

**NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED, WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

**SuDS LEGEND**

LAKE / POND / STREAM	[Blue line symbol]
GREEN ROOF - INTENSIVE / EXTENSIVE 1200sqm	[Green fill symbol]
BLUE ROOF - INTENSIVE / EXTENSIVE 6316sqm	[Blue fill symbol]
IMPERMEABLE ROOF 9200sqm	[Pink fill symbol]
IMPERMEABLE HARDSTANDING FINISHES 1977sqm	[Grey fill symbol]
PERMEABLE HARDSTANDING FINISHES 1399sqm	[Light grey fill symbol]
FILTER TRENCH / INTERCEPTION TRENCH 79sqm	[Dashed line symbol]
SOAKAWAYS 15sqm	[Yellow fill symbol]
TREE PIT 644sqm	[Green circle symbol]
PERMEABLE PAVING 3172sqm	[Blue grid symbol]
ATTENUATION TANK	[Blue rectangle symbol]
BIO-RETENTION AREAS / SWALES 1655sqm	[Yellow rectangle symbol]
EXISTING GROUND LEVEL INDICATED THIS	[+41.50 symbol]

**SuDS MEASURES:**

- GREEN ROOF INTENSIVE
- GREEN ROOF EXTENSIVE (SEDUM)
- BLUE ROOF
- BIO-RETENTION AREAS & TREE PITS
- FILTER TRENCHES
- PERMEABLE PAVING
- DETENTION BASIN
- SOAKAWAYS
- ATTENUATION TANKS WITH INFILTRATION

**NOTES:**

- ATTENUATION TANKS AND GRANULAR FILL OVER THE TANKS TO BE DESIGNED FOR FIVE TENSECONDS IN ALL LOCATIONS UNLESS NOTED OTHERWISE.
- IF NOT ASSIGNED AS ABOVE, HARD / SOFT LANDSCAPING TO ARCHITECT & LANDSCAPE ARCHITECT DETAILS.

