

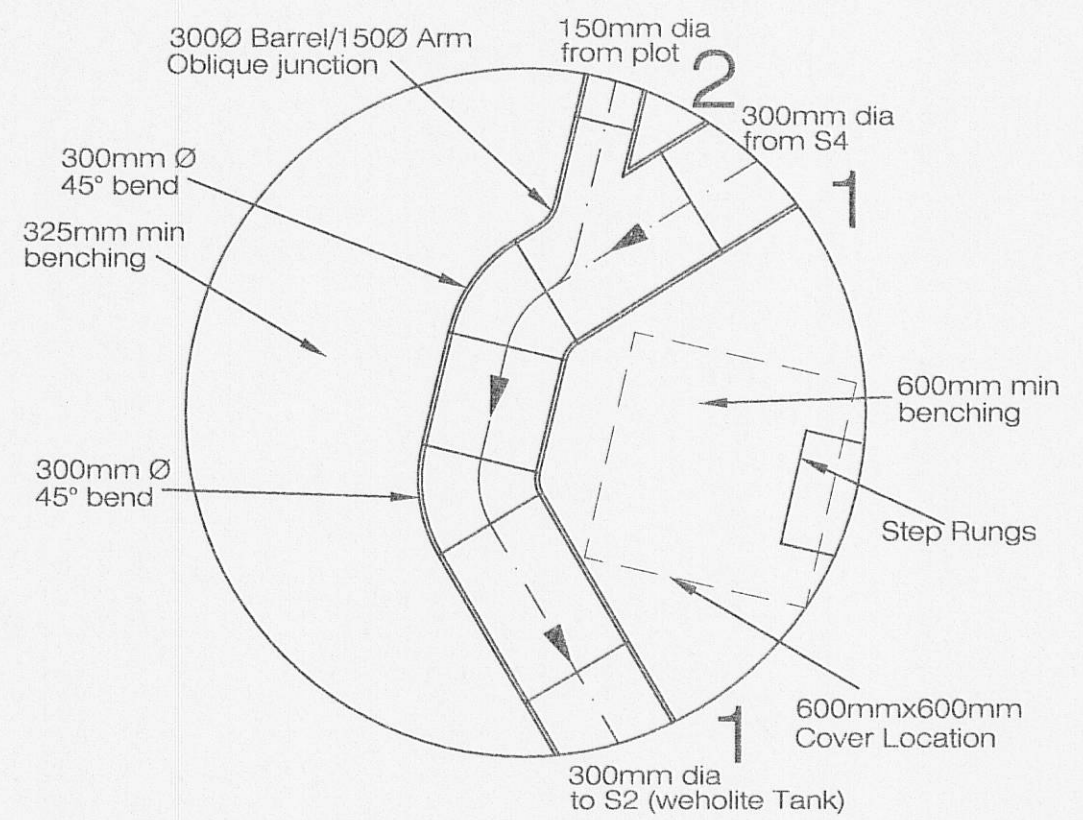
|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S1                                     |
| Coordinates                                 | 361169.631E<br>437139.620N             |
| Cover Level                                 | 111.100                                |
| Inverts                                     | 1 108.800<br>2 108.800                 |
| Pipe Diameters                              | 1 1200<br>2 300                        |
| Manhole Size                                | 2700                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 2.300                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.100                                  |

