

| PROPOSED SURFACE WATER MANHOLE SCHEDULE |                 |            |           |           |                 |                  |             |                             |                 |                          |                |                |                                                                       |
|-----------------------------------------|-----------------|------------|-----------|-----------|-----------------|------------------|-------------|-----------------------------|-----------------|--------------------------|----------------|----------------|-----------------------------------------------------------------------|
| MH REF                                  | EASTING         | NORTHING   | GL (mAOD) | IL (mAOD) | DEPTH TO SOFFIT | DS PIPE DIAMETER | MH DIA (mm) | MH TYPE                     | COVER SIZE (mm) | COVER CLASS              | RECESSED COVER | BACK DROP ILs  | COMMENTS                                                              |
| SW1                                     | 384865.002      | 396994.132 | 39.15     | 38.60     | 0.40            | 150              | 450         | PPIC                        | 450 X 450       | B125 - SINGLE SEALED     | N              |                |                                                                       |
| SW2                                     | 384868.787      | 396990.433 | 39.15     | 37.40     | 1.60            | 150              | 450         | PPIC                        | 450 X 450       | B125 - SINGLE SEALED     | Y              | 38.56          | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm                   |
| SW3                                     | 384856.680      | 396970.870 | 39.17     | 37.70     | 1.32            | 150              | 450         | PPIC                        | 450 X 450       | B125 - SINGLE SEALED     | Y              | 38.70          | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm                   |
| SW4                                     | 384859.936      | 396974.525 | 39.16     | 37.65     | 1.36            | 150              | 450         | PPIC                        | 450 X 450       | B125 - SINGLE SEALED     | Y              |                | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm                   |
| SW5                                     | 384866.651      | 396970.605 | 39.17     | 37.51     | 1.51            | 150              | 450         | PPIC                        | 450 X 450       | B125 - SINGLE SEALED     | Y              |                | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm                   |
| SW5A                                    | 384872.757      | 396973.796 | 39.25     | 37.50     | 1.60            | 150              | 450         | PPIC                        | 450 X 450       | INTERNAL - DOUBLE SEALED | Y              | 38.700         | INTERNAL MANHOLE                                                      |
| SW6                                     | 384880.729      | 396983.856 | 39.18     | 37.18     | 1.70            | 300              | 600         | PPIC                        | 600 X 600       | B125 - SINGLE SEALED     | Y              |                | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm                   |
| SW7                                     | 384884.924      | 396980.336 | 39.20     | 37.16     | 1.74            | 300              | 1200        | TYPE 2                      | 600 X 600       | B125 - SINGLE SEALED     | N              |                |                                                                       |
| SW8                                     | MANHOLE OMITTED |            |           |           |                 |                  |             |                             |                 |                          |                |                |                                                                       |
| SW9                                     | 384897.651      | 396970.793 | 38.98     | 37.70     | 1.13            | 150              | 600         | PPIC                        | 600 X 600       | D400 - SINGLE SEALED     | N              |                |                                                                       |
| SW10                                    | 384897.376      | 396969.119 | 38.95     | 37.05     | 1.75            | 150              | 1500        | TYPE 2 FLOW CONTROL CHAMBER | 1200 x 675      | D400 - SINGLE SEALED     | N              |                | HYDROBRAKE MANHOLE SUMP DEPTH TBC BY HYDRO-INTERNATIONAL              |
| SW11                                    | 384898.538      | 396967.734 | 38.93     | 36.70     | 2.08            | 150              | 1200        | FILTER CHAMBER              | 1200 x 675      | D400 - SINGLE SEALED     | N              | INLET IL 36.76 | MANHOLE RINGS CONSTRUCTED OVER NAYLOR FILTER CHAMBER -REFER TO DETAIL |
| CW1                                     | 384900.960      | 396965.089 | 38.90     | 36.35     | 2.40            | 150              | 1200        | TYPE 2                      | 600 X 600       | D400 - SINGLE SEALED     | N              | 37.28          | INTERCEPTOR TRAP ON INCOMING SURFACE WATER PIPE                       |

