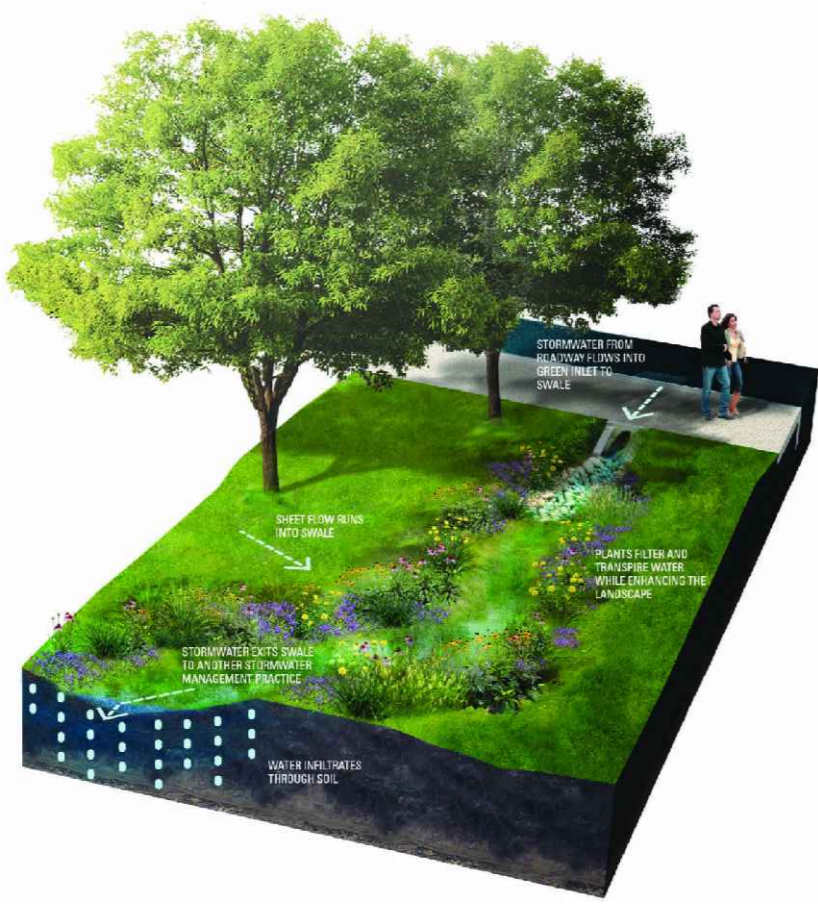
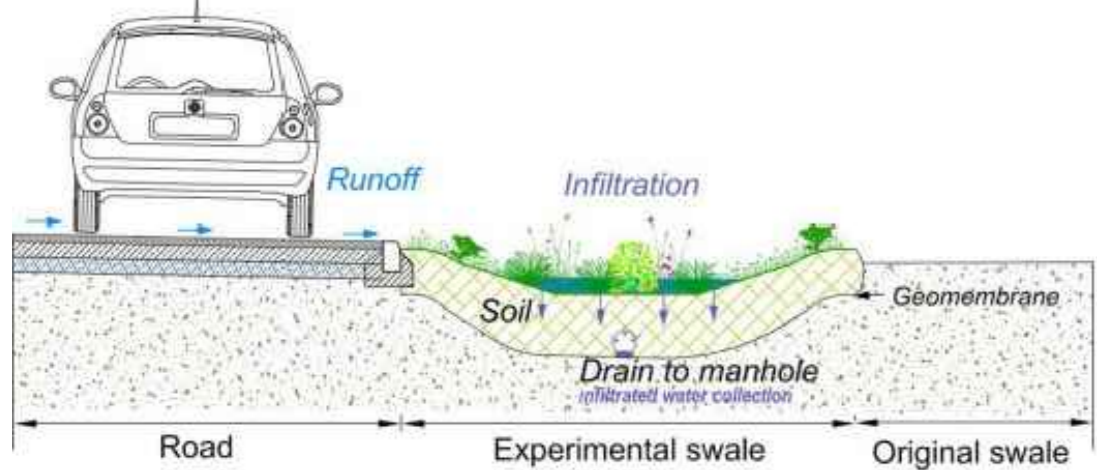


## GREEN BLUE INFRASTRUCTURE

### "Stepping stone" habitat in Urban Areas

- The green blue infrastructure components are connected with each other.
- Swales, Ending swales (=Bio-swale) and Hedgerow&Wall act as liking habitats for wildlife, a network of biodiversity in accordance with the All-Ireland Pollinator Plan.
- The planting proposal promotes use of native species in order to enhance wildlife.



## STRUCTURE OF THE SWALE

- Total Width 3.5meters / depth 0.5m
- Adjacent kerb cut 0.3meters every meter or flush with road
- 1.0m sloped strip along road planted with turf
- 0.5m filter strips planted with turf & marginal wetland vegetation laid over 150mm of topsoil with a gravel under-drain
- 2.0m sloped strip planted with native Tree-Bush-Shrubs over 50/50 turf & amenity grade turf
- if enough water / provide opportunities for wetland plants, possibility to install small dams (river rock ) or create a more biodiverse planted area (bio-swale) at the ending of the swale
- Native species : *Betula pubescens* (birch) , *Prunus padus* (bird cherry), *Sorbus aucuparia* (rowan), *Crataegus monogyna* (whitethorn), *Frangula alnus*, *Salix cinerea*, *Corylus*, etc.
- Undercover in ditch = native wetland (if enough water) or turf
- Along ditch = amenity grade turf and wildflower enhancement
- Maintain short grass adjacent to paths and in the formal areas of the SuDS
- Leave other areas with long grass over winter

## BIO-SWALE

- Using higher level outflows or dams, rock or boulders to allow some temporary and localized retention of water and improve the stratum of biodiversity...
- Bio-swales are aesthetically planted with native flora to help filter water through soil and plants before it enters a storm drain.
- Plants can consist of both perennials and woody shrubs and can be designed to work in both sunny and shady locations. Plant selection is key to the performance of these swales and the light requirements that exist on a particular site. Plants can be utilized that attract butterflies and birds or just to enhance an otherwise utilitarian space.



