|  |  |  |  |
| --- | --- | --- | --- |
| **Table B.22 Construction assessment checklist** | | | |
| **General information** | | | |
| Site ID |  |  |  |
| Asset ID(s) (note the checklist can be used for a single component or a complete system) |  |  |  |
| Site location(s) and co-ordinates |  | Drawing reference(s) |  |
| Contractor/developer |  | Specification reference(s) |  |
| Inspection dates |  |  |  |
| Items/parts of system inspected |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Check** | **Details** | **Y** | **N** | **Details** | **Y** | **N** | **Details** | **Y** | **N** |
| **General** | | | | | | | | | |
| Appropriate erosion and sediment control strategy implemented (including protection of any infiltration or permeable surfaces, permeable sub-base and stabilisation following earthworks)? |  |  |  |  |  |  |  |  |  |
| Location, layout and plan area as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Critical root zones of nominated trees protected? |  |  |  |  |  |  |  |  |  |
| Any identified ecological features adequately protected? |  |  |  |  |  |  |  |  |  |
| **Earthworks** | | | | | | | | | |
| Levels and gradients as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Side slopes and benches as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Provision of subsoil drainage as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Topsoil depths as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Formation levels as per approved drawings |  |  |  |  |  |  |  |  |  |
| Formation level soils as per design assumptions (eg CBR value)? |  |  |  |  |  |  |  |  |  |
| Side slopes of temporary excavations for tanks as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Utilities access covers and street furniture details acceptable? (eg correct detailing of block paving around covers, not impeding flow in swales etc) |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hydraulic properties** | | | | | | | | | |
| Water levels as per approved drawings? |  |  |  |  |  |  |  |  |  |
| Flow controls as per approved design? |  |  |  |  |  |  |  |  |  |
| **Structural components** | | | | | | | | | |
| Check dams/weirs/overflows as per design? |  |  |  |  |  |  |  |  |  |
| Service or other crossings as per design? |  |  |  |  |  |  |  |  |  |
| Pipe connections as per design? |  |  |  |  |  |  |  |  |  |
| Inlets – as per design, appropriate installation (including concrete and reinforcement works, erosion protection, level spreaders, buffer strips, kerbing and drops) |  |  |  |  |  |  |  |  |  |
| Outlets – as per design, appropriate installation (including concrete and reinforcement works, erosion protection) |  |  |  |  |  |  |  |  |  |
| Any required geotextile/geomembrane test certificates provided and in accordance with approved drawings and/or specification? |  |  |  |  |  |  |  |  |  |
| **Materials** | | | | | | | | | |
| Topsoil meets approved specification (tested and ameliorated if required, certificates verifying source and content)? |  |  |  |  |  |  |  |  |  |
| Planting implemented as per approved drawings and landscape schedules? |  |  |  |  |  |  |  |  |  |
| Geocellular storage units as per approved design drawings and specification? |  |  |  |  |  |  |  |  |  |
| Permeable sub-base as per approved drawings and specification? |  |  |  |  |  |  |  |  |  |
| Root zone materials, filter sand etc as per approved drawing and specification? |  |  |  |  |  |  |  |  |  |
| Perforated pipes as per approved drawings and specification? |  |  |  |  |  |  |  |  |  |
| **Final inspection** | | | | | | | | | |
| Confirm inlet and outlet levels |  |  |  |  |  |  |  |  |  |
| Confirm structural components |  |  |  |  |  |  |  |  |  |
| Confirm slopes |  |  |  |  |  |  |  |  |  |
| Confirm correct planting/turfing established |  |  |  |  |  |  |  |  |  |
| Confirm no uneven settling of soil, channelling, unwanted ponding or erosion of bed or side slopes |  |  |  |  |  |  |  |  |  |
| Confirm no evidence of construction sediment or unexpectedly rapid build-up of sediment |  |  |  |  |  |  |  |  |  |
| Confirm that agreed access for maintenance is clear |  |  |  |  |  |  |  |  |  |
| **Further information appended** | | | | | | | | | |
| Photographs |  |  |  |  |  |  |  |  |  |
| Test certificates |  |  |  |  |  |  |  |  |  |
| Other (details) |  |  |  |  |  |  |  |  |  |