

Landscape Plan

Clane Library

Main st, Clane, Co. Kildare

Key :

- The principal elements in the attached plan are :
- 1 Re-marked car parking to architects layout.
 - 2 New permeable pavement for SUDs, to engineers detail. Type 1 pavement to be neutral Suds compatible small unit block pavement. (See type 1 below - Fusion 200 x 100 x 60/80mm neutral grey or Neutral grey with charcoal mix or similar approved.
 - 3 Bands of dark grey pavement to delineate and repeat angled motif through scheme. (See type 2 below Fusion 200 x 100 x 60/80mm dark grey / charcoal double row or similar approved.
 - 4 Neutral larger slab pavement. Suds compatible Tobermore Fusion grey 300 x 600 laid in bands as shown. Optional duo two tone mix-graphite and silver colours.
 - 5 Stone kerbing. Dark grey Limestone or Granite. 1000 x 200 x 200 or similar approved to engineers detail. Note flush effect at parking adjacent to shop units and dropped kerb to facilitate access at point A.
 - 6 Rear courtyard to contain Bio-retention tree pit for water collection from roof drainage. Please refer to engineers Suds drainage strategy and detail. Green Blue Urban Blue Arborflow SUDS Tree pit similar approved system, with underground storage and integrated overflow to adjacent swale.
 - 7 Raised Planters adjacent to building. Flow-through system to accommodate rainwater from roof and overflowing to bioretention swale. Fibreglass construction with outer cladding to match building facade to architects detail.
 - 8 Bioretention swale to consist of designated depression planted with marginal plants tolerant of damp conditions. Primarily low to mid size plants with focal point small tree as shown.
 - 9 Offset paved area for bicycle parking in neutral larger slab pavement. Suds compatible Tobermore Fusion grey 300 x 600 x 60mm laid in bands. Optional 'duo' two tone mix charcoal and light grey.
 - 10 Existing mature Acer tree retained. New 450mm high curved wall constructed to accommodate additional topsoil.
 - 11 Existing planter removed from base of wall.
 - 12 Location for seating. Hartecast bench (2 no) Model Hartecast 12046B ddd or similar approved.

Proposed Paving :

Pavement Type 1.

Bands of dark grey pavement to delineate and repeat angled motif through scheme. Suds compatible (Tobermore Fusion 200 x 100 x 60 or 80mm) in staggered rows. Granite effect appearance, low slip resistance, dark grey / graphite colour, double row) or similar approved.

Pavement Type 2.

Neutral larger slab pavement. Suds compatible Fusion grey 300 x 600 x 60mm laid in angled bands as shown

Pavement Type 3.

Infill Pavement Suds compatible (Tobermore Fusion 200 x 100 x60 or 80mm) in staggered rows. Granite effect appearance, low slip resistance, silver colour,) laid in stretcher bond or similar approved.

Kerbing.

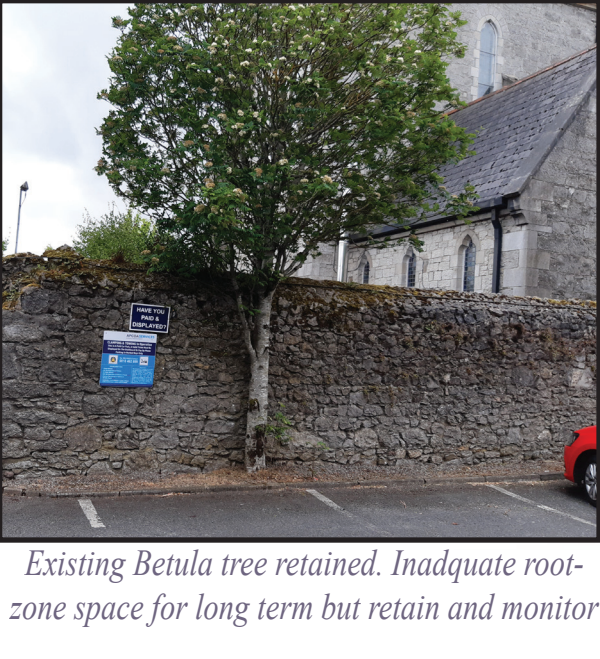
a) Stone kerbing. (Dark grey Limestone or granite. 1000 x 200 x 200 or similar approved. Note flush effect at parking adjacent to shop units

b) Inside of kerb, place band of Graphite / dark grey colored Tobermore Fusion 200 x 100mm or similar approved

