

| MANHOLE SCHEDULE                       |                              |                     |                                                   |                                                                                      |                                                                                      |                                                                                      |                                                             |                                                                                  |            |                                                      |  |
|----------------------------------------|------------------------------|---------------------|---------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------|------------|------------------------------------------------------|--|
| * INDICATES IL TO BE CONFIRMED ON SITE |                              |                     |                                                   |                                                                                      |                                                                                      |                                                                                      |                                                             |                                                                                  |            |                                                      |  |
| MH NAME                                | EASTING NORTHING             | COVER LEVEL & CLASS | PIPE NAMES                                        | PIPE INVERT LEVEL                                                                    | PIPE SOFFIT LEVEL                                                                    | PIPE DIA. & MATERIAL                                                                 | PIPE SLOPE                                                  | PIPE LENGTH                                                                      | DS/MH NAME | TYPE                                                 |  |
| 4200                                   | E 388412.023<br>N 396207.932 | 65.410m<br>D400     | F1.005                                            | 60.125m                                                                              | 60.275m                                                                              | Ø150 VC                                                                              | 1:14                                                        | 7.560m                                                                           |            | 1,500 DIA PCC 600X600 ACCESS<br>UU COMBINED SEWER MH |  |
| FW01                                   | E 388409.289<br>N 396147.822 | 65.450m<br>INTERNAL | F19<br>F2.000                                     | 64.390m<br>64.390m                                                                   | 64.490m<br>64.490m                                                                   | Ø100 VC<br>Ø100 VC                                                                   | 1:11<br>1:16                                                | 6.761m<br>9.728m                                                                 | FW02       | 450 PPIC MIN 430 ACCESS                              |  |
| FW02                                   | E 388400.003<br>N 396150.722 | 65.451m<br>D400     | F20<br>F2.000<br>F2.001                           | 63.800m<br>63.800m<br>63.800m                                                        | 63.900m<br>63.900m<br>63.900m                                                        | Ø100 VC<br>Ø100 VC<br>Ø100 VC                                                        | 1:75<br>1:16<br>1:57                                        | 3.761m<br>9.728m<br>14.154m                                                      | FW03       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW03                                   | E 388404.063<br>N 396164.282 | 65.286m<br>C250     | F2.001<br>F40<br>F21<br>F2.002                    | 63.550m<br>63.550m<br>63.550m<br>63.500m                                             | 63.650m<br>63.650m<br>63.650m<br>63.650m                                             | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø150 VC                                             | 1:57<br>1:8<br>1:7<br>1:82                                  | 14.154m<br>11.880m<br>10.247m<br>20.929m                                         | FW11       | 450 PPIC MIN 430 ACCESS                              |  |
| FW04                                   | E 388405.784<br>N 396170.028 | 65.286m<br>C250     | F25<br>F24<br>F22<br>F28                          | 63.800m<br>63.800m<br>63.800m<br>63.800m                                             | 63.900m<br>63.900m<br>63.900m<br>63.900m                                             | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC                                             | 1:10<br>1:7<br>1:16<br>1:36                                 | 7.289m<br>4.823m<br>11.309m<br>3.461m                                            | FW05       | 450 PPIC MIN 430 ACCESS                              |  |
