

APPENDIX A – PROPOSED DEVELOPMENT



LEGEND

- BIN STORE
- AFFORDABLE UNITS
- GRAY TO GREEN CORRIDOR
- EASEMENT
- EASEMENT
- HUTCHINSONS GOIT
- Proposed dwelling
- Proposed dwelling to be built opposite hand
- Proposed brick built garage
- Proposed garage space
- Common areas of shared drives in contrasting material or kerb edgings to delineate shared drive area
- Proposed 1.8m high feather edge boarded timber screen fence
- Proposed 1.8m high feather edge boarded timber screen fence with P.C.C. posts & gravel boards
- Proposed 1.8m high/0.44m square brick piers at 2.0m ctrs with 0.65m high brick dwarf wall/feather edged boarded infill panels
- Proposed 1.2m high Contemporary railings
- Proposed 1.25m High Post & Rail Fence
- Existing hedge to be retained
- Existing hedge to be removed
- Existing tree to be retained
- Existing tree to be removed

Acoustic Insulation Requirements for Dwellings Fronting onto the A665
For facades shown in red:
Glazing: 29 dB (Rw+Ctr)
Ventilators: 37 dB (DnA,w+Ctr)

**EAST LANCS PAPER MILL
SCHEDULE OF ACCOMMODATION**

NAME	DESCRIPTION	SIZE (sqft)	Units	TOTAL (sqft)
GRASSMERE	1 BED MAISONETTE + PARKING	504	16	8064
WINDERMERE	1 BED MAISONETTE + PARKING	543	22	11946
AMBLESIDE	1 BED MAISONETTE + PARKING	605	16	9680
BUXTON SP	3 BED MEWS + PARKING	961	1	961
BUXTON	3 BED MEWS + PARKING	963	32	30816
BRAMLEY	3 BED MEWS + PARKING	986	4	3944
CALDECK	4 BED MEWS + PARKING	1062	9	9558
Total		100	74929	

PRIVATE APARTMENTS

NAME	DESCRIPTION	SIZE (sqft)	Units	TOTAL (sqft)
ABBEY	2 BED APARTMENT + PARKING	738	21	15498
KENSINGTON	2 BED APARTMENT + PARKING	711	16	11376
EDGEWARE	2 BED FLY OVER APT + PARKING	685	9	6165
ROSEBERRY	2 BED DUPLEX APT + PARKING	703	9	6327
Total		55	39366	

PRIVATE HOUSING - MEWS + SEMIS

NAME	DESCRIPTION	SIZE (sqft)	Units	TOTAL (sqft)
CAMBERLEY	2 BED MEWS + PARKING	753	12	9036
BAKEWELL	2 BED S/A MEWS + PARKING	770	1	770
OTDSBURY	3 BED SEMI-DET + SINGLE GARAGE	804	14	11256
DISLEY	3 BED SEMI-DET + SINGLE GARAGE	934	15	14010
DISLEY	3 BED SEMI-DET + SINGLE GARAGE	1140	4	4560
TIMPERLEY	3 BED SEMI-DET + SINGLE GARAGE	902	3	2706
TIMPERLEY + CAPESTRADORE	3 BED SEMI-DET + SINGLE GARAGE	1164	17	19788
DISLEY	3 BED SEMI-DET + SINGLE GARAGE	947	12	11364
DISLEY	3 BED MEWS + PARKING	934	11	10274
LYNN	3 BED 3 ST MEWS + CARPORT	1111	16	17776
CHICHESTER	3 BED 3 ST S/A MEWS + CARPORT	1158	2	2316
DALTON	3 BED SEMI-DET + GARAGE	938	12	11256
Total		119	116092	

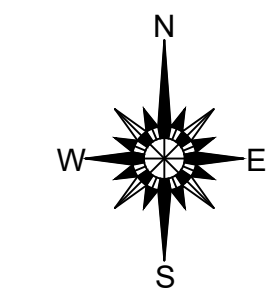
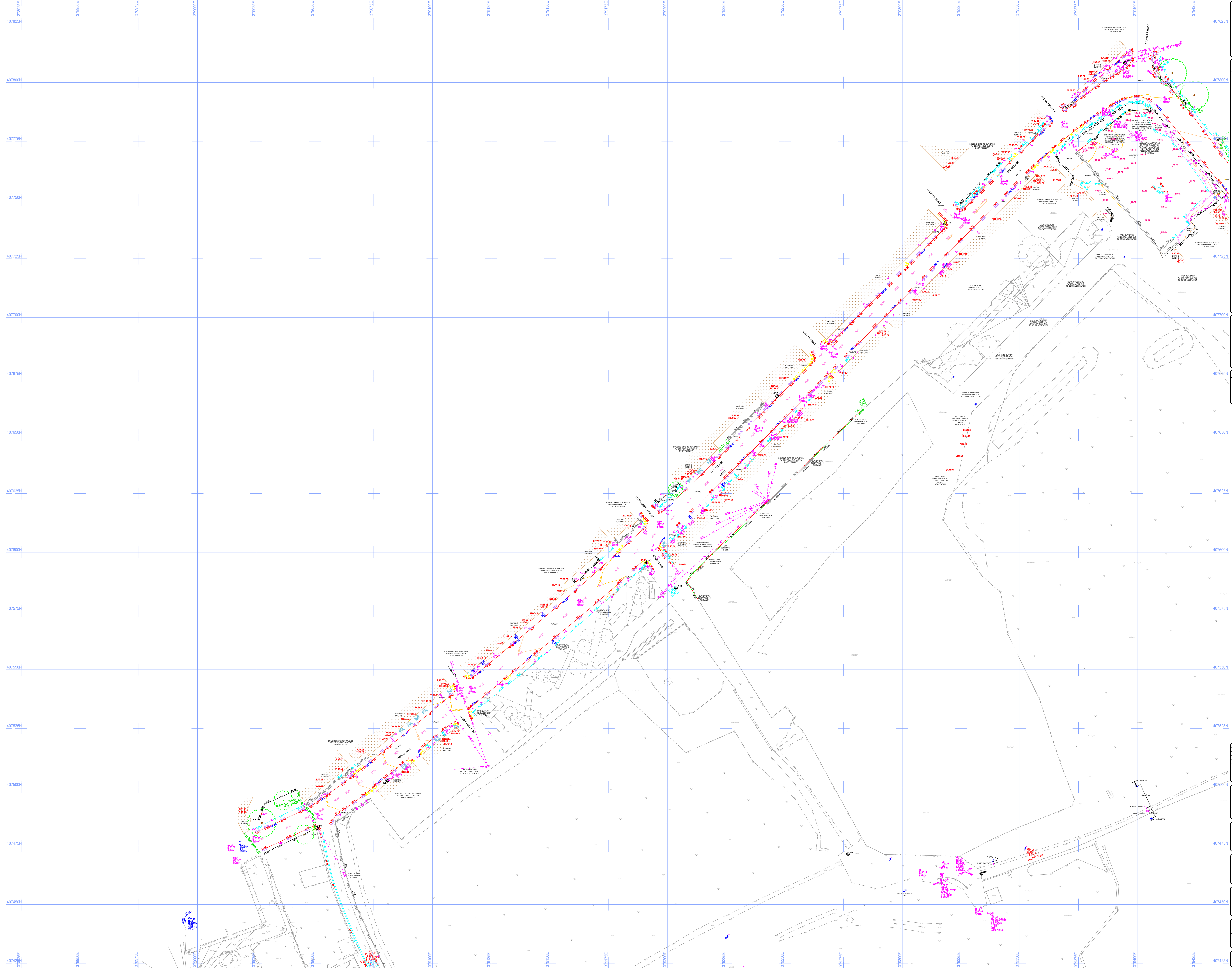
PRIVATE HOUSING - DETACHED - 3 BEDS