Specification	PrimeTop	El-Stop
Product type	Concrete Paving Block	
Manufactured to	BS EN 12424:2003	
Surface Layer	Two layers of 20mm layer with a minimum layer of 4mm and 150kg/m ³ compacted	
Surface Finish	Textured Concrete Aggregate	
Gravels Content	Not less than 20% of gravels aggregate in surface layer for 5mm and 10mm; not less than 40% of gravels aggregate in sub-base layer to 20mm.	
Effluence	Minimum 52-hour vapour curing to significantly reduce the possibility of effluence.	
Freeze Protection	Yes	
Drainage Void Width	25 to accommodate correct gull gushing, reduce maintenance and maximize drainage flow rate.	
Strength	Typical tensile strength of 3.5MPa.	
Slip Resistance	Enhanced Low	
Installation to	BS 7533:3:2002	
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Tolerances on Dimensions (mm)	Class 3	
Accession Resistance	Class 3	
External Fire Performance	Class A1	
Resistance to Fire	Class A1	
Application	Refer to the relevant part of BS 7533 for the correct sub-base design for your application. Available from www.digitalspec.com	
Energy used	100% recycled aggregate	
Value used	100% from our sustainable harvesting system and groundwater base hole	
Recycling content	100% recycled aggregate	
Recycling & Delivery	100% recycled aggregate	
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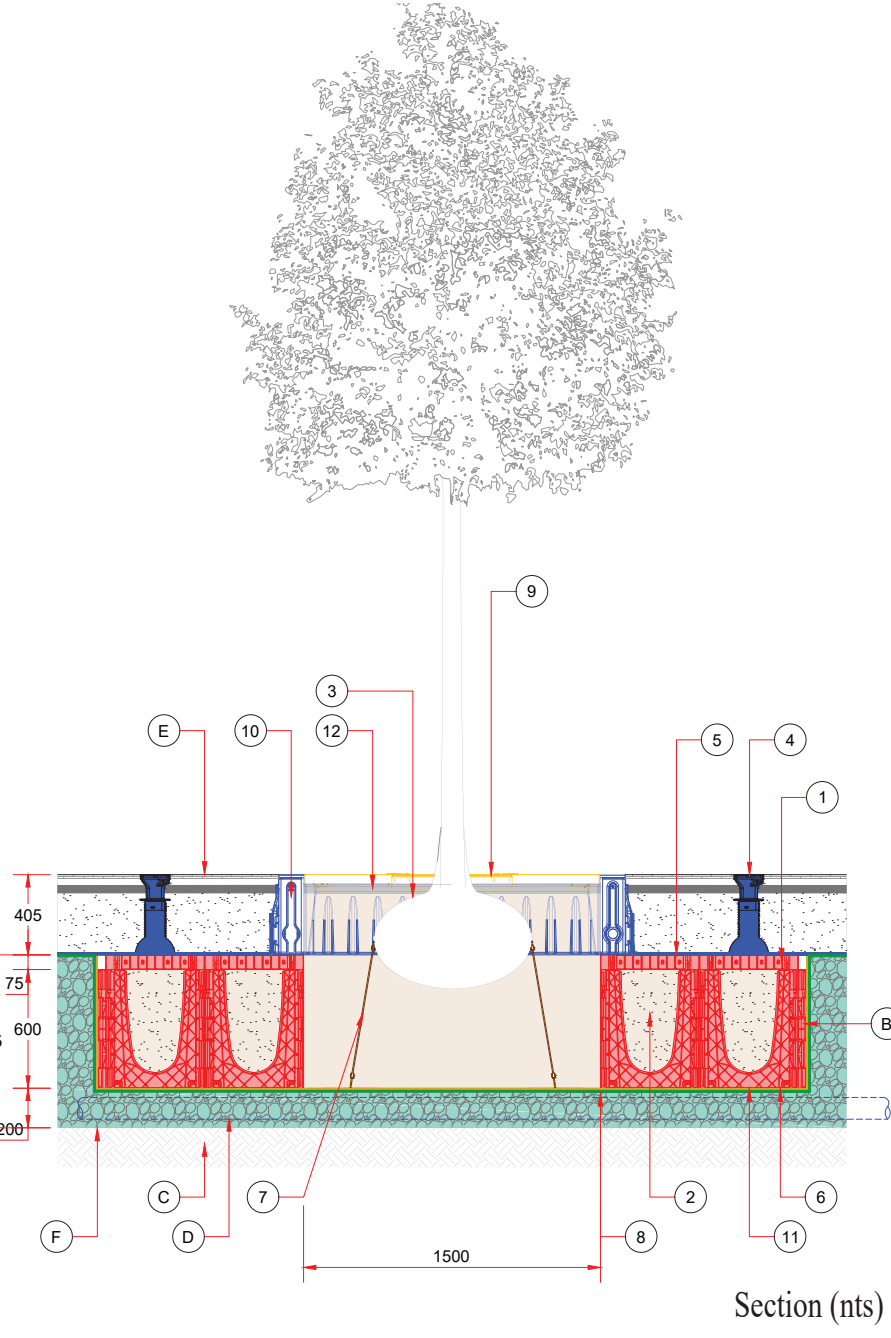
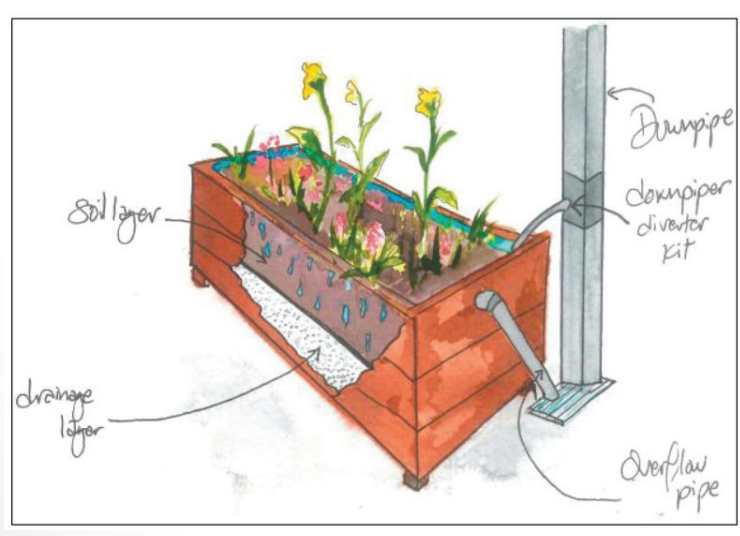
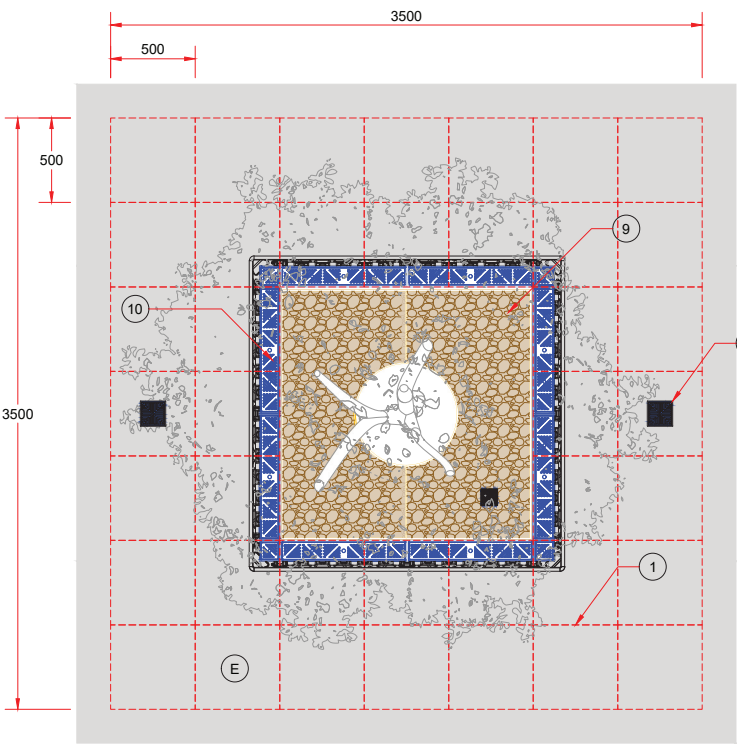