| PROPOSED COMBINED WATER NETWORK A MANHOLE SCHEDULE |            |            |           |           |                 |                  |             |         |                 |                      |                |                            |                                                     |
|----------------------------------------------------|------------|------------|-----------|-----------|-----------------|------------------|-------------|---------|-----------------|----------------------|----------------|----------------------------|-----------------------------------------------------|
| MH REF                                             | EASTING    | NORTHING   | GL (mAOD) | IL (mAOD) | DEPTH TO SOFFIT | DS PIPE DIAMETER | MH DIA (mm) | MH TYPE | COVER SIZE (mm) | COVER CLASS          | RECESSED COVER | BACK DROP ILs              | COMMENTS                                            |
| FWA1                                               | 384842.096 | 396981.235 | 39.15     | 37.91     | 1.02            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              |                            |                                                     |
| FWA2                                               | 384842.504 | 396982.560 | 39.15     | 37.90     | 1.03            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              | 38.70                      |                                                     |
| FWA3                                               | 384845.276 | 396986.274 | 39.20     | 37.85     | 1.13            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              | 38.70                      |                                                     |
| FWA4                                               | 384848.881 | 396989.863 | 39.20     | 37.82     | 1.16            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              | 38.70                      |                                                     |
| FWA5                                               | 384853.812 | 396994.518 | 39.20     | 37.76     | 1.22            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              | 38.70                      | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA6                                               | 384858.291 | 396998.648 | 39.20     | 37.71     | 1.27            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              |                            | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA7                                               | 384865.460 | 396992.234 | 39.16     | 37.64     | 1.30            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | N              | 37.64 (225)<br>38.70 (100) | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA8                                               | 384868.978 | 396988.686 | 39.16     | 37.61     | 1.33            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | Y              | 38.70                      | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA9                                               | 384871.382 | 396986.504 | 39.16     | 37.59     | 1.34            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | Y              | 38.70                      | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA10                                              | 384876.079 | 396984.900 | 39.16     | 37.56     | 1.37            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | Y              | 38.70                      | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA11                                              | 384880.835 | 396980.794 | 39.16     | 37.52     | 1.41            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED | Y              | 38.70                      | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA12                                              | 384885.368 | 396977.721 | 39.14     | 37.04     | 1.88            | 225              | 600         | PPIC    | 600 X 600       | D400 - SINGLE SEALED | N              |                            | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWA13                                              | 384898.615 | 396964.921 | 38.92     | 37.30     | 1.40            | 225              | 600         | PPIC    | 600 X 600       | D400 - SINGLE SEALED | N              |                            | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |

| PROPOSED FOUL WATER NETWORK B MANHOLE SCHEDULE |            |            |           |           |                 |                  |             |         |                 |                          |                |               |                                                     |
|------------------------------------------------|------------|------------|-----------|-----------|-----------------|------------------|-------------|---------|-----------------|--------------------------|----------------|---------------|-----------------------------------------------------|
| MH REF                                         | EASTING    | NORTHING   | GL (mAOD) | IL (mAOD) | DEPTH TO SOFFIT | DS PIPE DIAMETER | MH DIA (mm) | MH TYPE | COVER SIZE (mm) | COVER CLASS              | RECESSED COVER | BACK DROP ILs | COMMENTS                                            |
| FWB1                                           | 384870.406 | 396971.167 | 39.25     | 37.90     | 1.25            | 100              | 450         | PPIC    | 450 X 450       | INTERNAL - DOUBLE SEALED | Y              | 38.75         | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWB2                                           | 384867.802 | 396968.441 | 39.18     | 37.80     | 1.23            | 150              | 450         | PPIC    | 450 X 450       | B125 - SINGLE SEALED     | Y              |               | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWB3                                           | 384860.128 | 396975.824 | 39.18     | 37.70     | 1.33            | 150              | 450         | PPIC    | 450 X 450       | B125 - SINGLE SEALED     | Y              | 38.73         | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWB4                                           | 384858.810 | 396974.874 | 39.18     | 37.68     | 1.35            | 150              | 450         | PPIC    | 450 X 450       | B125 - SINGLE SEALED     | Y              | 38.70         | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWB5                                           | 384856.806 | 396972.778 | 39.18     | 37.66     | 1.37            | 150              | 450         | PPIC    | 450 X 450       | B125 - SINGLE SEALED     | Y              | 38.70         | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| EX MH3                                         | 384855.696 | 396971.026 | 39.17     | 37.55     | 0.72            | 225              | 600         | PPIC    | 600 X 600       | B125 - SINGLE SEALED     | Y              |               | EXISTING MANHOLE TO BE RBUILT                       |