| FW05                                   | E 388406.845<br>N 396173.322 | 65.288m<br>C250     | F29<br>F28<br>F31                                 | 63.705m<br>63.705m<br>63.705m                                                        | 63.805m<br>63.805m<br>63.805m                                                        | Ø100 VC<br>Ø100 VC<br>Ø100 VC                                                        | 1:8<br>1:36<br>1:8                                          | 4.824m<br>3.461m<br>2.661m                                                       |            | 450 PPIC MIN 430 ACCESS                              |  |
| FW06                                   | E 388408.995<br>N 396180.625 | 65.287m<br>C250     | F33<br>F34<br>F32<br>F35                          | 63.750m<br>63.750m<br>63.750m<br>63.750m                                             | 63.850m<br>63.850m<br>63.850m<br>63.850m                                             | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC                                             | 1:13<br>1:13<br>1:7<br>1:6                                  | 15.835m<br>15.695m<br>9.330m<br>2.477m                                           |            | 450 PPIC MIN 430 ACCESS                              |  |
| FW07                                   | E 388445.922<br>N 396150.216 | 65.450m<br>INTERNAL | F5<br>F1<br>F2<br>F6<br>F3<br>F4<br>F43<br>F1.000 | 64.560m<br>64.560m<br>64.560m<br>64.560m<br>64.560m<br>64.560m<br>64.560m<br>64.560m | 64.660m<br>64.660m<br>64.660m<br>64.660m<br>64.660m<br>64.660m<br>64.660m<br>64.660m | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC | 1:39<br>1:5<br>1:26<br>1:22<br>1:27<br>1:10<br>1:50<br>1:11 | 17.229m<br>2.113m<br>11.312m<br>9.636m<br>11.996m<br>4.452m<br>21.980m<br>7.461m | FW08       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW08                                   | E 388448.154<br>N 396157.336 | 65.450m<br>INTERNAL | F1.000<br>F7<br>F8<br>F10<br>F9<br>F1.001         | 63.850m<br>63.850m<br>63.850m<br>63.850m<br>63.850m<br>63.850m                       | 63.950m<br>63.950m<br>63.950m<br>63.950m<br>63.950m<br>64.000m                       | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø150 VC                       | 1:11<br>1:4<br>1:4<br>1:9<br>1:9<br>1:74                    | 7.461m<br>4.407m<br>4.225m<br>10.339m<br>10.047m<br>15.617m                      | FW09       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW09                                   | E 388451.519<br>N 396172.586 | 65.417m<br>D400     | F1.001<br>F1.002                                  | 63.640m<br>63.590m                                                                   | 63.790m<br>63.740m                                                                   | Ø150 VC<br>Ø150 VC                                                                   | 1:74<br>1:132                                               | 15.617m<br>45.554m                                                               | FW11       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW11                                   | E 388407.661<br>N 396184.899 | 65.142m<br>D400     | F2.002<br>F1.002<br>F1.004                        | 63.245m<br>63.245m<br>63.245m                                                        | 63.395m<br>63.395m<br>63.395m                                                        | Ø150 VC<br>Ø150 VC<br>Ø150 VC                                                        | 1:82<br>1:132<br>1:139                                      | 20.929m<br>45.554m<br>15.924m                                                    | FW12       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW12                                   | E 388411.271<br>N 396200.409 | 65.597m<br>D400     | F1.004<br>F1.005                                  | 63.130m<br>60.675m                                                                   | 63.280m<br>60.825m                                                                   | Ø150 VC<br>Ø150 VC                                                                   | 1:139<br>1:14                                               | 15.924m<br>7.560m                                                                | 4200       | 1,200 DIA PCC 600X600 ACCESS                         |  |
| FW13                                   | E 388451.013<br>N 396161.663 | 65.450m<br>INTERNAL | F13<br>F11<br>F14<br>F41<br>F16                   | 64.750m<br>64.750m<br>64.750m<br>64.750m<br>64.750m                                  | 64.850m<br>64.850m<br>64.850m<br>64.850m<br>64.850m                                  | Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC<br>Ø100 VC                                  | 1:5<br>1:15<br>1:6<br>1:35<br>1:2                           | 1.194m<br>3.849m<br>1.614m<br>8.678m<br>1.897m                                   |            | 450 PPIC MIN 430 ACCESS                              |  |