Planting Schedule		
Please refer to planter locations as numbered or attached plan.		
Key	Plant name	Size
1 Planters adjacent to building		
Flow through planters with planting tolerant of slightly damp conditions		
Specimens to each planter (minimum of 10 plants)		
Hydrangea Endless summer white		10L
Low Planting for damp conditions		
Plant at 300mm centres in groups of 3. Max 3 varieties per planter selected from the following:		
Plant name	Size	Spacing (m)
Hosta Big Daddy	5L 40-50	0.3
Carex Everest	2L 20-30	0.3
Asteria Fanal	2L 20-30	0.3
Iris pseudacorus	2L 20-30	0.3
Primula walli	2L 20-30	0.3
Zantedeschia aethiopica	2L 20-30	0.45
Hemerocallis Black magic	2L 20-30	0.45
Caltha palustris	2L 20-30	0.45
Ligularia Desdemona	2L 20-30	0.45
Matteuccia struthiopteris	2L 20-30	0.45
2 Swale area		
Specimen feature small tree for damp conditions		
2a Amelanchier canadensis		
Low Planting for damp swale :		
Plant at 450mm centres in groups of 3 per cluster. Repeat all groups to fill swale space at spacings above.		
Plant name	Size	Spacing (m)
Hosta Big Daddy	5L 40-50	0.45
Carex Everest	2L 20-30	0.45
Asteria Fanal	2L 20-30	0.45
Iris pseudacorus	2L 20-30	0.45
Primula walli	2L 20-30	0.45
Zantedeschia aethiopica	2L 20-30	0.45
Hemerocallis Black magic	2L 20-30	0.45
Caltha palustris	2L 20-30	0.45
Ligularia Desdemona	2L 20-30	0.45
Matteuccia struthiopteris	2L 20-30	0.45
3 Groundcover under existing Mature Acer		
Plant with the following for complete groundcover effect. Plant at 300mm spacings		
Vicia Minus		
Plant in informal groups at the spacings indicated, selected from the following varieties, with minimum 3 plants per group		
To be selected from the following :		
Plant name	Size	Spacing (m)
Eurythra Emerald Gaiety	2L 20-30	0.45
Geranium Rozanne	5L 40-50	0.4
Sedum spaldingii	2L 20-30	0.45
Lavandula stoechas	2L 20-30	0.45
Agapanthus albus	3L 30-40	0.45
Hemerocallis Red Rum	2L 20-30	0.45
Libertia caerulea	2L 20-30	0.45
Stipa Pinnatifida	2L 20-30	0.45
Specimen in each bed :		
Hex aetlic Stevens	5L 1.2m 30L	Contingency
Specimen small trees in rear courtyard		
Acer griseum	50L 300-300m	Contingency
5 For bioretention tree pit as shown		