NAME	DESCRIPTION	SIZE (sqft)	Units	TOTAL (sqft)
COTSWOLD / RYDALE	3 BED DET + DET SINGLE GARAGE	947	7	6629
DUNENHAM	3 BED DET + DET SINGLE GARAGE	957	20	28710
KNITFORD	3 BED DET + INT SINGLE GARAGE	1056	16	16896
DAVENHAM	3 BED DET + DET SINGLE GARAGE	1176	2	2352
Total		55	54587	

PRIVATE HOUSING - DETACHED - 4 BEDS

NAME	DESCRIPTION	SIZE (sqft)	Units	TOTAL (sqft)
BROXTON / BRANCASTER	4 BED DET + DET SINGLE GARAGE	1170	14	16380
HAULHAM	4 BED DET + DET SINGLE GARAGE	1186	3	3557
ADLINGTON	4 BED DET + INT SINGLE GARAGE	1119	22	24618
ORANLEIGH	4 BED DET + DET SINGLE GARAGE	1158	16	21728
ABINGDON	4 BED DET + INT SINGLE GARAGE	1407	16	22512
Total		71	88805	

APPENDIX B – TOPOGRAPHIC SURVEY



SURVEY ORIENTATED TO OS GRID (OSGB36-15)

SURVEY LEGEND

[illegible]

DISCLAIMER:

ONLY MANHOLES AND SERVICES SHOWN WERE VISIBLE AT THE TIME OF SURVEY.

MAN ENTRY TO SEWERS HAS NOT BEEN UNDERTAKEN. DEPTHS, PIPESIZES ETC ARE MEASURED FROM GROUND LEVEL.

DRAINAGE INFORMATION MUST BE CHECKED AND VERIFIED PRIOR TO ANY WORK COMMENCING.

BOUNDARIES SHOWN ARE PHYSICAL AND MAY NOT REPRESENT LEGALLY CONVEYED OWNERSHIP.

TREE SPREADS ARE SYMBOLIC ONLY AND ARE REPRESENTATIVE OF THE AVERAGE SPREAD. THE TREE CANOPY (LAYER) DENOTES THE TREES EXTREMITY.

SURVEY NOTES

ALL LEVELS ARE RELATED TO O.S DATUM (09GB38-16)
ESTABLISHED AT SE1 USING THE LEICA SMARTNET GPS NETWORK

1				3
2				4
SUBURY STADIUM				
5	Team	Leaving	Notting	Height
6	21	370951 165	40194 487	67.49
7	22	370951 387	40193 071	68.00
8	23	37094 027	40788 203	68.00
9	24	370919 111	40735 050	68.00
10	25	37091 005	40145 200	68.00
11	26	370910 446	40171 890	68.14
12	27	37091 886	40170 281	68.04
13	28	37027 613	40171 560	67.85
14	29	37090 115	40171 560	67.85
15	30	370460 225	40174 362	67.54
16	31	37003 811	40176 481	68.06
17	32	37091 005	40145 200	68.00
18	33	37018 029	40174 038	68.05
19	34	37091 793	40176 481	68.06
20	35	37091 111	40173 050	68.00
21	36	37090 115	40171 560	67.85

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TOPO EXTENSION ADDED	D	07.10.22	MP	-	
TOPO SURVEY UPDATED, DRAINAGE UPDATED	C	22.09.22	BM	-	
BED LEVEL SURVEY ADDED	B	23.08.22	LG	-	
TRIAL HOLE SETTING OUT ADDED	A	04.08.22	BM	-	
DESCRIPTION	REV	DATE	DRWN	APP	



CLIENT
MORRIS HOMES

PROJECT TITLE
CHURCH EAST STREET, RADCLIFFE

DRAWING DETAIL

TOPOGRAPHICAL LAND SURVEY
SHEET 1 OF 2

PROJECT ENGINEER	AS	DATE	09.06.2022
DRAWN	MP	SCALE	1:500@A1

DRAWING NUMBER MH.TS.103	REVISION D
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APPENDIX C – SEWER RECORDS

White Young Green

**Arndale Court
Headingley
Leeds
LS6 2UJ**

FAO: Tom Beavis

Dear Sirs

**Location: THE E LANCS PAPER MILL CO CHURCH ST. EAST RADCLIFFE MANCHESTER M26
2PG**

I acknowledge with thanks your request dated 02/12/16 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 for both the wastewater and water distribution plans which are shown attached.