Control MH  
refer to 3891-7-1  
for details

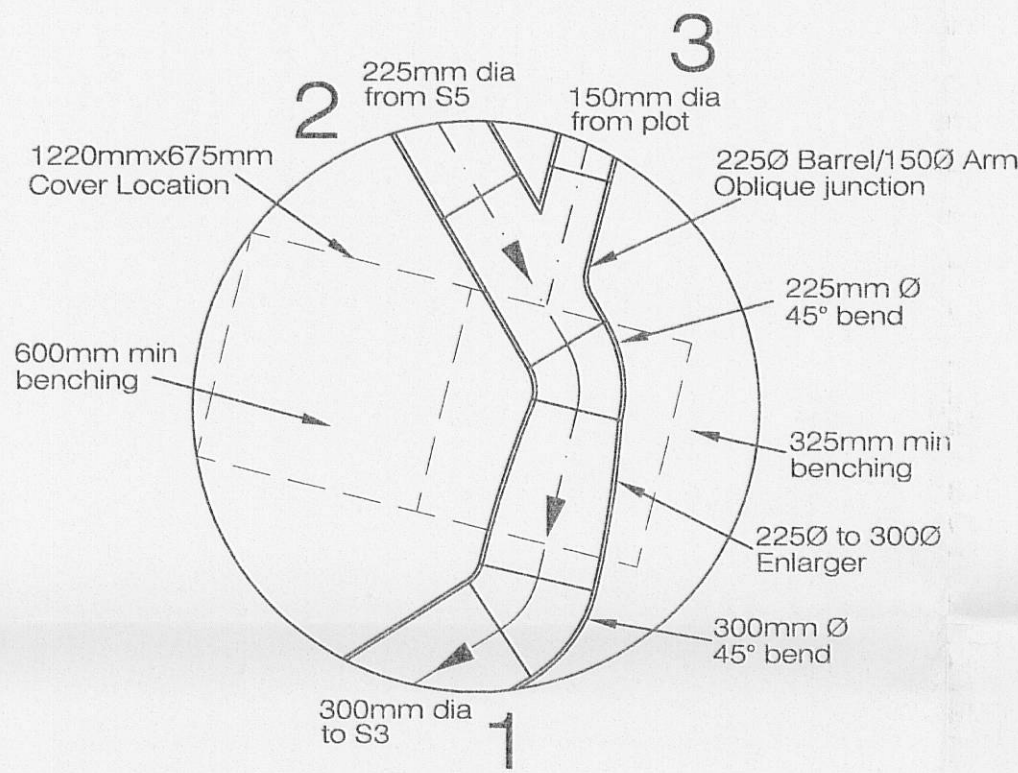
|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S2                                     |
| Coordinates                                 | 361132.701E<br>437130.842N             |
| Cover Level                                 | 111.100                                |
| Inverts                                     | 1 108.965<br>2 109.865                 |
| Pipe Diameters                              | 1 1200<br>2 300                        |
| Manhole Size                                | 2700                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 2.135                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 0.935                                  |

Weholite  
Tank  
refer to  
manufacturers  
details

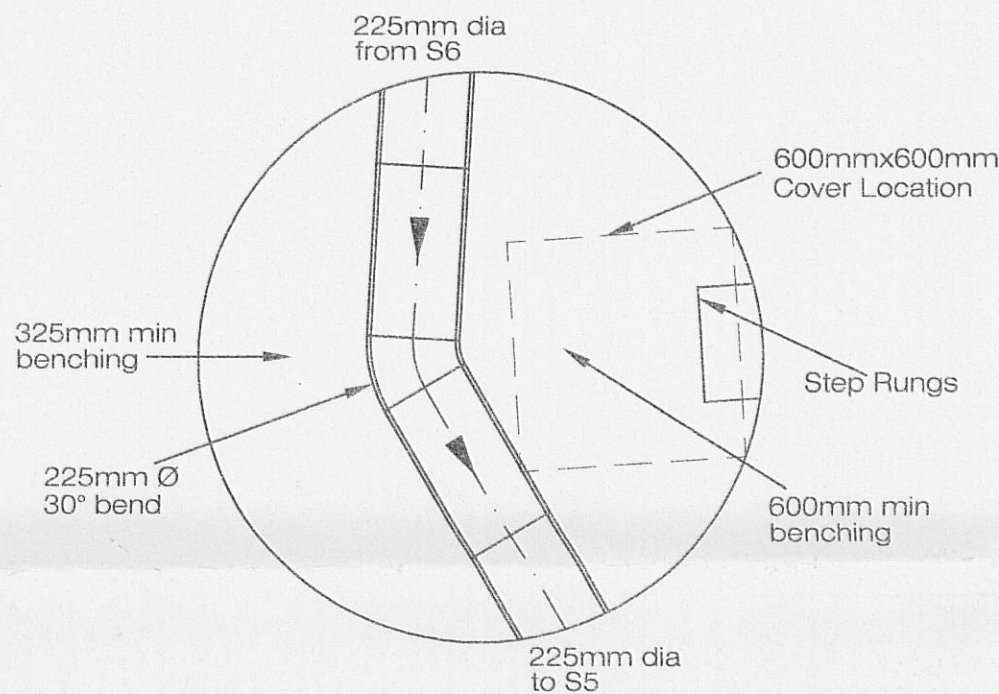
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|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S3                                     |
| Coordinates                                 | 361126.443E<br>437141.425N             |
| Cover Level                                 | 111.900                                |
| Inverts                                     | 1 110.004<br>2 110.154                 |
| Pipe Diameters                              | 1 300<br>2 150                         |
| Manhole Size                                | 1800                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 1.896                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.596                                  |



