

SuDS SCHEME NOTES:

This proposed scheme is based upon the following:

1. Strategy as per London Borough of Hillingdon Local Plan Part 2 Development Management Policies, adopted on the 16th January 2020 and Policy 5.12, 5.13 and 5.15 of the London Plan (2016).
2. The Pre Development greenfield runoff (Q_{bar}) is 0.43 l/s for a total site area of 0.033 ha (calculated as 0.1 ha in the HR Wallingford Tool).
3. Impermeable area used for the Post Development scenario is noted as being approx. 0.033ha.
4. Maximum discharge will be limited to 2.0 l/s based on max. orifice diameter of 50mm to prevent risk of blockage.
5. Strategy to provide capacity with no flooding up to and including the 1:100 year storm event plus 40% climate change in accordance with the Climate Change Allowances from the Environment Agency.
6. Min. attenuation provided to be $10m^3$. Scheme allows for a $15.6m^3$ based on a 300mm filtration layer at the proposed porous paving structure.
7. Residential roof and proposed driveway surface water treatment provided via permeable paving.
8. Proposed drainage systems including the SuDS elements to be private.
9. There is a existing foul Thames Water sewer along Parkway Road. The proposal is to discharge the foul water into this pipe using the existing foul site connections.
10. There is also a 450mm surface Thames Water sewer running from south to north to the west of the site with a potential connection from the Park Lodge that may cross the site in accordance with the Thames Water Asset plans. The proposal allows for a surface water discharge into this sewer using the existing site connection, again, this is to be investigated.
11. This drainage strategy is to be noted as indicative at this stage and may be subject to alterations during detailed design, future discussions with design team and confirmation of proposed site levels.
12. No RWP's and Foul Pop-ups information was provided at this stage.
13. Existing site drainage to be cleaned and investigated further in line with the Happy Drains CCTV recommendations.

Notes:

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4. ALL DIMENSIONS AND SIZES TO BE VERIFIED ON SITE.
5. PIPework SHOWN INDICATIVE AT THIS STAGE TO BE CONFIRMED DURING DETAILED STAGE.

Legend:

- Application site boundary
- Proposed Indicative Private Surface Water Inspection Chamber
- Proposed Indicative Private Foul Water Inspection Chamber
- Proposed Indicative Private Surface Water Manhole
- Proposed Indicative Private Surface Water Pipework
- Proposed Indicative Private Foul Water Pipework
- Proposed Rodding Eye
- Proposed Private Permeable Paving
- Proposed Distribution Box
- Existing Indicative Public 225mm Foul Water Pipework
- Existing Indicative Public Surface Water Pipework
- Existing Indicative Public Surface Water Manhole

B Amended to reflect the latest architect layout CVB 05/04/24
 A Amended to reflect the CCTV findings CVB 19/06/23
 REV: DESCRIPTION: BY: DATE:

STATUS: PLANNING

VB VAZQUEZ BESADA CONSULTING
 info@vazquezbcsada.co.uk
 M: 07541 960263
 www.vazquezbcsada.co.uk

CLIENT: Maximum Construction

SITE: Court Park Pavilion, Parkway
 London Borough of Hillingdon
 Uxbridge, UB10 9JX

TITLE: Proposed SuDS Scheme

SCALE AT A: 1:100 DATE: 29/05/23 DRAWN: CVB CHECKED: CVB
 PROJECT NO: 23005 DRAWING NO: 101 REVISION: B