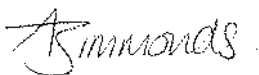
If you are planning works anywhere in the North West, please read our access statement before you start work to check how it will affect our network.

<http://www.unitedutilities.com/work-near-asset.aspx>.

I trust the above meets with your 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,



Amanda Simmonds
Property Searches Manager

United Utilities 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: A090070-193

Our Ref: 16/ 1254069

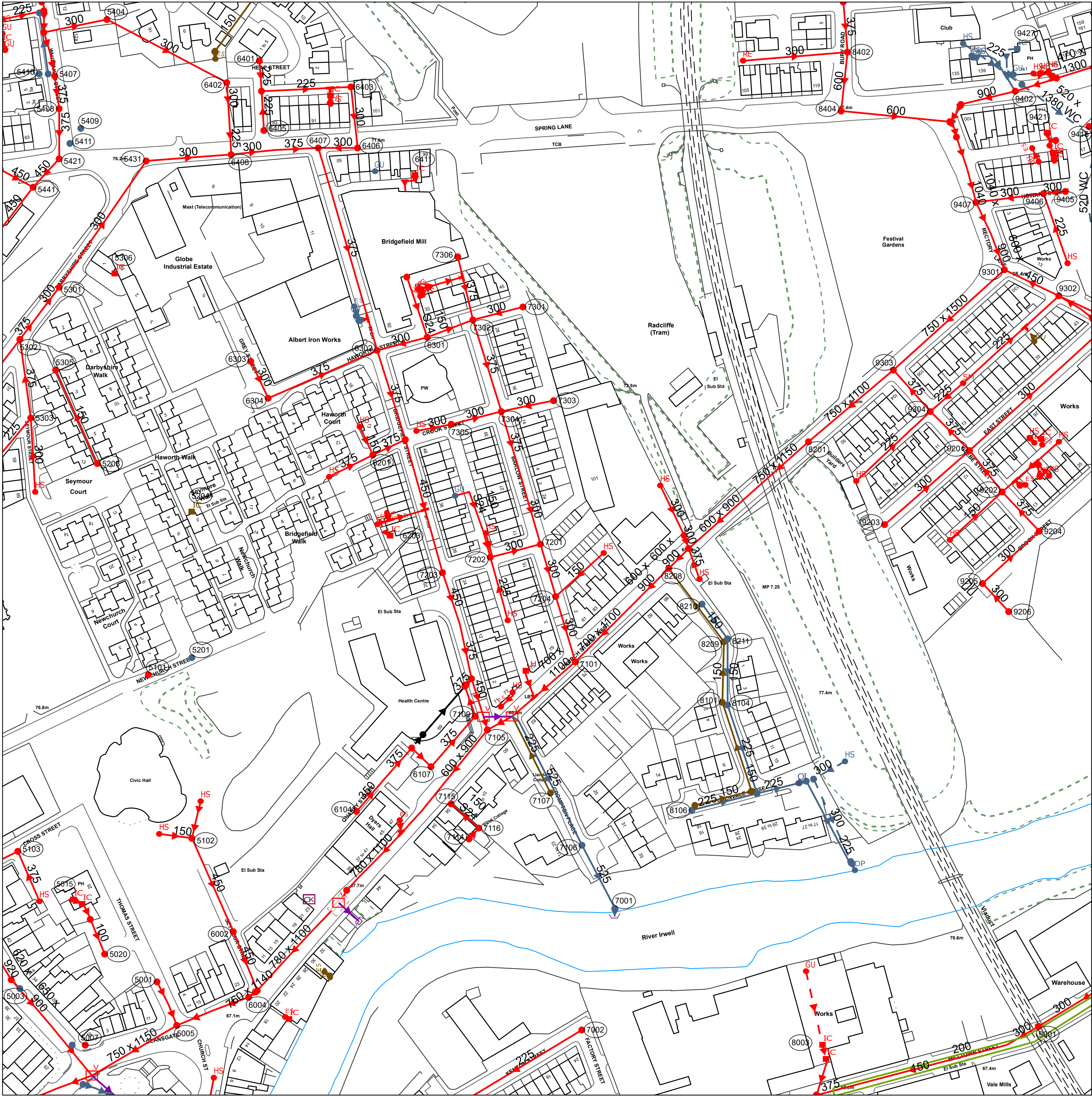
Date: 5/12/2016

TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

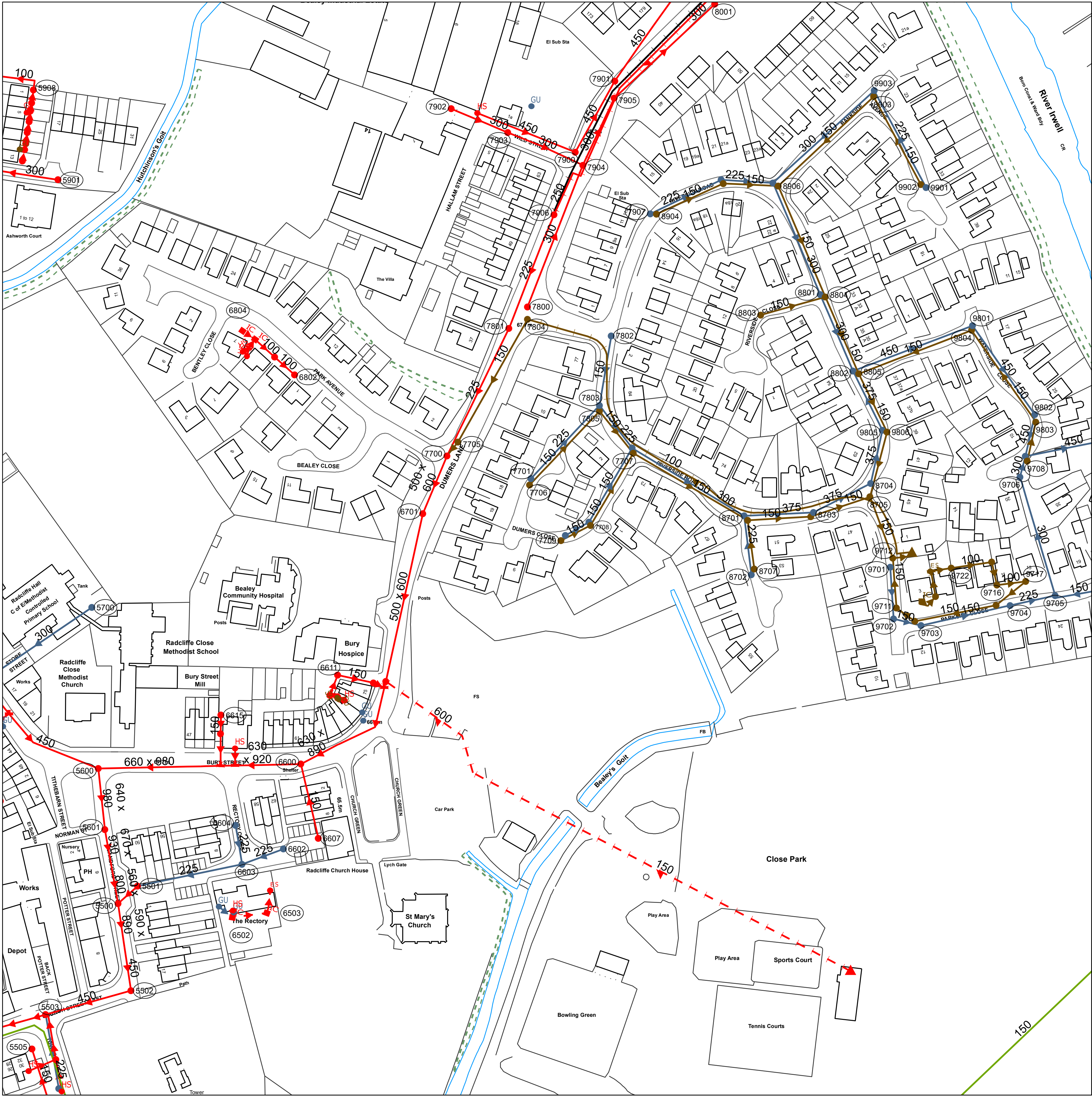
These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self-construction of water mains) (UUWL apparatus) 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 and given in accordance with the best information available. The nature of the relevant system and/or its actual position may be different from that shown on the plan and UUWL is not liable for any damage caused by incorrect information provided save as stated in section 199 of the Water Industry Act 1991. 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.



