Project name: Deed number:

***Add or delete items as necessary***

**Design inputs:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Project definition |  |  |  |  |
| Location of subdivision/development |  |  |  |  |
| Proposed subdivision/development information |  |  |  |  |
| Existing real property information |  |  |  |  |
| Existing Hunter Water services |  |  |  | For example: asbestos-cement main, pressure main, pressure system, sewer |
| Proposed Hunter Water services |  |  |  | Other services to be constructed for this subdivision/development |
| Easement required |  |  |  |  |
| Land transfer required |  |  |  |  |
| Existing services (other authorities) |  |  |  | For example: Dial Before You Dig |
| Proposed services (other authorities) |  |  |  |  |
| Engineering plans |  |  |  |  |
| Retention basin |  |  |  |  |
| Contour plans |  |  |  |  |
| Proposed building footprint |  |  |  | Where near existing or proposed Hunter Water asset |
| Hunter Water connection requirements |  |  |  |  |
| Proposed connection type |  |  |  |  |
| Property service (main to meter) |  |  |  |  |
| Total catchment information |  |  |  |  |
| Adjoining development |  |  |  |  |
| Permanent marks and bench marks |  |  |  |  |
| Specify datum |  |  |  |  |
| Future roadworks |  |  |  | For example: widening |
| Zoning |  |  |  |  |
| Mine subsidence area |  |  |  |  |
| Filled ground |  |  |  |  |
| Unstable ground |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Contaminated ground |  |  |  |  |
| Urban salinity |  |  |  |  |
| Boundary traps required (wastewater) |  |  |  |  |
| Flood area |  |  |  |  |
| Surcharge area |  |  |  |  |
| Landslip area |  |  |  |  |
| Previous problems |  |  |  |  |
| Adjustment/deviation required |  |  |  |  |
| Temporary pipework required |  |  |  | Must be noted on design plan |
| Asbestos-cement mains disuse in private property |  |  |  |  |
| Asbestos-cement mains disuse in public property |  |  |  |  |
| Disuse of mains, other than asbestos-cement |  |  |  |  |
| **Design inputs reviewed by: Date:** | | | | |

**Detailed design:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Compliance with safe work plan |  |  |  |  |
| Access to location |  |  |  |  |
| Negotiate entry (including easement if necessary) |  |  |  |  |
| Field check of site conditions (including date of visit) |  |  |  | Date: |
| Evidence of unauthorised interference with Hunter Water assets |  |  |  |  |
| Locate existing fittings and services |  |  |  |  |
| Locate origin (wastewater) |  |  |  |  |
| Peg location of main and tie into boundaries |  |  |  |  |
| Survey proposed route |  |  |  |  |
| Review of heritage items |  |  |  |  |
| Review of Environmental Factors |  |  |  |  |
| Environmental Management Plan |  |  |  |  |
| Flow schedule calculations (wastewater) |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Critical main risk assessment |  |  |  |  |
| Geotechnical assessment |  |  |  |  |
| Assess alternate options |  |  |  |  |
| Finalise proposed route |  |  |  |  |
| Certification of special design |  |  |  |  |
| Soffit requirements |  |  |  |  |
| Self-cleansing grades |  |  |  |  |
| Compaction test requirements |  |  |  |  |
| Prepare plans to standards and special design |  |  |  |  |
| **Detailed design reviewed by: Date:** | | | | |

**Design outputs:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Plan |  |  |  |  |
| Temporary pipework plan |  |  |  |  |
| Environmental Management Plan |  |  |  |  |
| Review of Environmental Factors |  |  |  |  |
| Entry agreement |  |  |  |  |
| Land/easement specifications |  |  |  |  |
| Construction specifications   * Upfront cut-ins * Reduced pressure zone device assembly |  |  |  | Must be noted on design plan |
| Property service (main to meter) |  |  |  | Must be noted on design plan |
| Construction notes/tender plan/tender evaluation report |  |  |  |  |
| Construction inspection and test plans |  |  |  |  |
| Construction checklists |  |  |  |  |
| Compaction test requirements |  |  |  |  |
| Flow schedule |  |  |  |  |
| Non-standard design or non-code adherence |  |  |  | Written request for non-code proposal with design package required |
| **Design outputs reviewed by: Date:** | | | | |

**Accredited Design Consultant verification:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **Yes** | **No** | **N/A** | **Notes** |
| Review design inputs/outputs |  |  |  |  |
| Review alternative options |  |  |  |  |
| Review required engineers’ documents |  |  |  |  |
| Review other documentation |  |  |  |  |
| Alternative calculations |  |  |  |  |
| Compare with other projects |  |  |  |  |
| Environmental Management Plan |  |  |  |  |
| Review of Environmental Factors |  |  |  |  |
| Environmental audit for land transfer |  |  |  |  |

I certify by the submission of this Design Checklist the design has been prepared in accordance with WSAA Water Supply and Sewerage Codes of Australia (Hunter Water editions, as amended).

Accredited Design Consultant (business name): Name:

Signature:

Date: