

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

LEGEND

P01	FIRST ISSUE	31/03/22	DM	AMB
Rev	Description	Date	By	Chk

Curtins
 Units 24 & 25 Riverside Place, K Village, Lund Road, Keston, L69 7JH
 01539 724523
 west@curtins.com
 www.curtins.com

Client: **ISSUED FOR INFORMATION** **S2**

GRAHAM
 Project: **WEST CUMBERLAND HOSPITAL PHASE 2 DEVELOPMENT**

Project No: 072419
 Date: MAR 22
 Scale: 1:250

IMPERMEABLE AREAS LAYOUT

Project No:	072419	Size:	A0	Date:	MAR 22	Drawn By:	DM	Designed By:	DM	Checked By:	PT
Project Code:	WCHPH2 CUR - VV - XX - DR - C -	Zone:		Level:		Type:		Discipline:		Category/Number:	92008 - P01

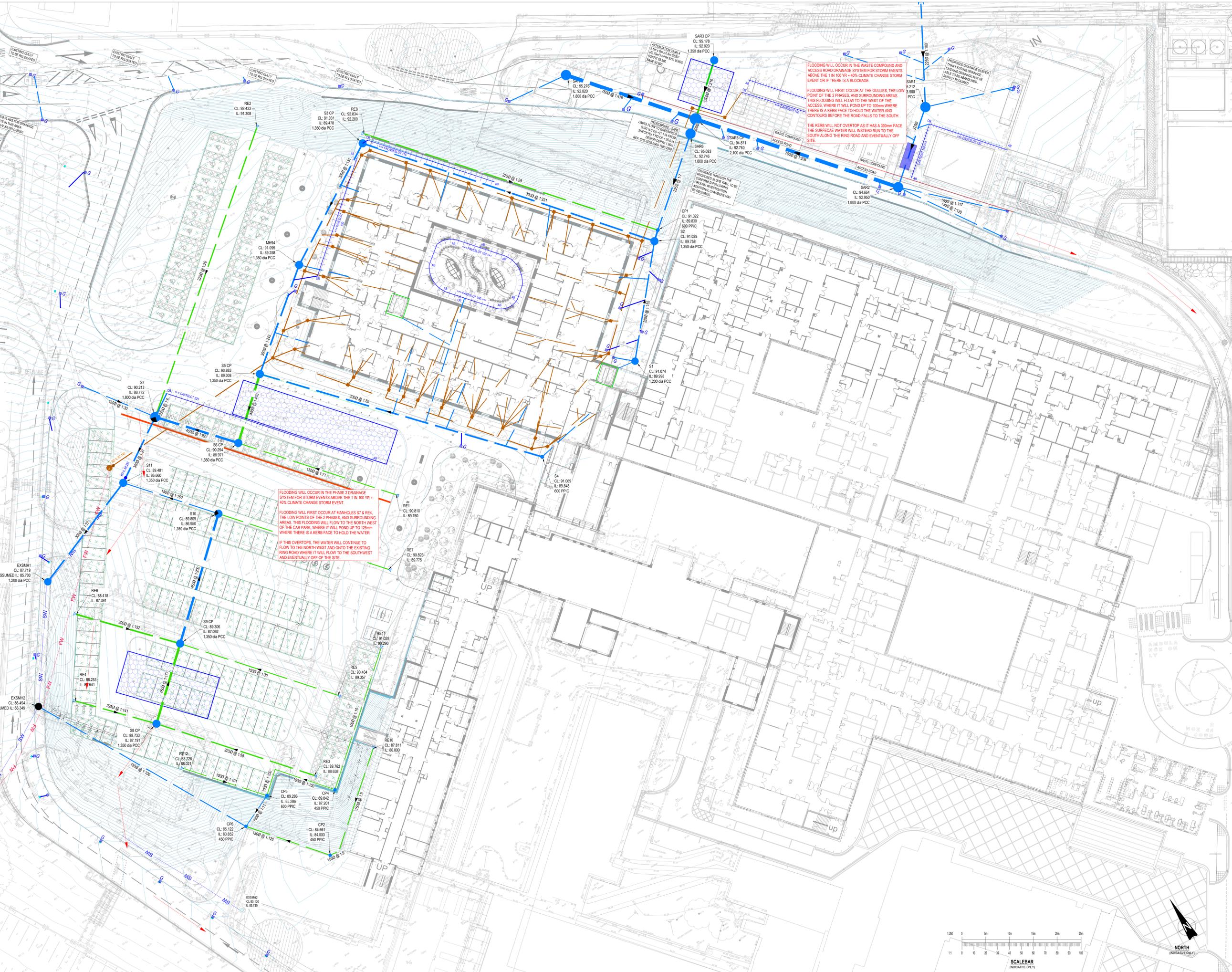
SCALEBAR (INDICATIVE ONLY)

NORTH

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

LEGEND



P02	UPDATED TO REFLECT THE DRAINAGE LAYOUT	31/03/22	DM	AMB
P01	FIRST ISSUE	18/09/21	DM	PT

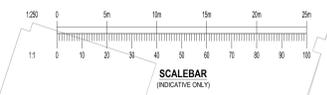
1100 24 & 25 Riverside Place, K Village, Loud Road, Kestel, L69 7TH
01535 724523
www.curtins.com

