



OUR TOWN HALL

RAINWATER PIPE SCHEDULE

Document reference

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Status

S4 Construction

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Schedule

Revision

13

REVISION HISTORY:

REVISION	DATE	DESCRIPTION OF CHANGE
-	17/12/2019	First Issue
01	11/02/2021	Amendments correspond with references shown on general arrangement plan 4300 Revision 01: RWP14 description changed, additional drawing references added. RWP 108, 109 and 110 renumbered and re-allocated. Courtyard rainwater pipes RWP 70, RWP 73.2, RWP 74, RWP 75, RWP 76, RWP 78, RWP 79, RWP 80.1, RWP 80.2, RWP 81, RWP 82, RWP 84 92, RWP , RWP 85, RWP 86, RWP 88, RWP 89, RWP 90.2, RWP 93 RWP 94.1, RWP 97, RWP 98, RWP 99, RWP 100 and RWP 101 amended. Lead hopper/ overflow chutes and anti-splash shoes added at level 1 offset in place of pipe bend.
02	05/05/2021	Schedule re-issued for construction. No changes to contents
03	16/06/2022	Courtyard rainwater pipes RWP 73.2, RWP 74, RWP 75, RWP 76, RWP 77, RWP 90.2, RWP 91, RWP 92, RWP, 93 and RWP 94.1 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue
04	22/08/2022	Rainwater pipes RWP 08, RWP 09, RWP 10, RWP 11, RWP 12, RWP 22, RWP 23, RWP 24, RWP 56 and RWP 57 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue
05	07/12/2022	Rainwater pipes RWP 02, RWP 03, RWP 04, RWP 05, RWP 06, RWP 19, RWP 20, RWP 25.2, RWP 32 and RWP 99 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
06	19/12/2022	Additional replacement brackets added for rainwater pipes RWP 05, RWP 20, RWP 25, and RWP32. Additional replacement pipe reference added to RWP 19 but no change to quantity of pipes. Additional replacement pipe added to RWP 99. RWP 21, RWP 31, RWP 88 and RWP 89 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
07	06/02/2023	Rainwater pipes RWP 15.1, RWP 18.2, RWP 71, RWP 72, RWP 84, RWP 95 and RWP 96 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
08	06/03/2023	Rainwater pipes RWP 07, RWP 14, RWP 79 and RWP 81 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
09	13/04/2023	Rainwater pipes RWP 01, RWP 13.1, RWP 13.2, RWP 25.1, RWP 26.1, RWP 36.1, RWP 37.1 and RWP 80.1 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
10	17/05/2023	Rainwater pipes RWP 27.2, RWP 28.1, RWP 29.1 and RWP 83 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
11	16/07/2023	Rainwater pipes RWP 16.2, RWP 17.2, RWP 30, RWP 70, RWP 82, RWP 85, RWP 86, RWP 87, RWP 97 and RWP 100 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
12	20/10/2023	Rainwater pipes RWP 16.2, RWP 30 and RWP 86 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green
13	26/10/2023	Rainwater pipe RWP 77 amended. Pipes to be replaced shown in red, pipes to be reused in new locations shown in blue other amendments shown in green

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 01	Square cast iron	Albert Square north end	WR02	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into catch pit to RWP02	4.2m	3	01.2_1835mm 01.3_1830mm 01.4_Lead shoe 590mm			N/A	Top pipe to be shortened to accommodate new overflow chute	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 02	Rectangular cast iron	Albert Square north end	WR05	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	02.1_1685mm 02.2_1875mm 02.3_1875mm 02.4_1875mm 02.5_1875mm 02.6_1870mm 02.7_1875mm 02.8_1870mm 02.9_1875mm 02.10_Offset 1100mm damaged collar 02.11_Offset 1150mm 02.12_1875mm 02.13_860mm hole in pipe 02.14_Offset 560mm			N/A	Top pipe to be shortened to accommodate new overflow chute. New access hatches to be added to sides of offset pipes 02.10, 02.11 and 02.14	None	1 No. new cast iron pipe to replace 02.13 1 No. cast iron offset bend to replace 02.10	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 03	Square cast iron with lead sections	Albert Square north side of tower, south corner of bay window	WR05 and lead roof to bay	Lead lined parapet gutter to WR05 and bay window	Lead catch pit	New chute below cornice as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	03.1_830mm no collar 03.2_1045mm 03.3_1660mm 03.4_Lead 1215mm 03.5_880mm 03.6_930mm 03.7_1870mm damaged collar 03.8_1875mm 03.9_1875mm damaged collar 03.10_1305mm damaged collar 03.11_1670mm 03.12_1875mm 03.13_1155mm holes in collar 03.14_690mm corner offset			New lead chute connection from bay as drawing 4399 1 No. 1200mm long lead sleeve running through stone GF cill to bottom of moulding above LGF windows	Top pipe to be shortened to accommodate new overflow chute. New access hatch to be added to offset pipe 03.14 Fill casting defects in collar to 03.13 with Devcon epoxy filler	None	4 No. new cast iron pipes to replace 03.1, 03.7, 03.9 and 03.10. 1 No. lead pipe passing through stone to replace 03.04	2 No.	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515
RWP 04	Square cast iron with lead top section	Albert Square north-west corner of clock tower	WR05	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	13	04.1_Lead 900mm 04.2_1830mm 04.3_1830mm 04.4_1830mm 04.5_1835mm 04.6_1835mm 04.7_1875mm 04.8_1840mm 04.9_1835mm 04.10_1830mm 04.11_1840mm 04.12_1065mm 04.13_Offset 640mm			Rectangular lead pipe from rodding cap detail above cornice to bracket below cornice (approx 1m long) with side entry pipe from catch pit	Existing lead pipe detail to be substituted with new lead chute and short section of lead pipe to connect into top of cast iron pipe New access hatch to be added to offset pipe 04.113	None	New section of lead pipe approx 600mm	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 05	Square cast iron	Albert Square north return to entrance area to tower. North-west corner	WR25	Lead lined parapet gutter	Lead catch pit	New chute below cornice/ gargoyle as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	05.1_1735mm 05.2_1870mm 05.3_1825mm Damaged collar, pipe bottom and hole in pipe 05.4_1650mm 05.5_1870mm 05.6_1875mm 05.7_1875mm 05.8_1875mm 05.9_1870mm 05.10_Offset 1050mm bottom damaged 05.11_Offset 810mm collar damaged 05.12_1005mm 05.13_Offset 975mm 05.14_905mm 05.15_Offset 770mm			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added to sides of offset pipes 05.10, 05.11 05.13 and 05.15	None	1 No. new cast iron pipe to replace 05.3 2 No. cast iron offset bends to replace 05.10 and 05.11	1 No. to 05.05	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 06	Rectangular cast iron	Albert Square south return to entrance area to tower. South-west corner	WR26	Lead lined parapet gutter	Lead catch pit	New chute below cornice/ gargoyle as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	06.2_1660mm 06.3_1875mm 06.4_1875mm 06.5_1870mm 06.6_1875mm 06.7a_1870mm 06.8a_1875mm 06.7b_1875mm 06.8b_1875mm 06.9_Offset 1030mm 06.10_Offset collar damaged 06.11_1875mm 06.12_880mm 06.13_Offset 720mm cracked collar			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added to sides of offset pipes 06.9, 06.10 and 06.13	None	2 iron offset bend to replace 06.10 and 06.13	2 No. 06.10 and 06.13	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 07	Square cast iron	Albert Square south-west corner of clock tower	WR11	Lead lined parapet gutter	Lead catch pit	New chute below cornice/ gargoyle as drawing number 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	07.1_1735mm 07.2_1875mm 07.3_439mm 07.4_240mm lead 07.4a_1800mm lead 06.5_1875mm 07.7_1875mm broken collar 07.7_1875mm 07.8_1875mm 07.9_1875mm 07.10_1875mm 07.11_Offset 970mm 07.12_Offset 1010mm collar damaged 07.13_910mm collar cracked 07.14_Offset 980mm 07.15_930mm			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatch to be added to offsets 7.11, 7.12 and 7.14	None	4 No. new cast iron pipes to replace 07.3, 07.4, 07.7 and 07.13 1 iron offset bend to replace 07.12	3 No. 07.02, 07.04 and 07.11	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 08	Square cast iron with lead sections	Albert Square south-of clock tower. South side of bay window	WR11 and lead roof to bay	Lead lined parapet gutter to WR11 and lead gutter to bay	Lead catch pits	2 No. new chute outlet details below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square moat	21m	14	08.1_Lead 1160mm 08.2_920mm 08.3_1835mm 08.4_Lead collar 250mm 08.4.1_Lead 965mm 08.5_No collar 1140mm 08.6_Broken collar 1820 08.7_1875mm 08.8_1840mm 08.9_1875mm 08.10_1480mm 08.11_1875mm 08.12_1840mm 08.13_1215mm 08.14_corner offset 690mm		N/A	New lead chute connection from bay as drawing 4399 New access hatch to be added to side of offset pipe 08.14	None	3 No.1880mm new cast iron pipe cut to appropriate length to replace 08.1, 08.2, 08.5 and 08.6 Lead pipe and collar 08.4 and 08.4.1 to be replaced with new lead pipe Lead pipe running through stone between 08.11 and 08.12 to be replaced	2 No.	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515 New brackets as clause R10.620 with fixings as R10.466	
RWP 09	Rectangular cast iron with lead top section	Albert Square south end north elevation to south block	WR19w and WR20n	Lead lined parapet gutter	Lead catch pit	New chute outlet below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in moat	4.2m	3	09.1_Lead 650mm 09.2_1815mm 09.3_1220mm 09.4_800mm			N/A	Lead pipe in new chute outlet to be lengthened to substitute for top section of lead pipe	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 10	Square cast iron with lead section	Albert Square south end south side of bay window	Lead roof to bay	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into parapet gutter to roof WR11	21m	14	10.1_No collar 1210mm 10.2_910mm 10.3_1870mm 10.4_Collar only 165mm 10.4.1_Lead 1035 10.5_No collar 760mm 10.6_985mm 10.7_1870mm 10.8_1870mm 10.9_1870mm 10.10_990mm 10.11_1875mm 10.12_1875mm 10.13_1830mm 10.14_1245mm 10.15_Corner offset 630mm		1 No. 1200mm long lead sleeve running through stone GF cill to bottom of moulding above LGF windows	New lead chute connection from bay as drawing 4400 New access hatch to be added to side of offset pipe 10.15	None	1 No. new code 8 lead sleeve to GF/ LGF 2 No.1880mm new cast iron pipes cut to appropriate length to replace 10.1 and 10.5 Lead pipe and collar 10.4 to be replaced with new lead pipe	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 11	Rectangular cast iron with lead section	Lloyd Street west end	WR20s and WR21w and small lead roof to bay window	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Albert Square/ Lloyd Street moat	25.7m	18	11.1_Lead 520mm 11.2_1450mm 11.3_broken collar 1875mm 11.4_1875mm 11.5_1875mm 11.6_1875mm 11.7_Lead 685mm 11.8_Lead 615mm 11.9_615mm 11.10_1490mm 11.11_1875mm 11.12_1875mm 11.13_1005mm 11.14_1875mm 11.15_1875mm 11.16_1220mm 11.17 Corner offset 1020 11.18 Corner offset 980mm 11.19_1875mm		Lead lined channel set in top of string course forming outlet from gutter to small lead roof as shown on drawing 4401	Pipes to be adjusted at intersection with lead lined string to accommodate new overflow chute. Pipe 11.10 to be used in place of 11.7 and 11.8 New access hatches to be added to offset pipes 11.17 and 11.18	None	Lead pipe and channel along top of string course to be replaced in new code 8 lead 2 No.1880mm new cast iron pipes cut to appropriate length to replace 11.3, 11.9 and 11.10	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 12	Rectangular cast iron with lead section	Lloyd Street west end west side of entrance	WR21e and WR22 and small lead roof	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street	23.7m	16	12.1_Lead 12.2_1430mm 12.3_broken collar 1875mm 12.4_1875mm 12.5_1875mm 12.6_1875mm 12.7_920mm 12.8_Lead 230mm 12.8.1_No collar 810mm 12.9_1520mm 12.10_1880mm 12.11_1870mm 12.12_960mm 12.13_1875mm 12.14_1875mm 12.15_1240mm 12.16_Offset 1020mm 12.17_Offset 880mm 12.18_990mm			New access hatch to be added to side of offsets 12.16 and 12.17	None	2 No.1880mm new cast iron pipes cut to length to replace 12.3 and 12.8	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 13.1	Rectangular cast iron with lead top section	Lloyd Street west end corner east side of Lloyd Street tower behind Lloyd Street parapet	WR27	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into catch pip to roof SR10	3m	2	13.1.1_Lead 13.1.2_1870mm 13.1.3_1090mm		N/A	Existing lead pipe detail to be substituted with new lead chute	None	None	1 No. bracket for pipe 13.1.3	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 13.2	Rectangular cast iron with lead top section	Lloyd Street west end corner adjacent to new side entrance door	SR10	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in Lloyd Street	22.6m	14	13.2.1_500mm angle join 13.2.2_930mm 13.2.3_827mm 13.2.4_1390mm 13.2.5_1835mm broken collar 13.2.6_1185mm 13.2.6a_lead connection 13.2.7_660mm no collar 13.2.8_1005mm cracked collar 13.2.9_980mm 13.2.10_1830mm 13.2.11_1845mm broken collar 13.2.12_970mm cracked collar 13.2.13_Missing pipe 13.2.14_Missing collar 13.2.15_1805mm 13.2.16_1445mm broken collar 13.2.17_Offset 990mm 13.2.18_Offset 1265mm 13.2.19_Offset 1010mm 13.2.20_1755mm 13.2.21_Shoe 360mm cracked collar		Rectangular lead pipe at top	Pipe section 13.2.1 to be omitted and substituted with new lead chute and sliding pipe New access hatch to be added to side of offset bends 14.17, 14.18 and 14.19	None	8 No. sections of cast iron pipe to replace 13.2.5, 13.2.6a and 13.2.7 (one pipe), 13.2.8, 13.2.11, 13.2.12, 132.13, 13.2.14 and 13.2.16 New cast iron pipe shoe to replace 13.2.21	2 No. new brackets	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 14	Rectangular cast iron	Lloyd Street central projecting section west side of west gable	SR10	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in Lloyd Street moat	21.5m	13	14.2_1435mm 14.3_1875mm 14.4_1875mm broken collar 14.5_975mm 14.6_960mm cracked collar 14.7_1875mm broken collar 14.8_1875mm 14.9_1875mm 14.10_1875mm 14.11_1520mm 14.12_1875mm 14.13_Offset 1015mm cracked collar 14.14_Offset 1015mm broken collar 14.15_1850mm broken collar 1416_1225mm broken collar 14.17_350mm bottom bend		N/A	Top pipe to be shortened to accommodate new overflow chute Access hatch to be added to offsets 7.14 and 7.15	None	5 No. new cast iron pipes to replace 14.4, 14.6, 14.7, 14.15 and 14.16 2 iron offset bends to replace 14.13 and 14.114	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 15.1	Rectangular cast iron	Lloyd Street central projecting section west side of west gable	SR10	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street moat	21.5m	13	15.1.1_Lead 15.1.2_1440mm 15.1.3_1870mm 15.1.4_1850mm 15.1.5_Cracked collar 1830mm 15.1.6_Broken collar 1875mm 15.1.7_1875mm 15.1.8_Cracked collar 1875mm 15.1.9_1870mm 15.1.10_1610mm 15.1.11_Cracked collar 1790mm 15.1.12_Offset 1000mm approx 15.1.13_Offset 970mm cracked collar 15.1.14_Broken collar 1875mm 15.1.15_1200mm 15.1.16_angled 320mm			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added to side of offsets 15.1.12 and 15.1.13	None	5 No.1880mm new cast iron pipes cut to length to replace 15.1.5, 15.1.6, 15.1.8, 15.1.11 and 15.1.14 1 No. offset pipe to match 15.1.13	3 No. for pipes 15.1.2, 15.1.13 and 15.1.14	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 15.2	Lead pipe	Lloyd Street central projecting section east side of west gable	SR12g1e	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pip to roof SR10 connected to rainwater pipe RWP15.1	2m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207
RWP 16.1	Lead pipe	Lloyd Street central projecting section east side of west gable	SR12g1e	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pit to roof SR12 connected to rainwater pipe RWP16.2	2m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 16.2	Square cast iron	Lloyd Street central projecting section west side of west gable	SR12 and lead roof to bay window	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street moat	22m	15	16.2.1_Lead 265mm 16.2.2_827mm 16.2.3_1690mm 16.2.4_1330mm 16.2.5_Lead 505mm 16.2.6_600mm no collar 16.2.7_1280mm 16.2.8_1715mm 16.2.9_1715mm 16.2.10_1470mm 16.2.11_920mm 16.2.12_1850mm 16.2.13_1285mm cracked collar 16.2.14_1830mm 16.2.15_1830mm hole in pipe 16.2.16_Offset bend 1030mm 16.2.17_Offset bend 1005mm 16.2.18_1875mm 16.2.19_1260mm 16.2.20_Angled section 370mm			See drawing 4402 for details of new lead sleeves, lining to collar and overflow chute at connection	Top pipe to be shortened to accommodate new overflow chute. Arrangement of top pipes to be reconfigured to eliminate lead sleeve. New access hatches to be added to side of pipe bends 16.2.16 and 16.2.17	None	3 No cast iron pipes to replace 16.2.5, 16.2.6 (One pipe) 16.2.13 and 16.2.15	2 No, to for pipes 16.2.5 and 16.2.12	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515
RWP 17.1	Lead pipe	Lloyd Street central projecting section west side of east gable	SR12g2w	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pit to roof SR12 connected to rainwater pipe RWP17.1	2m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 17.2	Square cast iron	Lloyd Street central projecting section west side of east gable	SR12 and lead roof to bay window	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street moat	22m	16	17.2.1_Lead 390mm 17.2.2_955mm pipe cracked 17.2.3_950mm hole in pipe 17.2.4_1295mm 17.2.5_1880mm pipe fractured 17.2.6_1010mm collar cracked 17.2.7_1795mm 17.2.8_1875mm 17.2.9_945mm 17.2.10_860mm 17.2.11_1875mm pipe cracked 17.2.12_1875mm 17.2.13_1319mm 17.2.14_1750mm hole in pipe 17.2.15_Offset bend 1020mm 17.2.16_Offset bend 960mm 17.2.17_1820mm pipe cracked 17.2.18_1270mm 17.2.19_Angled section 370mm	See drawing 4402 for details of new lead sleeves, lining to collar and overflow chute at connection	Top pipe to be shortened to accommodate new overflow chute. New access hatch to be added to top pipe bend	None	7 No cast iron pipes to replace 17.2.2, 17.2.3, 17.2.5, 17.2.6, 17.2.11, 17.2.14 and 17.2.17	1 No. new bracket for pipe 17.2.17	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606		
RWP 18.1	Lead pipe	Lloyd Street central projecting section east side of east gable	SR12g2e	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pit to roof SR13 connected to rainwater pipe RWP18.2	2m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 18.2	Square cast iron with lead sections	Lloyd Street central projecting section east side of east gable	SR13	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street moat	22m	13	18.2.1_515mm Lead pipe 18.2.2_Cracked collar 660mm 18.2.3_920mm 18.2.4_1315mm 18.2.5_Cracked collar 1875mm 18.2.6_Cracked collar 995mm 18.2.7_Cracked collar 1875mm 18.2.8_Lead pipe 635mm 18.2.9_No collar 1010mm 18.2.10_Hole in pipe 670mm 18.2.11_915mm 18.2.12_1875mm 18.2.13_Lead pipe 875mm 18.2.14_1790mm 18.2.15_1460mm 18.1.16_angled 420mm			There is a lead sleeve running behind the corner oriel window on level 1 (approx 6m long) and another sleeve running through the stone between GF window cill level and the moulding above the LGF windows (approx 1200mm)	Top pipe to be shortened to accommodate new overflow chute.	None	6 No.1880mm new cast iron pipes cut to length to replace 18.2.2, 18.2.5, 18.2.6, 18.2.7, 18.2.8, 18.2.9 and 18.2.10 1 No. 6m long 316 grade stainless steel circular pipe behind oriel. New code 8 lead sleeve to GF/ LGF to replace 18.2.8	New stainless steel brackets integral to new pipe 2 No. for pipes 18.1.14 and 18.1.15	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 19	Rectangular cast iron	Lloyd Street east end in corner behind south-west turret	SR13, ER02a and SR16	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Lloyd Street moat	22m	14	19.1_555mm no collar 19.2_765mm damaged collar 19.3_865mm 19.4_1325mm 19.5_1875mm 19.6_950mm damaged collar 19.7_1870mm cracked collar 19.8_1875mm 19.9_1875mm hole in bottom of pipe and cracked collar 19.10_940mm collar damaged 19.11_1875mm 19.12_975mm 19.13_1655mm 19.14_1875mm 19.15_Lead 880mm 19.16_1875mm 19.17_1660mm 19.18_305			There is a lead sleeve running through the stone between GF window cill level and the moulding above the LGF windows (approx 1200mm)	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve to GF/ LGF 7 No. new cast iron pipes to replace 19.1, 19.2, 19.6, 19.7, 19.8, 19.9 and 19.10 1 No. lead pipe passing through stone to replaced 19.15	2 No. 19.1 and 19.18	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 20	Rectangular cast iron	Lloyd Street east end between south east and south-west turret/ oriels	ER04	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in lightwell	22m	15	20.2_1750mm 20.3_1150mm broken collar 20.4_1875mm cracked collar 20.5_980mm 20.6_1875mm 20.7_1875mm 20.8_1875mm 20.9_975mm 20.10_1875mm 20.11_965mm broken collar 20.12_975mm broken collar 20.13_1875mm broken collar 20.14_Offset bend_1015mm 20.15_Offset bend_1015mm_broken collar 20.16_945mm			N/A	Top pipe to be shortened to accommodate new overflow chute. New access hatches to be added to sides of offset pipes 20.14 and 20.15	None	5 No. new cast iron pipes to replace 20.3, 20.4, 20.11, 20.12 and 20.13 1 No. cast iron offset bend to replace 20.15	1 No for RWP 20.14	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 21	Square cast iron with lead top section	Cooper Street south side of Cooper Street tower	ER06	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Cooper Street moat	22m	16	21.1_Lead 910mm 21.2_1100mm 21.3_1873mm pipe collar broken 21.4_940mm 21.5_1875mm 21.6_935mm 21.7_1875mm 21.8_1840mm 21.9_1340mm 21.10_1835mm hole in pipe 21.11_1870mm 21.12_1870mm pipe collar broken 21.13_Offset 985mm 21.14_Offset 1359mm broken pipe collar 21.15_1875mm broken pipe collar 21.16_1475mm damaged pipe collar 21.17_Offset 385mm cracked collar			Top section is rectangular lead pipe	None New access hatches to be added to sides of offset pipes 21.13, 21.14 and 21.17	None	6 No. new cast iron pipes to replace 21.1, 21.3, 21.10, 20.12, 20.15 and 21.16 2 No. cast iron offset bends to replace 21.14 and 21.17	3 No. for pipes 21.1, 21.16 and 21.17	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515 New brackets as clause R10.620 with fixings as R10.466

