



LEVEL NOTES
EX+ Existing Level
TL+ Top of Landscape Finish
TP+ Top of Paving
TC+ Top of Coping
TW+ Top of Walls
TE+ Top of Edging

NUMERICAL KEY

- LOUGH ATALIA WALK WITHIN DEFINED PUBLIC OPEN SPACE IN LONG TERM MATERIALS**
Lough Atalia Walk in long term materials, i.e. resin-bonded gravel as a warm material of natural appearance appropriate to coastal setting. The pedestrian/cycle shared surface widens to up to 6m at certain locations along Lough Atalia Walk. Flowering shrubs and perennial planting beds and feature trees are strategically placed along Lough Atalia Walk to enhance visual amenity. Benches are positioned with south-oriented views and planted backdrop to allow seating/gathering opportunities along Lough Atalia Walk. Large semi-mature Scots pine trees act as beacons and focal points along Lough Atalia Walk route. Part M/ Part K compliant fall protection railing is proposed to full extent of the open and accessible Lough Atalia Walk.
- PEDESTRIAN & CYCLE ROUTE**
- BUFFER PLANTING TO BLOCK C & D EASTERN ELEVATION**
Min. 1.5m buffer planting of native flowering shrubs and perennials to building elevation to provide privacy to units and private terraces. Native clear-stemmed and multi-stemmed trees are specified to the buffer planting area to enhance visual amenity.
- WILDFLOWER MEADOW TO CONTINUED LOUGH ATALIA WALK EAST TO BLOCK D**
Low maintenance native wildflower meadow with high biodiversity.
- FALL PROTECTION RAILING TO LOUGH ATALIA WALK**
1.1m height. Low profile galvanised and painted mild steel fall protection railing. 50mm flat top and bottom with 15/20mm rounded vertical bar to Part M/Part K compliance.
- URBAN SQAURE**
An urban square with small open lawn is situated adjacent to Lough Atalia Walk between Block C & D. The square features a long sculptural seat bench with south-oriented views and open view to Lough Atalia. It acts as a nodal point that connects the Lough Atalia Walk to Lough Atalia Road and wider site context.
- CENTRAL GATHERING PLAZA**
Large area of multi-functional central gathering space between Block A & C with open views to Lough Atalia. A selection of contrasting paving materials including exposed aggregate concrete strips and high quality modular paving to enhance dynamics and vibrancy to the area. A large open sun lawn is situated north of the plaza surrounded by two sets of long dual-aspect sculptural benches to provide a high quality resting/gathering space within public open space.
- VIEWING TERRACE**
The two-step viewing terrace with open views to Lough Atalia addresses the level change between Central Gathering Plaza and Lough Atalia Walk and functions as a dynamic and multi-functional gathering area set within public open space.
- UNIVERSAL ACCESS TO CENTRAL GATHERING PLAZA**
Part M compliant 1:21 gradient gently sloped access is provided along Lough Atalia Walk to address level change between Lough Atalia Walk and Central Gathering Plaza and allow universal access to the plaza. The gently sloped access is nested within ornamental planting bed to allow people to walk through landscape. Additionally, 2 sets of Part M compliant stepped access are provided at either end of the plaza as connection to Lough Atalia Walk.
- HARBOUR POINT TERRACE**
Approx. 1.2m above ground terraced viewing platform to Block A southern elevation along southern approach to Lough Atalia Walk as a lookout point to Lough Atalia and Galway Bay.
- BLOCK A UPPER WALKWAY**
Upper walkway along Block A eastern elevation connecting Harbour Point Terrace to Upper Walkway Entrance Plaza along northeastern site boundary. Part M/Part K compliant fall protection railing is proposed along the full extent of upper walkway. 3 sets of Part M compliant stepped access to provide access from the Lower Pedestrian Footpath to the upper walkway.
- LOWER PEDESTRIAN WALKWAY ALONG EASTERN BOUNDARY**
Min. 1.8m width pedestrian walkway along access road to provide access. Raised planting beds with native ornamental shrubs and perennial planting, native columnar trees and multi-stemmed trees to screen the retaining wall of Upper Walkway. Benches strategically allocated along the raised planter to allow sitting/resting opportunities on approach to Lough Atalia Walk.
- GENTLY SLOPED ACCESS AND STEPPED ACCESS TO BLOCK A UPPER WALKWAY**
Part M compliant 1:21 gradient gently sloped access along eastern site boundary to connect Lower Pedestrian Walkway to Upper Walkway and Entrance Plaza.
- ENTRANCE PLAZA**
Entrance Plaza with south-oriented sculptural seat bench nested in flowering shrub and perennial planting bed.

