



**PROJECT**

KILDARE COUNTY LIBRARY,  
NEBRIDGE, CO. KILDARE.

**CLIENT**

KILDARE COUNTY  
COUNCIL

**CONSULTANT**

AECOM  
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**NOTES**

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
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- DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.

INDICATIVE PROPOSED NEWBRIDGE  
TRANSPORT PLAN NEARSIDE JUNCTION  
LAYOUT.

REFER TO AECOM DRG REF.  
60669624-ACM-00-XX-DR-CE-00-0501  
FOR THE PROPOSED DRAINAGE  
LAYOUT

**LEGEND:**

- PROPOSED CATCHPIT  
INSPECTION CHAMBER AND  
CONNECTING PIPEWORK.....
- PROPOSED OIL SEPARATOR.....
- PROPOSED GREEN ROOF.....
- PROPOSED BIO-RETENTION  
FEATURE WITH PERFORATED PIPE.
- PROPOSED POROUS SURFACING.....
- PROPOSED SOFT LANDSCAPING  
(PLAZA AREA)
- PROPOSED BIO-RETENTION  
FEATURE / TREE PIT (PLAZA AREA)

LIBRARY SITE SuDS PROVISIONS AS SHOWN		
FEATURE	AREA m <sup>2</sup>	TREATMENT VOLUME m <sup>3</sup>
<b>TOTAL TREATMENT VOLUME REQUIRED</b>		<b>27.7</b>
EXTENSIVE GREEN ROOF (BASED ON A MINIMUM STORAGE OF 5MM OF RIANFALL)	265.0	2.0
BIO-RETENTION (BASED ON A MINIMUM DEPTH OF PLANTING SOIL OF 0.6M AND A VOID RATIO OF 0.30)	186.0	33.5
PERMEABLE PAVING (BASED ON A MINIMUM DEPTH OF 0.3M OF STONE MEDIA AND A VOID RATIO OF 0.30)	43.0	3.9
<b>TOTAL TREATMENT VOLUME PROVIDED</b>		<b>39.4</b>

**A PROPOSED SUDS LAYOUT**  
0520 Scale: 1:250

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ISSUE/REVISION		
I/R	DATE	DESCRIPTION
0	10.03.2023	UPDATED PART 8 ISSUE

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60669624

**SHEET TITLE**  
PROPOSED SUDS LAYOUT

**SHEET NUMBER**  
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