

Notes

GENERAL

- This drawing is to be read in conjunction with all relevant Engineers and Architects drawings and with the Specification.
- For setting out refer to Architects drawings.
- All dimensions are in millimetres and levels are in metres unless noted otherwise.
- Contractor to take all relevant dimensions on site. Any discrepancies to be advised to the Engineer.
- Contractor to check/scan for services prior to construction to avoid any damage during works.
- This drawing is based on PDP Architects plan dated May 2022

| SURFACE WATER MANHOLE SCHEDULE (CL to be confirmed by architect / contractor)<br>Manhole / Inspection Chambers located in (H) Hard Landscaping (S) Soft Landscaping |                 |                  |           |                   |              |                 |            |                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------|-------------------|--------------|-----------------|------------|------------------------------------|
| MANHOLE REF.                                                                                                                                                        | COVER LEVEL (m) | INVERT LEVEL (m) | DEPTH (m) | CHAMBER SIZE (mm) | CONSTRUCTION | COVER SIZE (mm) | COVER TYPE | NOTES                              |
| SWMH01                                                                                                                                                              | 40.500          | 37.500           | 2.500     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWSAT02                                                                                                                                                             | 40.000          | 38.000           | 2.000     | 1200              | Type 2 (H)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWMH2hb                                                                                                                                                             | 40.000          | 37.900           | 2.100     | 1200              | Type 2 (H)   | 600x600         | D400       | Hydrobrake Chamber                 |
| SWMH03                                                                                                                                                              | 40.500          | 37.000           | 3.500     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWSAT01                                                                                                                                                             | 40.375          | 38.375           | 2.000     | 1200              | Type 2 (S)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWMH6hb                                                                                                                                                             | 40.313          | 38.275           | 2.038     | 1200              | Type 2 (H)   | 600x600         | D400       | Hydrobrake Chamber                 |
| SWMH04                                                                                                                                                              | 40.250          | 37.000           | 3.250     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH05                                                                                                                                                              | 38.000          | 35.425           | 2.675     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH06                                                                                                                                                              | 39.000          | 34.795           | 4.205     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH07                                                                                                                                                              | 39.000          | 33.930           | 5.070     | 1200              | Type 2 (S)   | 600x600         | D400       |                                    |
| SWMH08                                                                                                                                                              | 41.000          | 38.000           | 3.000     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH09                                                                                                                                                              | 40.750          | 36.497           | 4.253     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH10                                                                                                                                                              | 40.500          | 34.994           | 5.506     | 1200              | RE           | 600x600         | D400       |                                    |
| SWMH11                                                                                                                                                              | 40.500          | 34.642           | 5.858     | 1200              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH12                                                                                                                                                              | 39.000          | 33.846           | 5.154     | 1200              | Type 2 (S)   | 600x600         | D400       |                                    |
| SWMH13                                                                                                                                                              | 39.000          | 33.000           | 6.000     | 1500              | Type 2 (S)   | 600x600         | D400       |                                    |
| SWSPOND1                                                                                                                                                            | 32.576          | 28.350           | 4.226     | 1200              | Type 2 (S)   | 600x600         | D400       | Stormwater Pond chamber            |
| SWMH14hb                                                                                                                                                            | 31.250          | 28.250           | 3.000     | 1500              | Type 2 (S)   | 600x600         | D400       | Hydrobrake Chamber                 |
| S OUTFALL                                                                                                                                                           | 24.000          | 23.470           | 0.530     |                   |              | 750x675         | D400       | Stormwater Outfall                 |
| SWSAT01                                                                                                                                                             | 37.000          | 35.400           | 1.375     | 1350              | Type 2 (H)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWSAT02                                                                                                                                                             | 37.000          | 35.400           | 1.375     | 1350              | Type 2 (H)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWMH01                                                                                                                                                              | 38.000          | 35.300           | 2.475     | 1350              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH02                                                                                                                                                              | 39.000          | 37.425           | 1.350     | 1350              | Type 2 (H)   | 1200x675        | D400       |                                    |
| SWSAT03                                                                                                                                                             | 39.500          | 35.400           | 3.875     | 1350              | Type 2 (S)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWMH03hb                                                                                                                                                            | 39.425          | 34.100           | 5.100     | 1350              | Type 2 (H)   | 600x600         | D400       | Hydrobrake Chamber                 |
| SWMH04                                                                                                                                                              | 39.350          | 34.990           | 3.910     | 1350              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH05                                                                                                                                                              | 38.850          | 34.790           | 3.340     | 1350              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWMH06                                                                                                                                                              | 37.000          | 34.490           | 2.060     | 1350              | Type 2 (H)   | 600x600         | D400       |                                    |
| SWSAT04                                                                                                                                                             | 36.250          | 34.100           | 1.925     | 1350              | Type 2 (S)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWSAT05                                                                                                                                                             | 36.250          | 34.100           | 1.925     | 1350              | Type 2 (S)   | 600x600         | D400       | Attenuation Crate Catchpit Manhole |
| SWMH07hb                                                                                                                                                            | 35.560          | 33.400           | 1.935     | 1350              | Type 2 (H)   | 600x600         | D400       | Hydrobrake Chamber                 |
| SWMH08                                                                                                                                                              | 34.000          | 32.120           | 1.655     | 1350              | Type 2 (S)   | 600x600         | D400       |                                    |
| SWMH09                                                                                                                                                              | 33.000          | 30.588           | 2.187     | 1350              | Type 2 (S)   | 600x600         | D400       |                                    |
| SWMH10                                                                                                                                                              | 30.000          | 26.525           | 3.250     | 1350              | Type 2 (S)   | 600x600         | D400       |                                    |
| S OUTFALL                                                                                                                                                           | 24.000          | 23.500           | 0.500     |                   |              | 750x675         | D400       | Stormwater Outfall                 |