ISSUED FOR INFORMATION **S2**

Project: WEST CUMBERLAND HOSPITAL PHASE 2 DEVELOPMENT

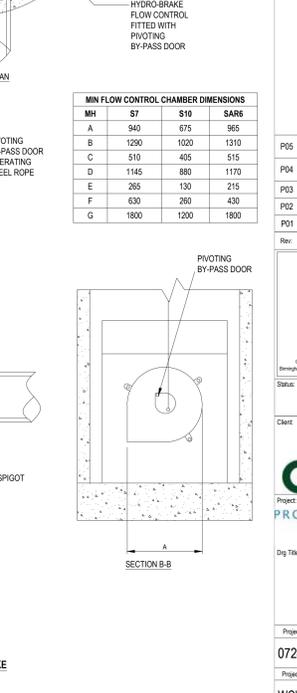
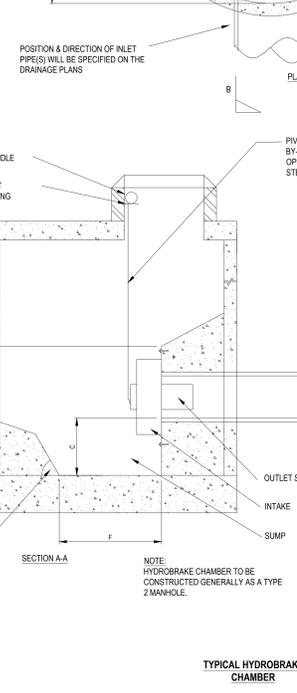
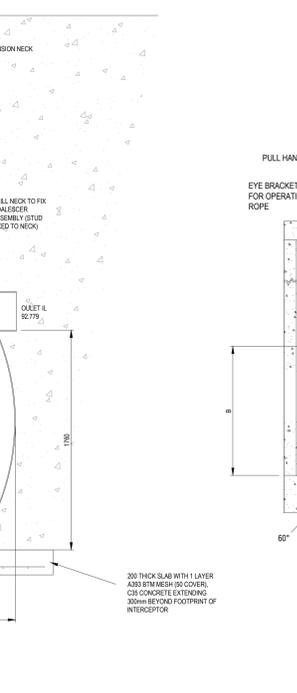
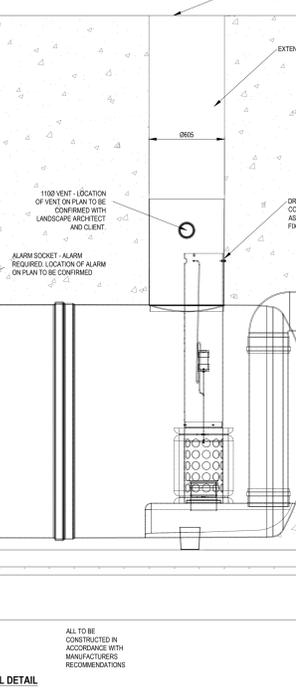
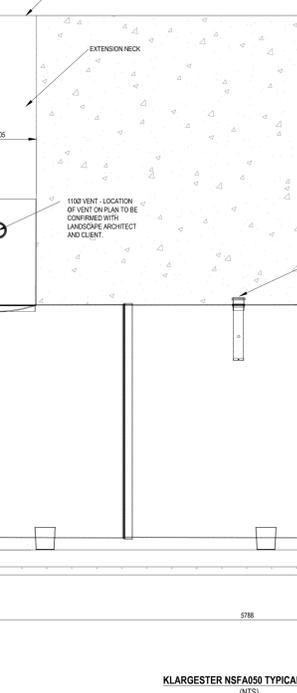
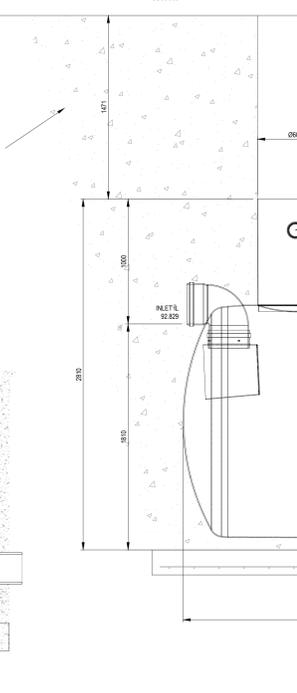
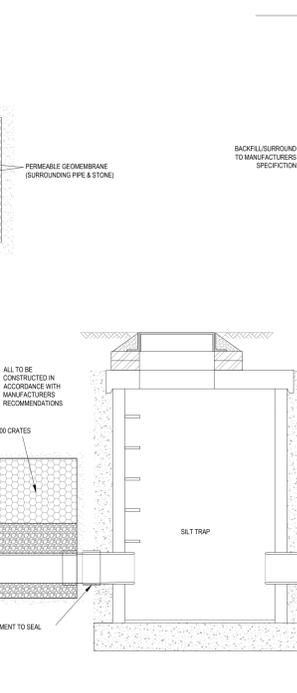
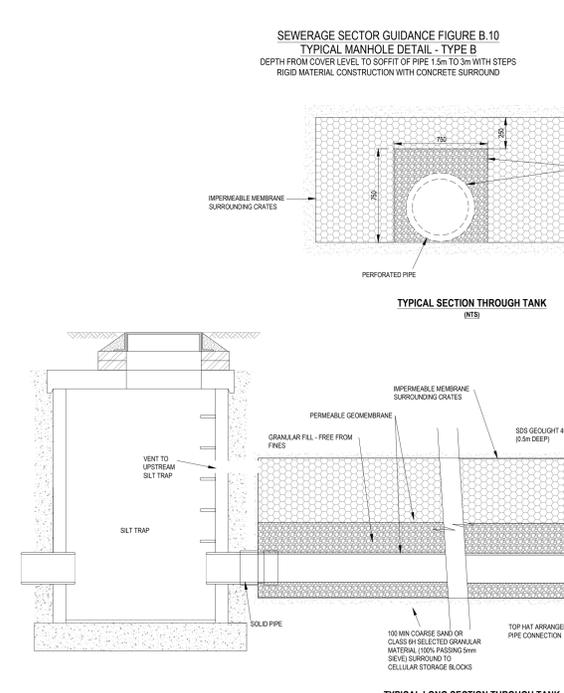
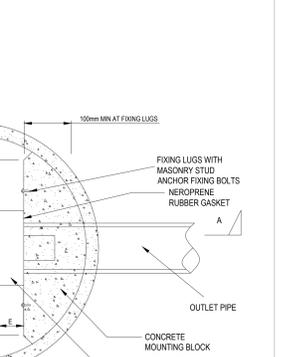
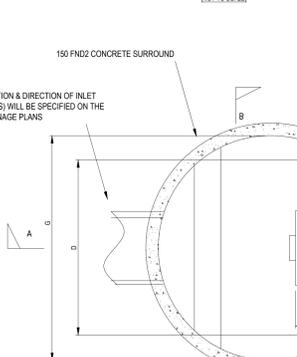
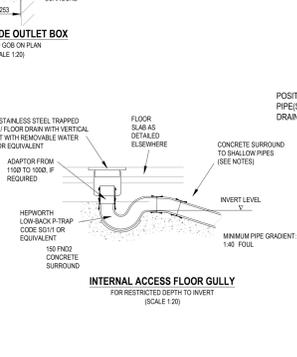
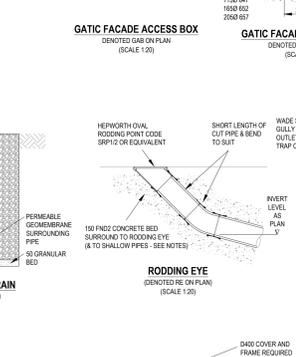
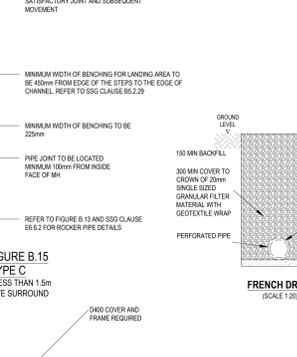
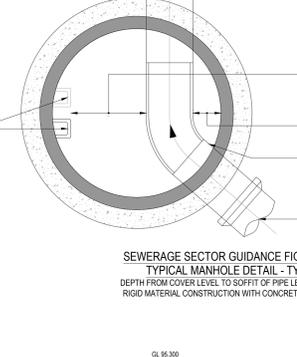
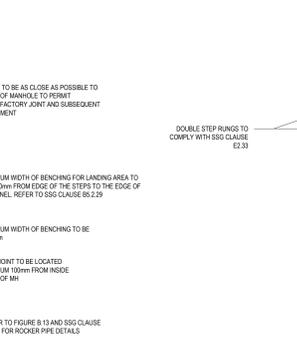