| PROPOSED FOUL WATER NETWORK C MANHOLE SCHEDULE |            |            |           |           |                 |                  |             |         |                 |                          |                |               |                                                     |
|------------------------------------------------|------------|------------|-----------|-----------|-----------------|------------------|-------------|---------|-----------------|--------------------------|----------------|---------------|-----------------------------------------------------|
| MH REF                                         | EASTING    | NORTHING   | GL (mAOD) | IL (mAOD) | DEPTH TO SOFFIT | DS PIPE DIAMETER | MH DIA (mm) | MH TYPE | COVER SIZE (mm) | COVER CLASS              | RECESSED COVER | BACK DROP ILs | COMMENTS                                            |
| FWC1                                           | 384873.402 | 396971.029 | 39.25     | 37.80     | 1.35            | 100              | 450         | PPIC    | 450 X 450       | INTERNAL - DOUBLE SEALED | Y              |               | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |
| FWC2                                           | 384871.790 | 396968.885 | 39.18     | 37.40     | 1.63            | 150              | 450         | PPIC    | 450 X 450       | B125 - SINGLE SEALED     | N              |               | NMA - ACCESS RESTRICTED TO 350mm DIA OR 300 x 300mm |

| EXISTING MANHOLES TO BE ADJUSTED |           |           |                 |                  |           |               |                      |                 |                      |                |                                                                                            |  |
|----------------------------------|-----------|-----------|-----------------|------------------|-----------|---------------|----------------------|-----------------|----------------------|----------------|--------------------------------------------------------------------------------------------|--|
| MH REF                           | EXISTING  |           |                 |                  | PROPOSED  |               |                      |                 |                      |                |                                                                                            |  |
|                                  | GL (mAOD) | IL (mAOD) | DEPTH TO SOFFIT | DS PIPE DIAMETER | GL (mAOD) | REVISED DEPTH | CHANGE IN DEPTH (mm) | COVER SIZE (mm) | COVER CLASS          | RECESSED COVER | COMMENTS                                                                                   |  |
| EX MH4                           | 39.120    | 37.540    | 1.36            | 225              | 39.17     | 1.41          | 50                   | 600 X 600       | B125 - SINGLE SEALED | Y              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO CONFIRMATION OF EXISTING MANHOLE SIZE ON SITE |  |
| EX MH5                           | 39.130    | 37.450    | 1.46            | 225              | 39.17     | 1.50          | 40                   | 600 X 600       | B125 - SINGLE SEALED | Y              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO CONFIRMATION OF EXISTING MANHOLE SIZE ON SITE |  |
| EX MH6                           | 39.130    | 37.330    | 1.58            | 225              | 39.15     | 1.60          | 20                   | 600 X 600       | B125 - SINGLE SEALED | Y              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO                                               |  |
| EX MH7                           | 39.130    | 37.270    | 1.64            | 225              | 39.11     | 1.62          | -20                  | 600 X 600       | B125 - SINGLE SEALED | Y              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO                                               |  |
| EX MH10                          | 39.140    | 38.590    | 0.45            | 100              | 39.11     | 0.42          | -30                  | 600 X 600       | B125 - SINGLE SEALED | N              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO                                               |  |
| EX MH11                          | 39.050    | 38.430    | 0.52            | 100              | 39.11     | 0.58          | 60                   | 600 X 600       | B125 - SINGLE SEALED | N              | COVER SIZE MAY REQUIRE CHANGING - SUBJECT TO                                               |  |

NOTES:  
1) NMA = NO MAN ACCESS  
2) RECESSED COVERS ASSUMED IN PROPOSED PAVED AREAS - LANDSCAPE ARCHITECT TO CONFIRM REQUIRMEMENT.

