

















Political Context: European Landscape Convention







European Landscape Convention

The first aim of the European Landscape Convention is to encourage States to introduce a national landscape policy that is not restricted to the protection of exceptional landscapes but also takes everyday landscapes into consideration.











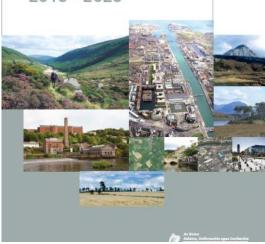


Political Context: National Landscape Strategy

Research (RE)

National Landscape Strategy for Ireland

2015 - 2025

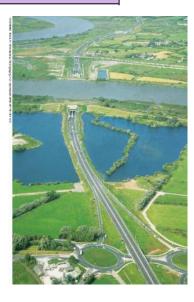


National Landscape Strategy for Ireland

2015 - 2025

The Irish Government ratified the European Landscape Convention in 2004.





The objectives of the **National Landscape Strategy** are to:

- •implement the European Landscape Convention by integrating landscape into our approach to sustainable development;
- •establish and embed a public process of gathering, sharing and interpreting scientific, technical and cultural information in order to carry out evidence-based identification and description of the character, resources and processes of the landscape;

A key action is the development of a **National Landscape Character map.**





Research(RE). Landscape Character Assessment Mapping

Research (RE)

Landscape Observatory of Ireland



TII

Project management of the Development of A National Landscape Character Map

To be used as part of the Project Appraisal balance Sheet PABS for TII







Research(RE). Transitions Zones from Highway to local road and home zones

Research (RE) 7. Research



Deliverables

Review Research programme and provide landscape centred research in order to apply them throughout the Project Management of linear infrastructure and in general.

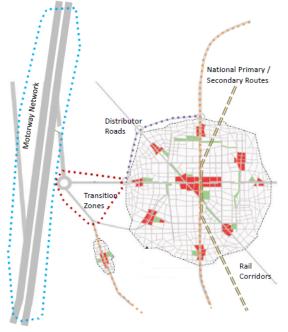
- Integration of the infrastructure within the landscape (rural, urban and peri urban).
- Working with International Partners in both the academic and professional practice spheres.
- Green and Blue Infrastructure
- best practice for invasive species management
- etc

Indigenous Ecosystem Corridors and Nodes Turning the IOEC+N Idea into Practical Global Reality





Research(RE) Design Manual for Urban Roads and Streets (DMURS)



TII Transport Landscape Typologies

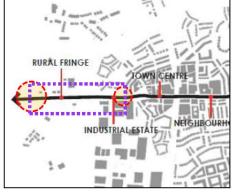
- 1) Motorway Network
- National Primary and Secondary Routes through both rural and town and roadside villages
- 3) Distributor Roads/Roundabouts
- Transition areas between route types often gateways to settlements
- 5) Light Rail Corridors

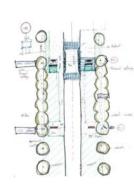
Context sample analysis

Apply context checklist to define transition zone





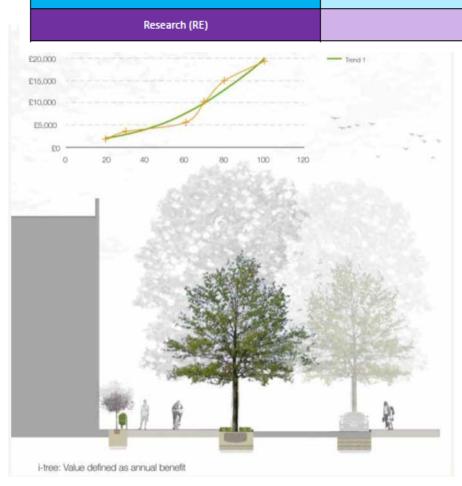








Research(RE) Green Infrastructure



Source - Trees in Hard Landscape a Guide to Delivery by the Trees and Design Action Group (TDAG)

http://www.tdag.org.uk/

The 'Green Infrastructure' concept can be defined as

'an interconnected network of green space that conserves natural ecosystem values and functions and provides associated benefits to human populations'.

Recommend that the overall tree asset along all infrastructure requires evaluation under the <u>i-tree system</u> to demonstrate their carbon/health benefitsand for their safety, risk, management.....





Taking account of visibility and risk



Pillar Activities and part of the PMG. Design (DE)

Research (RE)

Gap Analysis including

Review of UK and European Guidance in order to produce a

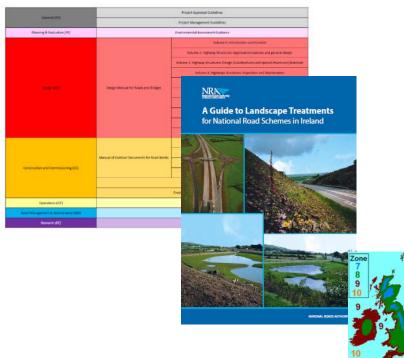
DMRB, Volume 10
Environmental Design
Being rewritten by Highways England
And we will of course review European and international standards

Scope analysis and development of a work package. Due or internal review in December 2016. To be complete in first draft by end 2017.

Both a standard and a specification for landscape works from concept through construction and operation

Landscape Standards Review
Roads and associated infrastructure

Light Rail – LUAS Cross City Design Strategy







Research(RE) Towards a Vol. 10 DMRB. Environmental Design and Management.

Research (RE)

Working towards a

Vol 10 . DMRB

Environmental Design and Management

and a

Landscape Quality Management System

(LQMS)



Need for a review and development of a Landscape Quality Management System to ensure landscape works from concept to realisation are ensured through the adoption of the LQMS.

Project linked to European and National State Agencies and professional Bodies















LCC (Tram Line BXD) -Landscape Strategy



Landscape Architects:

Tony Williams and Eimear Fox. (TII) Laura Flynn (RPA) Fergal Parlon – (Brady, Shipman, Martin)

Within the Architects team of TII
Architects
Anne Kiernan, Sarah O Donnell, Ruaidhrí Van Vuuren
And colleagues.

The work on designing and rebuilding streets was possible through multidisciplinary design and planning and not without incident......

And the engineering design and site team





Proposed Trees – Construction based on designscience and engineering......

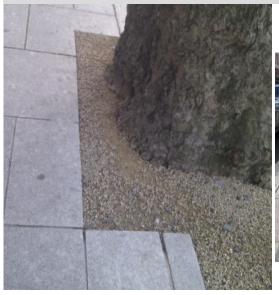


Street reconstruction and hard landscape and Tree Management





Reinstatement -Hard Landscape – and soft.....









Criminal Courts— successfully retained London Planes with bound gravel detail in highly trafficked areas

LCC (BXD)

Hard Landscape - Surfacing





Retained and Proposed Trees – Maintenance Requirements – Overhead Line Electrification (OHLE)

Need to oversail the OHLE and issues of risk assessment, the management of a natural asset within an engineering environment

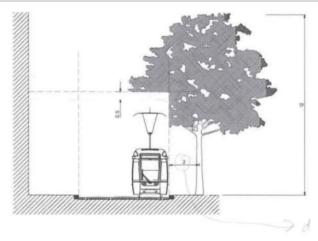


Fig.3 - OCS AND SWEPT PATH CLEARANCES TO MATURE TREES IN SECTION

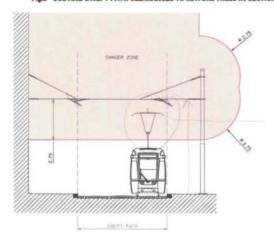


Fig.1 - OCS DANGER ZONE - PERMIT REQUIRED TO WORK





Top and bottom image: Winter and spring along the Cours de la Liberté's avenue of trees in Lyon, France. Image: Anne Jaluzot (winter) and Sophie Barthelet (spring)



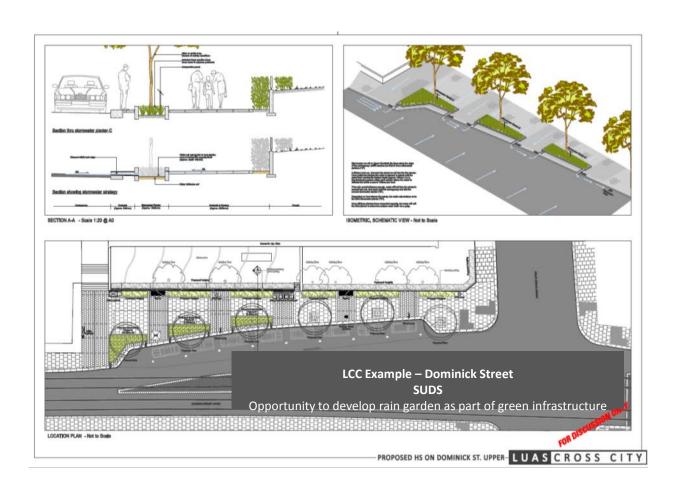






Proposed Trees – Sustainable Urban Drainage Systems –

Design under construction



Should extend to the hard landscape and use of porous paving

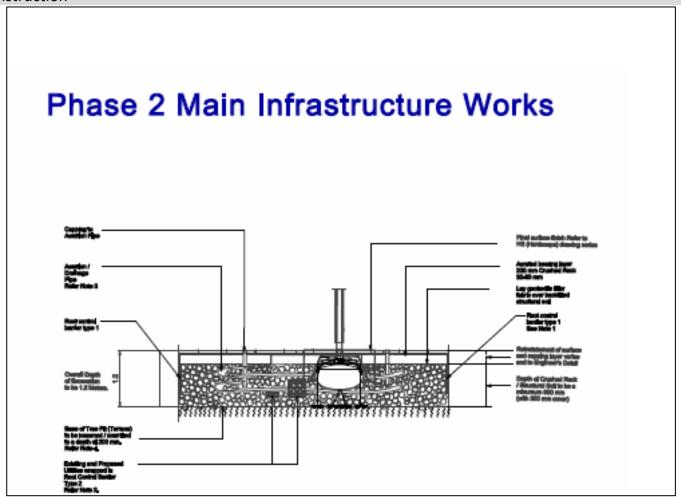
Perhaps as a way of reducing the effects of more severe weather events (300 year storm design)





Urban Design Strategy

Tree Pit Construction



Landscape Architect : Tony Williams

Contractor: Sisk Steconfer J.V.

Arborist : Felim Sheridan

Arborist : John Morgan

Ecologist : Colin Wilson

Landscape Architect : Fergal Parlon





Urban Design Strategy

Tree Pit Construction

Utilities incorporated at Design Stage

Examples of O Connell Street Tree Pit Construction.

Pre Planting







Urban Design Strategy

Construction Stage – Examples of International Urban Tree Projects

From Nursery to site



http://www.vdberk.co.uk/references
Athletes Village (now East Village)
Photography by David Rowley







Go Raibh Maith Agaibh Thank you