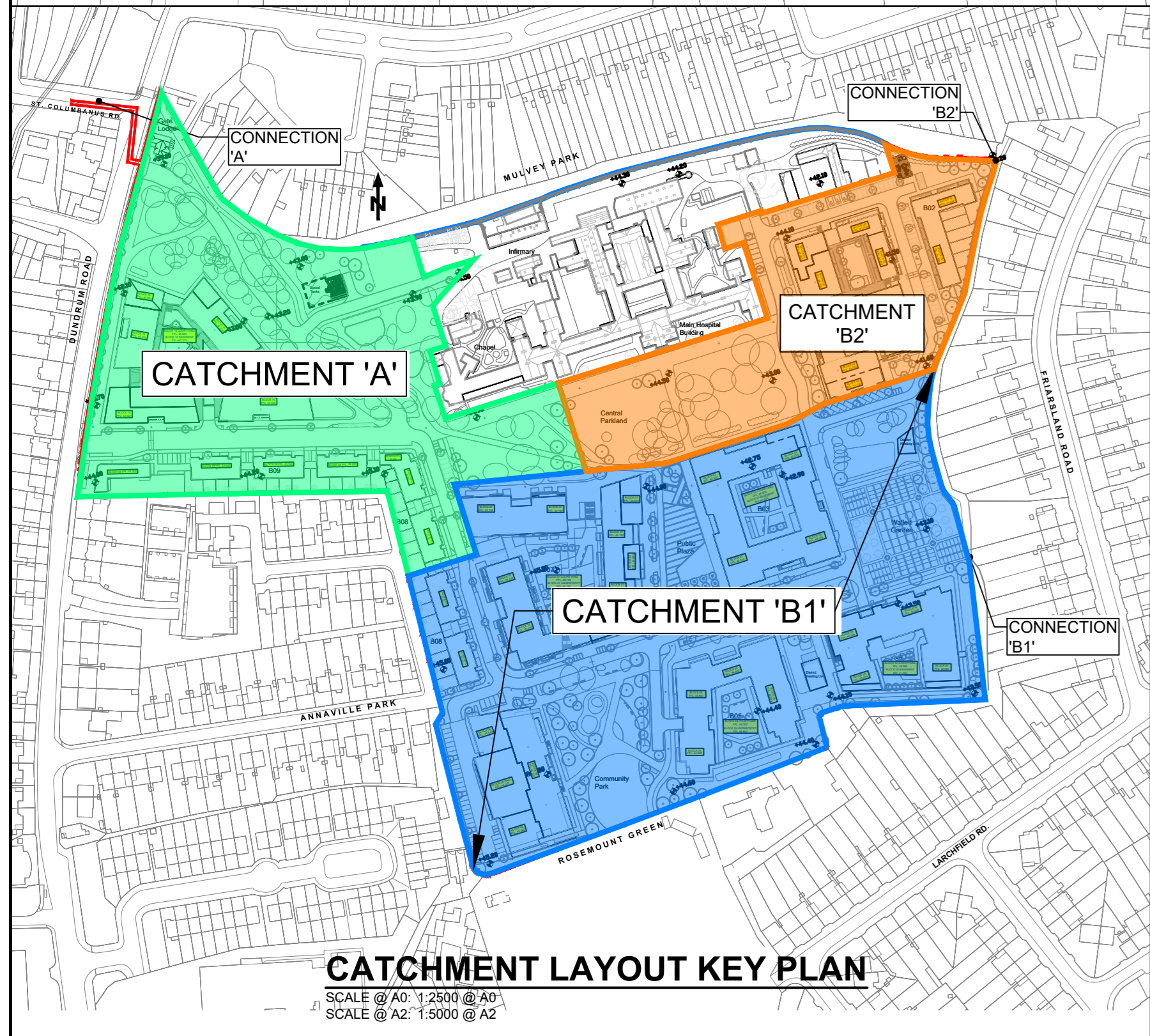
Catchment A: Type of areas	Areas (m <sup>2</sup> )	Storage (l/m <sup>2</sup> )	Capacity (m <sup>3</sup> )
Landscaping (Grass / Soft)	15682	15	235.23
Green Roof Intensive / Extensive	5312	12	63.744
Permeable Paving	850	30	25.5
Impermeable Paving	5929	0	0
Tree Pits	117	75	8.775
Bio Retention Areas	407	75	30.525
Filter Trenches	63	75	4.725
Soakaways	15	450	6.75
Standard Roof (Impermeable)	1372	0	0
<b>Total</b>	<b>29747</b>	-	<b>375.249</b>

Catchment B1: Type of areas	Areas (m <sup>2</sup> )	Storage (l/m <sup>2</sup> )	Capacity (m <sup>3</sup> )
Landscaping (Grass / Soft)	17812	15	267.18
Green Roof Intensive / Extensive	12905	12	154.86
Permeable Paving	1360	30	40.8
Impermeable Paving	7804	0	0
Tree Pits	305	75	22.875
Bio Retention Areas	1182	75	88.65
Filter Trenches	24	75	1.8
Standard Roof (Impermeable)	6560	0	0
<b>Total</b>	<b>47961</b>	-	<b>576.165</b>

Catchment B2: Type of areas	Areas (m <sup>2</sup> )	Storage (l/m <sup>2</sup> )	Capacity (m <sup>3</sup> )
Landscaping (Grass / Soft)	8906	15	133.59
Green Roof Intensive / Extensive	3322	12	39.864
Permeable Paving	962	30	28.86
Impermeable Paving	2886	0	0
Tree Pits	222	75	16.65
Bio Retention Areas	66	75	4.95
Filter Trenches	35	75	2.625
Standard Roof (Impermeable)	1289	0	0
<b>Total</b>	<b>17788</b>	-	<b>226.539</b>



**SuDS LAYOUT**  
SCALE @ A2: 1:1000 @ A2

PL4	00.03.23	ISSUED FOR COMMENT	WK
PL3	07.01.22	ISSUED FOR COMMENT	WK
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: POD		Project Director: JPC	

**PLANNING**

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CLIENT: **LAND DEVELOPMENT AGENCY**

PROJECT TITLE: **DUNDRUM CENTRAL DEVELOPMENT** BM PROJECT NO: **20.170**

DRAWING TITLE: **SuDS LAYOUT**

DRAWING REFERENCE: **DCD-BMD-00-00-DR-C-1030** STATUS: **PL4**