Rchd	Cover	Func	Invert	Size	Shape	Length	Grad	Rchd	Cover	Func	Invert	Size	Shape	Length	Grad
5001	68.59	CO	65.76	450	CI	VC 11.18	25	5304		CO					
5002	68.72	CO						5410		CO					
5003	68.72	SW						5412		CO					
5005	67.28	CO	60.96	750	1150	EG	BR 45.28	1509	5413		CO				
5006	68.34	SW						5417		CO					
5007		CO						6005		FO					
5009	65.73	SW	63.75	300	CI	VC 6.32	4	6009		CO					
5010		CO						6010		CO					
5017		CO	100		CI	VC 17.32		6103		CO	61.32	780	1100	EG	BR 50.95
5019		CO						6105		CO					
5020		CO						6202		CO					
5101	76.68	CO						6207		CO					
5102	72.06	CO	71.24	375	CI	VC 33.54		6305		CO	0	150	CI	VC 14.32	
5103	74.19	CO						6308		CO	0	300	CI	VC 16.28	
5201	76.53	SW	150		CI	VC 47.05		6309		SW					
5204		FO						6310		CO					
5301	76.73	CO	73.71	300	CI	VC 70.46		6315		CO					
5302	77.06	CO						6410		CO					
5303	77.53	CO						6412		CO	71.53	225	CI	VC 17.03	50
5305		CO						6413		SW					
5401	76.32	CO						6415		CO					
5402	76.31	SW						6416		CO					
5403	76.86	CO	74.33	225	CI	VC 19.42	216	7112		CO					
5404	75.58	CO						7205		CO	0	150	CI	VC 29.73	
5405	76.37	CO	73.88	300	CI	CO 10.44		7206		CO	0	225	CI	VC 30.08	
5406	76.4	SW	73.98	300	CI	VC 28.39	135	7207		CO					
5407	76.48	CO						7208		CO	0	225	CI	VC 11.56	
5408	76.45	CO	74.24	375	CI	VC 23		7209		CO	61.67	700	1100	EG	BR 38.77
5409		SW						7210		CO	63.67	375	CI	VC 25.23	1838
5411	76.35	SW						7211		CO	0	150	CI	VC 26.93	65
5414		FO						7212		SW	150		CI	VC 26.93	
5416		CO						8001		CO					
5421	76.36	CO	74.19	450	CI	VC 17.69		8004		CO					
5431	75.39	CO	0	300	CI	VC 39.12		8111		SW	300		CI	VC 16.54	
5441	76.67	CO						8112		SW	0	300	CI	VC 25.5	
6001	67.54	CO	780	1100	EG	BR 3.04		8204		CO	0	375	CI	VC 14.87	
6002	68.36	CO						8205		CO	0	225	CI	VC 46.69	
6003	67.1	CO	0	800	1100	EG	BR 17.09	8206		CO	61.64	600	900	EG	BR 37.54
6004		CO						8207		CO	0	375	CI	VC 90.19	
6007	67.2	CO						8207		CO	0	150	CI	VC 34.71	
6102		CO						8208		CO	0	150	CI	VC 32.56	
6104	67.05	CO	64.71	375	CI	VC 30.8	39	8210		CO	0	150	CI	VC 7.03	
6201	69.82	CO						8211		CO					
6203		CO						8212		CO					
6204		CO						8218		CO	61.78	600	900	EG	BR 17.09
6301	69.26	CO	66.79	300	CI	VC 23.77	792	8305		CO	0	225	CI	VC 33.84	
6302	69.27	CO						8306		CO	61.93	300	CI	VC 11.66	
6303	73.11	CO	70.72	300	CI	VC 18.79	42	8307		CO	0	225	CI	VC 59.46	
6304	72.72	CO						8308		CO					
6305	68.45	CO	150		CI	VC 4.18		8309		CO					
6312		SW						8312		CO					
6313		CO	0	150	CI	VC 29.18		8409		SW	900		CI	CO 33.02	
6401		CO	0	150	CI	VC 14.04		8410		CO	100		CI	VC 6.92	
6402	74.05	CO	71.88	300	CI	VC 16.03	46	8412		CO	63.3	150	CI	VC 5	
6403		CO	0	150	CI	VC 28.16		8413		CO	29.15	900	CO	4.12	
6404		CO						8414		CO	28.88	1040	1040	EG	BR 15.52
6405		CO	0	225	CI	VC 18.03		8416		CO					
6406	71.77	CO						8418		CO					
6407	72.37	CO						8423		SW	150		CI	VC 3.59	
6408	73.78	CO						8425		SW	150		CI	VC 2.85	
6411		CO						8426		SW	150		CI	VC 1.19	
6417		CO						8435		CO	0	375	CI	VC 8.48	
7001	59.99	SW	0	225	CI	VC 71.34		8436		CO	0	375	CI	VC 8.06	
7002		CO						8437		CO					
7101	65.04	CO	61.65	700	1100	EG	BR 38.34	8438		CO					
7102	65.89	CO	63.27	450	CI	VC 18.45	274	8439		CO					
7105	65.81	CO	62.6	625	CI	VC 32.68	12	8439		CO					
7106	64.36	SW	62.68	225	CI	VC 39.33		8439		CO					
7107	64.78	FO						8439		CO					
7108	66.03	CO						8439		CO					
7109	66.44	CO						8439		CO					
7114		CO	150		CI	VC 6.63		8439		CO					
7115		CO	150		CI	VC 16.8		8439		CO					
7116	66.57	CO	63.01	300	CI	VC 25	71	8439		CO					
7202	66.68	CO						8439		CO					
7203	66.4	CO						8439		CO					
7204	65.79	CO	0	300	CI	VC 23.77		8439		CO					
7301		CO	65.01	375	CI	VC 43.97	48	8439		CO					
7302	69.27	CO						8439		CO					
7303		CO						8439		CO					
7304	67.98	CO	64.07	375	CI	VC 31.32	61	8439		CO					
7305	68.21	CO						8439		CO					
7306		CO						8439		CO					
8002		CO	0	375	CI	VC 29.83		8439		CO					
8003		CO						8439		CO					
8101	64.28	FO						8439		CO					
8102	64.44	FO						8439		CO	67.14				
8103	64.45	FO						8439		CO					
8104	64.25	SW	62.72	225	CI	VC 42.82	116	8439		CO					
8105	64.45	SW	62.35	225	CI	VC 18.56		8439		CO					
8106	64.45	SW	62.68	225	CI	VC 30.82	93	8439		CO					
8107	64.03	SW						8439		CO					
8108	61.75	SW						8439		CO					
8109		SW						8439		CO					
8201	65.95	CO	61.57	750	1150	EG	BR 36.12	8439		CO					
8202	65.3	CO						8439		CO					
8203	65.31	CO						8439		CO					
8208	65.15	CO	62.4	600	900	EG	BR 23.85	8439		CO					
8209	64.5	FO	62.7	150	CI	VC 42.15	140	8439		CO					
8210	64.76	SW						8439		CO					
8211	64.51	SW						8439		CO					
8402	67.38	CO	62.73	600	CI	CO 50.25	144	8439		CO					
8404	66.94	CO	64.35	300	CI	VC 17.01		8439		CO					
9001	67.68	CO	0	300	CI	VC 75.74		8439		CO					
9201		CO						8439		CO					
9202	65.64	CO						8439		CO					
9203		CO	0	300	CI	VC 51.74		8439		CO					
9204		CO	0	375	CI	VC 24.76		8439		CO					
9205		CO	0	300	CI	VC 35.38		8439		CO					
9206		CO	0	300	CI	VC 17.69		8439		CO					
9209		CO	150		CI	VC 1.74		8439		CO					
9215		CO	100		CI	VC 3.11		8439		CO					
9301	66.57	CO						8439		CO					
9302	65.47	CO						8439		CO					
9303	66.1	CO						8439		CO					
9304	65.8	CO	62.37	375	CI	VC 25.5	255	8439		CO					
9315		CO						8439		CO					
9401		SW						8439		CO					
9402	65.27	CO	520	1380	RE	CO 43.6		8439		CO					
9403	65.67	CO	61.83	900	CI	VC 4.47	0	8439		CO					
9404	66.08	CO	62.19	730	960	EG	BR 3.61	8439		CO					
9405	65.75	CO	0	300	CI	VC 10.05									



