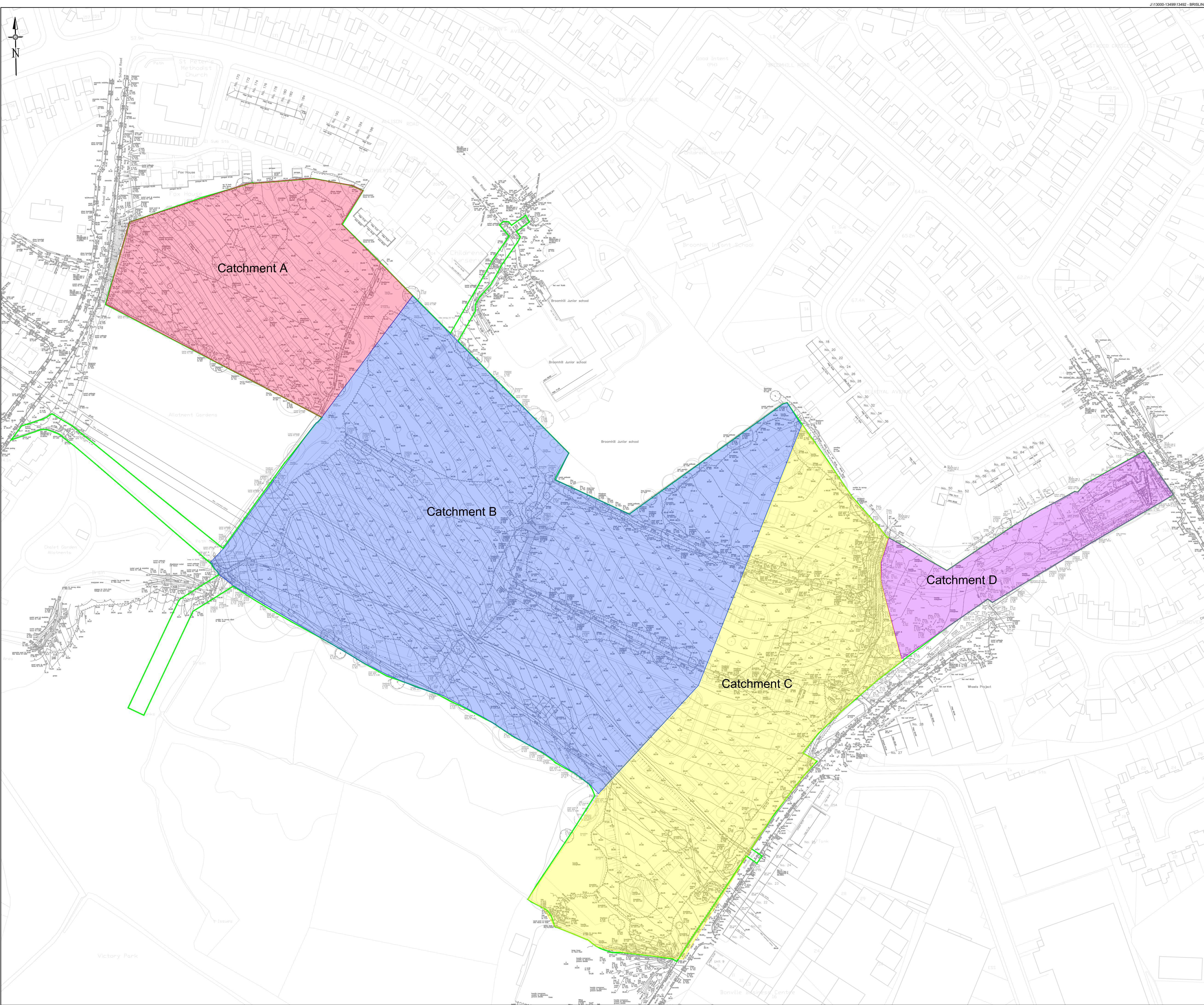




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- Drawing revision:**

P: Preliminary	Evolving drawings for approvals, tenders, billings etc.
C: Contractual	Drawings authorized and approved for stage completion i.e. Stage-Tender or Stage 5-Construction .
- Drawing status:**
Work in progress
S0 - Initial status
Shared (Non-contractual)
S1 - Suitable for coordination, **S2** - Suitable for information, **S3** - Suitable for review and comment, **S4** - Suitable for stage approval.
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B1, Bn etc - Partial sign-off (with comments)
CR - As constructed record document (Final Construction ONLY). Any deviations to that which is on site is not the liability of CampbellReith)
- Work Stages:**
2 - Concept, **3** - Definition, **4** - Design, **5** - Build & commission, **6** - Handover
- Only drawings with **revision Cn** and **status A5** to be used for **Construction**

