Grafton Street Quarter
Greening & Street Furniture Strategy

BSLA Presentation to Council Members
10.10.16

Dublin City
Baile Átha Cliath

DCC Parks & Landscape Services
05.05.2013 Contract
08.06.2016 Presentation Summary

Bernard Seymour Landscape Architects

lotts architecture and urbanism ltd


Suffolk Street
Wicklow Street
Georges Street
South William Street
Grafton Street
Dawson Street
Molesworth Street
Bank
Library
New Arts Block
Church
Mansion House
Hotel

GSQ GI DIAGRAM

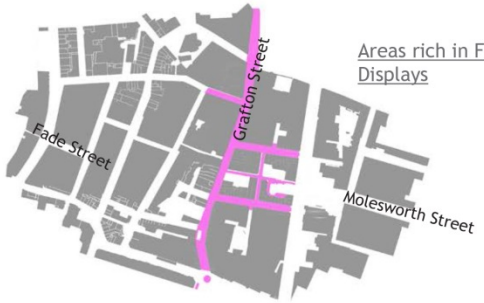
These series of Diagrams show the potential the GSQ has in relation to Green Infrastructure. It shows key strategies in relation to treating the greening as a connected network within the GSQ

KEY

- GI
- Green Walls & Green roofs
- Floral Displays
- Buildings
- GSQ

Connection of GI nodes

Showing the two main GI nodes of Stephen's Green and Trinity College and the importance of the tree planting on Dawson Street and Molesworth Street



Areas rich in Floral Displays

New Tree Network

Connected network of GI rich streets formed by this study

Green Space Factor scales indicating the value of surface types for Green Infrastructure

SURFACE TYPE	
Vegetation on ground	1
Vegetation on trellis or facade	0.7
Green roofs	0.6
Vegetation on podium, soil depth between 200mm and 800mm	0.7
Vegetation on podium, soil depth more than 800mm	0.9
Water surfaces	1
Collection and retention of storm-water	0.2
Draining of sealed surfaces to surrounding vegetation	0.2
Sealed areas	0
Paved areas with open joints	0.2
Surface area covered with gravel or sand	0.4
Tree: stem girth 16-20cm(20m2 for each tree)	20
Tree: stem girth 20-30cm (15m2 or each tree)	15
Tree stem girth more than 30 cm (10m2 for each tree)	10
Single shrub higher than 3m (2m2 for each shrub)	2

PUBLIC REALM SWOT ANALYSIS

Strengths

- Good central location for visitors and workers with attractive neighbouring quarters
- Many different age groups, mix of workers and visitors use the spaces
- Large green resources to the north (Trinity College) and south (St Stephens Green) and good groups of trees (Molesworth Street and Dawson Street)
- Heterogeneous character of the streets throughout the quarter
- Good sense of scale for pedestrians
- Visually attractive and interesting historic structures with a relatively small number of unappealing buildings and neglected sites
- Increasing use of the public space by pedestrians and cyclists as well as outdoor space by restaurants and bars

Weaknesses

- Lack of public and private open space
- Large number of basements and services below street level
- Increasing physical and visual cluttering of streets with traffic sign-age
- Large number of redundant commercial signs and mechanical and electrical services, many of the former do not comply with planning requirements
- Large number of vehicles passing through the area and the continued strong presence of on-street parking
- Large number of delivery vehicles using the street spaces throughout the day
- Need for large numbers of bollards to protect basements from vehicles
- Narrow footpaths in places difficult to accommo-date pedestrians comfortably

Opportunities

- Possibility of greening and planting in tandem with planned developments in the area (e.g. Grafton Street paving)
- Use of building façades for planting (window boxes for fensetrated elevations and green walls for blank façades)
- Possibility to design planting and furniture in unified arrangements
- Opportunity to involve stakeholders in design solutions
- Opportunity to develop new decorative planting schemes tailored to the street spaces that reinforce their individuality
- Possibility of developing a scheme of longer term legacy trees for the area