Reno	Cover	Func	Invert	Size	xSize	yShape	Mat	Length	Grad	Reno	Cover	Func	Invert	Size	xSize	yShape	Mat	Length	Grad
5502	67.39	CO	63.45	450			CI	CO	40.73	582									
5504	67.12	CO																	
5506	67.01	SW	63.95	225			CI	VC	34.58	102									
5508	68.25	CO	63.39	640	980		EG	BR	28.16	49									
5509	67.87	CO	64.05	670	930		EG	BR	17.26										
5510	67.87	CO	0	300			CI	VC	60.46										
5511	67.87	CO	0	300			CI	VC	42.71										
5512	67.87	CO																	
5514	67.87	CO	100				CI	VC	5.15										
5515	67.87	CO																	
5516	67.87	CO																	
5517	67.87	CO																	
5518	67.87	CO																	
5519	67.87	CO	100				CI	VC	6.04										
5520	67.87	CO																	
5521	67.87	CO																	
5522	67.87	CO																	
5523	67.87	CO																	
5524	67.87	CO																	
5525	67.87	CO																	
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5586	67.87	CO																	
5587	67.87	CO																	
5588	67.87	CO																	
5589	67.87	CO																	
5590	67.87	CO																	
5591	67.87	CO																	
5592	67.87	CO																	
5593	67.87	CO																	
5594	67.87	CO																	
5595	67.87	CO																	
5596	67.87	CO																	
5597	67.87	CO																	
5598	67.87	CO																	
5599	67.87	CO																	
5600	67.87	CO																	
5601	67.87	CO																	
5602	67.87	CO																	
5603	67.87	CO																	
5604	67.87	CO																	
5605	67.87	CO																	
5606	67.87	CO																	
5607	67.87	CO																	
5608	67.87	CO																	
5609	67.87	CO																	
5610	67.87	CO																	
5611	67.87	CO																	
5612	67.87	CO																	
5613	67.87	CO																	
5614	67.87	CO																	
5615	67.87	CO																	
5616	67.87	CO																	
5617	67.87	CO																	
5618	67.87	CO																	
5619	67.87	CO																	
5620	67.87	CO																	
5621	67.87	CO																	
5622	67.87	CO																	
5623	67.87	CO																	
5624	67.87	CO																	
5625	67.87	CO																	
5626	67.87	CO																	
5627	67.87	CO																	
5628	67.87	CO																	
5629	67.87	CO																	
5630	67.87	CO												</					

WASTE WATER SYMOLOGY

Foul	Surface	Combined	Overflow	Manhole

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	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	UN	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

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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OS Sheet No: SD7907NE