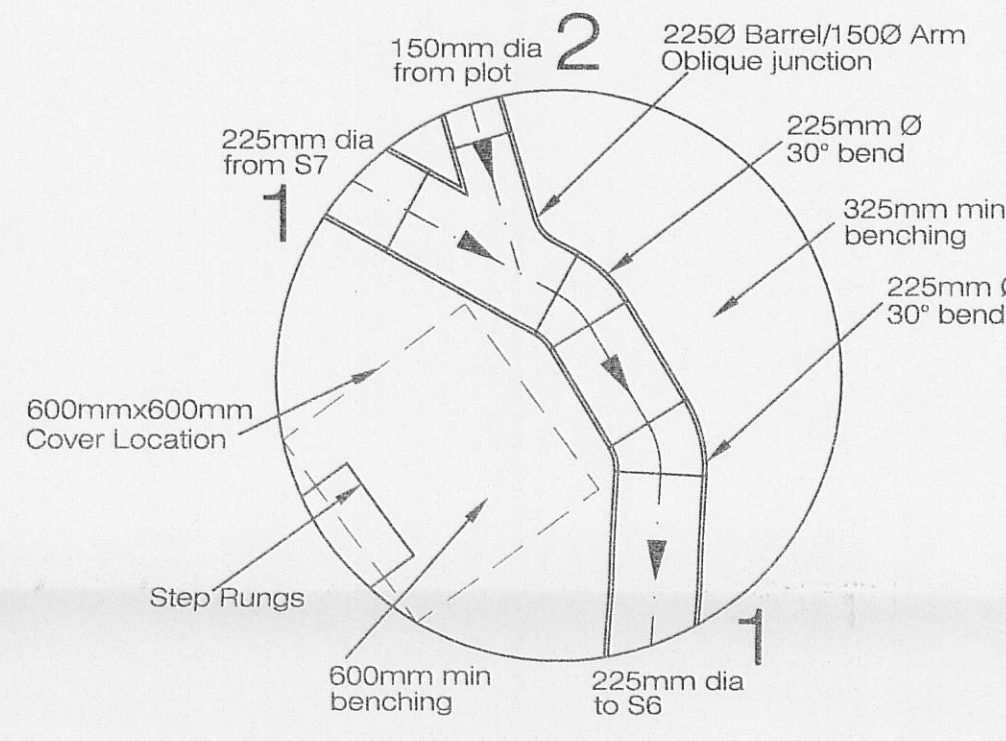
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|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S4                                     |
| Coordinates                                 | 361140.337E<br>437150.325N             |
| Cover Level                                 | 111.531                                |
| Inverts                                     | 1 110.177<br>2 110.252<br>3 110.327    |
| Pipe Diameters                              | 1 300<br>2 225<br>3 150                |
| Manhole Size                                | 1500                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | E                                      |
| MH Depth                                    | 1.354                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.054                                  |