GENERAL NOTES:

FOR DRAINAGE NOTES REFER TO DRAWING  
500991-CUR-XX-00-DR-C-92530

DRAWING REFERENCES

TOPOGRAPHICAL SURVEY (DPR) RECEIVED 07.03.19  
18607-T-ADDITIONAL AREA REV A1

ARCHITECT (HCD)

500991-HCD-ZZ-00-DR-A-9001 REV C01 SITE PLAN GA  
500991-HCD-ZZ-00-DR-A-2300 REV C01 SLAB SETTING OUT LEVEL 00  
500991-HCD-ZZ-00-DR-A-9002 REV C02 WATER TANK ROOM

M&E (AMEON)

500991-AME-ZZ-XX-DR-M-5201 REV C01 LEVEL 00 AGD LAYOUT  
500991-AME-ZZ-XX-DR-M-5230 REV C01 AGD SCHEMATIC SHEET 1  
500991-AME-ZZ-XX-DR-M-5231 REV C01 AGD SCHEMATIC SHEET 2  
500991-AME-ZZ-XX-DR-M-5232 REV C01 RAINWATER SCHEMATIC  
500991-AME-ZZ-XX-DR-N-9020 REV C04 SITE WIDE EXTERNAL M&E SERVICES LAYOUT

LANDSCAPE ARCHITECT (WEDDLES)

1280-WLD-00-XX-DR-L-0001 REV-F LANDSCAPE GA PLAN

FOUNDATION LAYOUT (CURTINS)

500991-CUR-XX-00-FN-DR-S-16001 REV C02 FOUNDATION LAYOUT

CCTV SURVEYS:

S20263 CCTV SURVEY BY SEP DATED FEB 2020  
ADDITIONAL SURVEY BY TEAM DRAINAGE DATED JUNE 2021

EXISTING PUBLIC SEWERS

PUBLIC SEWER LOCATIONS DERIVED FROM PDF OVERLAY OF UNITED UTILITIES PUBLIC SEWER PLANS. RECEIVED 08.03.19

AS-BUILT DRAINAGE

AS BUILT DRAINAGE INFORMATION RECEIVED 15.09.22 FROM QED CONSTRUCTION

FINAL CONSTRUCTION

THE INFORMATION IS BASED ON CONFIRMATION FROM THE CONTRACTOR OF THE INSTALLED DRAINAGE. THERE MAY BE VARIATIONS ON SITE WHICH ARE NOT REFLECTED ON THIS DRAWING AND HAS NOT BEEN VERIFIED.

|      |                                                                                             |          |     |       |
|------|---------------------------------------------------------------------------------------------|----------|-----|-------|
| FC01 | FINAL CONSTRUCTION ISSUE                                                                    | 21.09.22 | ATL | ATL   |
| C04  | ATTENUATION TANK DETAILS AMENDED, DRAINAGE AMENDED TO SUIT ON-SITE CHANGES                  | 09.02.22 | ATL | CG    |
| C03  | DRAINAGE AMENDED TO ACCEPT EXISTING COMBINED DRAINAGE, AND REVISED EXISTING DRAINAGE LEVELS | 23.12.21 | ATL | ATL   |
| C02  | UPDATED IN LINE WITH DESIGN TEAM COMMENTS                                                   | 09/11/21 | ATL | ATL   |
| C01  | CONSTRUCTION ISSUE                                                                          | 20.09.21 | ATL | MW    |
| Rev: | Description:                                                                                | Date:    | By: | Chkd: |



Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG  
0161 236 2384  
manchester@curtins.com  
www.curtins.com

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Status:  
FINAL CONSTRUCTION

Project:  
KINCARDINE COURT

Orig Title:  
MANHOLE SCHEDULES

|              |             |           |              |             |       |                    |      |
|--------------|-------------|-----------|--------------|-------------|-------|--------------------|------|
| Size:        | Date:       | Drawn By: | Designed By: | Checked By: |       |                    |      |
| A1           | 20/09/21    | ATL       | ATL          | MW          |       |                    |      |
| Scale: 1:200 |             |           |              |             |       |                    |      |
| Project No:  | Originator: | Volume:   | Level:       | Type:       | Role: | Category / Number: | Rev: |

500991 - CUR - ZZ - 00 - DR - C - 9510 - FC01

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