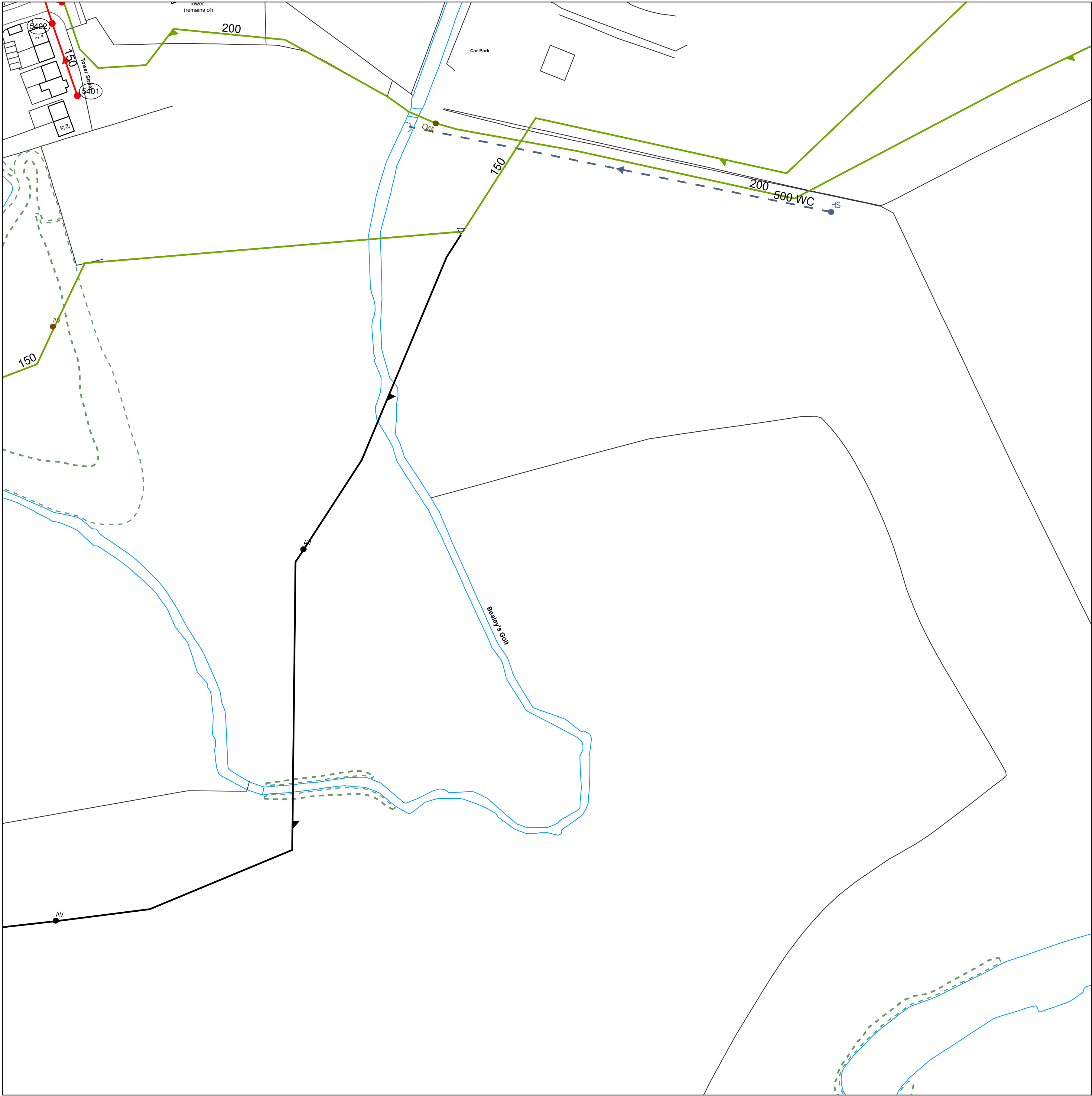
Scale: 1:1250 Date: 05/12/2016

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148 Nodes
Sheet 1 of 1







Retho	Cover	Func	Invert	Size	Size	yShape	Mat	Length	Grad	Retho	Cover	Func	Invert	Size	Size	yShape	Mat	Length	Grad
5401	CO	CO	150	CI	VC	35.32													
5402	CO	CO	150	CI	VC	35.32													
5403	CO	CO	150	CI	VC	35.32													
5301	FO	FO	69.85	150	CI	DI	534.9	42											
5302	FO	FO	69.85	150	CI	DI	534.9	42											
5303	FO	FO	69.85	150	CI	DI	534.9	42											

Foul

Surface

Combined

Overflow

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

Air Valve

Cascade

Non Return Valve

Extent of Survey

Flow Meter

Gully

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

Screen Chamber

Discharge Point

Outfall

Control Kiosk

Unspecified

Sludge Main, Public

Sludge Main, Private

Sludge Main, S104

ABANDONED PIPE

MainSewer

Rising Main

Highway Drain

Sludge Main

FO

Foul

SW

Surface Water

CO

Combined

OV

Overflow

CI

Circular

EG

Egg

OV

Oval