LEGEND
 Site Boundary

P1	Issued for Information	17.03.22	TA
Rev	Description	Date	By

CampbellReith

consulting engineers

London020 7340 1700

Surrey01737 784 500

Bristol0117 916 1066

☐ Manchester

☐ Birmingham

☐ Dubai

0161 819 306001675 467 48400 971 4345 7088

www.campbellreith.com

Job Title

BRISLINGTON MEADOWS

Client

BRISTOL CITY COUNCIL

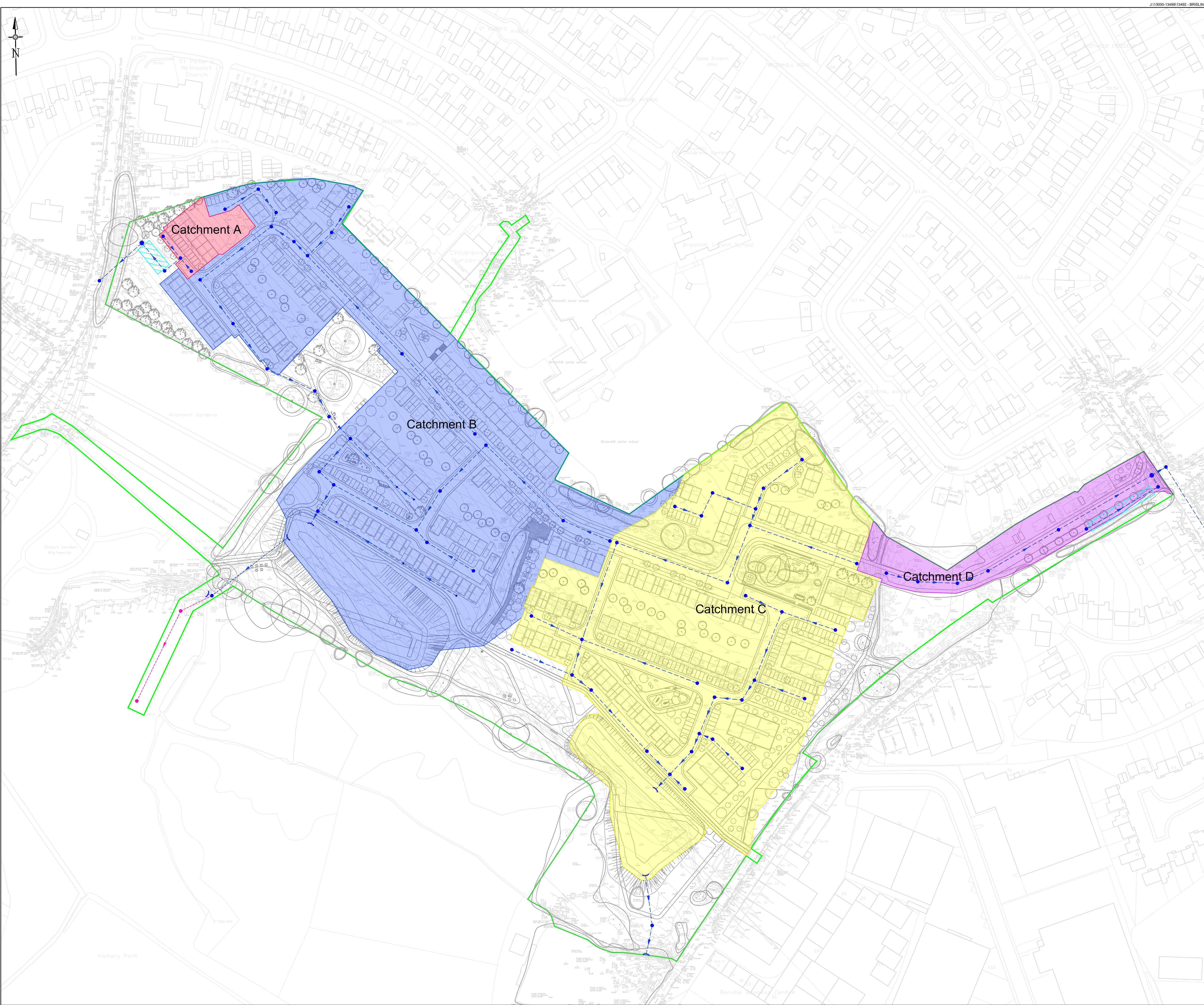
EXISTING CATCHMENT AREAS PLAN

Drawn by	Date made	Scale @ A1	Checked by	Suitability	CR Project
TA	17.03.22	1:1000		S2	13492

Project No.	Originator	Volume	Lvl/Loc	Type	Role	Number	Rev
13492	CRH	XX	00	DR	C	5040	P1

J113000-13499-13492 - BRISLINGTON MEADOWS, BRISTOL.DWG/2- INFRASTRUCTURE/1-AUTOCAD/1-WORKING DRAWINGS/13492-CRH-XX-00-DR-C-5040.DWG

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- Drawing status:**
Work in progress
S0 - Initial status
Shared (Non-contractual)
S1 - Suitable for coordination, **S2** - Suitable for information, **S3** - Suitable for review and comment, **S4** - Suitable for stage approval.
Published (For contractors purposes)
A1, An etc - Authorised and accepted ('n' relates to work stages)
B1, Bn etc - Partial sign-off (with comments)
