Proposed Validation list to be used by LPAS, prior to consultation

| Item  | Description | APPLICANT TO COMPLETE Document Reference and page number | LPA to check if it has been submitted (Yes/No) |
| --- | --- | --- | --- |
| 1 | **Site Surveys (if appropriate)** |  |  |
|  | Topographic survey  | 05920-FRA-002pg58-59 |  |
|  | Details of existing site layout, drainage, and catchment areas plus pre and post development impermeable areas | 05920-FRA-002pg10, 14-16, 42 |  |
|  | Evidence of % increase for urban creep and how it’s been applied to post development calculations | 05920-FRA-002pg44 |  |
|  | Ground investigation including groundwater level information (for seasonally high groundwater level), potential contamination and infiltration testing (to BRE365 or similar) | 05920-FRA-002pg60-72 |  |
|  | Existing drainage scheme survey e.g., CCTV or historic plans | NA |  |
|  | Survey of existing waterbodies e.g., watercourses, ponds or springs and culverts or bridges | NA |  |
| 2 | **Plans and Drawings** |  |  |
|  | Layout drawing including drainage scheme SuDS and other water features. Including invert levels, cover levels, conveyance systems any pipe gradients, flow directions and labels that match any drainage modelling calculations. Outfall locations, control devices, attenuation systems and water quality treatment features.  | 05920-FRA-002pg177-180, 129-152 |  |
|  | High level construction management plan including phasing access arrangements and operational characteristics. Temporary drainage and water pollution including discharge points and flow controls should be included. | NA |  |
|  | Landscaping planting scheme for vegetated SuDS | NA |  |
|  | Maintenance plan and confirmation in principle of adopting authority for the lifetime of the development | 05920-FRA-002pg50-54 |  |
| 3 | **Assessments** |  |  |
|  | Evidence that that the SuDS hierarchy and the 4 pillars have been met. | 05920-FRA-002pg38, 40-43, 45-48 |  |
|  | Full supporting calculations for the drainage design including design parameters using FEH 13 and predevelopment greenfield runoff rates / volumes.  | 05920-FRA-002pg181-190 |  |
|  | Critical storm simulation results of the conveyance network by level and discharge for events 100%, 3.33%,3.33% plus climate change, 1% and 1% AEP plus climate change  | 05920-FRA-002pg181-190 |  |
|  | Evidence of calculations to support the sizing of storage features to accommodate the 3.33% AEP plus climate change and 1% AEP climate change critical storms. | 05920-FRA-002pg181-190 |  |
|  | Evidence and drawing of where any flooding would occur during a 1% AEP plus climate change critical storm event would occur. Information should include extent, depth, and velocity of flooding, demonstrating that it would not leave the site boundary. | 05920-FRA-002pg195-196 |  |
|  | Flood resistance and resilience measures 300mm above flood levels | 05920-FRA-002pg178 |  |
|  | Drawing showing exceedance flows greater than 1% AEP plus climate change or if the drainage system is compromised. | 05920-FRA-002pg196 |  |
| 4 | **Supplementary Evidence** |  |  |
|  | Confirmation of discharge location approval (in principal agreements from third parties if appropriate) | NA |  |
|  | Confirmation of any consents required | NA |  |
|  | Evidence of predevelopment discharge capacity analysis (where discharging from an existing pipe). | NA |  |