FT

Flat Top

RE

Rectangular

SQ

Square

TR

Trapezoidal

AR

Arch

BA

Barrel

HO

HorseShoe

UN

Unspecified

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

Control Kiosk

Unspecified

FO

Foul

SW

Surface Water

CO

Combined

OV

Overflow

CI

Circular

EG

Egg

OV

Oval

FT

Flat Top

RE

Rectangular

SQ

Square

TR

Trapezoidal

AR

Arch

BA

Barrel

HO

HorseShoe

UN

Unspecified

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

Control Kiosk

Unspecified

FO

Foul

SW

Surface Water

CO

Combined

OV

Overflow

CI

Circular

EG

Egg

OV

Oval

FT

Flat Top

RE

Rectangular

SQ

Square

TR

Trapezoidal

AR

Arch

BA

Barrel

HO

HorseShoe

UN

Unspecified

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

Control Kiosk

Unspecified

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.
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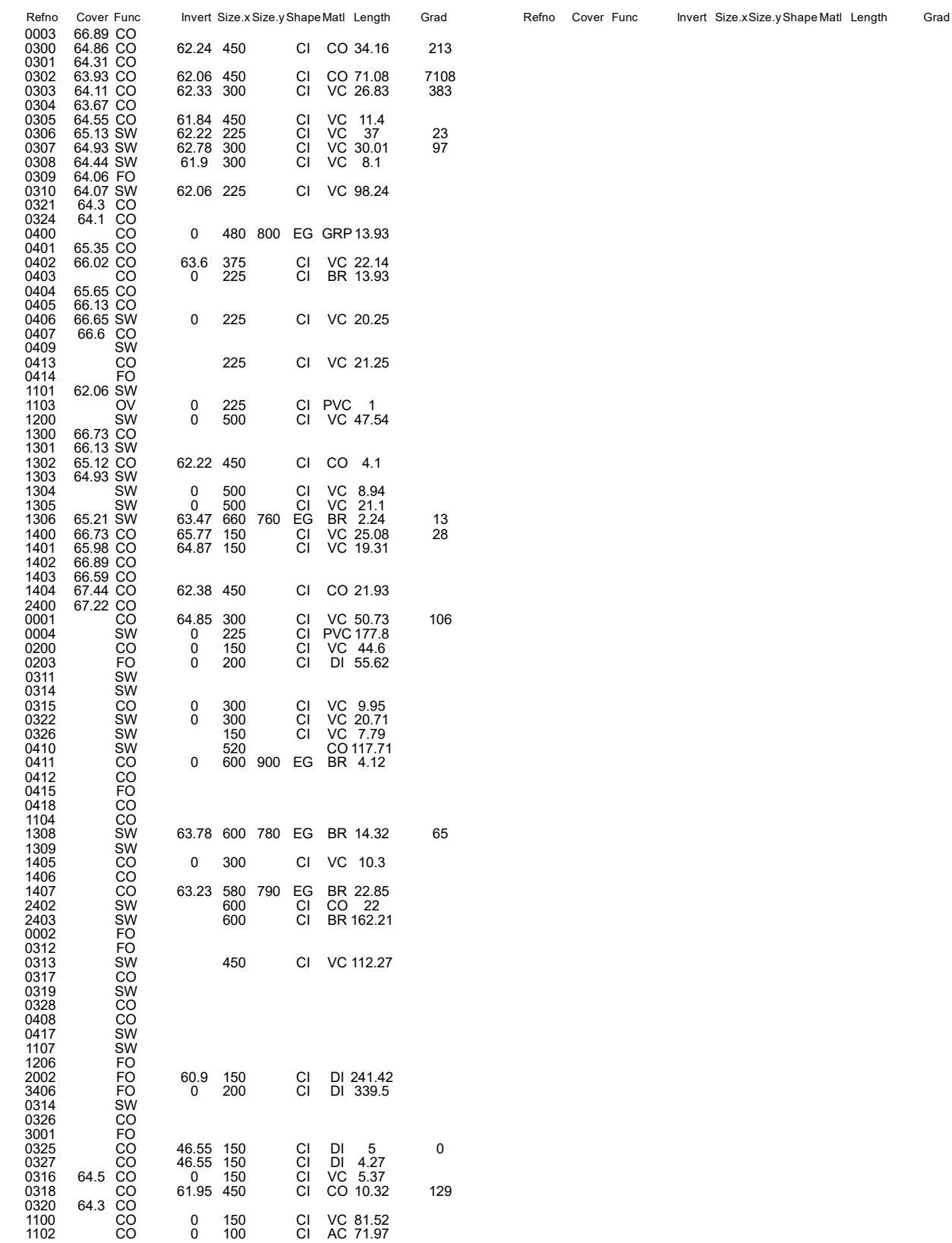
OS Sheet No: SD7907SE
Scale: 1:1250 Date: 05/12/2016
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Sheet 1 of 1