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 22	Square cast iron with lead top section	Cooper Street north side of Cooper Street tower	ER08	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Cooper Street moat	22m	16	22.1_Lead 720mm 22.2_475mm 22.3_970mm 22.4_1875mm 22.5_960mm 22.6_1840mm 22.7_990mm 22.8_1875mm 22.9_1875mm 22.10_1350mm 22.11_1875mm 22.12_1830mm 22.13_1875mm 22.14_Offset 940mm 22.15_Offset 1040mm 22.16_1875mm 22.17_1375mm 22.18_990mm		Top section is rectangular lead pipe	None New access hatch to be added side of offset bends 22.14 and 22.15	None	1 No. new 1880mm cast iron pipe cut to length to substitute for lead pipe 22.1 and cast iron pipe 22.2	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606 New cast iron rainwater pipes: R10.515	
RWP 23	Square cast iron with lead sections	Princes Street east end corner west of north-east turret/oriel	ER07 and NER01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Bottom of pipe runs into paving on Princess Street	19m	15	23.1_Lead 440mm 23.2_780mm 23.3_1010mm 23.4_1670mm 23.5_1860mm 23.6_Collar broken 950mm 23.7_Collar broken 875mm 23.8_Access hatch 790mm 23.9_Lead offset 1050mm 23.10_1875mm 23.11_Record missing 23.12_1875mm 23.13_1545mm 23.14_1870mm 23.15_Offset with hatch in front 995mm 23.16_Offset 910mm 23.17_305mm		There is a rectangular lead side offset pipe and sleeve running through the projecting stone feature at level 2 window cill	None. Outlet pipe to new chute to be lengthened to substitute for lead pipe New access hatch to be added to side of offset pipe 23.16	None	2 No. new 1880mm cast iron pipes cut to appropriate length to replace existing pipes 23.6, 23.7 and 23.8 New offset cast iron pipe to replace 23.15 with access hatch in side Lead offset 23.9 to be replaced with new lead overflow chute at cill level	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 24	Square cast iron	Princes Street east end corner west of north-east turret/oriel	ER09 and ER11n	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Bottom of pipe runs into paving on Princess Street	19m	15	24.1_Lead 480mm 24.2_795mm 24.3_1100mm 24.4_1520mm 24.5_920mm 24.6_1220mm 24.6.1_Lead connection 24.7_No collar 600mm 24.8_990mm 24.9_950mm 24.10_Lead 990mm 24.11_1875mm 24.12_1860mm 24.13_1875mm 24.14_1835mm 24.15_Boss at bottom and lead sleeve 1650mm 24.16_lead pipe running through stone 24.17_boss on side of pipe 840mm			None	Outlet pipe to new chute to be lengthened to substitute for lead pipe Pipe 24.15 to be reused to replace pipe 24.17	None	3 No. new 1880mm pipes cut to appropriate length to replace existing pipes 24.6.1, 24.7, 24.10 and 24.15. Pipe 24.16 to be replaced with new lead pipe	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 25.1	Rectangular cast iron	Princes Street east end	NR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street moat	21.7m	13	25.1.2_1520mm 25.1.3_1880mm broken collar 25.1.4_1875mm 25.1.5_950mm 25.1.6_960mm broken collar 25.1.7_1880mm broken collar 25.1.8_1860mm broken collar 25.1.9_1880mm broken collar 25.1.10_1850mm broken collar 25.1.11_1449mm broken collar 25.1.12_1870mm cracked collar 25.1.13_Offset 1020mm 25.1.13_Offset 1040mm cracked collar 25.1.15_1880mm cracked collar 25.1.6_1310mm			None	Top pipe to be shortened to accommodate new overflow chute New access hatch to be added to side of offset pipe 25.1.13	None	9 No. new cast iron pipes to replace pipes 25.1.3, 25.1.6, 25.1.7, 25.1.8, 25.1.9, 25.1.10, 25.1.11, 25.1.12 and 25.1.15 New offset cast iron pipe to replace 25.1.15 with access hatch in side	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 25.2	Rectangular cast iron	Princes Street east gable	ER12n	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging into gutter to roof NR01	2.5m	3	25.2.1_995mm no collar and pipe damaged 25.2.1a_Lead 450mm 25.2.2_1750mm			None	Top pipe to be shortened to accommodate new lead chute	None	1 No. new 1880mm cast iron pipe to replace 25.2.1 and 25.2.2	2 No. 25.2.1 and 25.2.2	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 26.1	Rectangular cast iron	Princes Street east end	NR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street moat	21.7m	13	26.1.2_1490mm 26.1.3_1875mm 26.1.4_1875mm 26.1.5_950mm broken collar 26.1.6_980mm 26.1.7_1875mm cracked collar 26.1.8_1875mm broken collar 26.1.9_1875mm cracked collar 26.1.10_1850mm 26.1.11_1520mm 26.1.12_1830mm broken collar 26.1.13_Offset bend 1025mm 26.1.14_Offset bend hole in front face 960mm 26.1.15_1880mm 26.1.16_1320mm hole in front of pipe and cracked collar 26.1.17_shoe 300mm			None	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added side of offset bend 26.1.13 and front of offset bend 26.1.14 at location of existing hole	None	6 No. new cast iron pipes to replace 26.1.5, 26.1.7, 26.1.8, 26.1.9, 26.1.12 and 26.1.16	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 26.2	Rectangular cast iron	Princes Street central projecting gables, east side of east gable	NR03g2e	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging into gutter to roof NR01	3.8m	3	2	0	None	None	None. Outlet pipe from new chute to be lengthened to substitute for top section of lead pipe.	None	New outlet shoe at bottom of pipe	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 27.1	Lead pipe	Princess Street central projecting section west side of east gable	NR03 and NR03g2w	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pit to roof NR03 connected to rainwater pipe RWP27.2	1m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 27.2	Rectangular cast iron to upper section with square pipe to lower section	Princess Street central projecting section west side of east gable	NR03	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street	23.7	16	27.2.1_375mm with side angled connection 27.2.2_880mm 27.2.3_935mm 27.2.4_920mm 27.2.5_1845mm cracked collar damaged bottom 27.2.6_1875mm broken collar 27.2.7_1815mm 27.2.8_490mm No collar 27.2.9_1820mm 27.2.10_995mm 27.2.11_1845mm 27.2.12_1810mm 27.2.13_1810mm 27.2.14_970mm 27.2.15_840mm lead bend 27.2.16_873mm 27.2.17_950mm 27.2.18_1875mm 27.2.19_990mm offset bend 27.2.20_1005mm offset bend 27.2.21_730mm	N/A	New access hatch to be added to top side of offset bends 27.2.19 and 27.2.20 Pipe 27.2.1 to be omitted and substituted with new lead chute and sliding pipe	None	3 No. new cast iron pipes to replace 27.2.5, 27.2.6 and 27.2.8 Lead pipe 27.2.15 to be replaced with additional lead chute and connecting pipe	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606		

