No other apparatus should be laid over and along the line of a water main irrespective of clearance. A minimum clearance of 450 millimetres should be allowed between any plant being installed and an existing main, to facilitate maintenance and repair, whether the adjacent plant is parallel to or crossing the main. No manhole, chamber, or other obstruction should be built over or around a water main.

6. Where a water main is coated with special wrapping and the wrapping is damaged, even to a minor extent, United Utilities must be notified, and the excavation must be left open for ready access so that repairs can be made. In case of any material damage to the main itself causing leakage, or weakening of the mechanical strength of the pipe, the person or body responsible should immediately notify United Utilities in order that the necessary remedial work can be carried out. The full cost of the necessary remedial work will be charged to the person or body responsible for the damage.

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- If you propose to change existing levels over water mains you will need to inform us. We will need specific locations to be identified together with precise details as to the scale of the proposed changes to existing ground levels. Changes to existing levels may require the diversion of our apparatus at your cost. However, in certain circumstances we may wish to leave our apparatus where it is. On these occasions you will usually be required to protect our apparatus by means of a concrete raft and either raise or lower any surface boxes affected.
- 2. Under no circumstances should our surface boxes be either buried or left in a situation where they are raised above finished ground levels. You should reuse and reset any surface boxes affected by your works into the new surface so that they align over the water apparatus below. You will be responsible for the cost of repairing any damage to our apparatus as a result of your works.
- 3. Where proposals involve resurfacing, you must notify United Utilities if your excavation will be greater than 750mm in the highway and 300mm in a footpath, verge or other location.
- For information regarding easements, deeds, grants, licences or wayleaves, please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (Tel 01925 731 365).

Tree planting restrictions over water mains

a) Poplar and willow trees have extensive root systems and should not be planted within 10 metres of any water main.

b) The following trees and those of a similar size, whether they are deciduous or evergreen, should not be be planted within six metres of any water main:

- Ash, beech, birch, elm, horse chestnut, lime, oak, sycamore;
- Apple trees and pear trees;
- Most conifers.

c) United Utilities requires access to the route of its mains at all times to inspect for leaks and carry out surveys. We recommend that no shrubs or bushes which might obstruct or interfere with our access should be planted within one metre of the centre line of any water main.

d) There may be instances when both United Utilities and the landowner will wish to plant shrubs or bushes close to the water main for screening or other purposes. The following shallow rooting shrubs would be suitable for this purpose:

- Blackthorn, broom, cotoneaster, elder;
- Hazel, laurel, privet, quickthorn, snowberry;
- Most ornamental flowering shrubs.

e) In areas where soft fruit is grown, blackcurrant, raspberries and gooseberries may be planted close to the main, provided that a path is left clear for inspection access and surveys. United Utilities can give additional advice where required in particular circumstances.

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WASTE WATER SYMBOLOGY

Foul	Su	rface	Combined	Overflow				Overflow	N	Foul	Surface	Combine	d		
	1 1 + 1				Manhole Manhole, S MainSewer MainSewer Rising Main Rising Main Rising Main	, Public , Priva , S104 , Public , Priva	c te ic		v Sludge Main, Public Sludge Main, Private Sludge Main, S104 ned Pipe MainSewer Rising Main Highway Drain				Septic Tank Vent Colum Network Sto Orifice Plate Vortex Char Penstock Ch	n orage T e mber	
	_				Highway Dr				Sludge Main	0	0	0	Blind Manh	ole	
Foul Su		Sec. 2	ned		mginuy Di			Combine	200 B	Foul	Surface	Combine	d Overflow		
o AV	0 	0		te Termina	tion	A			Sludge Pumping Station					0.000	n Chamber arge Point
CA	-	CA	Cascad			A	ē	-	Sewer Overflow T Junction/Saddle	+(+(+(Outfa	
NRV.	.NRV	NRV	Non Re	eturn Valve		CH.	-	-	LampHole						
• ^{E3}	• 55		Extent	of Survey		•	•		OilInterceptor				CK	Unspe	ol Kiosk
FM	• ^{FM}	•	Flow N	leter		PE			PenStock	Lege	nd			Unspe	cilleu
eu	eu	eu	Gulley						Pump	FO F	OLE FUNCTIO	CI	VER SHAPE Circular Egg	TR	Trapezoidal Arch
•	•	•	Hatch I	Вох		RE		RE	RoddingEve	co c	Combined Overflow	OV	Oval Flat Top	BA	Barrel HorseShoe
+S	•	•	Head o	of System		-		50	Soakaway			RE	Rectangular	UN	Unspecified
•	•	•	Hydrok	orake / Vor	tex	• ^{5M}	SM	54	Summit		R MATERIAL sbestos Cen		Ductile Iron		
•	•	•	Inlet			VA	VA	VA	Valve	BR B		VC	Vitrified Clay Polypropylene		
			Inspect	tion Chamb	er	(VC)	(10)	()	Valve Chamber	CSB C	Concrete Seg		Pitched Fibre	ed	
\square	\square		Bifurca	tion			NO	WO	Washout Chamber	cc c		Culverted MA		m	
0			Catchp	it		os	DS	25	DropShaft	GR G	lass Reinfor	ced Cl	Cast Iron Spun Iron	1738	
			WW Pu	umping Sta	tion	Ĭ	•	=	WW Treatment Works		Polyvinyl Chlo Polyethylene	oride ST U	Steel Unspecified		