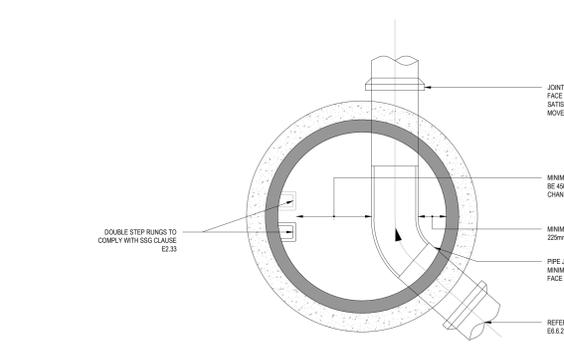
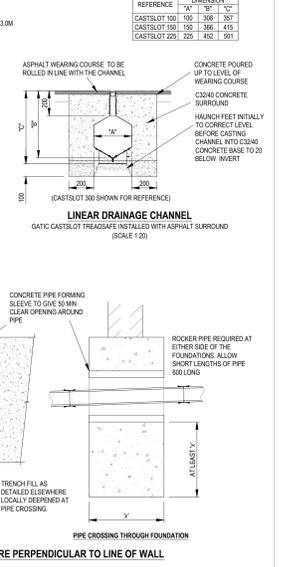
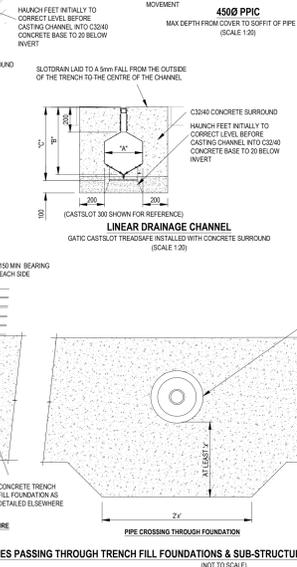
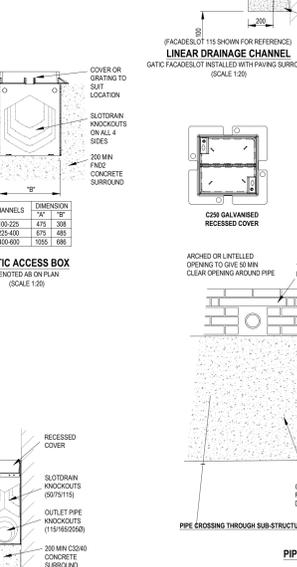
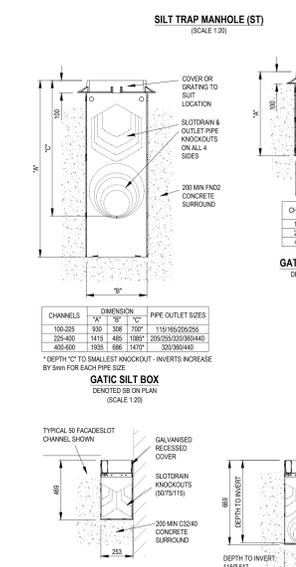
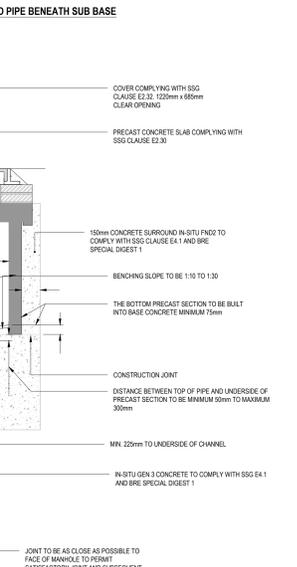
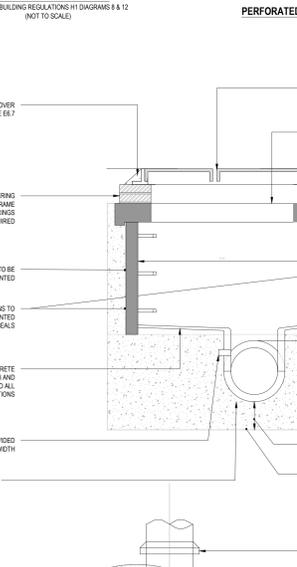
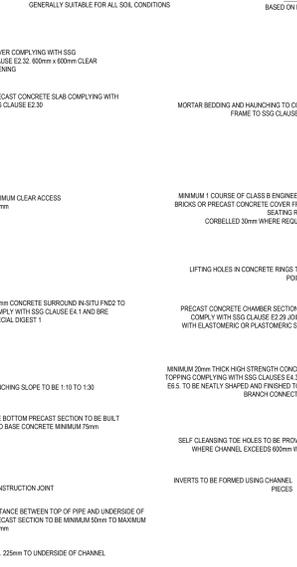
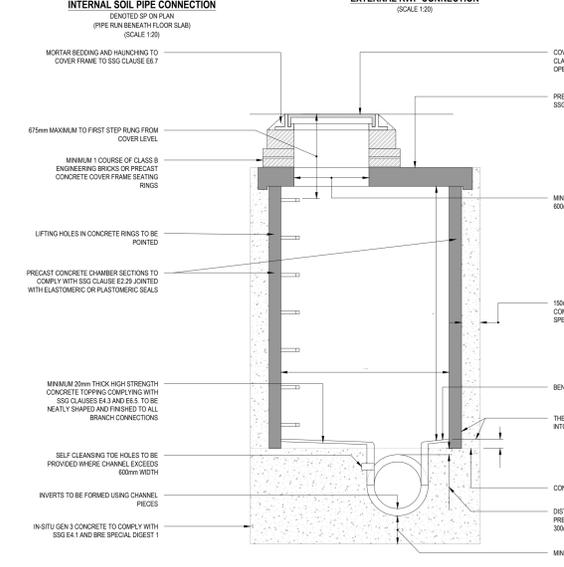
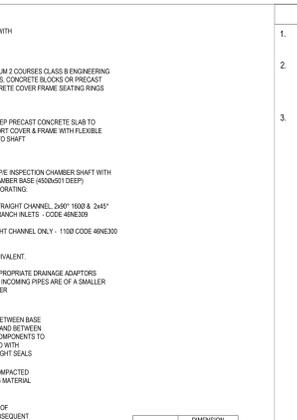
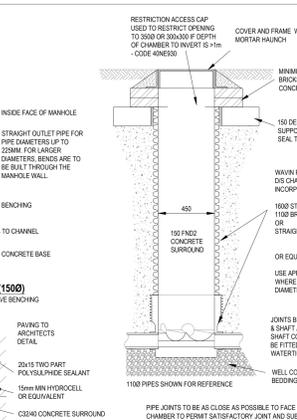
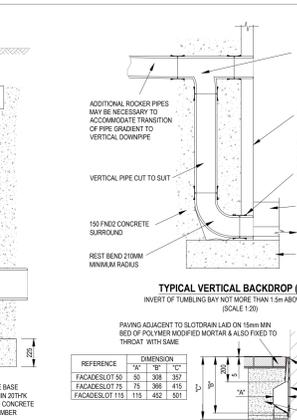
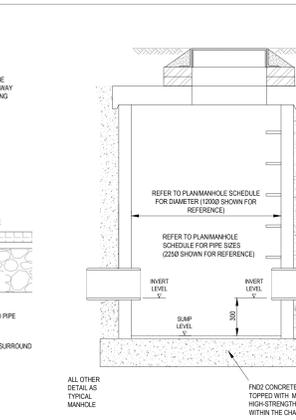
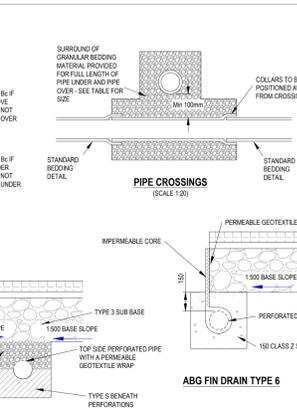
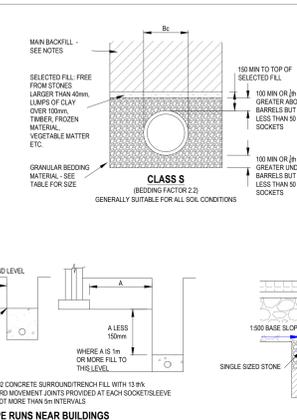
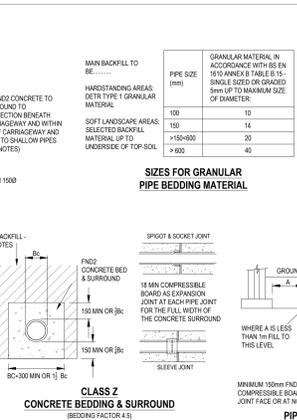
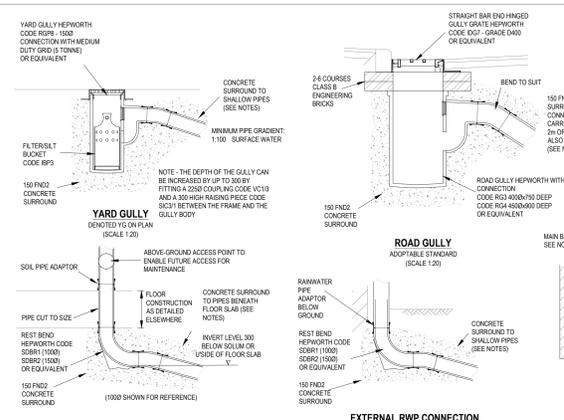
EXCEEDANCE FLOW ROUTES