| Co ORDINATE TABLE FOR STORM DRAINAGE MANHOLES<br>NORTHERN SECTION |            |            |
|-------------------------------------------------------------------|------------|------------|
| REF.                                                              | EASTING    | NORTHING   |
| S1                                                                | 470698.146 | 109561.470 |
| SAT2                                                              | 470642.907 | 109481.759 |
| S2                                                                | 470635.408 | 109481.182 |
| S3                                                                | 470615.662 | 109583.287 |
| SAT1                                                              | 470630.200 | 109544.210 |
| S4                                                                | 470623.587 | 109544.210 |
| S5                                                                | 470572.576 | 109534.708 |
| S6                                                                | 470567.044 | 109566.185 |
| S7                                                                | 470573.000 | 109591.000 |
| S8                                                                | 470705.282 | 109638.435 |
| S9                                                                | 470661.848 | 109626.369 |
| S10                                                               | 470618.413 | 109614.283 |
| S11                                                               | 470611.437 | 109606.373 |
| S12                                                               | 470586.678 | 109594.020 |
| S13                                                               | 470575.739 | 109618.333 |
| SPOND1                                                            | 470550.662 | 109628.618 |
| S14                                                               | 470528.184 | 109631.817 |
| S                                                                 | 470451.717 | 109578.461 |

| Co ORDINATE TABLE FOR STORM DRAINAGE MANHOLES<br>SOUTHERN SECTION |            |            |
|-------------------------------------------------------------------|------------|------------|
| REF.                                                              | EASTING    | NORTHING   |
| SAT1                                                              | 470579.629 | 109468.364 |
| SAT2                                                              | 470582.759 | 109453.926 |
| S1                                                                | 470591.678 | 109455.498 |
| S2                                                                | 470611.080 | 109475.612 |
| SAT3                                                              | 470617.904 | 109466.361 |
| S3hb                                                              | 470622.972 | 109475.874 |
| S4                                                                | 470637.870 | 109459.005 |
| S5                                                                | 470640.116 | 109429.266 |
| S6                                                                | 470630.382 | 109384.913 |
| SAT4                                                              | 470565.286 | 109385.153 |
| SAT5                                                              | 470557.880 | 109389.019 |
| S7hb                                                              | 470554.059 | 109378.280 |
| S8                                                                | 470536.910 | 109376.528 |
| S9                                                                | 470519.952 | 109364.038 |
| S10                                                               | 470519.613 | 109363.789 |
| S                                                                 | 470431.432 | 109351.355 |