Threats

- Loss of identity with use of increasing number of generic commercial outlets giving a ‘high-street’ appearance to the public realm
- Loss of identity by use of generic street furniture and planting styles
- Increasing need for bicycle parking
- Piecemeal approaches to managing the appearance of the public realm
- Increase of clutter from traffic and commercial signage

Visualisation of proposed window boxes along Grafton Street

Visualisation of movable planters Type 2 with varying floral displays

Plant Specification

Duke Lane
Small planters at ground level and reuse of existing high-level planters on the buildings

Lemon Street
Large planters & green wall

Visualisation of Movable Planters Type 1 with varying floral displays for Grafton Streeet

Visualisation of corner of Clarendon Street and Clarendon Market

Visualisation of Royal Hibernian Way with revitalised planters

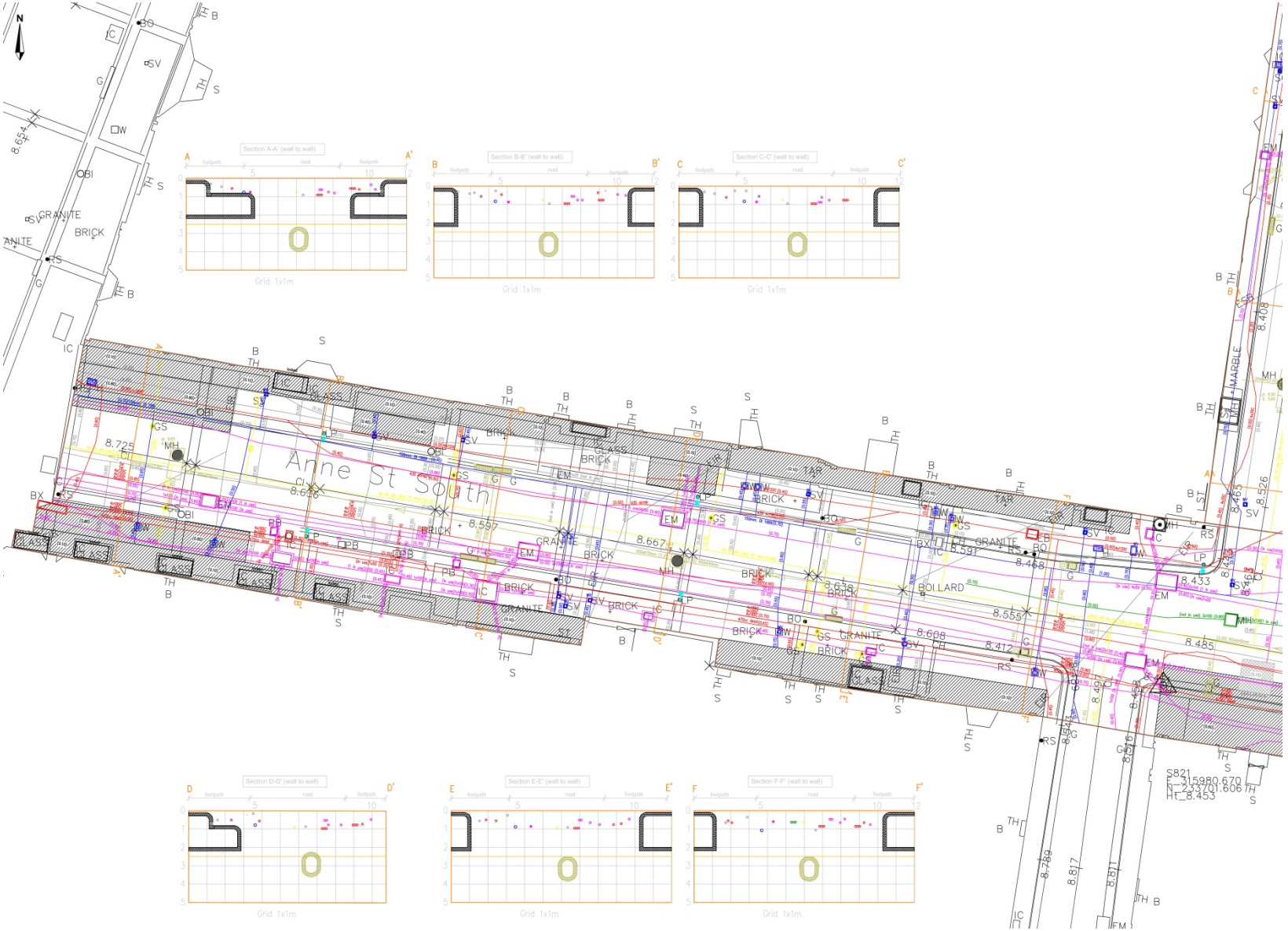
St. Teresa's Convent, Clarendon Street

Visualisation of green wall at Setanta Place from Molesworth Street

Visualisation of corner of South William Street and Chatham Street

Visualisation of corner of South Great George's Street and Dame Lane

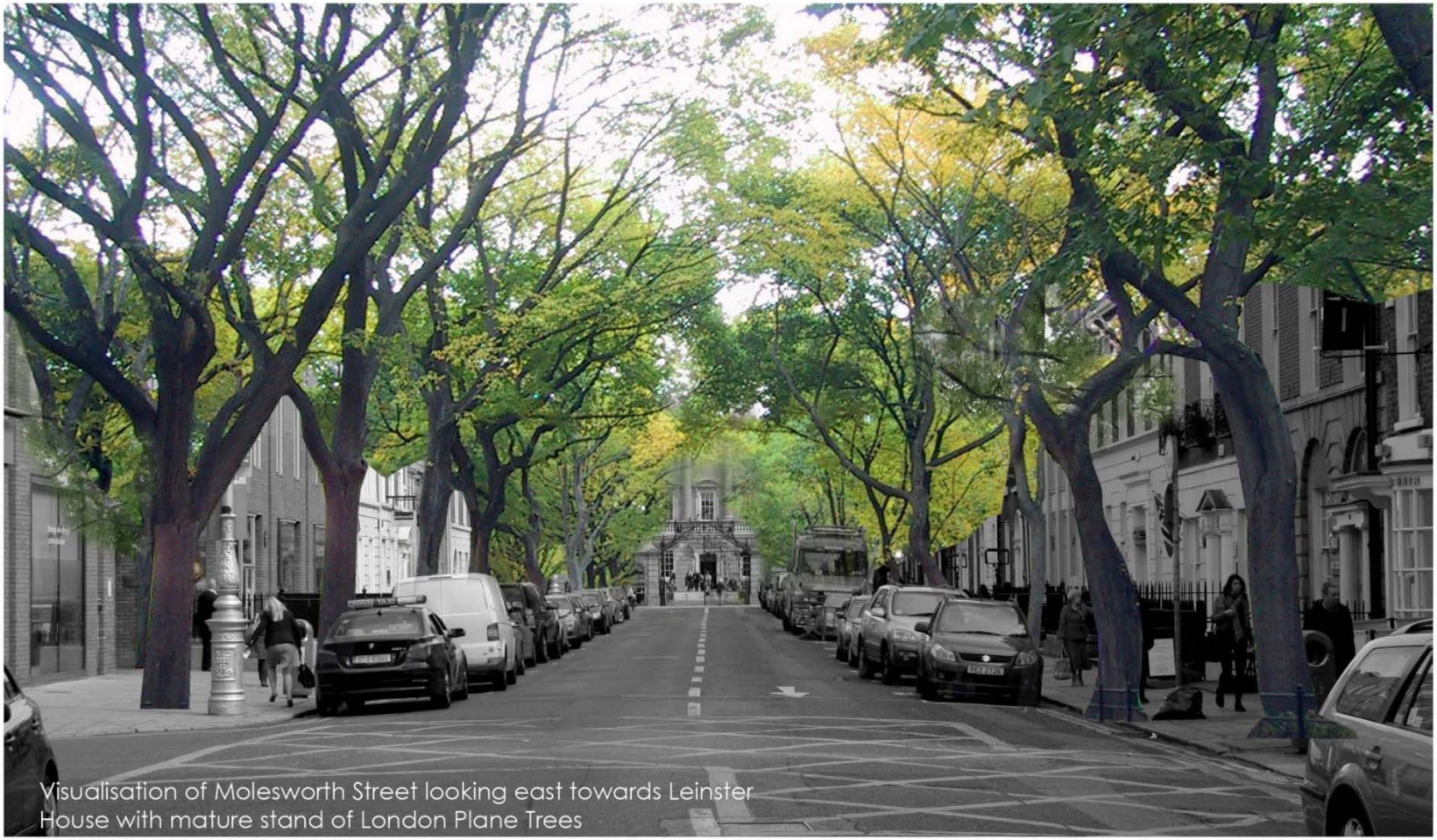
Visualisation of corner of South Great George's Street and Exchequer Street