Project No:	072419	Size:	A0	Date:	MAY 21	Drawn By:	DM	Designed By:	DM	Checked By:	PT
Project Code:	WCHPH2 CUR - VV - XX - DR - C - 92009 - P02	Zone:		Level:		Type:		Discipline:		Category/Number:	



GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.



MM	57	510	5486
A	940	675	965
B	1290	1020	1310
C	510	405	515
D	1145	880	1170
E	265	130	215
F	630	260	430
G	1800	1200	1800

Rev	Description	Date	By	Chkd
P02	HYDROBRAKE REFERENCES UPDATED, FACADE INTERCEPTOR AND ATTENUATION TANK UPDATED, FRENCH DRAIN ADDED	31/03/22	DM	AMB
P04	INTERCEPTOR AND ATTENUATION TANK UPDATED, FRENCH DRAIN ADDED	09/03/22	DM	CJS
P03	DRAFT RIBA STAGE 4 ISSUE	11/02/22	AMB	CJS
P02	INTERCEPTOR DETAIL ADDED	18/06/21	DM	PT
P01	FIRST ISSUE	28/05/21	DM	PT



ISSUED FOR CO-ORDINATION **S1**



DRAINAGE DETAILS

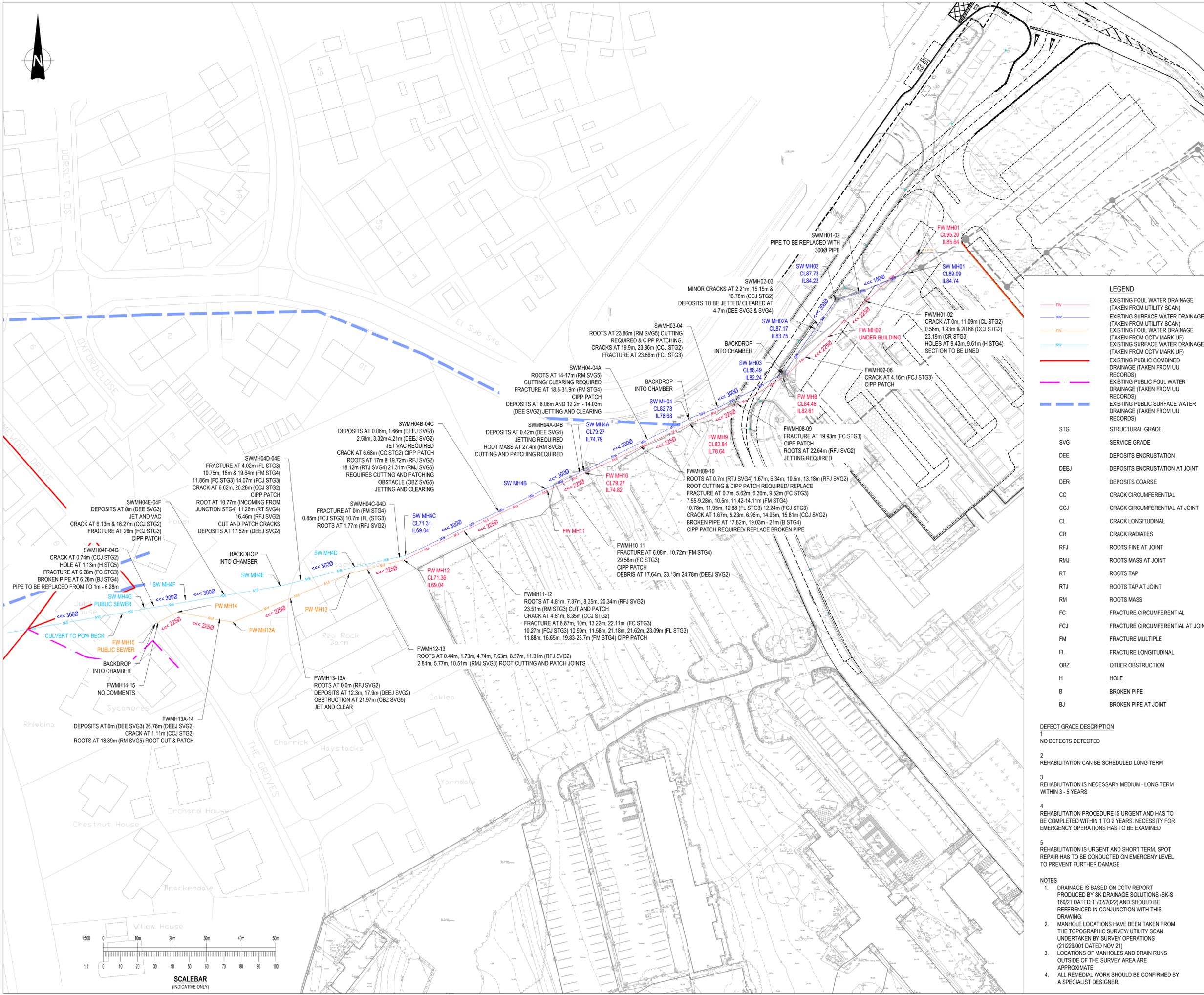
Project No	Size	Date	Drawn By	Designed By	Checked By
072419	A0	MAY 21	DM	DM	PT



Appendix D Existing Drainage Layout

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- FOR GENERAL NOTES REFER TO DRAWING.