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 28.1	Square cast iron	Princess Street central projecting section east side of west gable	NR03	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street	23.7	16	28.1.1_447mm with side angled connection 28.1.2_750mm 28.1.3_925mm cracked collar 28.1.4_1000mm 28.1.5_1805mm 28.1.6_1805mm 28.1.7_1875mm cracked collar 28.1.8_690mm No collar 28.1.9_1540mm bottom section damaged 28.1.10_1335mm 28.1.11_1875mm 28.1.12_1590mm 28.1.13_1875mm broken collar 28.1.14_890mm broken collar 28.1.15_350mm lead bend 28.1.16_825mm cracked collar 28.1.17_965mm broken collar 28.1.18_1880mm cracked collar 28.1.19_990mm offset bend 28.1.20_1020mm offset bend 28.1.21_735mm broken collar			N/A	New access hatch to be added to top side of offset bends 28.1.19 and 28.1.20 Pipe 28.1.1 to be omitted and substituted with new lead chute and sliding pipe Damaged section of cast iron pipe 28.1.9 to be cut of bottom and pipe to be reused to replace 28.1.8	None	9 No. new cast iron pipes to replace 28.1.3, 28.1.7, 28.1.9, 28.1.13, 28.1.14, 28.1.16, 28.1.17, 28.1.18 and 28.1.21 Lead pipe 28.1.15 to be replaced with additional lead chute and connecting pipe	1 No for pipe 28.1.2	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 28.2	Lead pipe	Princess Street central projecting section west side of east gable	NR03 and NR03gle	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead pipe, catch pit and chute	Discharging into catch pit to roof NR03 connected to rainwater pipe RWP27.2	1m	0	0	0	0	N/A	New external lead pipe to be substituted for existing pipe running within wall	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 29.1	Rectangular cast iron with lead section	Princess Street west end	NR05	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street moat	22m	14	29.1.2_1555mm 29.1.3_1875mm cracked collar 29.1.4_1875mm 29.1.5_1875mm 29.1.6_1360mm cracked collar 29.1.7_Lead collar 29.1.8_1875mm broken collar 29.1.9_1875mm 29.1.10_1875mm 29.1.11_1415mm damaged collar 29.1.12_1830mm 29.1.13_1020mm offset bend 29.1.14_1020mm offset bend 29.1.15_1876mm			Lead lined channel set in top of string course forming outlet from gutter to small lead roof to bay window connects into side section of lead rainwater pipe between closely spaced string courses Level 1 floor and level 2 cill	Top pipe to be shortened to accommodate new overflow chute New access hatch to be added to side of offset bends 29.1.13 and 29.1.14	None	Lead pipe and channel along top of string course to be replaced in new code 8 lead 4 No. new cast iron pipes to replace 29.1.3, 29.1.6, 28.1.8 and 28.1.11	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 29.2	Rectangular cast iron	Princes Street central projecting gables, east side of east gable	NR03g1w	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging into gutter to roof NR05	3.8m	3	2	0	None	None	None. Outlet pipe from new chute to be lengthened to substitute for top section of lead pipe.	None	New outlet shoe at bottom of pipe	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 30	Rectangular cast iron with lead section	Princess Street west end	NR05	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully in Princess Street moat	22m	14	30.2_1557mm 30.3_1875mm collar broken 30.4_1875mm collar broken 30.5_1875mm 30.6_1875mm 30.7_1875mm collar cracked 30.8_1875mm 30.9_1875mm collar broken 30.10_1340mm collar cracked 30.11_1875mm collar cracked 30.12_Offset bend 1015mm 30.13_Offset bend 1015mm collar broken 30.14_1875mm collar cracked 30.15_390mm collar cracked 30.15_Shoe 390mm			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added side of offset bend 30.12 and 30.13	None	8 No. new cast iron pipes to replace 30.3, 30.4, 30.7, 30.9 , 30.10, 30.11, 30.14 and 30.15 1 No. cast iron offset bend to replace 30.13	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 31	Square cast iron with lead section	Princess Street west end	NR11	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully on Princess Street	23.2m	17	31.2_Lead 260mm 31.3_575mm no collar 31.4_1875mm cracked collar 31.5_1875mm 31.6_1875mm cracked collar 31.7_1875mm 31.8_1075mm 31.9_300mm Lead 31.10_600mm no collar 31.11_1335mm 31.12_430mm no collar 31.13_1875mm chipped collar moulding 31.14_1875mm 31.15_980mm cracked collar 31.16_Lead offset bend 1080mm 31.17_1875mm 31.18_1875mm cracked pipe collar 31.19_Offset bend 980mm broken pipe collar 31.20_Offset bend 1000mm cracked pipe collar 31.21_1105mm			N/A	Top pipe to be shortened to accommodate new overflow chute New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course a1 in place of offset bend 31.16 as drawing number 7068 and specification references R10.526 and R10.539 New access hatch to be added to top pipe bends 31.16, 31.19 and 31.20	None	8 No. new cast iron pipes to replace (31.2 and 31.3 combined), 31.4, 31.6, (31.8 and 31.9 combined), 31.10 , 31.12, 31.15 and 31.18 2 No. cast iron offset bends to replace 31.19 and 31.20	5 31.2, 31.9, 31.11, 31.12 and 31.19	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 32	Rectangular cast iron with lead section	Princess Street west end	WR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging into gully on Princess Street	23.2m	17	32.1_1295mm 32.2_1010mm 32.3_975mm 32.4_1840mm cracked collar 32.5_1875mm 32.6_1875mm 32.7_1875mm 32.8_1880mm 32.9_1875mm 32.10_1875mm 32.11_1875mm 32.12_1760mm 32.13_Lead 220mm 32.14_1795mm 32.15_Offset bend 960 broken collar 32.16_Offset bend 1015mm 32.17_1110mm			N/A	Top pipe to be shortened to accommodate new overflow chute New access hatches to be added to sides of offset pipes 32.15 and 32.16	N/A	3 No. new 1880mm cast iron pipes to replace 32.4, 32.12, 32.13 and 32.14 1 No. cast iron offset bend to replace 32.15	1 No. for 32.15	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 33	New lead circular pipe with shoe over perimeter ventilation detail	North-west corner of roof	WRp01	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof WCR02	2.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.519

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 34	New lead circular pipe with shoe over perimeter ventilation detail	North-west corner of roof adjacent to chimney CS34	WR08	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into lead lined gutter of roof WCR03	2.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	New lead rainwater pipe: R10.519
RWP 35	New lead circular pipe	West roof adjacent to chimney CS28	WR08	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into lead lined gutter of roof WCR03	2.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	New lead rainwater pipe: R10.519
RWP 36.1	Rectangular cast iron with lead section	Princess Street tower south elevation	NR09	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging on to roof NR10	5.5m	3	36.1.1_2060mm lead 36.1.2_1830mm corroded 36.1.3_1825mm corroded 36.1.4_1530mm collar broken			N/A	Top pipe to be shortened to accommodate new overflow chute	None	4 No. new cast iron pipes to replace 36.1.1, 36.1.2, 36.1.3 and 36.1.4	4 No. new brackets to replace 36.1.1, 36.1.2, 36.1.3 and 36.1.4	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 36.2	New circular cast iron rainwater pipe	Princess Street tower internal below roof	NR09	Lead lined parapet gutter	Lead catch pit	outlet from catch pit discharging into top of pipe	Discharging into chute to RWP36.1	5.5m	N/A	N/A	N/A	N/A	N/A	Ensign 100mm diameter cast iron pipe connected to outlet from catch pit in north gutter. Pipe to run internally below roof from north to south and discharge into new chute in south elevation	None	Ensign cast iron pipes	Ductile iron couplings at junctions between pipes and mild steel pipe suspension brackets	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 37.1	Rectangular cast iron with lead section	Princess Street tower south elevation	NR09	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging on to roof NR10	5.5m	3	37.1.2_1826mm pipe corroded and cracked 37.1.3_1830mm corroded 37.1.4_1530mm corroded			N/A	Top pipe to be shortened to accommodate new overflow chute	None	3 No. new cast iron pipes to replace 37.1.2, 37.1.3, and 37.1.4	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 37.2	New circular cast iron rainwater pipe	Princess Street tower internal below roof	NR09	Lead lined parapet gutter	Lead catch pit	outlet from catch pit discharging into top of pipe	Discharging into chute to RWP36.1	5.5m	N/A	N/A	N/A	N/A	N/A	Ensign 100mm diameter cast iron pipe connected to outlet from catch pit in north gutter. Pipe to run internally below roof from north to south and discharge into new chute in south elevation	None	Ensign cast iron pipes	Ductile iron couplings at junctions between pipes and mild steel pipe suspension brackets	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 38	New lead circular pipe with shoe over perimeter ventilation detail	North-west corner Princess Street courtyard roof	NR06	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP39	New lead circular pipe with shoe over perimeter ventilation detail	North-west corner Princess Street courtyard roof	NR06	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 40	New lead circular pipe with shoe over perimeter ventilation detail	North-west corner Princess Street courtyard roof	NR06	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 41	Lead pipe	Princess Street courtyard roof north-west corner	WCR01	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging onto lead flat roof NCR02	0.9m	0	0	0	0	Separate stepped lead shoe fitting above perimeter ventilation detail	New lead pipe and chute	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207
RWP 42	Lead pipe	Lloyd Street courtyard roof south-west corner	WCR11	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging into parapet gutter to WCR10 with new combined catch pit and gutter discharging through parapet onto lead flat at the west end of SCR02a/SCR01	1m and 1m	0	0	0	0	Separate stepped lead shoe fitting above perimeter ventilation detail	2 No new lead pipes and 2 No new catch pits and chutes	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets per pipe	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207
RWP 43	New lead circular pipe	South-west corner Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 44	New lead circular pipe	West end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 45	New lead circular pipe	West end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 46	New lead circular pipe	West end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 46.2	New lead circular pipe	West end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 47	New lead circular pipe	East end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 48	New lead circular pipe	East end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 49.1	New lead circular pipe	East end Lloyd Street courtyard roof	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR01	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 49.2	New lead circular pipe	Central roof between Lloyd Street and Cooper Street courtyards	SR09	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto asphalt roof CBRp01	1.7m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 50	New lead circular pipe	Central roof between Lloyd Street and Cooper Street courtyards	SR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto asphalt roof CBRp01	1.7m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522
RWP 51	New lead circular pipe	West end Cooper Street courtyard roof	SR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522
RWP52	New lead circular pipe	West end Cooper Street courtyard roof	SR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522
RWP 53	New lead circular pipe	East end Cooper Street courtyard roof	SR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522
RWP 54	New lead circular pipe	South-east corner Cooper Street courtyard roof	SR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof SCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522
RWP 55	Lead pipe	South-east corner Cooper Street courtyard roof	ER02n	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening in parapet wall see drawing 7050	Discharging onto lead flat roof SCR04	2.3m	0	0	0	0	Separate stepped lead shoe fitting above perimeter ventilation detail	New lead pipe and chute	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.521 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 56	Rectangular cast iron	Cooper Street Tower west elevation	ETR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging on to roof lead roof ECRp01	17m	10	56.1_1740mm 56.2_1665mm 56.3_1875mm 56.4_1880mm 56.5_1574mm 56.6_1875mm 56.7_1875mm 56.8_1880mm 56.9_1875mm 56.10_1740mm			N/A	Bottom pipes to be removed to suit new level and new lead shoe to be fixed at base.	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 57	Rectangular cast iron	Cooper Street Tower west elevation	ETR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing numbers 7023, 7045 and specification reference H71.204	Discharging on to roof lead roof ECRp01	17m	10	57.1_1749mm 57.2_1695mm 57.3_1875mm 57.4_1880mm 57.5_1540mm 57.6_1880mm 57.7_1875mm 57.8_1880mm 57.9_1880mm 57.10_1805mm			N/A	Bottom pipes to be removed to suit new level and new lead shoe to be fixed at base.	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 58.1	Circular cast iron pipe	Cooper Street spiral roof ECR01	ECR01	Half round cast iron	Spigot outlet to gutter	Spigot outlet to gutter as existing	Discharges onto lower slope of ECR01	1m	2		1	None		None all as existing details	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 58.2	New lead circular pipe	North east corner of Cooper Street Courtyard	ECR01 and east end of NCR05a	New section of cast iron gutter matching original around eaves of Cooper Street spiral roof	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into east end of parapet gutter to NCR05b	2m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	3 No. new code 8 ornamental lead bracket	New lead rainwater pipe: R10.522
RWP 59.1	Circular cast iron pipe	Cooper Street spiral roof ECR01	ECR01	Half round cast iron	Spigot outlet to gutter	Spigot outlet to gutter as existing	Discharges onto lower slope of ECR01	1m	2		1	None		None all as existing details	None	None	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 59.2	New lead circular pipe	South east corner of Cooper Street Courtyard	ECR01 and east end of SCR05a	New section of cast iron gutter matching original around eaves of Cooper Street spiral roof	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into east end of parapet gutter to SCR05b	2m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	3 No. new code 8 ornamental lead bracket	New lead rainwater pipe: R10.522
RWP 60.1	Lead pipe	North-east corner Cooper Street courtyard roof	ER12n	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening in parapet wall see drawing 7050	Discharging into gutter above outlet to RWP60.2	2.3m	0	0	0	0		New lead pipe and chute	None	New code 8 lead pipe	4 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.521 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 60.2	New lead circular pipe	East end Cooper Street courtyard roof	NR02	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 61	New lead circular pipe	East side Cooper Street courtyard roof	NR02	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 62	New lead circular pipe	West side Cooper Street courtyard roof	NR02	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 63	New lead circular pipe	West side Cooper Street courtyard roof	NR02	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR04	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 64	New lead circular pipe	Central roof between Cooper Street courtyard and Princess Street courtyard	NR02	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto asphalt roof CBRp01	1.7m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 65	New lead circular pipe	West side Cooper Street courtyard roof	NR04	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	3.3m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	4 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 66	New lead circular pipe	West side Cooper Street courtyard roof	NR04	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	3.3m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	4 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 67	New lead circular pipe	West side Cooper Street courtyard roof	NR04	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 68	New lead circular pipe	West side Cooper Street courtyard roof	NR06	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518
RWP 69	New lead circular pipe	West side Cooper Street courtyard roof	NR06	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging onto lead flat roof NCR02	1.7m	N/A	N/A	N/A	N/A	Separate stepped lead shoe fitting above perimeter ventilation detail	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 70	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north-west corner	NCR03b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in courtyard	17.2m to top of plinth	13	70.2_825mm 70.3_935mm 70.4_1880mm 70.5_1820mm 70.6_1845mm 70.7_1830mm 70.8_Offset bend 610mm 70.9_925mm 70.10_1845mm collar broken 70.11_860mm 70.12_1845mm 70.14_1600mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend 70.8 as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute Pipe bend 70.8 at level 1 offset to be omitted New access hatch to be fitted on pipe 70.14	None	New code 8 lead sleeve in plinth approx 900mm long 1 No. cast iron pipe to replace 70.10	New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 71	Circular cast iron pipe with lead bottom section	Princes Street Courtyard west end	WCR06 and WCR07	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in courtyard	23m	15	71.2_880mm 71.3_1850mm 71.4_1875mm 71.5_1875mm 71.6_920mm with 260mm lead collar at bottom 71.7_1860mm lead pipe 71.8_920mm 71.9_1850mm 71.10_1850mm 71.11_1010mm 71.12_1850mm 71.13_1840mm 71.14_1850mm 71.15_1875mm			Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute New access hatch to be fitted pipe above plinth	None	1 No.1880mm new cast iron pipe cut to length to replace 71.6 New code 8 lead sleeve in plinth	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 72	Circular cast iron pipe with lead bottom section	Princes Street Courtyard west end	WCR07 and WCR08	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in courtyard	23m	13	72.1_1730mm 72.2_1815mm 72.3_890mm 72.4_1880mm 72.5_1875mm 72.6_700mm lead pipe 72.7_1880mm 72.8_1875mm with 285mm lead pipe 72.9_1835mm 72.10_1880mm 72.11_915mm 72.12_Lead offset bend 1260mm 72.13_1835mm 72.14_1830mm			New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend 72.8 drawing number 7068 and specification references R10.526 and R10.539 Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute New access hatch to be fitted pipe above plinth	None	3 No. new cast iron pipes to replace 72.6, 72.8 and 72.12 New code 8 lead sleeve in plinth	3 No for pipes 72.6, 72.8 and 72.13	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 73.1	Lead pipe	Princes Street Courtyard south-west corner	WCR08	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening at bottom of parapet. See drawing 7046 for typical details of lead catch pit and chute	Discharging into lead gutter to GHR01	1.7m	0	0	0	0		New lead pipe and chute	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 73.2	Circular cast iron pipe with lead bottom section	Princes Street Courtyard south-west corner	GHR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	23m	14	73.2_1775mm 73.3_1830mm 73.4_1880mm 73.5_1770mm 73.6_890mm 73.7_950mm lead pipe 73.8_1840mm 73.9_1140mm 73.10_670mm offset bend 73.11_1875mm 73.12_950mm 73.13_1400mm + lead 73.14_502mm 73.15_1240mm 73.16_1590mm		Lead lined stone hopper at top of grand staircase windows. Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7069 and specification references R10.527 and R10.540	Top pipe to be shortened to accommodate new overflow chute	None	New code 8 lead sleeve in plinth and new code 8 lining to hopper 2 No.1880mm new cast iron pipes to replace 73.7, 73.13 and 73.14. 73.13 to be reused in conjunction with new offset chute.	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 74	Circular cast iron pipe with lead bottom section	Princes Street Courtyard south elevation/ Great Hall north elevation corner of east end buttress	GHR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	23m	12	74.2_1765mm 74.3_11785mm 74.4_1845mm 74.5_1840mm 74.6_1840mm 74.7_1835mm 74.8_915mm offset bend 74.9_1230mm 74.10_865mm 74.11_1850mm 74.12_1875mm 74.13_990mm 74.14_1585mm 74.15_1240mm 74.16_1590mm		Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541	Top pipe to be shortened to accommodate new overflow chute	None	New code 8 lead sleeve in plinth approx 900mm long 1 No. 1880mm new cast iron pipe to replace sections below offset in conjunction with new offset chute	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 75	Circular cast iron pipe with lead bottom section	Princes Street Courtyard south elevation/ Great Hall north elevation corner buttress third from east	GHR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	23m	12	75.2_1785mm 75.3_1840mm 75.4_1830mm 75.5_1880mm 75.6_1820mm 75.7_1020mm 75.7a_Lead hopper 75.8_650mm 75.9_800mm offset bend 75.9a_265mm + lead 75.10a_1040mm + lead no collar 75.11_900mm + boss 75.12_1875mm 75.13_1835mm 75.14_1290mm 75.15_1540mm		Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541 New cast iron gutter as specification reference R10.317 to be fitted to connect outlet from new roof to toilet extension to existing pipe as shown on drawing 7331	Top pipe to be shortened to accommodate new overflow chute Pipe bend at level 1 offset to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long 3 No. 1880 sections of new cast iron pipe to replace 77.7a, 75.8, 75.9, 75.9a, 75.10a length to be adjusted to suit location	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 76	Circular cast iron pipe with lead bottom section	Princes Street Courtyard south elevation/ Great Hall north elevation corner buttress fifth from east	GHR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	23m	12	76.2_1830mm 76.3_1425mm 76.4_1830mm 76.5_1780mm 75.6_1840mm 76.7_1835mm hole in side			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541 New lead chute as specification reference R10.537 and new cast iron gutter as specification reference R10.317 to be fitted to connect outlet from new roof to toilet extension to existing pipe as shown on drawing 7331	Top pipe to be shortened to accommodate new overflow chute Pipe bend at level 1 offset to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long 5 No. 1880mm long sections of cast iron pipe to replace pvc sections below offset	5 No new brackets with 10 No. new decorative washers	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 77	Circular cast iron pipe with lead bottom section	Princes Street Courtyard south east corner	CBR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204	Discharging into gully in courtyard	22m	12	77.2_1090mm 77.3_705mm 77.4_1850mm 77.5_1840mm 77.6_1850mm 77.7_935mm 77.8_1320mm 77.9_600mm lead offset bend 77.10_960mm 77.11_1850 77.12_1530mm + lead 77.13_1100mm no collar 77.14_910mm + lead 77.15_1495mm + lead			Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute New access hatch to be fitted in top of pipe bend	None	New code 8 lead sleeve in plinth approx 900mm long 2 No. 1880mm cast iron pipes to replace 77.9 and 77.14 77.14 to be reused elsewhere New lead collar to be manufactured to fit through stone collar to connect pipes 77.12 and 77.13	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 78	Lead pipe	Princes Street Courtyard south east corner	GHR01	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into parapet gutter to CBR01	2m	N/A	N/A	N/A	N/A	New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541	Pipe bend at level 1 offset omitted	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.518

