

Storm South (SS)

| Link ID  | Length (m) | Slope (1:X) | Dia (mm) | Link Type | US CL (m) | US IL (m) | US Depth (m) | DS CL (m) | DS IL (m) | DS Depth (m) | US Node ID | Dia (mm) | Width (mm) | Node Type | MH Type   | DS Node ID | Dia (mm) | Width (mm) | Node Type | MH Type   |
|----------|------------|-------------|----------|-----------|-----------|-----------|--------------|-----------|-----------|--------------|------------|----------|------------|-----------|-----------|------------|----------|------------|-----------|-----------|
| PN1.000  | 4.850      | 99.0        | 150      | PH1       | 18.783    | 17.250    | 1.383        | 18.705    | 17.201    | 1.354        | 1          | 600      |            | Manhole   | Adaptable | 2          | 1200     |            | Manhole   | Adaptable |
| PN1.001  | 45.674     | 169.8       | 225      | PH1       | 18.705    | 17.126    | 1.354        | 18.286    | 16.857    | 1.204        | 2          | 1200     |            | Manhole   | Adaptable | 3          | 1200     |            | Manhole   | Adaptable |
| PN2.000  | 4.691      | 14.8        | 100      | PH1       | 18.416    | 17.300    | 1.016        | 18.286    | 16.982    | 1.204        | 3A         | 600      |            | Manhole   | Adaptable | 3          | 1200     |            | Manhole   | Adaptable |
| PN3.002  | 25.430     | 64.9        | 225      | PH1       | 18.286    | 16.857    | 1.204        | 18.032    | 16.465    | 1.342        | 3          | 1200     |            | Manhole   | Adaptable | 5          | 1200     |            | Manhole   | Adaptable |
| PN3.000  | 6.116      | 13.3        | 150      | PH1       | 18.220    | 17.000    | 1.070        | 18.032    | 16.540    | 1.342        | 4          | 1200     |            | Manhole   | Adaptable | 5          | 1200     |            | Manhole   | Adaptable |
| PN3.003  | 38.915     | 244.7       | 300      | PH1       | 18.032    | 16.390    | 1.342        | 17.794    | 16.231    | 1.263        | 5          | 1200     |            | Manhole   | Adaptable | 7          | 1200     |            | Manhole   | Adaptable |
| PN4.000  | 12.296     | 127.3       | 225      | PH1       | 17.985    | 16.403    | 1.357        | 17.794    | 16.306    | 1.263        | 6          | 600      |            | Manhole   | Adaptable | 7          | 1200     |            | Manhole   | Adaptable |
| PN3.004  | 26.360     | 243.1       | 300      | PH1       | 17.794    | 16.231    | 1.263        | 17.581    | 16.123    | 1.631        | 7          | 1200     |            | Manhole   | Adaptable | 9          | 1200     |            | Manhole   | Adaptable |
| PN5.000  | 4.699      | 5.1         | 150      | PH1       | 18.212    | 17.200    | 0.862        | 18.054    | 16.273    | 1.631        | 8          | 600      |            | Manhole   | Adaptable | 9          | 1200     |            | Manhole   | Adaptable |
| PN3.005  | 21.770     | 244.6       | 300      | PH1       | 18.054    | 16.123    | 1.631        | 18.203    | 16.034    | 1.869        | 9          | 1200     |            | Manhole   | Adaptable | 11         | 1200     |            | Manhole   | Adaptable |
| PN6.000  | 7.050      | 8.1         | 150      | PH1       | 18.376    | 17.050    | 1.176        | 18.203    | 16.184    | 1.869        | 10         | 600      |            | Manhole   | Adaptable | 11         | 1200     |            | Manhole   | Adaptable |
| PN1.006  | 18.465     | 243.0       | 300      | PH1       | 18.203    | 16.034    | 1.869        | 18.062    | 15.958    | 1.804        | 11         | 1200     |            | Manhole   | Adaptable | 13         | 1200     |            | Manhole   | Adaptable |
| PN7.000  | 4.783      | 3.6         | 150      | PH1       | 18.220    | 17.450    | 0.620        | 18.062    | 16.108    | 1.804        | 12         | 600      |            | Manhole   | Adaptable | 13         | 1200     |            | Manhole   | Adaptable |
| PN1.007  | 5.536      | 240.7       | 300      | PH1       | 18.062    | 15.958    | 1.804        | 17.995    | 15.935    | 1.760        | 13         | 1200     |            | Manhole   | Adaptable | 14         | 1200     |            | Manhole   | Adaptable |
| PN3.008  | 5.499      | 239.1       | 300      | PH1       | 17.995    | 15.935    | 1.760        | 17.935    | 15.912    | 1.723        | 14         | 1200     |            | Manhole   | Adaptable | 16         | 1200     |            | Manhole   | Adaptable |