LEGEND

- EXISTING FOUL WATER DRAINAGE (TAKEN FROM UTILITY SCAN)
- EXISTING SURFACE WATER DRAINAGE (TAKEN FROM UTILITY SCAN)
- EXISTING FOUL WATER DRAINAGE (TAKEN FROM CCTV MARK UP)
- EXISTING SURFACE WATER DRAINAGE (TAKEN FROM CCTV MARK UP)
- EXISTING PUBLIC COMBINED DRAINAGE (TAKEN FROM UU RECORDS)
- EXISTING PUBLIC FOUL WATER DRAINAGE (TAKEN FROM UU RECORDS)
- EXISTING PUBLIC SURFACE WATER DRAINAGE (TAKEN FROM UU RECORDS)

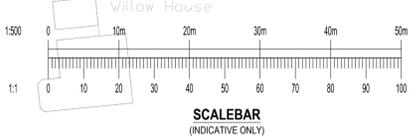
STG STRUCTURAL GRADE
 SVG SERVICE GRADE
 DEE DEPOSITS ENCRUSTATION
 DEEJ DEPOSITS ENCRUSTATION AT JOINT
 DER DEPOSITS COARSE
 CC CRACK CIRCUMFERENTIAL
 CCJ CRACK CIRCUMFERENTIAL AT JOINT
 CL CRACK LONGITUDINAL
 CR CRACK RADIAL
 RFJ ROOTS FINE AT JOINT
 RMJ ROOTS MASS AT JOINT
 RT ROOTS TAP
 RTJ ROOTS TAP AT JOINT
 RM ROOTS MASS
 FC FRACTURE CIRCUMFERENTIAL
 FCJ FRACTURE CIRCUMFERENTIAL AT JOINT
 FM FRACTURE MULTIPLE
 FL FRACTURE LONGITUDINAL
 OBZ OTHER OBSTRUCTION
 H HOLE
 B BROKEN PIPE
 BJ BROKEN PIPE AT JOINT

DEFECT GRADE DESCRIPTION

- NO DEFECTS DETECTED
- REHABILITATION CAN BE SCHEDULED LONG TERM
- REHABILITATION IS NECESSARY MEDIUM - LONG TERM WITHIN 3 - 5 YEARS
- REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED
- REHABILITATION IS URGENT AND SHORT TERM. SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL TO PREVENT FURTHER DAMAGE

NOTES

- DRAINAGE IS BASED ON CCTV REPORT PRODUCED BY SK DRAINAGE SOLUTIONS (SK-S 16/21) DATED 11/02/2022 AND SHOULD BE REFERENCED IN CONJUNCTION WITH THIS DRAWING.
- MANHOLE LOCATIONS HAVE BEEN TAKEN FROM THE TOPOGRAPHIC SURVEY/ UTILITY SCAN UNDERTAKEN BY SURVEY OPERATIONS (211229/001 DATED NOV 21)
- LOCATIONS OF MANHOLES AND DRAIN RUNS OUTSIDE OF THE SURVEY AREA ARE APPROXIMATE
- ALL REMEDIAL WORK SHOULD BE CONFIRMED BY A SPECIALIST DESIGNER.



P02	PROPOSED DRAINAGE ADDED	31/03/22	DM	PT
P01	FIRST ISSUE	04/03/22	DM	PT
Rev:	Description:	Date:	By:	Chkd:

Curtins
 Units 24 & 25 Riverside Place, K Village, Lound Road, Kendal, LA9 7FH
 01539 724823
 kendal@curtins.com
 www.curtins.com

Civil & Structural • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
 Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Harlow • Leeds • Liverpool • London • Manchester • Nottingham

Status: **ISSUED FOR INFORMATION** S2

Client: **GRAHAM**

Project: **WEST CUMBERLAND HOSPITAL PHASE 2 DEVELOPMENT**

Dwg Title: **EXISTING DRAINAGE REHABILITATION SKETCH**

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
072419	A1	JUL 21	DM	PT	PT
Project Code:	Originator:	Zone:	Level:	Type:	Discipline:
WCHPH2-CUR - VV - XX - DR - C -					

WCHPH2-CUR-VV-XX-DR-C-04008-P02_Existing Drainage Rehabilitation Sketch.dwg

Curtins Consulting Ltd

**51-55
Tithebarn Street,
Liverpool,
L2 2SB**

FAO:

How to contact us:

**United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP**

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

**Your Ref: B071551
Our Ref: UUPS-ORD-118253
Date: 14/08/2019**

Dear Sirs

Location: West Cumberland Hospital

I acknowledge with thanks your request dated 13/08/2019 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' 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 United Utilities' 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 [contact us](#).

Yours Faithfully,



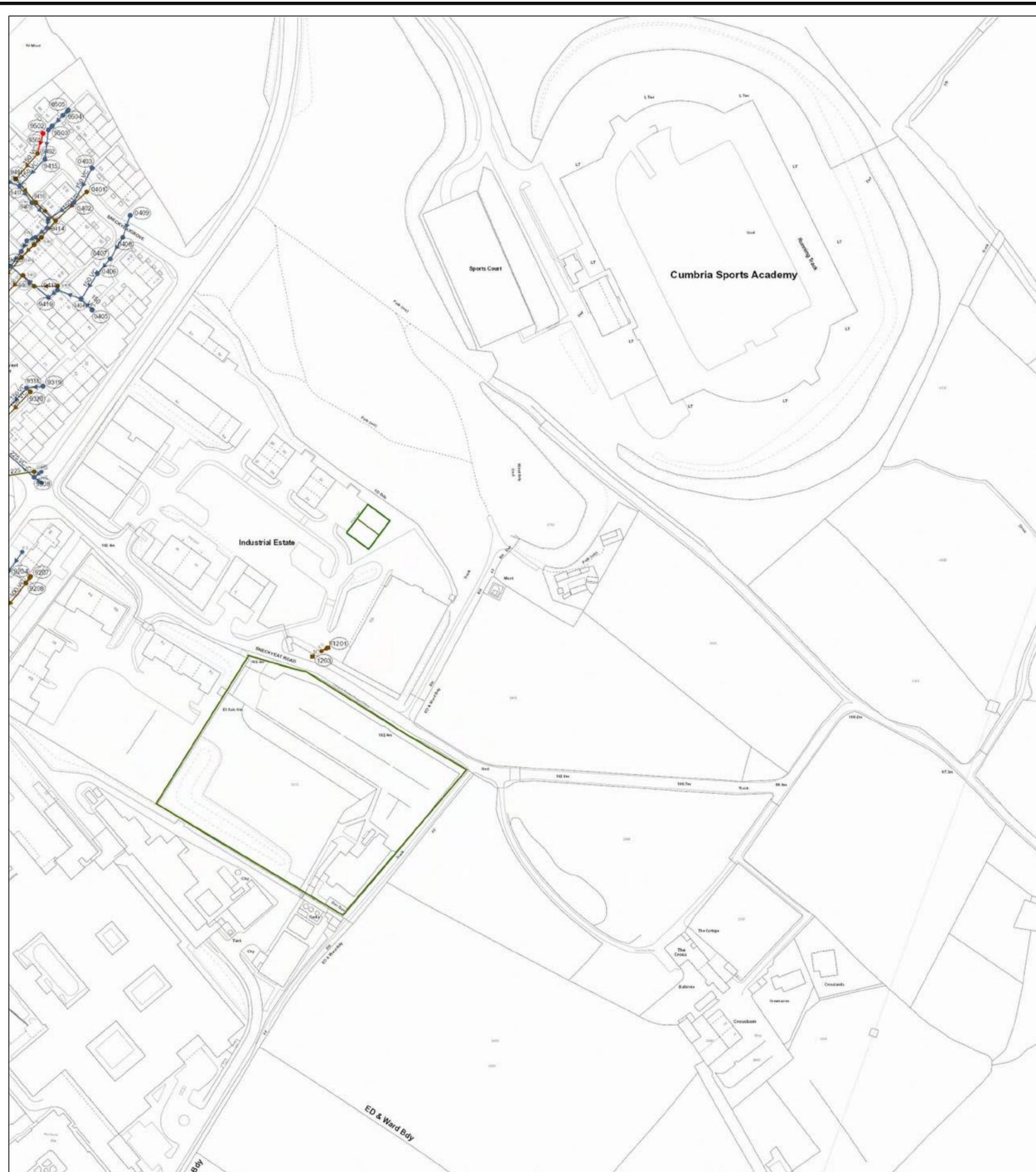
**Karen Mc Cormack
Property Searches Manager**

TERMS AND CONDITIONS - WASTEWATER AND 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:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.