### Note

The proposed Bio-swale are not to be placed everywhere in the scheme. Technical development in conjunction with the Ecologist and Engineers, will be necessary to confirm the strategic location at further stage.

STRUCTURE OF HEDGEROW & WALL = Habitat for wildlife


- native shrub species which produce blooms, rich with nectar, fruit and nuts.
- **non accessible area, mix of proposed wild grasses**  
/ meadow grass and / or wild bird cover seeding in place of meadow
- climbers 'trained' on wires or trellis for Honeysuckle or not for Ivy.
- the hedgerow includes a higher proportion of woodland edge species. Hawthorn (Principal species) + Blackthorn + Holly + Occasional specimen trees of light canopy (Silver birch and Alder) + Crab apple + occasional shrubs.



## HARDSCAPE

- |   |   |
|---|---|
|   | <b>PUBLIC FOOTPATH</b><br>In-situ brushed concrete panels with expansion joints   |
|  | <b>PRIVATE TERRACE REAR GARDEN</b><br>In-situ concrete / resin bound gravel / <i>Permeable paving</i> / <b>MUNICIPAL COURTYARD</b><br>In-situ concrete / resin bound gravel |
|  | <b>GRANGE HOUSE</b><br>Resin bound gravel / Compacted sand  |
|  | <b>PEDESTRIAN JUNCTION, PLAZA &amp; COURTYARDS</b><br>Large slabs 600x450x63mm  |
|  | <b>FRONT TERRACE &amp; THRESHOLD HOUSE</b><br>Concrete block paving 300x200x85mm or 200x100x85mm<br><i>Permeable - 18C</i>  |
|  | <b>CAR PARKING SPACE &amp; SHARED STREET</b><br><i>Permeable</i> Concrete Block Paving 300x100x80mm   |
|  | <b>ROAD</b><br>Proposed hot rolled asphalt surface<br>as per Engineer's specification   |
|  | <b>ROAD &amp; RAISED TABLE</b><br>Tarmac with large exposed aggregates  |
|  | <b>PLAY AREA</b><br>Rubber mulch including H150 metal edges   |
|  | <b>STEPPING STONE</b><br>Concrete stepping stone, 200x200x100/100mm<br>polished, grade silver, to exposed stone aggregate   |


## DRAINAGE

-  +53.750 EXISTING LEVELS
-  + 52.25 PROPOSED LEVELS AND FALL

## PLANTING

- 
- TREE Existing + RPA**
- TREE Proposed**
- TREE Group**
- TREE small & Multisize Proposed**
- STREET TREE GRILL**
- PINE TREE**
- BUSHES**
- SHRUBS**
- EVERGREEN HEDGES**
- PROPOSED DOUBLE STAGGERED NATIVE HEDGEROW**
- ACCENTUATION PLANTING SHRUBS & GROUND COVERS**
- MOWED GRASS**
- MEADOW GRASS**
- PRIVATE BACK GARDEN**
- GRASSY HABITAT**  
 In accordance with Ecologist recommendations  
 non accessible area: mix of proposed wild grasses  
 + Cow parsley + crocus Barr's Purple + Grape Hyacinth.

## LIGHTING

- 
- PUBLIC LIGHTING**  
**SUGGESTED LOCATION**  
 Pole 6/9m - TBC by Specialist / Engineer

## FURNITURE

- 
- PUBLIC BENCH**  
with back and arm rest  
L1800mm
- PICNIC TABLE**  
table 2000x765mm  
2x bench
- JUNCTION BARRIER**  
2000x1100mm  
Galvanized steel
- CYCLE STAND SHEETPILE**  
316 grade stainless steel  
with a brushed polish finish  
H825 x W850mm
- BOLLARD**  
316 grade stainless steel  
1000mm above ground
- TREE GRILL**  
Galvanized mild steel tree grille  
with polyester powder coated finish.  
W1200 x D600mm
- ESTATE RAILING & GATE**  
Galvanized steel with powder coated finish.  
W2300 x H1100mm - Anchor 600mm TBC
- TACTILE PAVING**  
as per SDDC standard
- BOLLARD 1M3**  
1.1 x 1.1 x 0.8
- BOLLARD 0.5M3**  
1.0 x 0.8 x 0.6
- BOLLARD 0.25M**  
0.5 x 0.8 x 0.6

## PLAY EQUIPMENT

- 
- LOG & STEPPING STUMPS**  
 5x stumps de-barked and sanded  
 diam 300 x H600mm  
 2x logs de-barked and sanded  
 L 2000mm
- PLAY EQUIPMENT**
- Small size  
 x 1000mm

Project:  
KISHOGE PART 10 APPLICATION

Applicant name:  
SDCC

Stage:  
PLANNING

DETAILED MASTERPLAN

Scale: 1:100 @ A0

Date: 03/2025

Bernard Seymour Landscape Architect

### The Chapel Building

+00 353 1 8747764