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 79	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north elevation east end adjacent to bay window	NCR03b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 New chute below cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	9	79.1_890mm 79.2_1815mm broken collar 79.3_1880mm 79.4_680mm No collar 79.5_1775mm 79.6_1880mm 79.7_870mm lead offset 79.8_840mm 79.9_1880mm broken collar 79.10_900mm cracked collar 79.11_1840mm 79.12_1330mm 79.13_1580mm cracked collar			Lead sleeve at bottom of pipe running through hole in stone plinth New overflow chute fitted in parapet to bay window. New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute Pipe below bay window to be shortened to accommodate new overflow chute Offset bend 79.7 at level 1 to be omitted Access hatch to be fitted in pipe 79.13 above connection to lead sleeve in plinth	New custom offset bracket for new offset chute	New code 8 lead sleeve in plinth approx 900mm long 5 No. cast iron pipes to replace 79.2, 79.4, 79.9, 79.10 and 79.13.15	2 No brackets for new lead pipe to offset chute and pipe 79.4 New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 80.1	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north elevation link bridge	Link roof	Lead lined gutter	Lead catch pit	New chute outlet and lead pipe connecting to existing rainwater pipe	Discharging into gully in courtyard	17.2m to top of plinth	9	80.1.1_Lead 1220mm 80.1.2_1830mm 80.1.3_Lead collar 80.1.3_Lead hopper 80.1.4_800mm 80.1.5_895mm 80.1.6_1750mm 80.1.7_1750mm 80.1.8_950mm 80.1.9_1630mm 80.1.10_Lead 400mm 80.1.11_Lead 895mm 80.1.12_Lead 1635mm			Lead sleeve at bottom of pipe running through hole in stone plinth New cast iron gutter as specification reference R10.317 to be fitted to connect outlet from new roof to toilet extension to new lead pipe and bracket from existing outlet (replacement for 80.1.1) and new lead anti splash shoe to be fitted at connection with new pipe as shown on drawing 7331 New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539. New detail in place of lead collar and hopper 80.1.3	Top of pipe to be adjusted to accommodate new connection details Access hatch to be fitted in pipe 80.1.12 above connection to lead sleeve in plinth	None	New code 8 lead sleeve in plinth 4 No. cast iron pipes to replace 80.1.2, 80.1.10, 80.1.11 and 80.1.12	4 No brackets for new lead pipe to offset chute and pipes 80.1.3, 80.1.10, 80.1.11, 80.1.12 and missing section New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 80.2	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north elevation link bridge	Link roof	Lead lined gutter	Lead catch pit	New chute outlet and lead pipe connecting to existing rainwater pipe	Discharging into gully in courtyard	17.2m to top of plinth	9	3	6	0	Lead sleeve at bottom of pipe running through hole in stone plinth Pipe arrangement to be adjusted as shown on drawing 7331 to accommodate new outlet from toilet extension roof	Top of pipe to be adjusted to accommodate new connection details	None	New code 8 lead sleeve in plinth	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 81	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north elevation west side of west bay window	NCR03b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	15	81.2_830mm 81.3_1875mm 81.4_1165mm cracked pipe 81.5.1_800mm no collar 81.6_1880mm 81.7_855mm hole in pipe 81.7.1_910 pipe corroded 81.8 and 81.9_1705 total plastic pipe 81.10_960mm 81.11_1835mm broken collar 81.12_945mm 81.13_1480mm			Lead sleeve at bottom of pipe running through hole in stone plinth New overflow chute fitted in parapet to bay window New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	<i>Pipe to be relocated from the east to the west side of the bay window.</i> Top pipe to be shortened to accommodate new overflow chute New access hatch to be fitted above bottom pipe connection to drainage Pipe above bay window to be shortened to accommodate new overflow chute	None	6 No. cast iron pipes to replace 81.4, 81.5.1, 81.7 (1 pipe), 81.8 and 81.9 (1 pipe) 81.11 and new pipe 81.14 in place of lead sleeve noted previously in adjacent column (included at tender stage)	4 No brackets for new lead pipe to offset chute and pipes 81.5, 81.8, 81.10 and 81.14 New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes on the west side of the bay: R10.602, 603, 604 and 606
RWP 82	Circular cast iron pipe with lead bottom section	Princes Street Courtyard north-west corner	NCR03b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	13	82.2_880mm 82.3_1855mm 82.4_965mm 82.5 Offset bend 1115mm collar cracked 82.5.1_725mm 82.6_1840mm collar broken 82.7_1645mm 82.8 Offset bend 650mm 82.9_940mm 82.10_1850mm 82.11_885mm 82.12_1825mm 82.13_1300mm 82.14_1600mm collar broken 82.15_470mm pipe corroded 82.16_620mm 82.17_lead 290mm			Lead sleeve at bottom of pipe running through hole in stone plinth New overflow chute fitted in parapet to bay window New lead chute at offset on bay parapet New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute Offset bends at parapet to bay at level 1 to be omitted Pipe above bay window to be shortened to accommodate new overflow chute Access hatch to be fitted in pipe above connection to lead sleeve in plinth	None	4 No. cast iron pipes to replace 82.5, 82.6, 82.14, 82.15 and 82.17 New code 8 lead sleeve in plinth approx 900mm long	2 No. brackets for pipes 82.5.1 and 82.14 New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 83	Circular cast iron pipe with lead bottom section	Lloyd Street Courtyard west end	WCR09 and WCR10	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	22.3m to top of plinth	14	83.2_835mm 83.3_1845mm 83.4_1875mm broken collar 83.5_1875mm 83.6_800mm broken collar 83.7_930mm 83.8_1850mm 83.9_1876mm broken collar 83.10_1875mm 83.11_1845mm 83.12_1840mm 83.13_1880mm 83.14_990mm 83.15_1765mm 83.16_1575mm		Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute Access hatch to be fitted in pipe above connection to lead sleeve in plinth	None	3 No. cast iron pipes to replace 83.4, 83.6 and 83.9 New code 8 lead sleeve in plinth approx 900mm long	2 No for pipes 83.7 and 83.15	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 84	Circular cast iron pipe with lead bottom section	Lloyd Street south-east corner	SCR02b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.3m to top of plinth	15	84.2_430mm 84.3_950mm 84.4_1830mm 84.5_1825mm 84.6_1830mm 84.7_960mm 84.8_1875mm 84.9_offset bend 595mm 84.10_collar broken 915mm 84.11_collar broken 1830mm 84.12_pipe corroded at back 1270mm 84.13_640mm 84.14_pipe corroded at back 590mm 84.15_pipe corroded at back 500mm 84.16_pipe corroded at back 1200mm		Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend 84.9 as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe bend 84.9 at level 1 offset to be omitted Access hatch to be fitted in pipe above connection to lead sleeve in plinth	None	6 No. cast iron pipes to replace 84.10, 84.11, 84.12, 84.14, 84.15 and 84.16 New code 8 lead sleeve in plinth approx 900mm long	New custom offset bracket for new offset chut	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 85	Circular cast iron pipe with lead bottom section	Lloyd Street south elevation west side of bay window	SCR02b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 New chute above cornice to bay	Discharging into gully in courtyard	17.3m to top of plinth	11	85.2_835mm pipe cracked 85.3_1880mm 85.4_850mm no collar 85.5_1880mm 85.6_1880mm 85.7_1880mm 85.7.1_Offset bend 445mm 85.8_920mm 85.9_1830mm 85.10_965mm pipe cracked 85.11_1880mm 85.12_1200mm 85.13_1640mm collar cracked 84.16_pipe corroded at back 1200mm		Lead sleeve at bottom of pipe running through hole in stone plinth New overflow chute fitted in parapet to bay window New lead hopper, offset chute and anti-splash shoe to be fitted to replace offset bend 85.7.1 above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe bend 85.7.1 to level 1 offset to be omitted Pipe below bay window to be shortened to accommodate new overflow chute Access hatch to be fitted in pipe above connection to lead sleeve in plinth	None	4 No. cast iron pipes to replace 85.2, 85.4, 85.10, and 85.13 New code 8 lead sleeve in plinth approx 900mm long	New custom offset bracket for new offset chute 1 No. bracket to replace 85.4	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 86	Circular cast iron pipe with lead bottom section	Lloyd Street south elevation west side of bay window	SCR02b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 . New chute above cornice to bay	Discharging into gully in courtyard	17.3m to top of plinth	15	86.2_850mm 86.3_1880mm 86.4_885mm 86.5_Offset bend 670mm 86.6_565mm 86.6.1_880mm 86.7_1880mm collar cracked 86.8_1875mm 86.8.1_Offset bend 675mm 86.9_930mm 86.10_1880mm collar broken 86.11_945mm 86.12_1840mm 86.13_1220mm 86.14_1550mm			Lead sleeve at bottom of pipe running through hole in stone plinth New overflow chute fitted in parapet to bay window to replace offset bend 86.5 New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend 86.6.1 as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Offset bends at bay parapet 86.5 and at level 186.8.1 to be omitted Pipe below bay window to be shortened to accommodate new overflow chute	None	New code 8 lead sleeve in plinth approx 900mm long 2 No cast iron pipes to replace 86.7 and 86.10	New custom offset bracket for new offset chute 2 No. brackets to for pipes 86.6.1 and 86.8.1	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 87	Circular cast iron pipe with lead bottom section	Lloyd Street south elevation south-west corner of link bridge	GHR03	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	10.7m to top of plinth	9	87.2_840mm 87.3_1525mm 87.4_Offset bend 730mm 87.5_930mm collar cracked 87.6_1850mm collar cracked 87.7_950mm 87.8_1880mm 87.9_790mm 87.9.1_Lead pipe 500mm 87.10_1510mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend 87.4 as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. New access hatch to be fitted in top of pipe bend	None	New code 8 lead sleeve in plinth approx 900mm long 3 No cast iron pipes to replace 87.5, 87.6 and 87.9 and 87.9.1	New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 88	Circular cast iron pipe with lead bottom section	Lloyd Street south elevation west side of bay window between link and east end	SCR02b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 . New chute above cornice to bay	Discharging into gully in courtyard	17.3m to top of plinth	14	88.2_840mm 89.3_1845mm 89.4_900mm 88.5_Offset 680mm 88.6_560mm broken collar 88.6 lead collar 88.6.1_890mm 88.7_1875mm 88.8_1875mm 88.8.1_offset bend 650mm 88.9_850mm 88.10_1880mm 88.11_940mm 88.12_1880mm chip in collar moulding 89.13_1210mm 88.14_1575mm			Lead sleeve at bottom of pipe running through hole in stone plinth Flat roof to bay window draining into pipe New overflow chute fitted in parapet to bay window (88.5) New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 (88.8.1) in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe below bay window to be shortened to accommodate new overflow chute Pipe bend at level 1 offset to be omitted New access hatch to be fitted to opening in pipe 88.14	None	New code 8 lead sleeve in plinth approx 900mm long 2 No cast iron pipes to replace 88.6 and 88.11	None. No bracket required to 88.6.1 fitted immediately below stone collar	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 89	Circular cast iron pipe with lead bottom section	Lloyd Street south elevation south-east corner	SCR02b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.3m to top of plinth	14	89.2_1010mm 89.3_965mm 89.4_1875mm 89.5_1875mm 89.6_845mm 89.7_995mm 89.7.1_845mm 89.8_1070mm 89.8.1 offset bend 470mm 89.8.2_925mm no collar 89.8.2_Lead 170mm 89.8_1885mm 89.10_915mm 89.11_1880mm 89.12_1270mm collar chipped 89.13_1500mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend (89.8.1) as drawing number 7067 and specification references R10.526 and R10.541	Top pipe to be shortened to accommodate new overflow chute. Pipe bend at level 1 offset to be omitted New access hatch to be fitted to opening in pipe 89.13	None	New code 8 lead sleeve in plinth approx 900mm long	None No brackets required for 89.7.1 where retained with pipe collar or 89.8.2 where pipe to be fitted from below through stone collar into new lead pipe from offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 90.1	Lead pipe	Princes Street Courtyard north-east corner/ South-east corner of Great Hall	GHR02	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening in parapet wall	Discharging into lead gutter to CBR02	1.4m	0	0	0	0		New lead pipe and chute	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 90.2	Circular cast iron pipe with lead bottom section	Lloyd Street north elevation/ Great Hall south	CBR02	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.3m to top of plinth	14	90.1_582mm 90.2_1300mm 90.3_965mm 90.4_1880mm 90.5_905mm 90.6_1875mm 90.7_1875mm 90.8_675mm offset bend 90.9_1875mm 90.10_1190mm 90.11_1875mm 90.12_1220mm 90.13_1550mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541	Top pipe to be shortened to accommodate new overflow chute. Offset bend at level 1 to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long 1 No. 1880mm cast iron pipe to replace section below offset in conjunction with new offset chute	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 91	Circular cast iron pipe with lead bends, straight sections and bottom section	Lloyd Street north elevation/ Great Hall south. North-east corner of link bridge	GHR04	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	10.9m to top of plinth	9	91.1_850mm lead pipe 91.2_940mm 91.3_1710mm lead pipe 91.4_1830mm 91.5_1880mm 91.6_1500mm lead pipe			2 No. straight sections of lead pipe 900mm and 500mm long Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute. New access hatch to be added to pipe bend	None	New code 8 lead sleeve in plinth approx 900mm long 2 No. new cast iron pipes to replace lead pipe below outlet and pipe 2. 3 No. lead pipe sections to be replaced	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 92	Circular cast iron pipe with lead bends, straight sections and bottom section	Lloyd Street north elevation/ Great Hall south. East side of third buttress from west end	GHR02	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	19.3m to top of plinth	14	92.2_1730mm 92.3_1875mm 92.4_1875mm 92.5_1850mm 92.6_1880mm 92.7_1880mm 92.8_850mm offset bend 92.9_315mm 92.10_550mm 92.11_1800mm 92.12_965mm 92.13_1880mm 92.14_1990mm 92.15_1220mm 92.16_330mm lead			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper,/offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve in plinth approx 900mm long 1 No 1880mm cast iron pipe to replace 92.15 and 92.16 Pipe section 94.12a to be reused below new offset lead chute	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe schedule