SEWER RECORDS

OS Sheet No: SD7907SE

Scale: 1:1250 Date: 05/12/2016

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Foul	Surface	Combined		
			WW Site Termination	Sludge Main, Public
			Air Valve	Sludge Main, Private
			Cascade	Sludge Main, S104
			Non Return Valve	
			Extent of Survey	ABANDONED PIPE
			Flow Meter	Main Sewer
			Gully	Rising Main
			Hatch Box	Highway Drain
			Head of System	Sludge Main
			Hydrobrake / Vortex	
			Inlet	
			Inspection Chamber	
			Bifurcation	
			Catchpit	
			Contaminated Surface Water	
			WW Pumping Station	
			Sludge Pumping Station	
			Sewer Overflow	
			T Junction/Saddle	
			LampHole	
			Oil/Interceptor	
			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	
Foul	Surface	Combined	Overflow	
			Screen Chamber	Control Kiosk
			Discharge Point	Unspecified
			Overflow	

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	UN	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

SEWER RECORDS

Printed By: Property Searches

WASTE WATER SYMOLOGY

Combined	Foul	Surface	Overflow	
				Manhole
				Manhole, side entry
				Public sewer
				Private sewer
				S104 sewer
				Rising Main, public
				Rising Mian, private
				Rising main, S104
				Highway Drain, private
				WW Pumping Station
				Inspection Chamber
				Extent of Survey
				Head of System
				Soakaway
				Rodding Eye
				Lamp Hole
				T Junction/Saddle
				Gully
				Air Valve
				Non Return Valve
				Sewer Overflow
				Cascade
				Flow Meter
				Hatch Box
				Hydrobrake
				Inlet
				Bifurcation
				Catchpit
				Oil Interceptor
				Penstock
				Summit
				Valve
				Valve chamber
				Washout Chamber
				Drop Shaft
				WW Treatment Works
				Septic Tank
				Vent Column
				Network Storage Tank
				Orifice Plate
				Vortex Chamber
				Penstock Chamber
				Screen Chamber
				Discharge Point
				Outfall

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

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

SEWER MATERIAL

AC	Asbestos Cement	DI	Ductile Iron
BR	Brick	VC	Vitrified Clay
CO	Concrete	PP	Polypropylene
CSB	Concrete Segment	PF	Pitched Fibre
CSU	Concrete Segment	MA	Masonary, Coursed
CC	Concrete Box Culverted	MA	Masonary, Random
PSC	Plastic	RP	Reinforced Plastic
GR	Glass Reinforced	CI	Cast Iron
GRP	Glass Reinforced	SI	Spun Iron
PVC	Polyvinyl Chloride	ST	Steel
PE	Polyeththlene	U	Unspecified



Control Kiosk



Sludge Main

ABANDONED PIPE

	Public Sewer
	Rising Main
	Private Sewer
	Sludge Main

Cleanwater Symbology

Pipework

Live	Proposed	
		Distribution Main - Pressurised Main
		LDTM Treated Water Distribution - Pressurised main
		LDTM Treated Water Distribution - Gravity main
		Trunk Main - Pressurised main
		Raw Water Aqueduct - Pressurised Main
		Raw Water Aqueduct - Gravity Main
		LDTM Raw Water Distribution - Pressurised main
		LDTM Raw Water Distribution - Gravity main
		Private Pipe
		Comms Pipe
		Concessionary Service

Abandoned

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

Property Types

Live	Proposed	
		Condition Report
		Pumping Station
		Water Treatment Works
		Valve House
		Water Tower
		Service Reservoir
		Supply Reservoir
		Pipe Bridges

Nodes

Live	Proposed	
		End Cap
		CC Valve open
		CC Valve closed
		AC Valve open
		AC Valve closed
		Air Valve
		Sluice Valve
		Non Return Valve
		Pressure Management Valve
		Change of Characteristics
		Anode
		Chlorination Point
		De Chlorination Point
		Bore Hole
		Inlet Point
		Bulk Supply Point
		Fire Hydrant
		Hydrant
		Pump
		Site Termination
		Service Start
		Service End
		Commercial Meter
		Domestic Meter
		Strainer Point
		Access Point
		Hatch Box
		IP Point
		Sampling Station
		Logger Box
		Stop Tap

Matertial Types		Lining Types	
AC	Asbestos Cement	CL	Cement Lining
CI	Cast Iron	TB	Tar or Bitumen
CU	Copper	ERL	Epoxy Resin
CO	Concrete		
DI	Ductile Iron		
GI	Galvanised Iron		
GR	Grey Iron	DD	Die Drawn
OT	Others	DR	Directional Drilling
PB	Lead	MO	Moling
PV	uPVC	PI	Pipeline
SI	Spun Iron	SL	Slip Lined
ST	Steel		
UN	Unknown		
PE	Ployethelene		