| PN8.000  | 4.342      | 5.5         | 150      | PH1       | 18.104    | 16.850    | 1.104        | 17.935    | 16.062    | 1.723        | 15         | 600      |            | Manhole   | Adaptable | 16         | 1200     |            | Manhole   | Adaptable |
| PN1.009  | 29.749     | 107.2       | 300      | PH1       | 17.935    | 15.912    | 1.723        | 17.636    | 15.635    | 1.701        | 16         | 1200     |            | Manhole   | Adaptable | 22         | 1350     |            | Manhole   | Adaptable |
| PN9.000  | 13.650     | 58.6        | 150      | PH1       | 17.589    | 16.200    | 1.239        | 17.317    | 15.967    | 1.200        | 17         | 600      |            | Manhole   | Adaptable | 19         | 1200     |            | Manhole   | Adaptable |
| PN3.000  | 8.702      | 65.4        | 150      | PH1       | 17.398    | 16.100    | 1.148        | 17.317    | 15.967    | 1.200        | 18         | 600      |            | Manhole   | Adaptable | 19         | 1200     |            | Manhole   | Adaptable |
| PN9.001  | 23.388     | 169.5       | 225      | PH1       | 17.317    | 15.893    | 1.200        | 17.561    | 15.754    | 1.582        | 19         | 1200     |            | Manhole   | Adaptable | 20         | 1200     |            | Manhole   | Adaptable |
| PN11.000 | 6.399      | 39.9        | 150      | PH1       | 17.646    | 16.150    | 1.346        | 17.561    | 15.829    | 1.582        | 21A        | 600      |            | Manhole   | Adaptable | 20         | 1200     |            | Manhole   | Adaptable |
| PN9.002  | 7.321      | 166.4       | 300      | PH1       | 17.561    | 15.679    | 1.582        | 17.636    | 15.635    | 1.701        | 20         | 1200     |            | Manhole   | Adaptable | 22         | 1350     |            | Manhole   | Adaptable |
| PN12.000 | 5.605      | 5.0         | 150      | PH1       | 17.771    | 16.900    | 0.721        | 17.636    | 15.785    | 1.701        | 21         | 600      |            | Manhole   | Adaptable | 22         | 1350     |            | Manhole   | Adaptable |
| PN3.010  | 28.649     | 321.9       | 375      | PH1       | 17.636    | 15.560    | 1.701        | 17.133    | 15.473    | 1.287        | 22         | 1350     |            | Manhole   | Adaptable | 23         | 1350     |            | Manhole   | Adaptable |
| PN3.011  | 17.427     | 47.0        | 375      | PH1       | 17.133    | 15.473    | 1.287        | 16.997    | 15.100    | 1.522        | 23         | 1350     |            | Manhole   | Adaptable | 24         | ??       |            | Junction  | Adaptable |
| PN3.012  | 1.000      | 0.0         | 375      | PH1       | 16.997    | 15.000    | 1.622        | 16.997    | 15.000    | 1.622        | 24         | ??       |            | Junction  | Adaptable | 63         | ??       |            | Junction  | Adaptable |
| PN13.000 | 9.140      | 32.3        | 225      | PH1       | 17.923    | 16.550    | 1.148        | 17.692    | 16.267    | 1.200        | 25         | 1200     |            | Manhole   | Adaptable | 27         | 1200     |            | Manhole   | Adaptable |
| PN14.000 | 7.160      | 66.3        | 150      | PH1       | 17.760    | 16.450    | 1.160        | 17.692    | 16.342    | 1.200        | 26         | 600      |            | Manhole   | Adaptable | 27         | 1200     |            | Manhole   | Adaptable |
| PN13.001 | 28.348     | 167.7       | 300      | PH1       | 17.692    | 16.192    | 1.200        | 17.975    | 16.023    | 1.652        | 27         | 1200     |            | Manhole   | Adaptable | 31         | 1200     |            | Manhole   | Adaptable |
| PN15.000 | 6.909      | 67.1        | 150      | PH1       | 17.714    | 16.425    | 1.139        | 17.672    | 16.322    | 1.200        | 28         | 600      |            | Manhole   | Adaptable | 30         | 1200     |            | Manhole   | Adaptable |
| PN16.000 | 5.233      | 9.9         | 150      | PH1       | 17.785    | 16.850    | 0.785        | 17.672    | 16.322    | 1.200        | 29         | 600      |            | Manhole   | Adaptable | 30         | 1200     |            | Manhole   | Adaptable |
| PN15.001 | 14.990     | 100.6       | 225      | PH1       | 17.672    | 16.247    | 1.200        | 17.975    | 16.098    | 1.652        | 30         | 1200     |            | Manhole   | Adaptable | 31         | 1200     |            | Manhole   | Adaptable |