Reho	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
9413	107.45	SW	105.75	225		VC	5.385165	1 in 4	
9413	107.45	SW	105.75	225		VC	5.385165	1 in 4	
9412	106.17	SW	104.47	225		VC	6.708204	1 in 8	
9412	106.17	SW	104.47	225		VC	6.708204	1 in 8	
9307	102.89	FO	0	225		VC	35.35534		
9307	102.89	FO	0	225		VC	35.35534		
9505		SW	0	150		VC	4.24254		
9505		SW	0	150		VC	4.24254		
0401		FO	0	150		VC	23.34524		
0401		FO	0	150		VC	23.34524		
9411	107.52	SW	104.92	225		VC	5.09902	1 in 73	
9411	107.52	SW	104.92	225		VC	5.09902	1 in 73	
9406		FO	0	150		VC	9.894995		
9406		FO	0	150		VC	9.894995		
9415		SW	0	150		VC	20.51828		
9415		SW	0	150		VC	20.51828		
9207		FO	0	100		VC	4.359111		
9207		FO	0	100		VC	4.359111		
9208		FO	0	100		VC	28.90358		
9208		FO	0	100		VC	28.90358		
0405		SW	0	150		VC	8.48281		
0405		SW	0	150		VC	8.48281		
9318		SW	0	150		VC	17.89181		
9318		SW	0	150		VC	17.89181		
9416	107.31	SW	105.06	225		VC	12.72792	1 in 91	
9416	107.31	SW	105.06	225		VC	12.72792	1 in 91	
9419		SW	0	150		VC	9.848556		
9419		SW	0	150		VC	9.848556		
9404		FO	0	150		VC	13		
9404		FO	0	150		VC	13		
0408		SW	0	150		VC	13.89244		
0408		SW	0	150		VC	13.89244		
9338		FO	0	150		VC	24.75884		
9338		FO	0	150		VC	24.75884		
9328		FO	0	150		VC	24.75884		
9328		FO	0	150		VC	24.75884		
9421	105.76	SW	103.66	225		VC	10	1 in 11	
9421	105.76	SW	103.66	225		VC	10	1 in 11	
9408		FO	0	150		VC	12.04159		
9408		FO	0	150		VC	12.04159		
9308	102.73	SW	100.13	225		VC	68.0147	1 in 77	
9308	102.73	SW	100.13	225		VC	68.0147	1 in 77	
9414	107	SW	104.85	225		VC	7.81025		
9414	107	SW	104.85	225		VC	7.81025		
9407		FO	0	150		VC	5.69854		
9407		FO	0	150		VC	5.69854		
9405		FO	0	150		VC	23.43075		
9405		FO	0	150		VC	23.43075		
9402		FO	0	150		VC	14.86607		
9402		FO	0	150		VC	14.86607		
9319		SW	0	150		VC	9.65586		
9319		SW	0	150		VC	9.65586		
9410		SW	0	150		VC	6.40324		
9410		SW	0	150		VC	6.40324		
0409		SW	0	150		VC	12.84911		
0409		SW	0	150		VC	12.84911		
9501		CO	0	150		VC	11.40175		
9501		CO	0	150		VC	11.40175		
9417		SW	0	150		VC	11.40175		
9417		SW	0	150		VC	11.40175		
0404		SW	0	150		VC	13.92839		
0404		SW	0	150		VC	13.92839		
0407		SW	0	150		VC	10.83015		
0407		SW	0	150		VC	10.83015		
9491		FO	0	150		VC	17.02539		
9491		FO	0	150		VC	17.02539		
9504		SW	0	150		VC	8.48281		
9504		SW	0	150		VC	8.48281		
9492		FO	0	150		VC	18.43909		
9492		FO	0	150		VC	18.43909		
9204		SW	0	150		VC	26.94139		
9204		SW	0	150		VC	26.94139		
0402		SW	0	150		VC	16.64332		
0402		SW	0	150		VC	16.64332		
9403		FO	0	150		VC	8.48281		
9403		FO	0	150		VC	8.48281		
0406		SW	0	150		VC	16.64332		
0406		SW	0	150		VC	16.64332		
9419	105.14	SW	103.24	225		VC	27.01851	1 in 52	
9419	105.14	SW	103.24	225		VC	27.01851	1 in 52	
9409		FO	0	150		VC	14.86607		
9409		FO	0	150		VC	14.86607		
9503		SW	0	150		VC	2.828427		
9503		SW	0	150		VC	2.828427		
0403		SW	0	150		VC	21.47091		
0403		SW	0	150		VC	21.47091		
9420	104.89	SW	102.68	225		VC	22.02271	1 in 17	
9420	104.89	SW	102.68	225		VC	22.02271	1 in 17	
9502		SW	0	150		VC	16.12452		
9502		SW	0	150		VC	16.12452		