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 93	Circular cast iron pipe with lead bottom section	Lloyd Street north elevation/ Great Hall south. East side of first buttress from west end	GHR02	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	19.3m to top of plinth	13	93.2_1750mm 93.3_1850mm 83.4_1880mm 93.5_1880mm 93.6_1840mm 93.7_1875mm 93.8_940mm offset bend 93.9_300mm lead 93.10_940mm lead sleeve 93.11_1880mm 93.12_930mm 93.13_1800mm 93.14_1190mm 93.15_1550mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper,/offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7067 and specification references R10.526 and R10.541	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve in plinth approx 900mm long Pipe section 94.3ato be reused below new offset lead chute	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 94.1	Circular cast iron pipe with lead bottom section	Lloyd Street north elevation/ Great Hall south. North-east corner	GHR02	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7005 and specification reference H71.204	Discharging into gully in courtyard	19.3m to top of plinth	13	94.2_1755mm 94.3a_1340mm + lead 94.3b_500mm + lead 94.4_1880mm 94.5_1780mm 94.6_1880mm 94.7_1850mm 94.8_990mm 94.9_670mm offset bend 94.10_1880mm 94.11_950mm 94.12a_1200mm 94.12b_1650mm 94.13_1600mm			Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7069 and specification references R10.527 and R10.540	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve in plinth approx 900mm long 3 No cast iron pipes to replace sections 94.3a and b, 94.12a and 12b.	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 94.2	Lead pipe	Lloyd Street north elevation/ Great Hall south. North-east corner	WCR09	Lead lined parapet gutter	Lead catch pit	New combined catch pit and chute discharging through new opening in parapet wall	Discharging into lead gutter to GHR02	1.7m	0	0	0	0		New lead pipe and chute	None	New code 8 lead pipe	2 No. new code 8 ornamental lead brackets	New lead rainwater pipe: R10.520 New lead catch pit and chute detail: H71.207
RWP 95	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard, West elevation north side	CBR09	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.3m to top of plinth	10	95.2_1555mm 95.3_1875mm 95.4_1860mm 95.5_1830mm 95.6_1875mm 95.7_1830mm 95.8_1835mm 95.9_930mm 95.10_1835mm 95.11_1840mm 95.12_1315mm			Lead sleeve at bottom of pipe running through hole in stone plinth New access hatch to be fitted to pipe 95.12	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve in plinth approx 900mm long	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 96	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard, West elevation south side	CBR09	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.3m to top of plinth	11	96.2_1605mm 96.3_1825mm 96.4_1320mm 96.5_No collar 470mm 96.6_1845mm 96.7_1875mm 96.8_Pipe corroded at back 1830mm 96.9_1795mm 96.10_930mm 96.11_1830mm 96.12_1790mm 96.13_1220mm		Lead channel in top of string course level with top of bay cornice directs water into dishd channel in pipe collar Lead sleeve at bottom of pipe running through hole in stone plinth	Top pipe to be shortened to accommodate new overflow chute. New access hatch to be fitted to pipe 96.13	None	2 No. new cast iron pipes to replace 96.5 and 96.8 New code 8 lead weathering/ lining to be installed in string course New code 8 lead sleeve in plinth approx 900mm long	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	
RWP 97	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard south elevation west side of bay	SCR05b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 . New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	13	97.2_1520mm 97.3_1880mm 97.4_1260mm 97.4.1_495mm no collar 97.5_1795mm 97.6_1820mm 97.7_580mm 97.8.1_545mm offset bend 97.8.2_785mm no collar 97.9_1840mm 97.10_935mm 97.11_1810mm 97.12_935mm 97.13_960mm 97.14_1245mm		Lead sleeve at bottom of pipe running through hole in stone plinth Flat roof to bay window draining into pipe New overflow chute fitted in parapet to bay window New overflow chute fitted in parapet to bay window. New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset 97.8.1 above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe above bay window to be shortened to accommodate new overflow chute Pipe bend 97.8.1 at level 1 offset to be omitted	None	2 No. cast iron pipes to replace 97.4.1 and 97.8.2 New code 8 lead sleeve in plinth approx 900mm long	3 No. brackets for pipes 97.4.1, 97.8 and 97.12	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 98	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard south elevation east side of bay	SCR05b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 . New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	12	4	9	1 No. between GF and L1	Lead sleeve at bottom of pipe running through hole in stone plinth Flat roof to bay window draining into pipe New overflow chute fitted in parapet to bay window New overflow chute fitted in parapet to bay window New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe above bay window to be shortened to accommodate new overflow chute Pipe bend at level 1 offset to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 99	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard north elevation east side of bay	NCR05b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 .	Discharging into gully in courtyard	17.2m to top of plinth	12	99.2_1520mm 99.3_1820mm 99.4_1875mm 99.5_1785mm 99.6_1800mm 99.7_845mm 99.8_1020mm 99.9_1875mm 99.10_965mm 99.11_1750mm broken collar 99.12_915mm 99.13_1050mm 99.14_1045mm 99.15_675mm 99.16_640mm		Lead sleeve at bottom of pipe running through hole in stone plinth New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string (99.8) course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute.	None	New code 8 lead sleeve in plinth approx 900mm long 2 No. new cast iron pipe to replace 99.8 (short section of straight pipe below new offset chute) 99.11	1 No. extended collar to 99.8	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606	