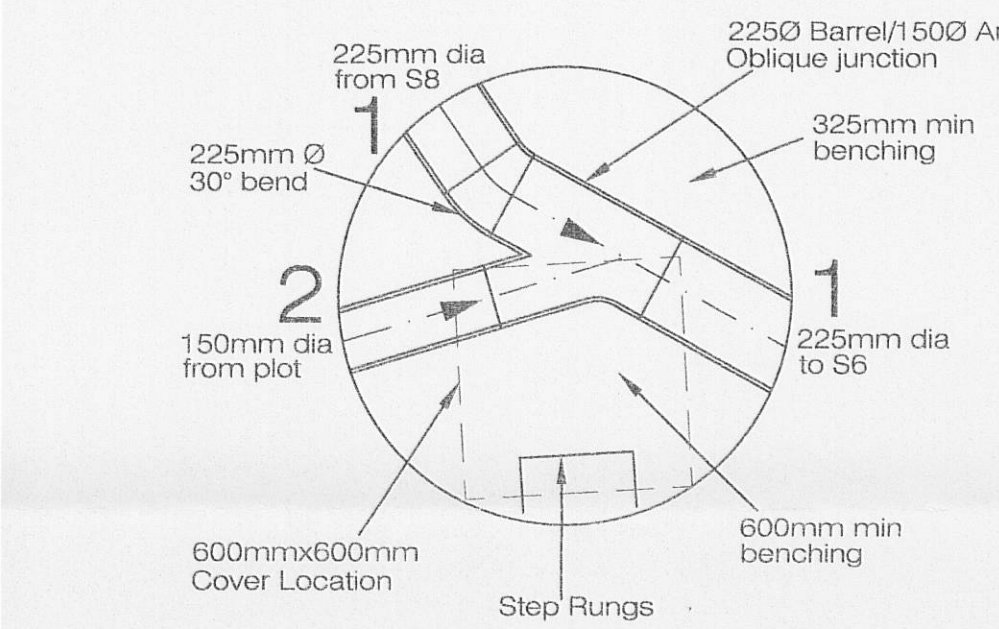
|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S5                                     |
| Coordinates                                 | 361116.928E<br>437190.075N             |
| Cover Level                                 | 114.000                                |
| Inverts                                     | 111.797                                |
| Pipe Diameters                              | 225                                    |
| Manhole Size                                | 1500                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 2.203                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.978                                  |



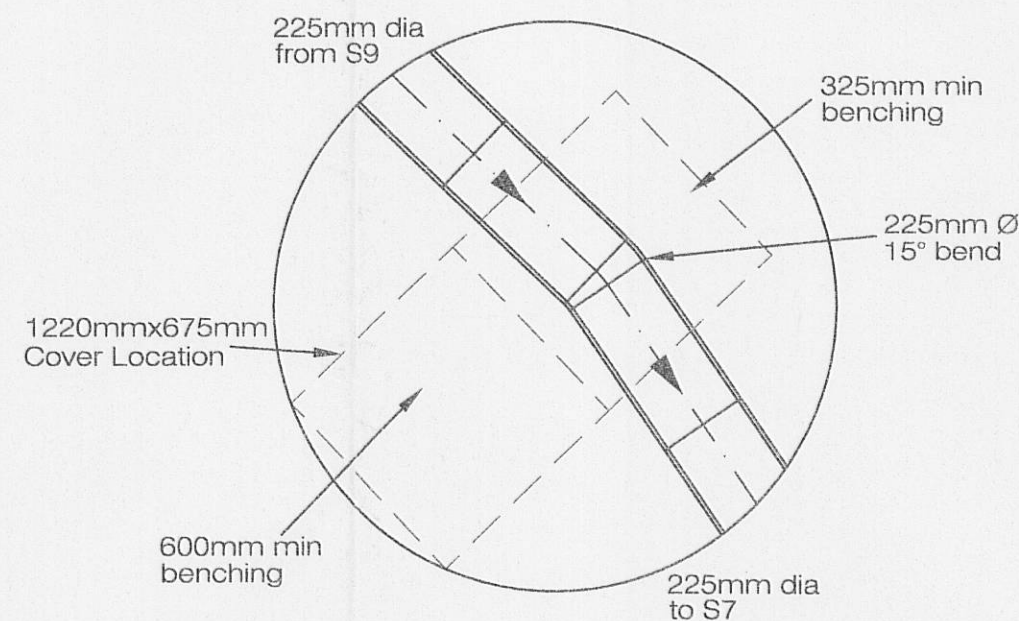
|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S6                                     |
| Coordinates                                 | 361117.642E<br>437202.952N             |
| Cover Level                                 | 114.646                                |
| Inverts                                     | 1 112.238<br>2 112.313                 |
| Pipe Diameters                              | 1 225<br>2 150                         |
| Manhole Size                                | 1500                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 2.408                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 2.183                                  |