| PN13.002 | 10.371     | 241.2       | 300      | PH1       | 17.975    | 16.023    | 1.652        | 18.077    | 15.980    | 1.797        | 31         | 1200     |            | Manhole   | Adaptable | 35         | 1200     |            | Manhole   | Adaptable |
| PN17.000 | 8.692      | 44.4        | 150      | PH1       | 18.380    | 16.950    | 1.280        | 18.292    | 16.754    | 1.388        | 32         | 600      |            | Manhole   | Adaptable | 33         | 1200     |            | Manhole   | Adaptable |
| PN17.001 | 7.746      | 12.4        | 150      | PH1       | 18.392    | 16.754    | 1.388        | 18.077    | 16.130    | 1.797        | 33         | 1200     |            | Manhole   | Adaptable | 35         | 1200     |            | Manhole   | Adaptable |
| PN18.000 | 6.119      | 6.7         | 150      | PH1       | 18.168    | 17.050    | 0.968        | 18.077    | 16.130    | 1.797        | 34         | 600      |            | Manhole   | Adaptable | 35         | 1200     |            | Manhole   | Adaptable |
| PN13.003 | 26.418     | 244.6       | 300      | PH1       | 18.077    | 15.980    | 1.797        | 17.945    | 15.872    | 1.773        | 35         | 1200     |            | Manhole   | Adaptable | 37         | 1200     |            | Manhole   | Adaptable |
| PN19.000 | 7.798      | 13.2        | 150      | PH1       | 18.193    | 16.613    | 1.430        | 17.945    | 16.022    | 1.773        | 36         | 600      |            | Manhole   | Adaptable | 37         | 1200     |            | Manhole   | Adaptable |
| PN13.004 | 17.263     | 243.1       | 300      | PH1       | 17.945    | 15.872    | 1.773        | 17.763    | 15.801    | 1.662        | 37         | 1200     |            | Manhole   | Adaptable | 39         | 1350     |            | Manhole   | Adaptable |
| PN20.000 | 6.261      | 9.6         | 150      | PH1       | 17.905    | 16.600    | 1.155        | 17.763    | 15.951    | 1.662        | 38         | 600      |            | Manhole   | Adaptable | 39         | 1350     |            | Manhole   | Adaptable |
| PN13.005 | 11.191     | 319.7       | 375      | PH1       | 17.763    | 15.726    | 1.662        | 17.651    | 15.691    | 1.585        | 39         | 1350     |            | Manhole   | Adaptable | 41         | 1350     |            | Manhole   | Adaptable |
| PN21.000 | 6.510      | 13.5        | 150      | PH1       | 17.758    | 16.400    | 1.208        | 17.651    | 15.916    | 1.585        | 40         | 600      |            | Manhole   | Adaptable | 41         | 1350     |            | Manhole   | Adaptable |
| PN13.006 | 11.079     | 316.6       | 375      | PH1       | 17.651    | 15.691    | 1.585        | 17.526    | 15.656    | 1.495        | 41         | 1350     |            | Manhole   | Adaptable | 43         | 1350     |            | Manhole   | Adaptable |
| PN22.000 | 12.458     | 12.9        | 150      | PH1       | 17.795    | 16.850    | 0.795        | 17.526    | 15.881    | 1.495        | 42         | 600      |            | Manhole   | Adaptable | 43         | 1350     |            | Manhole   | Adaptable |
| PN13.007 | 20.743     | 160.8       | 375      | PH1       | 17.526    | 15.656    | 1.495        | 17.286    | 15.527    | 1.384        | 43         | 1350     |            | Manhole   | Adaptable | 46         | 1350     |            | Manhole   | Adaptable |
| PN13.008 | 7.997      | 7.0         | 150      | PH1       | 17.516    | 16.900    | 0.466        | 17.286    | 15.752    | 1.384        | 44         | 600      |            | Manhole   | Adaptable | 46         | 1350     |            | Manhole   | Adaptable |
| PN24.000 | 4.744      | 98.8        | 150      | PH1       | 17.388    | 15.800    | 1.438        | 17.286    | 15.752    | 1.384        | 45         | 600      |            | Manhole   | Adaptable | 46         | 1350     |            | Manhole   | Adaptable |
| PN13.008 | 8.626      | 320.0       | 375      | PH1       | 17.388    | 15.527    | 1.384        | 17.200    | 15.500    | 1.325        | 46         | 1350     |            | Manhole   | Adaptable | 48         | ??       |            | Junction  | Adaptable |
| PN25.000 | 4.819      | 12.8        | 150      | PH1       | 17.297    | 16.100    | 1.047        | 17.200    | 15.725    | 1.325        | 47         | 600      |            | Manhole   | Adaptable | 48         | ??       |            | Junction  | Adaptable |
| PN13.009 | 10.601     | 320.0       | 375      | PH1       | 17.200    | 15.500    | 1.325        | 17.097    | 15.467    | 1.255        | 48         | ??       |            | Junction  | Adaptable | 51         | 1350     |            | Manhole   | Adaptable |