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference
RWP 100	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard north elevation west side of east bay	SCR05b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023 and specification reference H71.204 . New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	11	100.2_1510mm 100.3_1810mm 100.4_1345mm 100.5_525mm no collar 100.6_1810mm 100.7_1750mm pipe corroded 100.8_560mm 100.9_565mm offset bend 100.10_830mm no collar 100.11_1825mm 100.12_860mm hole in pipe 100.13_1800mm 100.14_860mm 100.15_975mm 100.16_1350mm			Lead sleeve at bottom of pipe running through hole in stone plinth Flat roof to bay window draining into pipe New overflow chute fitted in parapet to bay window New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe above bay window to be shortened to accommodate new overflow chute Offset bend 100.9 at level 1 to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long 4 No. new cast iron pipes to replace 100.5, 100.7, 100.10 and 100.12	3 No. new brackets for pipes 100.5, 100.10 and 100.14 New custom offset bracket for new offset chute	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 101	Circular cast iron pipe with lead bottom section	Cooper Street Courtyard north elevation east side of west bay	SCR05b	Lead lined parapet gutter	Lead catch pit	New chute below cornice as drawing number 7023. New chute above cornice to bay	Discharging into gully in courtyard	17.2m to top of plinth	11	6	6	1 No. between GF and L1	Lead sleeve at bottom of pipe running through hole in stone plinth Flat roof to bay window draining into pipe New overflow chute fitted in parapet to bay window New lead hopper, offset chute and anti-splash shoe to be fitted at pipe offset above string course at level 1 in place of offset bend as drawing number 7068 and specification references R10.526 and R10.539	Top pipe to be shortened to accommodate new overflow chute. Pipe below bay window to be shortened to accommodate new overflow chute Offset bend at level 1 to be omitted	None	New code 8 lead sleeve in plinth approx 900mm long	None	Remove, repaint and refit existing cast iron rainwater pipes: R10.602, 603, 604 and 606
RWP 102	Internal rainwater pipe. Specification by Arup	Central plant deck	CBRp01	Asphalt inverted roof Pipe to be fitted with overflow alarm														Rainwater outlet from flat roof: R10.366 Refer to Arup specification for rainwater pipe
RWP 103	Internal rainwater pipe. Specification by Arup	Central plant deck	CBRp01	Asphalt inverted roof Pipe to be fitted with overflow alarm														Rainwater outlet from flat roof: R10.366 Refer to Arup specification for rainwater pipe

Rainwater pipe number	Type	Location	Roof reference	Gutter type	Gutter outlet	Proposed gutter connection to rainwater pipe	Detail at bottom	Overall length (In metres approx)	Number of brackets	Cast iron pipe long pipes (between 1500m to 1800mm)	Cast iron pipes short sections (less than 1500mm)	Cast iron pipe bends	Other details	Adjustments to existing pipes	Adjustments to existing brackets	New pipes	New brackets	Specification reference	
RWP 104.1	Internal rainwater pipe. Specification by Arup	South-west roof on courtyard side	WCR11, WCR03	Lead lined gutter	Lead catch pit	Spigot outlet from lead catch pit connecting into top of internal rainwater pipe. Pipe to be fitted with overflow alarm	Discharging into surface water drainage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Refer to Arup specification	
RWP 104.2	New lead circular pipe	South-west roof on courtyard side	WR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into catch pit for RWP104.1	1.7m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522	
RWP 104.3	New lead circular pipe	South-west roof on courtyard side	WR16	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into catch pit for RWP104.1	1.7m	N/A	N/A	N/A	N/A		N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	Replace existing lead rainwater pipe: R10.522	
RWP 105	Internal rainwater pipe. Specification by Arup	North-west roof on courtyard side	WR04 and NRp01	Lead lined gutter	Lead catch pit	Spigot outlet from lead catch pit connecting into top of internal rainwater pipe. Pipe to be fitted with overflow alarm	Discharging into surface water drainage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Refer to Arup specification	
RWP 106	Internal rainwater pipe. Specification by Arup	New roof between Cooper Street spiral and Cooper Street tower	ECRp01	Lead lined gutter	Lead catch pit	Spigot outlet from lead catch pit connecting into top of internal rainwater pipe. Pipe to be fitted with overflow alarm	Discharging into surface water drainage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Refer to Arup specification	
RWP 107	Internal rainwater pipe. Specification by Arup	North-east corner of clock tower	WR09 and WCR03	Lead lined gutter	Lead catch pit	Spigot outlet from lead catch pit connecting into top of internal rainwater pipe. Pipe to be fitted with overflow alarm	Discharging into surface water drainage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Refer to Arup specification	
RWP 108	New lead circular pipe	Half way between south-east corner of clock tower and chimney CS30	WR14	Cast iron gutter	Spigot outlet to gutter	Spigot outlet discharging into top of pipe	Discharging into lead lined gutter of roof WCR03	2.2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 ornamental lead bracket	New lead rainwater pipe: R10.519
RWP 109	New lead circular pipe	New lead flat roof on north side of Lloyd Street tower	WR14	Lead gutter below ridge	Lead spigot outlet	Spigot outlet discharging into top of pipe	Lead shoe discharging into parapet gutter	2m	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	New 100mm diameter pipe	2 No. new code 8 lead brackets	New lead rainwater pipe: R10.519