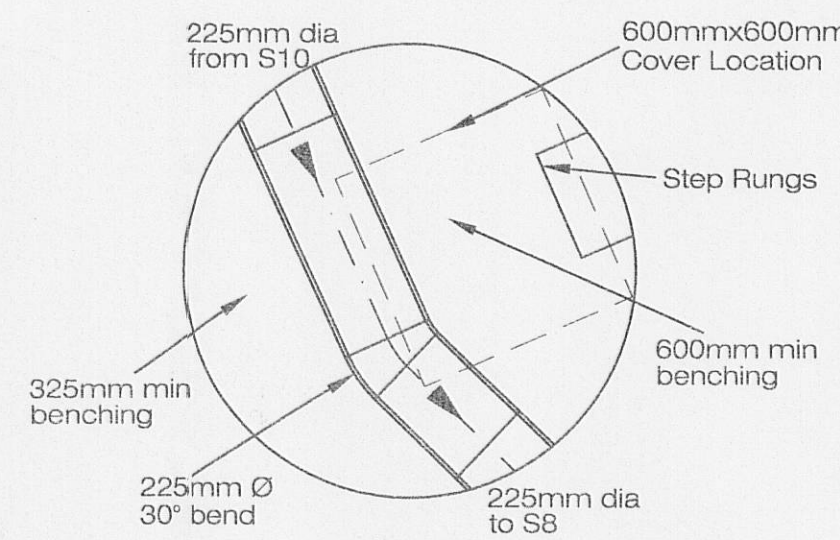
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|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S7                                     |
| Coordinates                                 | 361105.266E<br>437209.691N             |
| Cover Level                                 | 114.792                                |
| Inverts                                     | 1 112.703<br>2 112.778                 |
| Pipe Diameters                              | 1 225<br>2 150                         |
| Manhole Size                                | 1200                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 2.089                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.864                                  |



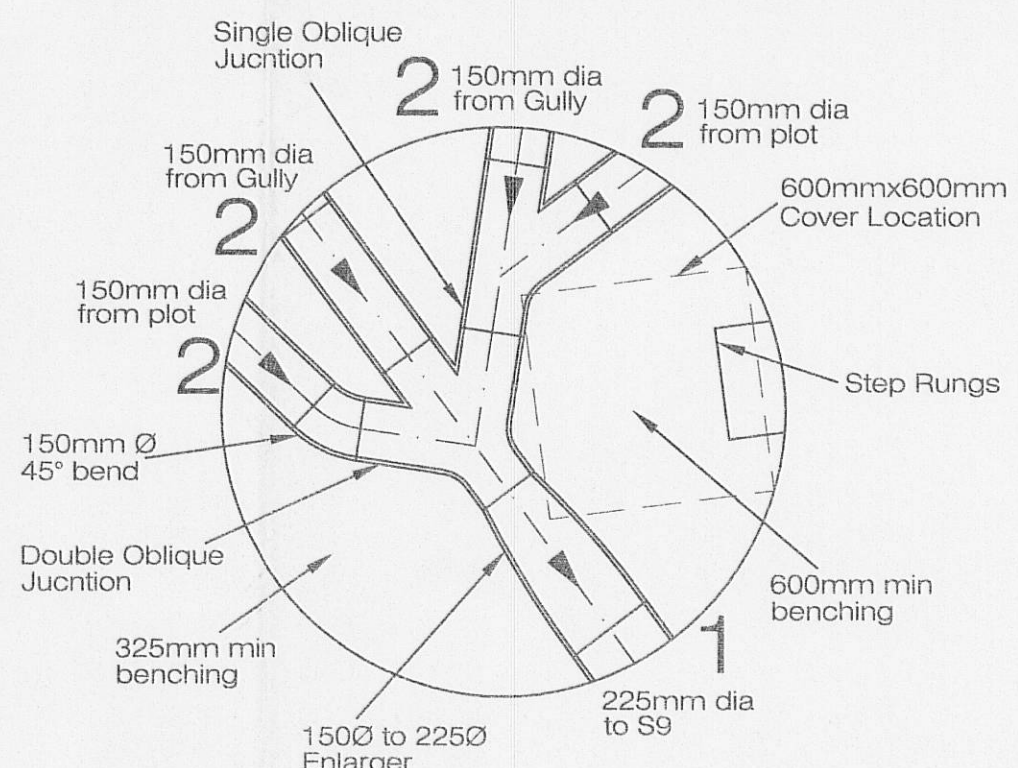
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|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S8                                     |
| Coordinates                                 | 361093.792E<br>437226.454N             |
| Cover Level                                 | 115.031                                |
| Inverts                                     | 113.350                                |
| Pipe Diameters                              | 225                                    |
| Manhole Size                                | 1500                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | E                                      |
| MH Depth                                    | 1.681                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.456                                  |