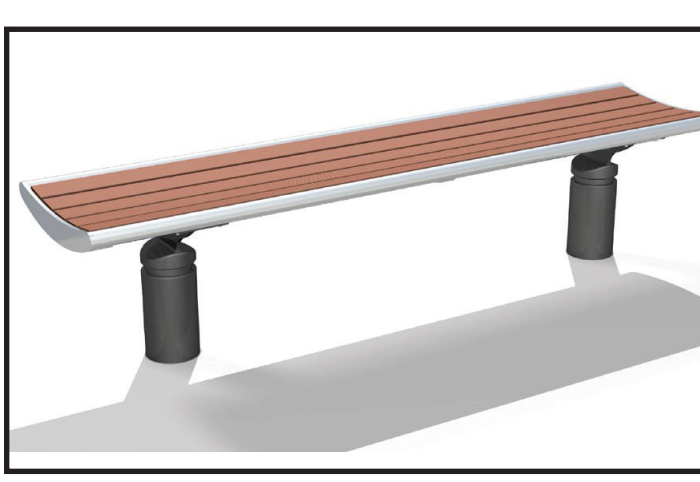


Proposed Bio-retention Tree Pit:

GreenBlue Urban Arborflow SUDs tree pit with Rootspace 600 or similar approved to Engineers detail.