| PN26.000 | 5.646      | 11.1        | 150      | PH1       | 17.249    | 16.200    | 0.899        | 17.097    | 15.692    | 1.255        | 49         | 600      |            | Manhole   | Adaptable | 51         | 1350     |            | Manhole   | Adaptable |
| PN27.000 | 4.566      | 22.0        | 150      | PH1       | 17.192    | 15.900    | 1.142        | 17.097    | 15.692    | 1.255        | 50         | 600      |            | Manhole   | Adaptable | 51         | 1350     |            | Manhole   | Adaptable |
| PN13.010 | 17.038     | 162.3       | 375      | PH1       | 17.097    | 15.467    | 1.255        | 16.937    | 15.362    | 1.200        | 51         | 1350     |            | Manhole   | Adaptable | 54         | 1350     |            | Manhole   | Adaptable |
| PN28.000 | 20.031     | 55.2        | 150      | PH1       | 16.997    | 15.950    | 0.897        | 16.937    | 15.587    | 1.200        | 52         | 600      |            | Manhole   | Adaptable | 54         | 1350     |            | Manhole   | Adaptable |
| PN29.000 | 7.920      | 39.2        | 150      | PH1       | 17.081    | 16.000    | 0.951        | 16.937    | 15.587    | 1.200        | 53         | 600      |            | Manhole   | Adaptable | 54         | 1350     |            | Manhole   | Adaptable |
| PN13.011 | 5.768      | 320.0       | 375      | PH1       | 16.937    | 15.362    | 1.200        | 16.865    | 15.344    | 1.146        | 54         | 1350     |            | Manhole   | Adaptable | 56         | 1350     |            | Manhole   | Adaptable |
| PN30.000 | 4.586      | 7.3         | 150      | PH1       | 16.999    | 16.200    | 0.640        | 16.865    | 15.569    | 1.146        | 55         | 600      |            | Manhole   | Adaptable | 56         | 1350     |            | Manhole   | Adaptable |
| PN13.012 | 21.491     | 320.8       | 375      | PH1       | 16.865    | 15.344    | 1.146        | 16.600    | 15.277    | 0.948        | 56         | 1350     |            | Manhole   | Adaptable | 58         | 1350     |            | Manhole   | Adaptable |
| PN1.000  | 11.520     | 16.5        | 150      | PH1       | 17.008    | 16.200    | 0.658        | 16.600    | 15.500    | 0.948        | 57         | 600      |            | Manhole   | Adaptable | 58         | 1350     |            | Manhole   | Adaptable |
| PN13.013 | 21.812     | 320.8       | 375      | PH1       | 16.600    | 15.277    | 0.948        | 16.956    | 15.209    | 1.372        | 58         | 1350     |            | Manhole   | Adaptable | 60         | 1350     |            | Manhole   | Adaptable |
| PN12.000 | 10.095     | 41.0        | 150      | PH1       | 17.116    | 15.695    | 1.271        | 16.956    | 15.434    | 1.372        | 59         | 1200     |            | Manhole   | Adaptable | 60         | 1350     |            | Manhole   | Adaptable |
| PN13.014 | 17.216     | 320.0       | 375      | PH1       | 16.956    | 15.209    | 1.372        | 17.043    | 15.155    | 1.513        | 60         | 1350     |            | Manhole   | Adaptable | 61         | 1350     |            | Manhole   | Adaptable |
| PN13.015 | 12.867     | 320.0       | 375      | PH1       | 17.043    | 15.155    | 1.513        | 17.000    | 15.115    | 1.510        | 61         | 1350     |            | Manhole   | Adaptable | 62         | ??       |            | Junction  | Adaptable |
| PN13.016 | 1.000      | 0.0         | 375      | PH1       | 17.000    | 15.000    | 1.625        | 16.997    | 15.000    | 1.622        | 62         | ??       |            | Junction  | Adaptable | 63         | ??       |            | Junction  | Adaptable |
| PN1.013  | 1.000      | 0.0         | 450      | PH1       | 16.997    | 15.000    | 1.547        | 16.997    | 15.000    | 1.547        | 63         | ??       |            | Junction  | Adaptable | 63_OUT     | ??       |            | Junction  | Adaptable |

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GENERAL NOTES

- Do not scale.
- Refer to all other Project Drawings.
- All sewers to comply with the requirements of the water authorities publication "Sewer Sector Guidance (SSG)" together with Southern Water's Technical Advisories.
- All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.
- Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.
- All manhole ironworks to comply with BS EN124, and be stamped with BSI K