|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S9                                     |
| Coordinates                                 | 361082.079E<br>437237.672N             |
| Cover Level                                 | 115.681                                |
| Inverts                                     | 113.921                                |
| Pipe Diameters                              | 225                                    |
| Manhole Size                                | 1200                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 1.761                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.536                                  |



|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Manhole No.                                 | S10                                    |
| Coordinates                                 | 361077.405E<br>437248.040N             |
| Cover Level                                 | 116.181                                |
| Inverts                                     | 1 114.300<br>2 114.375                 |
| Pipe Diameters                              | 1 225<br>2 150                         |
| Manhole Size                                | 1500                                   |
| Cover                                       | Class D400<br>150mm depth<br>BS EN 124 |
| MH Type                                     | B                                      |
| MH Depth                                    | 1.881                                  |
| MH Depth<br>C.L. / Soffit<br>of Outlet Pipe | 1.656                                  |



#### NOTES

- All works shall be in accordance with Sewers for Adoption 6th Edition and United Utilities Standard Details and Guidelines.
- Step Rungs shall be used at 300mm Centres.
- Manholes shall be to Standard Detail STND/01/001. Ladders, Safety chains and Handrailing shall be to Standard Detail STND/01/002. Back-drops shall be to Standard Detail STND/01/003.
- Co-ordinates are to the Pipe centre-line, not the centre of Manhole.
- 150mm min concrete surround required for all adopted Manholes.
- Rocker pipes shall be provided in accordance with United Utilities Standard Details.

|                                |                                                |                                                                                                                                                                                                                                 |
|--------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| North Point                    | Project<br><b>Dilworth Lane Longridge</b>      | <b>Ironsides Farrar</b><br>Environmental Planners<br>Civil Engineers<br>Landscape Architects<br>Graphic Design<br>3 Watcley Court MANCHESTER M26 3NJ<br>Tel. 0161 703 8801 Fax. 0161 703 8279<br>manchester@ironsidesfarrar.com |
| Quantity Ass.                  | Client<br><b>Rowland Homes</b>                 |                                                                                                                                                                                                                                 |
| Drawn<br><b>A1</b>             | Title<br><b>S.W Manhole Schedules (1 of 2)</b> | Drawn<br>JCM                                                                                                                                                                                                                    |
| Checked By                     | Date<br>16.01.12                               | Scale<br>1:20                                                                                                                                                                                                                   |
| Revision                       | Revision                                       | Revision                                                                                                                                                                                                                        |
| Drawing No.<br><b>3891/6/1</b> |                                                |                                                                                                                                                                                                                                 |