Reho	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
9413	107.45	SW	105.75	225		VC	5.385165	1 in 4	
9413	107.45	SW	105.75	225		VC	5.385165	1 in 4	
9412	106.17	SW	104.47	225		VC	6.708204	1 in 8	
9412	106.17	SW	104.47	225		VC	6.708204	1 in 8	
9307	102.89	FO	0	225		VC	35.35534		
9307	102.89	FO	0	225		VC	35.35534		
9505		SW	0	150		VC	4.24254		
9505		SW	0	150		VC	4.24254		
0401		FO	0	150		VC	23.34524		
0401		FO	0	150		VC	23.34524		
9411	107.52	SW	104.92	225		VC	5.09902	1 in 73	
9411	107.52	SW	104.92	225		VC	5.09902	1 in 73	
9406		FO	0	150		VC	9.894995		
9406		FO	0	150		VC	9.894995		
9415		SW	0	150		VC	20.51828		
9415		SW	0	150		VC	20.51828		
9207		FO	0	100		VC	4.359111		
9207		FO	0	100		VC	4.359111		
9208		FO	0	100		VC	28.90358		
9208		FO	0	100		VC	28.90358		
0405		SW	0	150		VC	8.48281		
0405		SW	0	150		VC	8.48281		
9318		SW	0	150		VC	17.89181		
9318		SW	0	150		VC	17.89181		
9416	107.31	SW	105.06	225		VC	12.72792	1 in 91	
9416	107.31	SW	105.06	225		VC	12.72792	1 in 91	
9419		SW	0	150		VC	9.848556		
9419		SW	0	150		VC	9.848556		
9404		FO	0	150		VC	13		
9404		FO	0	150		VC	13		
0408		SW	0	150		VC	13.89244		
0408		SW	0	150		VC	13.89244		
9338		FO	0	150		VC	24.75884		
9338		FO	0	150		VC	24.75884		
9328		FO	0	150		VC	24.75884		
9328		FO	0	150		VC	24.75884		
9421	105.76	SW	103.66	225		VC	10	1 in 11	
9421	105.76	SW	103.66	225		VC	10	1 in 11	
9408		FO	0	150		VC	12.04159		
9408		FO	0	150		VC	12.04159		
9308	102.73	SW	100.13	225		VC	68.0147	1 in 77	
9308	102.73	SW	100.13	225		VC	68.0147	1 in 77	
9414	107	SW	104.85	225		VC	7.81025		
9414	107	SW	104.85	225		VC	7.81025		
9407		FO	0	150		VC	5.69854		
9407		FO	0	150		VC	5.69854		
9405		FO	0	150		VC	23.43075		
9405		FO	0	150		VC	23.43075		
9402		FO	0	150		VC	14.86607		
9402		FO	0	150		VC	14.86607		
9319		SW	0	150		VC	9.65586		
9319		SW	0	150		VC	9.65586		
9410		SW	0	150		VC	6.40324		
9410		SW	0	150		VC	6.40324		
0409		SW	0	150		VC	12.84911		
0409		SW	0	150		VC	12.84911		
9501		CO	0	150		VC	11.40175		
9501		CO	0	150		VC	11.40175		
9417		SW	0	150		VC	11.40175		
9417		SW	0	150		VC	11.40175		
0404		SW	0	150		VC	13.92839		
0404		SW	0	150		VC	13.92839		
0407		SW	0	150		VC	10.83015		
0407		SW	0	150		VC	10.83015		
9491		FO	0	150		VC	17.02539		
9491		FO	0	150		VC	17.02539		
9504		SW	0	150		VC	8.48281		
9504		SW	0	150		VC	8.48281		
9492		FO	0	150		VC	18.43909		
9492		FO	0	150		VC	18.43909		
9204		SW	0	150		VC	26.94139		
9204		SW	0	150		VC	26.94139		
0402		SW	0	150		VC	16.64332		
0402		SW	0	150		VC	16.64332		
9403		FO	0	150		VC	8.48281		
9403		FO	0	150		VC	8.48281		
0406		SW	0	150		VC	16.64332		
0406		SW	0	150		VC	16.64332		



Refo	Cover	Func	Invert	Size x	Size y	Shape	Mat	Length	Grad
6306	FO	FO	100				VC	23.40878	
4530	FO	FO	100				VC	1.37628	
5311	FO	FO	100				VC	3.16278	1 in 10
7506	53.73	FO	50.38	150			VC	18.78829	1 in 10
6304	38.53	FO	37.56	150			VC	26.1725	1 in 40
6402	38.3	FO	36.96	150			VC	21.28029	1 in 10
7502	46.78	FO	45.75	150			VC	5.385165	1 in 5
7501	46.78	FO	45.75	150			VC	5.385165	1 in 5
6502	35.16	FO	34.06	225			VC	16.40122	1 in 4
5409	FO	FO	100				VC	20.01115	1 in 4
5409	FO	FO	100				VC	20.01115	
6505	FO	FO	100				VC	17.31768	
6505	FO	FO	100				VC	17.31768	
5506	29.66	FO	27.86	225			VC	34.21954	1 in 71
6506	29.66	FO	27.86	225			VC	34.21954	1 in 71
6302	38.51	SW	37.54	150			VC	37.21559	1 in 6
7501	43.85	FO	43.31	225			VC	19.10421	1 in 50
7501	43.85	FO	43.31	225			VC	19.10421	1 in 50
4201	29.17	SW	27.42	225			VC	66.00758	1 in 106
5407	FO	FO	100				VC	5.30894	
5407	FO	FO	100				VC	5.30894	
5401	20.01	FO	27.31	225			VC	11.40175	1 in 180
5505	31.31	FO	30.28	225			VC	25.6125	1 in 11
5505	31.31	FO	30.28	225			VC	25.6125	1 in 11
4406	28.17	FO	26.77	225			VC	84.18246	1 in 19
5328	FO	FO	100				VC	11.40175	1 in 107
5304	29.85	SW	28.05	300			VC	31.02564	1 in 157
5306	30.29	FO	28.57	225			VC	30.31099	1 in 32
6401	39.85	SW	38.71	375			VC	27.65953	1 in 16
5305	29.37	SW	27.85	300			VC	49.25444	1 in 120
4405	28.95	FO	26.99	225			VC	20.12461	1 in 91
5308	29.74	SW	28.64	150			VC	45.22189	1 in 144
7509	56.55	SW	54.6	225			VC	18.27449	1 in 144
5310	FO	FO	100				VC	9.62073	
4513	FO	FO	100				VC	9.62073	
5405	FO	FO	100				VC	12.36931	
5405	FO	FO	100				VC	12.36931	
7512	55.2	FO	54.3	100			VC	2.20986	
6503	40.08	SW	38.7	225			VC	45.22189	1 in 4
6503	40.08	SW	38.7	225			VC	45.22189	1 in 4
7403	43.85	SW	43.11	375			CO	18.38478	1 in 9
7403	43.85	SW	43.11	375			CO	18.38478	1 in 9
5303	29.33	SW	28.33	225			VC	28.18026	1 in 59
7404	41.83	SW	40.2	375			CO	16.65248	1 in 21
7404	41.83	SW	40.2	375			CO	16.65248	1 in 21
6414	FO	FO	100				VC	2.79914	
6414	FO	FO	100				VC	2.79914	
6406	37	FO	34.87	225			VC	33.00255	1 in 107
5503	28.97	SW	27.65	300			VC	54.03703	1 in 35
5503	28.97	SW	27.65	300			VC	54.03703	1 in 35
7408	FO	FO	100				VC	9.018431	
7408	FO	FO	100				VC	9.018431	
5516	FO	FO	0	225			VC	14.03267	
5516	FO	FO	0	225			VC	14.03267	
7402	44.28	FO	42.93	225			VC	56.35001	1 in 19
7402	44.28	FO	42.93	225			VC	56.35001	1 in 19
7405	41.74	FO	39.85	225			VC	25.94224	1 in 15
7405	41.74	FO	39.85	225			VC	25.94224	1 in 15
4204	29.01	FO	27.21	225			VC	47.52703	1 in 47
6404	39.94	FO	38.08	225			VC	24.89816	1 in 20
7507	53.73	SW	50.38	225			VC	17.88854	1 in 9
7507	53.73	SW	50.38	225			VC	17.88854	1 in 9
6306	FO	FO	100				VC	1.83814	
7401	45.32	SW	43.2	375			CO	55.47071	1 in 9
7401	45.32	SW	43.2	375			CO	55.47071	1 in 9
5510	FO	FO	0	150			VC	31.7805	
5510	FO	FO	0	150			VC	31.7805	
6303	36.1	FO	34.56	225			VC	47.20521	
6303	36.1	FO	34.56	225			VC	47.20521	
5514	FO	FO	100				VC	19.99409	
5514	FO	FO	100				VC	19.99409	
6403	37.81	SW	35.72	375			CO	71.17584	1 in 11
6403	37.81	SW	35.72	375			CO	71.17584	1 in 11
5307	29.25	FO	27.55	225			VC	25.94224	1 in 100
5309	29.53	SW	28.56	225			VC	59.46428	1 in 52
5404	28.99	SW	27.44	325			CO	90.08921	1 in 42
6409	CO	CO	100				VC	16.23578	
6409	CO	CO	100				VC	16.23578	
5501	30.02	SW	28.22	300			VC	16.23578	
5501	30.02	SW	28.22	300			VC	16.23578	
5315	FO	FO	100				VC	30.06659	
5315	FO	FO	100				VC	30.06659	
6413	FO	FO	100				VC	5.73932	
6413	FO	FO	100				VC	5.73932	
5408	FO	FO	100				VC	16.51454	
5408	FO	FO	100				VC	16.51454	
5606	FO	FO	0	150			VC	16.51454	
5606	FO	FO	0	150			VC	16.51454	
7511	FO	FO	0	150			VC	23.43075	
7511	FO	FO	0	150			VC	23.43075	
6501	34.04	SW	32.84	225			VC	26.30194	1 in 6
6501	34.04	SW	32.84	225			VC	26.30194	1 in 6
7504	49.68	FO	48.48	150			VC	24.08119	1 in 9
7504	49.68	FO	48.48	150			VC	24.08119	1 in 9
4203	29.29	SW	28.09	150			VC	34.0147	1 in 9
4203	29.29	SW	28.09	150			VC	34.0147	1 in 9
5408	FO	FO	100				VC	17.21699	
5408	FO	FO	100				VC	17.21699	
6506	FO	FO	100				VC	50.24938	
6506	FO	FO	100				VC	50.24938	
6504	FO	FO	100				VC	15.91971	
6504	FO	FO	100				VC	15.91971	
5314	FO	FO	100				VC	1	
5314	FO	FO	100				VC	1	
5520	28.75	FO	27.84	100			VC	1	
5520	28.75	FO	27.84	100			VC	1	
4403	27.81	SW	26.11	525			CO	64.00781	1 in 20
4403	27.81	SW	26.11	525			CO	64.00781	1 in 20
7505	49.67	SW	48.36	225			VC	12.04159	1 in 9
7505	49.67	SW	48.36	225			VC	12.04159	1 in 9
5523	FO	FO	0	150			VC	16.27882	
5523	FO	FO	0	150			VC	16.27882	
5301	29.85	FO	28.45	150			VC	11.40175	
5301	29.85	FO	28.45	150			VC	11.40175	
5508	29.11	FO	27.01	225			VC	14.31782	
5508	29.11	FO	27.01	225			VC	14.31782	
6508	29.11	FO	27.01	225			VC	14.31782	
6508	29.11	FO	27.01	225			VC	14.31782	
6301	35.13	SW	33.66	225			VC	23.79973	
6301	35.13	SW	33.66	225			VC	23.79973	
5402	28.98	FO	27.25	225			VC	59.84146	1 in 11
5402	28.98	FO	27.25	225			VC	59.84146	1 in 11
6506	FO	FO	100				VC	16.48307	
6506	FO	FO	100				VC	16.48307	
7510	55.17	SW	0	225			VC	25.6125	
7510	55.17	SW	0	225			VC	25.6125	
6405	38.51	FO	36.74	225			VC	34.36668	1 in 18
6405	38.51	FO	36.74	225			VC	34.36668	1 in 18
5201	29.45	FO	27.83	225			CO	49.0102	1 in 28
5201	29.45	FO	27.83	225			CO	49.0102	1 in 28
7503	46.78	SW	45.71	375			CO	12.16553	1 in 5
7503	46.78	SW	45.71	375			CO	12.16553	1 in 5
5507	28.95	FO	27.17	225			VC	34.1321	1 in 213
5507	28.95	FO	27.17	225			VC	34.1321	1 in 213