| MANHOLE SCHEDULE                       |                              |                     |                                       |                                                     |                                                     |                                                     |                                         |                                                   |                |                                                                                                                                         |  |
|----------------------------------------|------------------------------|---------------------|---------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------|---------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| * INDICATES IL TO BE CONFIRMED ON SITE |                              |                     |                                       |                                                     |                                                     |                                                     |                                         |                                                   |                |                                                                                                                                         |  |
| MH NAME                                | EASTING NORTHING             | COVER LEVEL & CLASS | PIPE NAMES                            | PIPE INVERT LEVEL                                   | PIPE SOFFIT LEVEL                                   | PIPE DIA. & MATERIAL                                | PIPE SLOPE                              | PIPE LENGTH                                       | DS/MH NAME     | TYPE                                                                                                                                    |  |
| INT1                                   | E 388481.833<br>N 396187.898 | 66.424m<br>D400     | S1.001<br>S1.002                      | 64.810m<br>64.710m                                  | 65.035m<br>64.935m                                  | Ø225 VC<br>Ø225 VC                                  | 1:89<br>1:123                           | 4.433m<br>3.696m                                  | TANK 1         | 1,200 DIA PCC 600X600 ACCESS<br>NSBP006 KLARGESTER<br>BYPASS SEPARATOR                                                                  |  |
| SW02                                   | E 388485.628<br>N 396196.816 | 66.427m<br>D400     | S1<br>S1.000                          | 64.950m<br>64.950m                                  | 65.175m<br>65.175m                                  | Ø225 VC<br>Ø225 VC                                  | 1:20<br>1:95                            | 16.643m<br>8.563m                                 | SW05           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW04                                   | E 388486.688<br>N 396183.155 | 66.363m<br>D400     | S2<br>S2.000                          | 64.900m<br>64.900m                                  | 65.125m<br>65.125m                                  | Ø225 VC<br>Ø225 VC                                  | 1:25<br>1:128                           | 22.544m<br>5.139m                                 | SW05           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW05                                   | E 388486.250<br>N 396188.276 | 66.476m<br>D400     | S2.000<br>S1.000<br>S1.001            | 64.860m<br>64.860m<br>64.860m                       | 65.085m<br>65.085m<br>65.085m                       | Ø225 VC<br>Ø225 VC<br>Ø225 VC                       | 1:128<br>1:95<br>1:89                   | 5.139m<br>8.563m<br>4.433m                        | INT1           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW06                                   | E 388464.194<br>N 396194.444 | 66.133m<br>D400     | S1.003<br>S1.004                      | 64.065m<br>64.065m                                  | 64.290m<br>64.215m                                  | Ø225 VC<br>Ø150 VC                                  | 1:96<br>1:100                           | 3.346m<br>21.975m                                 | SW10           | 1,200 DIA PCC 600X600 ACCESS<br>FITTED WITH 38MM ORIFICE<br>FLOW CONTROL TO<br>RESTRICT FLOWS TO 4.4L/S.                                |  |
| SW07                                   | E 388457.326<br>N 396144.503 | 65.450m<br>D400     | S4<br>S8<br>S30<br>S3.000             | 63.575m<br>63.650m<br>63.650m<br>63.500m            | 63.800m<br>63.800m<br>63.800m<br>63.800m            | Ø225 VC<br>Ø150 VC<br>Ø150 VC<br>Ø300 VC            | 1:105<br>1:1<br>1:3<br>1:196            | 23.688m<br>1.744m<br>5.803m<br>11.755m            | SW08           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW08                                   | E 388460.883<br>N 396155.707 | 65.534m<br>D400     | S3.000<br>S34A<br>S3.001              | 63.440m<br>64.310m<br>63.440m                       | 63.740m<br>64.410m<br>63.740m                       | Ø300 VC<br>Ø100 VC<br>Ø300 VC                       | 1:196<br>1:3<br>1:141                   | 11.755m<br>2.021m<br>4.243m                       | SW09           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW09                                   | E 388456.824<br>N 396156.943 | 65.450m<br>INTERNAL | S3.001<br>S9<br>S3.002                | 63.410m<br>63.560m<br>63.410m                       | 63.710m<br>63.710m<br>63.710m                       | Ø300 VC<br>Ø150 VC<br>Ø300 VC                       | 1:141<br>1:45<br>1:200                  | 4.243m<br>6.345m<br>17.985m                       | SW16           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW10                                   | E 388442.566<br>N 396190.555 | 65.615m<br>D400     | S1.004<br>S3.004<br>S1.005            | 63.845m<br>63.200m<br>63.200m                       | 63.995m<br>63.500m<br>63.500m                       | Ø150 VC<br>Ø300 VC<br>Ø300 VC                       | 1:100<br>1:186<br>1:184                 | 21.975m<br>11.154m<br>5.878m                      | TANK 2         | 1,200 DIA PCC 600X600 ACCESS<br>150MM SILT TRAP                                                                                         |  |
| SW11                                   | E 388394.568<br>N 396153.575 | 65.400m<br>D400     | S19A<br>S18<br>S4.000                 | 63.200m<br>63.200m<br>63.200m                       | 63.425m<br>63.425m<br>63.425m                       | Ø225 VC<br>Ø225 VC<br>Ø225 VC                       | 1:41<br>1:22<br>1:121                   | 6.100m<br>16.889m<br>18.221m                      | SW13           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW12                                   | E 388403.132<br>N 396189.980 | 65.134m<br>D400     | S4.001<br>S4.002                      | 62.870m<br>62.870m                                  | 63.170m<br>63.170m                                  | Ø300 VC<br>Ø300 VC                                  | 1:183<br>1:27                           | 19.194m<br>10.592m                                | TANK 2<br>SW19 | 1,200 DIA PCC 600X600 ACCESS<br>150MM SILT TRAP                                                                                         |  |
| SW13                                   | E 388398.202<br>N 396171.430 | 65.077m<br>D400     | S4.000<br>S25<br>S4.001               | 63.050m<br>63.125m<br>62.975m                       | 63.275m<br>63.275m<br>63.275m                       | Ø225 VC<br>Ø150 VC<br>Ø300 VC                       | 1:121<br>1:114<br>1:183                 | 18.221m<br>8.065m<br>19.194m                      | SW12           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW15                                   | E 388413.756<br>N 396196.073 | 65.232m<br>D400     | S17<br>S1.006<br>S16<br>S1.007        | 62.600m<br>62.450m<br>62.600m<br>62.450m            | 62.750m<br>62.750m<br>62.750m<br>62.675m            | Ø150 VC<br>Ø300 VC<br>Ø150 VC<br>Ø225 VC            | 1:2<br>1:248<br>1:5<br>1:85             | 5.236m<br>6.195m<br>11.605m<br>4.256m             | 4200           | 1,500 DIA PCC 600X600 ACCESS<br>FITTED WITH HYDRO-BRAKE.<br>FLOW RESTRICTED TO 11L/S<br>DESIGN HEAD 2.470M<br>'SHE-Ø131-1100-2470-1100' |  |
| SW16                                   | E 388452.530<br>N 396174.408 | 65.692m<br>D400     | S3.002<br>S37<br>S3.003               | 63.320m<br>64.496m<br>63.320m                       | 63.620m<br>64.596m<br>63.620m                       | Ø300 VC<br>Ø100 PVC<br>Ø300 VC                      | 1:200<br>1:14<br>1:177                  | 17.985m<br>4.854m<br>10.613m                      | SW17           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW17                                   | E 388443.174<br>N 396179.418 | 65.757m<br>D400     | S12<br>S11<br>S13<br>S3.003<br>S3.004 | 64.913m<br>64.655m<br>63.410m<br>63.260m<br>63.260m | 65.138m<br>64.805m<br>63.560m<br>63.560m<br>63.560m | Ø225 VC<br>Ø150 VC<br>Ø150 VC<br>Ø300 VC<br>Ø300 VC | 1:159<br>1:100<br>1:2<br>1:177<br>1:186 | 13.824m<br>1.414m<br>2.976m<br>10.613m<br>11.154m | SW10           | 1,500 DIA PCC 600X600 ACCESS                                                                                                            |  |
| SW18                                   | E 388405.298<br>N 396167.597 | 65.280m<br>C250     | S23<br>S25                            | 63.700m<br>63.700m                                  | 63.850m<br>63.850m                                  | Ø150 VC<br>Ø150 VC                                  | 1:7<br>1:14                             | 8.671m<br>8.065m                                  | SW13           | 450 PPIC MIN 430 ACCESS                                                                                                                 |  |
| SW19                                   | E 388413.723<br>N 396189.878 | 65.188m<br>D400     | S4.002<br>S15<br>S1.006A<br>S1.006    | 62.475m<br>63.800m<br>62.475m<br>62.475m            | 62.775m<br>63.950m<br>62.775m<br>62.775m            | Ø300 VC<br>Ø150 VC<br>Ø300 VC<br>Ø300 VC            | 1:27<br>1:9<br>1:238<br>1:248           | 10.592m<br>10.227m<br>5.957m<br>6.195m            | SW15           | 1,200 DIA PCC 600X600 ACCESS                                                                                                            |  |

| Pipe Table |           |                 |       |                    |                  |