CLEAN WATER SYMBOLOGY

PIPE WORK

Live	Proposed	
		Trunk Main - PressurisedMain
		Raw Water Aqueduct - PressurisedMain
		Raw Water Aqueduct - GravityMain
		LDTM Raw Water Distribution - PressurisedMain
		LDTM Raw Water Distribution - GravityMain
-	-	LDTM Treated Water Distribution - PressurisedMain
		LDTM Treated Water Distribution - GravityMain
		Private Pipe - LateralLine
-		Distribution Main - PressurisedMain
-		Comms Pipe - LateralLine
		Concessionary Service - LateralLine

ABANDONED PIPE

 Trunk Main
 Raw Water Aqueduct
 LDTM Raw Water Distribution
LDTM Treated Water Distribution
 Private Pipe
 Distribution Main
 Comms Pipe
 Concessionary Service

PROPERTY TYPES

Live	Proposed	
x\$x	-	Condition Report
13		Pipe Bridges
11		Tunnels (non carrier)
\triangle	\triangle	Pumping Station
E		Water Treatment Works
-4-	E	Private Treatment Works

NODES/FURNITURES

Live	Proposed		Live	Proposed	
E	E	End Cap	PEH	19531	Private Fire Hydrant
	-5-	CC Valve	-0-	-6-	Pump
+		AC Valve		0	Site Termination
٠		Air Valve		0	Service Start
X	I	Sluice Valve		0	Service End
-	-	Non Return Valve	PM	244	Process Meter
	84	Pressure Management Valve	*		Stop Tap
∇	\bigtriangledown	Change of Characterstic	-	-	Monitor Location
<u>_</u>	12	Anode	SP	SP	Strainer Point
•		Chlorination Point	AP	AP	Access Point
9	0	De Chlorination Point	HB	-	
•		Bore Hole			Hatch Box
inet O	Const.	Inlet Point		-	IP Point
Ð	Ð	Bulk Supply Point	RM		Route Marker
FH	***	Fire Hydrant	SPT	SPT	Sampling Station
H	1	Hydrant	LB	1.0	Logger Box

Live Proposed



Valve House Water Tower Service Reservoir Supply Reservoir Abstraction Point Domestic meter Commercial meter Telemetry Outstation

MAT	FERIAL TYPES	LINI	NG TYPES
AC	ASBESTOS CEMENT	CL	CEMENT LINING
CI	CAST IRON	TB	TAR OR BITUMEN
CU	COPPER	ERL	EPOXY RESIN
co	CONCRETE		
DI	DUCTILE IRON	INSI	ERTION TYPES
GI	GALVANISED IRON		
GR	GREY IRON	DD	DIE DRAWN
OT	OTHERS	DR	DIRECTIONAL DRILLING
PB	LEAD	MO	MOLING
PV	UPVC	PI	PIPELINE
51	SPUN IRON	SL	SLIP LINED
ST	STEEL		
UN	UNKONWN		
PE	POLYETHYLENE		



TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

TERMS AND CONDITIONS:

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.

2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.

3. In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.

4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.

5. The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.

6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.

7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.

8. If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.

9. This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.