|  |
| --- |
| Developer Specifications | Checklist - Sewer Reticulation Drawings |
| Developer: |  |
| Location: |  |
| Description: |  |
| Date: |  | Council Reference: |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Description** | **Developer** | **Council** | **Comments** |
| **Y** | **N** | **NA** | **Y** | **N** | **NA** |
| **1** | **General** |  |  |  |  |  |  |  |
| 1a | Cover Sheet with Locality Plan, List of Drawings and DA number | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1b | Plans prepared in A1 format at a scale of 1:1000 (A3 where appropriate) | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1c | Drawing Scale is shown on drawings as a bar scale | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1d | Scale of Detail Drawings is shown as appropriate | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1e | Schedule of Symbols | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1f | Benchmark within 100 metres of development site is shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1g | North Point shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1h | Site topography is shown via contour lines | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1i | Datum reference incl. Benchmark at A.H.D adopted by N.S.W. Dept. of Lands | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1j | Each plan to be numbered with revision no. and revision schedule and date | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1k | Road names or number | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1l | Drawings to be signed by respective Consultant / Engineer | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1m | Lettering, line work and symbols to conform to AS 1100 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1n | Sewer mains to be shown on cross sections and longitudinal sections | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 1o | Plans to show all assets relevant to the development | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Description** | **Developer** | **Council** | **Comments** |
| **Y** | **N** | **NA** | **Y** | **N** | **NA** |
| **2** | **Sewer Layout Plans** |  |  |  |  |  |  |  |
| 2a | Catchment area plan including sub-catchments and areas is submitted | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2b | Existing sewer mains, junctions, side lines and manholes are shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2c | Lot boundaries and lot numbers shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2d | Sewer main lines and manholes are numbered | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2e | Pipeline centreline chainages are shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2f | Pipeline diameters are shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2g | Dead end length to conform with guidelines | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2h | Side lines to conform with guidelines | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2i | Type and class of pipe work and fittings clearly indicated | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2j | Alignment of mains, side lines, junctions, dead ends, manholes etc. to be shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2k | Location of mains etc. in accordance with respective footway allocations for urban and rural residential to be shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2l | Location of proposed easements reserves etc. incl. downstream if required | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2m | Location of all drainage lines, water mains and other utility lines crossing the mains to be shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2n | Limit of construction to be shown including staging | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2o | Mains to be extended to the full length of the subdivision (beyond last lot) | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2p | Junction to each block slope type if main is within property, square type if main is external to property | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2q | Spot levels as necessary at the lot extremities to show that the whole of the lot can be sewered | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2r | Manhole spacing to be in accordance with maximum spacing according to main size | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 2s | Rising mains to be shown with appropriate details according to guidelines | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Description** | **Developer** | **Council** | **Comments** |
| **Y** | **N** | **NA** | **Y** | **N** | **NA** |
| **3** | **Sewer Longitudinal Sections** |  |  |  |  |  |  |  |
| 3a | Sections are drawn at scale of 1:1000 horizontal and 1:200 vertical | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3b | Levels to be shown at 20m chainage intervals, manhole locations, dead-ends for gravity mains and high and low points for rising mains | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3c | Chainages as per layout plans | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3d | RL of existing surface, design surface and pipe invert at each location of 3b above and at major variations in natural surface such as roads, gullies etc. | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3e | Design RL of all inlet and outlets at each manhole and all changes of grade | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3f | Design grades including length of each gradient between manholes | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3g | Pipe diameters and material type and class to be shown | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3h | Air valves and scour valves on rising mains at respective low and high points | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3i | Minimum cover requirements have been achieved | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3j | Location and size of existing and proposed services and utilities crossing the main complete with invert levels | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3k | Sections installed along intersecting roads for a sufficient distance to allow connection design | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 3l | Trench stops shown as required on steep grades | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| **4** | **Miscellaneous** |  |  |  |  |  |  |  |
| 4a | Design is satisfactory for future extension | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4b | Pipe sizes and design conform to current strategies for future development | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4c | Detailed engineering drawings are required for any rising main structures such as pumping stations and specialised manholes and vents proposed for construction in conjunction with sewer supply works | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4d | Sufficient capacity in downstream reticulation system to cater for development | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Description** | **Developer** | **Council** | **Comments** |
| **Y** | **N** | **NA** | **Y** | **N** | **NA** |
| 4e | Engineering plans and subdivision plans agree | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4f | Engineering conditions of consent included in design plans | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4g | Junctions to each lot to comply with the soffit requirements in accordance with AS3500 Plumbing Code of Australia, 2013 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4h | Mains designed to satisfy minimum cover requirements | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4i | Minimum pipe size is 150mm diameter | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |
| 4j | Pressure sewer designed in accordance with WSA guidelines | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |  |