|------------|-----------|-----------------|-------|--------------------|------------------|
| Pipe Name  | Size (mm) | Plan Length (m) | Slope | Start Invert Level | End Invert Level |
| F22        | 100       | 11.306          | 1:16  | 64.500             | 63.800           |
| F23        | 100       | 1.049           | 1:1   | 65.000             | 64.150           |
| F24        | 100       | 4.823           | 1:7   | 64.500             | 63.800           |
| F25        | 100       | 7.289           | 1:10  | 64.500             | 63.800           |
| F26        | 100       | 2.177           | 1:6   | 64.500             | 64.150           |
| F27        | 100       | 0.883           | 1:2   | 64.500             | 64.050           |
| F28        | 100       | 3.461           | 1:36  | 63.800             | 63.705           |
| F29        | 100       | 4.824           | 1:8   | 64.300             | 63.705           |
| F30        | 100       | 1.479           | 1:5   | 64.300             | 64.030           |
| F31        | 100       | 2.661           | 1:8   | 63.705             | 63.381           |
| F32        | 100       | 9.330           | 1:7   | 65.000             | 63.750           |
| F33        | 100       | 15.835          | 1:13  | 65.000             | 63.750           |
| F34        | 100       | 15.695          | 1:13  | 65.000             | 63.750           |
| F35        | 100       | 2.477           | 1:6   | 63.750             | 63.308           |
| F36        | 100       | 8.423           | 1:23  | 65.000             | 64.634           |
| F37        | 100       | 2.468           | 1:15  | 63.739             | 63.572           |
| F38        | 100       | 0.940           | 1:91  | 64.739             | 64.729           |
| F39        | 100       | 0.880           | 1:81  | 64.739             | 64.728           |
| F40        | 100       | 11.880          | 1:8   | 65.000             | 63.550           |
| F41        | 100       | 8.678           | 1:35  | 65.000             | 64.750           |
| F42        | 100       | 5.728           | 1:22  | 64.500             | 64.240           |
| F43        | 100       | 21.980          | 1:50  | 65.000             | 64.560           |
| F44        | 100       | 7.818           | 1:34  | 65.000             | 64.770           |
| F45        | 100       | 1.432           | 1:4   | 65.000             | 64.600           |

| Pipe Table |           |                 |       |                    |                  |
|------------|-----------|-----------------|-------|--------------------|------------------|
| Pipe Name  | Size (mm) | Plan Length (m) | Slope | Start Invert Level | End Invert Level |
| F1         | 100       | 2.113           | 1:5   | 65.000             | 64.560           |
| F1.000     | 100       | 7.461           | 1:11  | 64.560             | 63.850           |
| F1.001     | 150       | 15.617          | 1:74  | 63.850             | 63.640           |
| F1.002     | 150       | 45.554          | 1:132 | 63.590             | 63.245           |
| F1.004     | 150       | 15.924          | 1:139 | 63.245             | 63.130           |
| F1.005     | 150       | 7.560           | 1:14  | 60.675             | 60.125           |
| F2         | 100       | 11.312          | 1:26  | 65.000             | 64.560           |
| F2.000     | 100       | 9.728           | 1:16  | 64.390             | 63.800           |
| F2.001     | 100       | 14.154          | 1:57  | 63.800             | 63.550           |
| F2.002     | 150       | 20.929          | 1:82  | 63.500             | 63.245           |
| F3         | 100       | 11.996          | 1:27  | 65.000             | 64.560           |
| F4         | 100       | 4.452           | 1:10  | 65.000             | 64.560           |
| F5         | 100       | 17.229          | 1:39  | 65.000             | 64.560           |
| F6         | 100       | 9.636           | 1:22  | 65.000             | 64.560           |
| F7         | 100       | 4.407           | 1:4   | 65.000             | 63.850           |
| F8         | 100       | 4.226           | 1:4   | 65.000             | 63.850           |
| F9         | 100       | 10.047          | 1:9   | 65.000             | 63.850           |
| F10        | 100       | 10.339          | 1:9   | 65.000             | 63.850           |
| F11        | 100       | 3.849           | 1:15  | 65.000             | 64.750           |
| F12        | 100       | 1.178           | 1:7   | 65.000             | 64.840           |
| F13        | 100       | 1.194           | 1:5   | 65.000             | 64.750           |
| F14        | 100       | 1.614           | 1:6   | 65.000             | 64.750           |
| F15        | 100       | 0.858           | 1:1   | 65.000             | 63.775           |
| F16        | 100       | 1.897           | 1:2   | 64.750             | 63.768           |
| F19        | 100       | 6.761           | 1:11  | 65.000             | 64.390           |
| F20        | 100       | 3.761           | 1:75  | 63.850             | 63.800           |
| F21        | 100       | 10.247          | 1:7   | 65.000             | 63.5             |