CR - As constructed record document (Final Construction ONLY. Any deviations to that which is on site is not the liability of CampbellReith)
- Work Stages:**
2 - Concept, **3** - Definition, **4** - Design, **5** - Build & commission, **6** - Handover
- Only drawings with **revision Cn** and **status A5** to be used for **Construction**

LEGEND
 Site Boundary

P1	Issued for Information	17.03.22	TA
Rev	Description	Date	By

CampbellReith

consulting engineers

London	020 7340 1700	☐ Manchester	0161 819 3060
Surrey	01737 784 500	☐ Birmingham	01675 467 484
Bristol	0117 916 1066	☐ Dubai	00 971 4345 7088

www.campbellreith.com

Job Title	BRISLINGTON MEADOWS
Client	BRISTOL CITY COUNCIL

PROPOSED
SURFACE WATER
CATCHMENT AREAS

Drawn by	Date made	Scale @ A1	Checked by	Suitability	CR Project
TA	17.03.22	1:1000		S2	13492

Project No.	Originator	Volume	Lvl/Loc	Type	Role	Number	Rev
13492	CRH	XX	00	DR	C	5056	P1

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Greenfield Runoff Calculations

Catchment A

ICP SUDS

ICP SUDS Input (FSR Method)

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

Partly Urbanised Catchment (QBAR)

Urban

Region

Results

QBAR rural (l/s)

QBAR urban (l/s)