- Key to Plan and Section above
- 1 ROOTSPACE 600mm DEPTH (2 UNIT DEPTH) WITH TWIN WALLED GEOTEXTILE & OPEN REINFORCING MESH - GEORSIDA
 - 2 ARBORISOL HYDRO BIORETENTION SOIL FOR USE WITHIN SUDS APPLICATION - ARBORISOL HYDRO
 - 3 ROOTSPACE PROFESSIONAL MYCORRHIZA FUNGI ALLOW 200g PER TREE - FOSPHOSILA
 - 4 ROOTMAN ARBORISOL CAST ALUMINUM TRAFFICABLE AERATION INLET WITH 150mm SQUARE SLOT AND MANHOLE - RRBABY1008
 - 5 TWIN WALLED STRUCTURAL GEOTEXTILE (INCLUDED IN ITEM 1) SEE NOTE (C) - GLTWIGA
 - 6 20mm OPEN REINFORCING MESH (INCLUDED IN ITEM 1) SEE NOTE (C) - GRNDA
 - 7 ARBORISOL ANCHORPLATE STRAPPED ANCHOR SYSTEM - SASAPISA
 - 8 10mm - 20mm CLEAN ANGULAR DRAINAGE AGGREGATE - GBURSIDA
 - 9 ARBORISOL PRECAST TREE GRILLE 1000mm SQUARE WITH 600mm CENTRAL APERTURE WITH GALVANIZED SUPPORT FRAME TO FIT STORMFORM SYSTEM INCLUDING ROOTSTRAIN AND SPRINKLER IRRIGATION SYSTEM - ARBPIC015A
 - 10 STORMFORM 300 RAD'S SYSTEM C/W 8 SIDE SECTION AND CORNERS - SF300A
 - 11 HESSIAN BIODEGRADABLE FILTER SHEET FOR USE WITHIN SUDS APPLICATIONS. SEE NOTE A - GRUBESA
 - 12 ARBORISOL BARK MULCH - GRUBALCHA
- NOTES:
- A ALLOW 20% ADDITIONAL FOR GEOTEXTILE AND REINFORCED GEOTEXTILE FOR OVERLAP AND CUTTING REQUIREMENTS
 - B INSTALL ROOTSPACE SIDE PANELS TO INSTALLATION AS DIRECTED BY ENGINEER
 - C EXISTING GROUND
 - D POSITIVE DRAINAGE PIPE (110mm PERFORATED PIPE)
 - E BUILD-UP TO SUIT ENGINEER DESIGNS AND REQUIREMENTS
- STRUCTURAL ENGINEER'S NOTE:
- F ADDITIONAL TWINWALL GEOTEXTILE (GLTWIGA) TO BE INSTALLED WHERE SUB-BASE IS INSTALLED BELOW 2% CBM - MINIMUM 2% CBM OF FORMATION LEVELS TO BE ASSURED BY ENGINEER



Suggested bench type. Hartecast 12046B bench with composite timber and ductile iron. Optional armrests, or similar approved to architects specification.



Suggested Pavement Type 2. For rear courtyard and bicycle parking area. Neutral larger slab pavement. Suds compatible Tobermore Fusion grey 300 x 600 x 60mm laid in angled bands as shown. Optional single colour or mixed - to later detail.



Suggested Pavement Type 1 and 3. Infill Pavement Suds compatible (Tobermore Fusion 200 x 100 x60 or 80mm (to engineers spec), Granite effect appearance, low slip resistance, silver colour,) laid in stretcher bond or similar approved. Colour silver (or optional silver Graphite mix as shown in image)

Rear Courtyard (1:50 @ A0)

Project : Clane Library Project
Drawing No. 22DLA / CL/001/ Rev A
Date : October 26th, 2022
By : A.R.



Area to be repaved with pavement type no 3, with angular bands of pavement type no 1 as above. Flush with road.



Path to be repaved with Types 1 and 3 as above. Note - New drop kerbs to replace existing drop kerbs.



Raised area to be planted. Path to be re-paved with Types 1 and 3 as above.



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