

- 1 - This drawing is not drawn to any scale.
- 2 - Drainage strategy may be abbreviated to D.S. Green Corridor may similarly be shortened to G.C. and climate change to C.C.
- 3 - Levels shown are in metres AOD and are based on topographical survey data received from K.A. Rylands February 2015. (version 7.)
- 4 - For site wide reference data and maximum allowable discharge allowances refer to the original approved surface water drainage strategy and table on Aecom drawing 60312043 / CIV / 101 (rev P9).
- 5 - For detailed catchment areas and the assumptions made for catchment splits and where parcels discharge to all other supporting information refer to Aecom drawing 60312043 / CIV / 298 (rev P13).
- 6 - Parcel V2E drainage and catchments based on G.T.A drawing ref 11343-1601 & 1602 rev C11.
- 7 - SuDS storage design requirements based on maximum 65% impermeable area for all parcels.
- 8 - All SuDS delivery in green corridor assumed to be provided in open water features.
- 9 - All SuDS shown have 2.0 metre wide berms (min) and 1.3 slopes (max) and in general accord with specific agreed with LLEWA WBC. Alternative or additional SuDS features require LLFA approval in principle.

10 - Pond designs for separate cascades 18a-18b and 17 - 16 - 19a - 19C1 - 19C3 are for validation purposes and provided in support of the design principles shown in detailed standalone drainage strategy for Hazebrouck Garrison site.

11 - All hydraulic performances shown are based on MicroDrainage Source Control (srcx) input data and cascading method results for 1:10, 1:30 and 1:100 year return periods. Refer to Aecom supporting hydraulic calculations for further information.

12 - Climate change evaluation is based on 30% as per approved drainage strategy (March 2015). Information for 40% climate change added for comparative purposes for future phasing.

13 - Assumed freeboard provision in all SuDS open features is to be greater than 300mm (min) for peak volume requirements. Assumed that all FFL's will be + 600mm above maximum water levels quoted.

14 - Rainfall method and data is based on Flood Estimation Handbook (FEH).

15 - Time area diagrams are manually evaluated and pending corrected output data from detailed network design

16 - No allowances have been made for any storage in SWS networks on parcel.

17 - All controls referenced are Hydrobrake Optimum ® type and are subject to change in specification pending detailed design stage.

18 - Implementation for all G.C. SuDS features are subject to site phasing, detailed design and technical approval.

FOR INFORMATION ONLY

ISSUE/REVISION

P	Issue/Revision	AB	OM	CLP
P9.30.08.24	Drainage cascade amended to suit development to Parcel V2E and Pond 18a redesigned to return period 10, 30 & 100 year return period data updated	AB	OM	CLP
P6.13.22.09	18a2 moved offline, Bowers V2E tanks added, SRCX outlets amended	AB	AC	CLP
P7.23.08.22	18a2 moved offline, Bowers V2E tanks added, SRCX outlets amended	AB	AC	CLP
P1.11.12.02	GC Pond sequence redesigned to 18a2 sequence (srcx) 18a2 offline SRCX outlets amended	AC	AB	CLP
P5.23.10.14	Pond 18a - 18b sequence (srcx) redesigned as discharge rate reduced to 10, 30 & 100 year return period data updated	AC	AB	-
P4.8.10.19	Pond 22 removed (GC Design) and replaced by 18a2 (srcx) detail issued to Thames Water	AC	AB	-
P3.23.5.19	18a & 18c removed (GC Design) and replaced by 18a2 (srcx) detail issued to Thames Water	AB	AC	-
Rev Date				Approved

PROJECT NUMBER

60312043

SHEET TITLE

Hazebrouck Green Corridor SuDS train
Cascading Ponds Design Sequence
SRCX Results 1:10, 1:30 & 1:100 year

SHEET NUMBER

Pond Cascades - A2 Sketch (rev P9)