Dublin City
Baile Átha Cliath

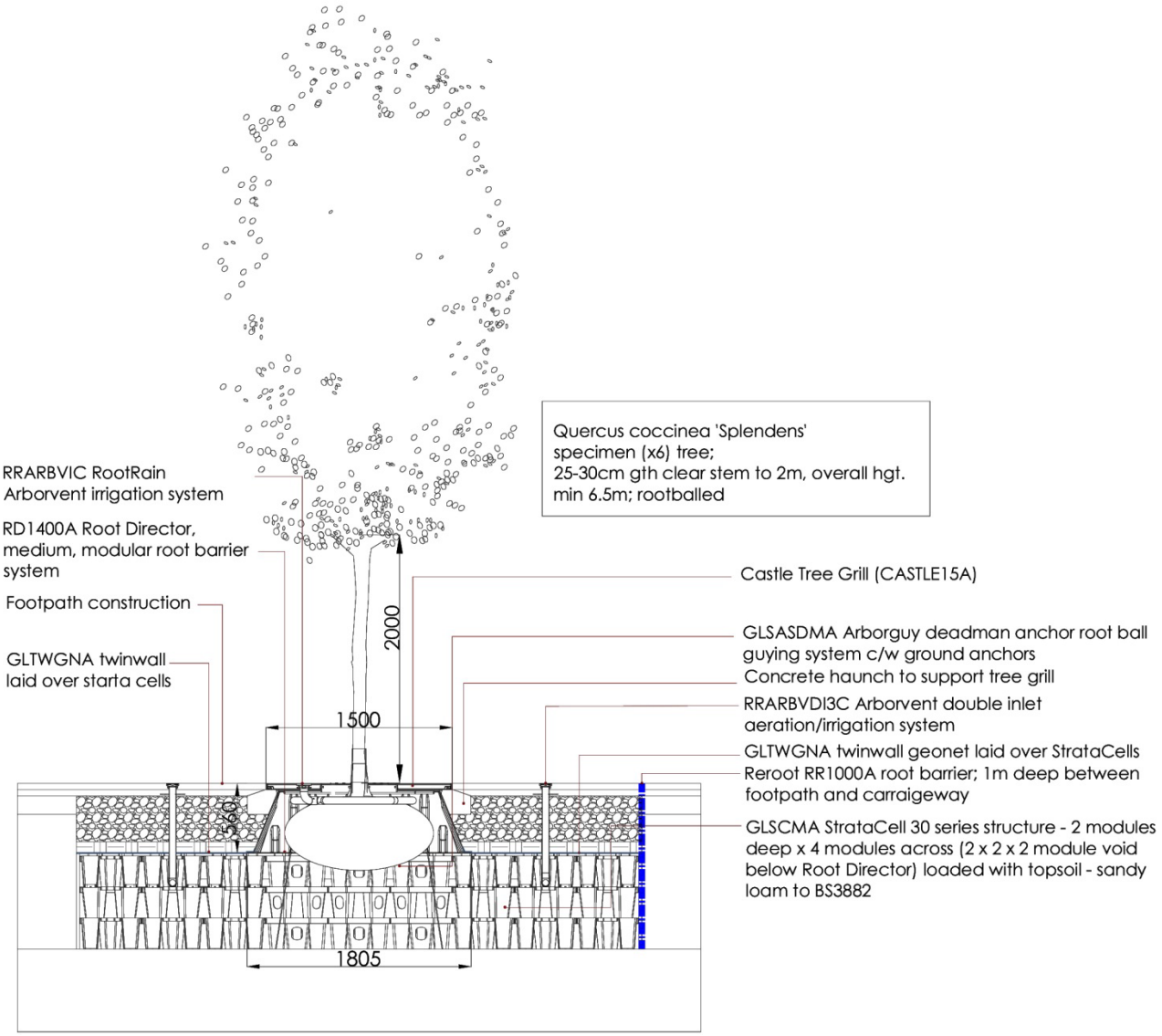
Bernard Seymour Landscape Architects Iotts architecture and urbanism ltd

Visualisation of Molesworth Street looking east towards Leinster House with 10 year old stand of London Plane Trees.

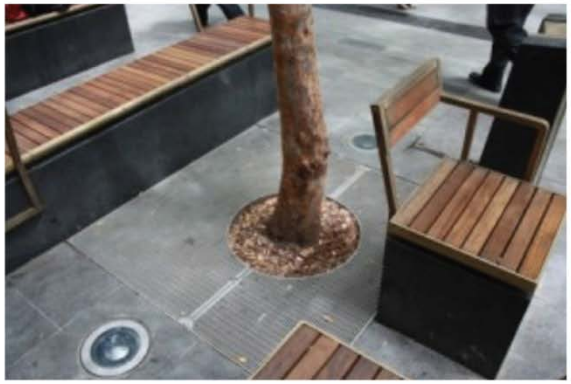


Visualisation of Molesworth Street looking east towards Leinster House with mature stand of London Plane Trees

Visualisation of new enlarged pedestrian walkway at St Andrew's Church.



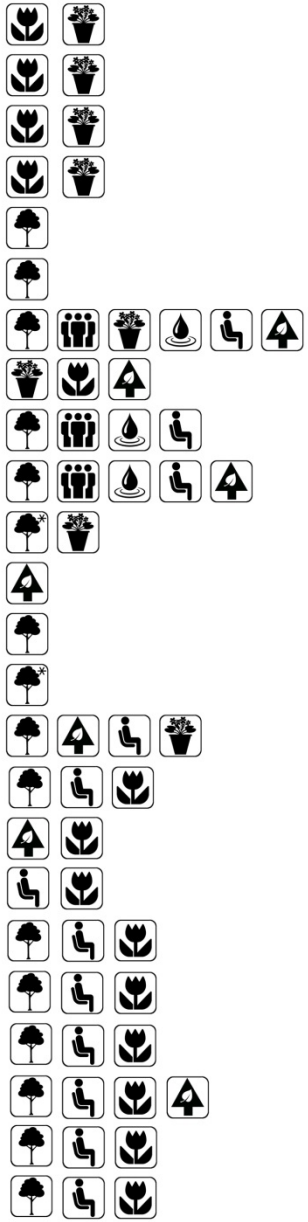
CHATHAM STREET - TREE PLANTING WITH STRATA CELL SYSTEM TYPICAL SECTION




Bamfords

Key Streets within the GI Masterplan

- 1. Grafton Street
- 2. Wicklow Street
- 3. Duke street
- 4. South Anne Street
- 5. Harry Street
- 6. Chatham Street
- 7. Clarendon Place
- 8. St. Teresa's Convent
- 9. St Andrew's Church
- 10. Setanta Place
- 11. Dame Court
- 12. Dame Lane
- 13. Dawson Street
- 14. Molesworth Street
- 15. South Great George
- 16. Duke Street
- 17. Lemon Street
- 18. Anne Street
- 19. Exchequer Street
- 20. Stephen Street
- 21. Johnson Place
- 22. Clarendon Street
- 23. Clarendon Row
- 24. Drury Street



6.0 MODULAR FURNITURE FOR THE GRAFTON STREET QUARTER

F7

6.1 Modular System

This section shows the different types of furniture suggested. This is only one arrangement and there are other configurations using this system.

Benches:

The street furniture is to have a hard wood finish and is to be fixed to the ground. A shadow gap with lighting and sealed copper frame will lighten its appearance.

Frame element:

The frame element enhances the light appearance form of the furniture while also being functional. The frame element integrates bicycle parking and bins, it is back rest for comfort and frames the tree pit.

Streets:

Drury Street:
Bench Type 1
Bench Type 5

Anne Street:
Bench Type 3
Bench Type 4

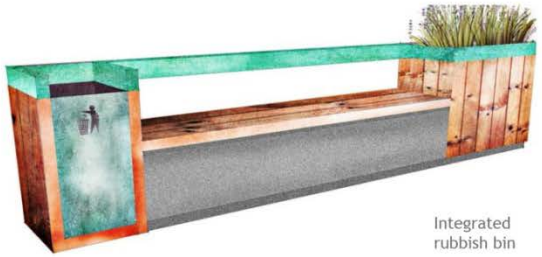
Clarendon Street:
Bench Type 2
Bench Type 3

Wicklow Street:
Bench Type 3
Bench Type 4

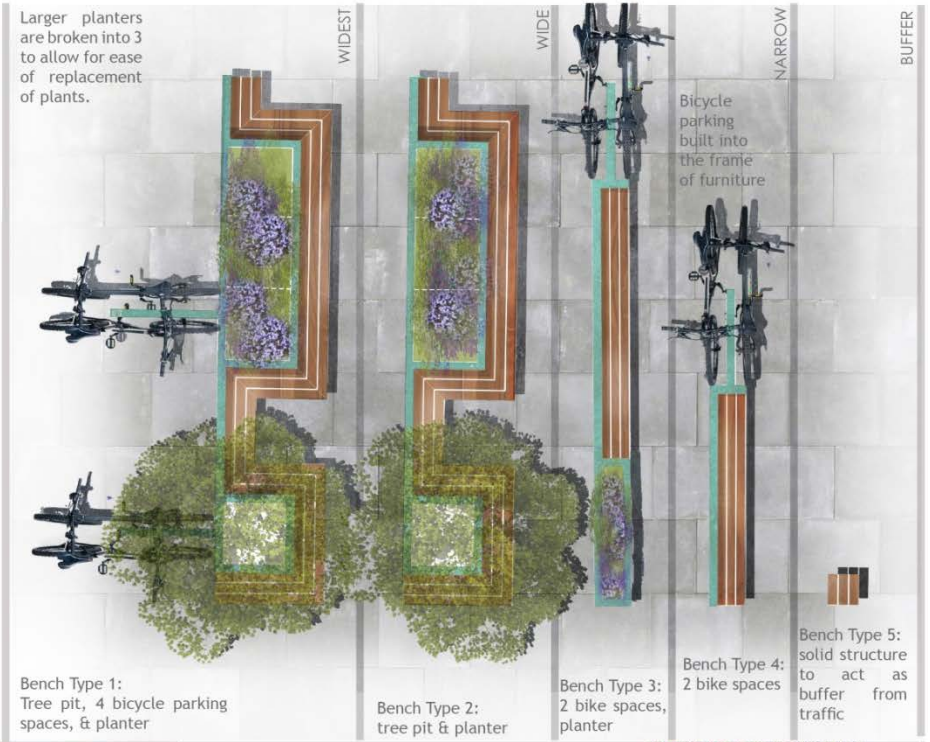
Duke Street:
Bench Type 3

Integration:

Various pieces of street utility such as bins, bicycle parking and floral displays can be integrated into a single cohesive and designed unit



Integrated rubbish bin



Material:
The Benches can be built using either a hard wood base or a stone base. For both materials there should still be a shadow gap to separate the bench from the ground.

Bench Lighting

F7

The aim is to have a consistency in the design of the furniture across Grafton Street Quarter. However to differentiate the streets from one another the lighting colour will vary slightly to allow subtle changes in character for each street.

The colours and differences should be very subtle, simply warmer shades of white.

Uplighters directed up onto the under-foliage of the trees and in the planters. The tree can be in a planter and smaller in size eg. Crab apple or in-ground if services permit eg. Liquidambar.