Refo	Cover	Func	Invert	Size x	Size y	Shape	Mat	Length	Grad
6306	FO	FO	100				VC	23.40878	
4530	FO	FO	100				VC	1.37628	
5311	FO	FO	100				VC	3.16278	1 in 10
7506	53.73	FO	50.38	150			VC	18.78829	1 in 10
6304	38.53	FO	37.56	150			VC	26.1725	1 in 40
6402	38.3	FO	36.96	150			VC	21.28029	1 in 10
7502	46.78	FO	45.75	150			VC	5.385165	1 in 5
7501	46.78	FO	45.75	150			VC	5.385165	1 in 5
6502	35.16	FO	34.06	225			VC	16.40122	1 in 4
5409	FO	FO	100				VC	20.01115	1 in 4
5409	FO	FO	100				VC	20.01115	
6505	FO	FO	100				VC	17.31768	
6505	FO	FO	100				VC	17.31768	
5506	29.66	FO	27.86	225			VC	34.21954	1 in 71
6506	29.66	FO	27.86	225			VC	34.21954	1 in 71
6302	38.51	SW	37.54	150			VC	37.21559	1 in 6
7501	43.85	FO	43.31	225			VC	19.10421	1 in 50
7501	43.85	FO	43.31	225			VC	19.10421	1 in 50
4201	29.17	SW	27.42	225			VC	66.00758	1 in 106
5407	FO	FO	100				VC		

Our Locations

Birmingham

2 The Wharf
Bridge Street
Birmingham
B1 2JS
T. 0121 643 4694
birmingham@curtins.com

Bristol

Quayside
40-58 Hotwell Road
Bristol
BS8 4UQ
T. 0117 302 7560
bristol@curtins.com

Cambridge

50 Cambridge Place
Cambridge
CB2 1NS
T. 01223 631 799
cambridge@curtins.com

Cardiff

3 Cwrt-y-Parc
Earlswood Road
Cardiff
CF14 5GH
T. 029 2068 0900
cardiff@curtins.com

Douglas

Varley House
29-31 Duke Street
Douglas
Isle of Man
IM1 2AZ
T. 01624 624 585
douglas@curtins.com

Dublin

11 Pembroke Lane
Dublin 2
D02 CX82
Ireland
T. +353 1 507 9447
dublin@curtins.com

Edinburgh

1a Belford Road
Edinburgh
EH4 3BL
T. 0131 225 2175
edinburgh@curtins.com

Glasgow

Queens House
29 St Vincent Place
Glasgow
G1 2DT
T. 0141 319 8777
glasgow@curtins.com

Kendal

Units 24 & 25 Riverside Place
K Village
Lound Road
Kendal
LA9 7FH
T. 01539 724 823
kendal@curtins.com

Leeds

Ground Floor
Rose Wharf
78-80 East Street
Leeds
LS9 8EE
T. 0113 274 8509
leeds@curtins.com

Liverpool

51-55 Tithebarn Street
Liverpool
L2 2SB
T. 0151 726 2000
liverpool@curtins.com

London

40 Compton Street
London
EC1V 0BD
T. 020 7324 2240
london@curtins.com

Manchester

Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG
T. 0161 236 2394
manchester@curtins.com

Nottingham

56 The Ropewalk
Nottingham
NG1 5DW
T. 0115 941 5551
nottingham@curtins.com