Return Period Flood

	Region	QBAR (l/s)	Q (1yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
IH 124	Region 1	0.7	0.6	0.6	1.3	1.6
ICP SUDS	Region 2	0.7	0.6	0.6	1.3	1.7
ADAS 345	Region 3	0.7	0.6	0.6	1.2	1.4
FEH	Region 4	0.7	0.5	0.5	1.3	1.7
ReFH2	Region 5	0.7	0.6	0.6	1.6	2.4
	Region 6/Region 7	0.7	0.6	0.6	1.5	2.1
Greenfield Volume	Region 8	0.7	0.5	0.5	1.3	1.6
Greenfield Volume (ReFH2)	Region 9	0.7	0.6	0.6	1.2	1.4
	Region 10	0.7	0.6	0.6	1.1	1.4

Enter Return Period between 1 and 1000

Catchment B



ICP SUDS

ICP SUDS Input (FSR Method)

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

Partly Urbanised Catchment (QBAR)

Urban

Region

Results

QBAR rural (l/s)

QBAR urban (l/s)

Return Period Flood

Region	QBAR (l/s)	Q (1yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
Region 1	17.8	15.1	15.1	33.5	44.0
Region 2	17.8	15.4	15.4	33.7	46.7
Region 3	17.8	15.3	15.3	31.2	36.9
Region 4	17.8	14.7	14.7	34.8	45.6
Region 5	17.8	15.4	15.4	42.7	63.2
Region 6/Region 7	17.8	15.1	15.1	40.2	56.6
Region 8	17.8	13.8	13.8	33.8	43.0
Region 9	17.8	15.6	15.6	31.3	38.7
Region 10	17.8	15.4	15.4	30.1	36.9

Enter Return Period between 1 and 1000

Catchment C



ICP SUDS

ICP SUDS Input (FSR Method)

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

Partly Urbanised Catchment (QBAR)

Urban

Region

Results

QBAR rural (l/s)

QBAR urban (l/s)

Return Period Flood

Region	QBAR (l/s)	Q (1yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
Region 1	17.3	14.7	14.7	32.8	43.0
Region 2	17.3	15.1	15.1	32.9	45.6
Region 3	17.3	14.9	14.9	30.5	36.1
Region 4	17.3	14.4	14.4	34.0	44.5
Region 5	17.3	15.1	15.1	41.6	61.7
Region 6/Region 7	17.3	14.7	14.7	39.3	55.3
Region 8	17.3	13.5	13.5	33.0	41.9
Region 9	17.3	15.3	15.3	30.6	37.8
Region 10	17.3	15.1	15.1	29.4	36.1

IH 124

ICP SUDS

ADAS 345

FEH

ReFH2

Greenfield Volume

Greenfield Volume (ReFH2)

Enter Return Period between 1 and 1000

Catchment D

Rural Runoff Calculator

Micro Drainage

ICP SUDS

ICP SUDS Input (FSR Method)

Return Period (Years)

Area (ha)

SAAR (mm)

Soil

Growth Curve

Partly Urbanised Catchment (QBAR)

Urban

Region

Results

QBAR rural (l/s)

QBAR urban (l/s)

Return Period Flood

	Region	QBAR (l/s)	Q (1yrs) (l/s)	Q (1 yrs) (l/s)	Q (30 yrs) (l/s)	Q (100 yrs) (l/s)
IH 124	Region 1	2.3	2.0	2.0	4.4	5.7
ICP SUDS	Region 2	2.3	2.0	2.0	4.4	6.1
ADAS 345	Region 3	2.3	2.0	2.0	4.1	4.8
FEH	Region 4	2.3	1.9	1.9	4.5	6.0
ReFH2	Region 5	2.3	2.0	2.0	5.6	8.2
	Region 6/Region 7	2.3	2.0	2.0	5.2	7.4
Greenfield Volume	Region 8	2.3	1.8	1.8	4.4	5.6
Greenfield Volume (ReFH2)	Region 9	2.3	2.0	2.0	4.1	5.0
	Region 10	2.3	2.0	2.0	3.9	4.8

OK Cancel Help

Enter Return Period between 1 and 1000