| FOUL WATER MANHOLE SCHEDULE (CL to be confirmed by architect / contractor)<br>Manhole / Inspection Chambers located in (H) Hard Landscaping (S) Soft Landscaping |                 |                  |           |                   |              |                 |            |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------|-------------------|--------------|-----------------|------------|-------------------------------------------------------------------------------------------------------------------------------|
| MANHOLE REF.                                                                                                                                                     | COVER LEVEL (m) | INVERT LEVEL (m) | DEPTH (m) | CHAMBER SIZE (mm) | CONSTRUCTION | COVER SIZE (mm) | COVER TYPE | NOTES                                                                                                                         |
| FWIC01                                                                                                                                                           | 40.500          | 39.150           | 1.350     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC02                                                                                                                                                           | 38.500          | 37.150           | 1.350     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC03                                                                                                                                                           | 40.375          | 36.904           | 3.471     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC04                                                                                                                                                           | 40.250          | 36.565           | 3.685     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC05                                                                                                                                                           | 39.000          | 37.290           | 1.710     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC06                                                                                                                                                           | 39.500          | 36.252           | 3.248     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC07                                                                                                                                                           | 39.750          | 35.754           | 3.996     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC08                                                                                                                                                           | 38.000          | 37.185           | 0.815     | 750x675           | Type 3 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC09                                                                                                                                                           | 39.375          | 35.490           | 3.885     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC10                                                                                                                                                           | 38.500          | 35.105           | 3.395     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC11                                                                                                                                                           | 37.000          | 34.569           | 2.431     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC12                                                                                                                                                           | 36.250          | 34.099           | 2.151     | 1200              | Type 2 (H)   | 600x600         | D400       |                                                                                                                               |
| FWIC13                                                                                                                                                           | 35.500          | 33.624           | 1.876     | 750x675           | Type 3 (S)   | 600x600         | D400       |                                                                                                                               |
| FWIC14                                                                                                                                                           | 34.000          | 32.724           | 1.276     | 1200              | Type 2 (S)   | 600x600         | D400       |                                                                                                                               |
| FWIC15                                                                                                                                                           | 34.000          | 32.008           | 1.992     | 1200              | Type 2 (S)   | 600x600         | D400       | 1500 foul water lateral under a S106 application with Southern Water. Outfall location to be determined following discussions |

| Co ORDINATE TABLE FOR FOUL DRAINAGE MANHOLES<br>SOUTHERN SECTION |            |            |
|------------------------------------------------------------------|------------|------------|
| REF.                                                             | EASTING    | NORTHING   |
| F1                                                               | 470613.723 | 109598.870 |
| F2                                                               | 470579.919 | 109534.620 |
| F3                                                               | 470630.517 | 109548.376 |
| F4                                                               | 470626.151 | 109542.113 |
| F5                                                               | 470603.331 | 109475.152 |
| F6                                                               | 470626.275 | 109479.558 |
| F7                                                               | 470637.386 | 109478.188 |
| F8                                                               | 470601.890 | 109454.541 |
| F9                                                               | 470639.934 | 109457.254 |
| F10                                                              | 470642.071 | 109428.934 |
| F11                                                              | 470633.405 | 109386.948 |
| F12                                                              | 470596.005 | 109383.629 |
| F13                                                              | 470558.275 | 109379.982 |
| F14                                                              | 470558.408 | 109340.519 |
| F15                                                              | 470566.693 | 109310.604 |

PRELIMINARY - NOT FOR CONSTRUCTION

|      |                   |      |       |       |          |
|------|-------------------|------|-------|-------|----------|
| P05  | Preliminary Issue | TK   | TK    | IL    | 16.11.22 |
| P04  | Preliminary Issue | TK   | TK    | IL    | 10.10.22 |
| P03  | Preliminary Issue | RD   | TK    | IL    | 14.06.22 |
| P02  | Preliminary Issue | RD   | TK    | IL    | 06.06.22 |
| P01  | Preliminary Issue | RD   | TK    | IL    | 26.05.22 |
| Rev. | Amendment         | Drn. | Chkd. | Appd. | Date     |

Project

Cabbagefield Row  
Leigh Park

Drawing

Manhole Schedule

Client  
Portsmouth City Council

Scott White and Hookins  
Structural Engineering   Civil Engineering   Sustainability and BREEAM   CDM Consultancy

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Scale at A1 - NTS  
303795-SWH-XX-XX-DR-C-0502-P05  
Project | Originator | Zone | Level | Type | Role | Number | Rev.

DO NOT SCALE FROM THIS DRAWING