NOTES

TREE PLANTING

Clear-stemmed Trees:

- Ag** *Alnus glutinosa* - Alder
Bp *Betula pubescens* - Downey birch
Pt *Populus tremula* 'Erecta' - Aspen 'Erecta'
Psy *Pinus sylvestris* - Scots pine
Qr *Quercus robur* - English oak
Sa *Sorbus aucuparia* - Mountain Ash

Multi-Stemmed Trees (to 2-3m ht):

- Au** *Arbutus unedo* - Strawberry Tree
Ca *Corylus avellana* - Hazel
Cm *Crataegus monogyna* - Hawthorn
Lv *Ligustrum vulgare* - Wild privet
Ps *Prunus spinosa* - Blackthorn
Vo *Viburnum opulus* - Guelder rose

PLANTING BED

- P1** Flowering Perennial/Shrub Mix
P2 Shade Tolerant Perennial Mix
P3 Taller Flowering Perennial Mix
P4 Native Groundcover Mix
M1 Native Wildflower Meadow (1-2 cut per annum)
GL Grass Lawn
H1 Native Hedgerow
GW Green Wall with Climbing Plants

15. TEENAGE PLAY AREA AND GATHERING HUB

The proposed 5.28x7.33m basketball court located north to Block A provides opportunities for teenage players to engage in 1-on-1 basketball or other sports activities. Flexible wooden cube seating are also provided around the Gathering Hub.

16. PEDESTRIAN WALKWAY TO BLOCK B

Pedestrian walkway along Block B northern elevation adjacent to parking bays. SUDS tree pits are proposed along the walkway to reduce surface water runoff.

17. CAR PARK

18. BLOCK D ENTRANCE PLAZA

The entrance plaza features flowering shrubs and ornamental planting beds with feature clear-stemmed and multi-stemmed trees. The soft landscape is designed to screen views from car park and enhance visual amenity of the plaza

19. COMMUNAL GARDEN D1 (BLOCK D NORTH/NORTHWESTERN ELEVATION)

The approx. 470m2 secured communal garden to Block D northern elevation provides high quality gathering/resting space for residents. It is nested within an attractive ornamental planting backdrop that screen views from the car park.

20. NATURE BASED PLAY AREA (ALL AGES)

21. COMMUNAL GARDEN C1 (BLOCK C NORTHEASTERN ELEVATION)

The approx. 270m2 secured communal garden features long sculptural seat bench and a hard-paved plaza to allow resting/gathering opportunities.

22. COMMUNAL OPEN SPACE WITHIN BLOCK B & C

The communal garden situated along southern elevation of Block C is designed within the approx. 1053m2 secured communal open space between Block B & C provides high quality gathering space for residents. It includes a gathering plaza with south-oriented sculptural seating and a large area of open lawn. The communal garden is secured and separated from Central Gathering Plaza within public open space by fence and a tall native flowering buffer planting.

23. OPEN LAWN WITHIN COMMUNAL OPEN SPACE BLOCK B & C

A large area of multi-purpose open sun lawn is provided outside of Block B.

24. CRECHE PLAY AREA

An approx. 85m2 play area is designated as play area outside of the creche in Block B, secured with fence and native hedgerow to provide privacy.

25. COMMUNAL OPEN SPACE (BLOCK A)

The approx. 385m2 secured communal open space along Block A eastern elevation provides high quality play and gathering space for residents. It features an approx. 200m2 nature-based play area for older children and an open sun lawn and communal garden with long bench seating nested within tall flowering shrubs and perennial planting beds. The communal open space is secured, fenced or planted with native hedgerow screening to increase privacy and security.

26 NATURE-BASED PLAY AREA (FOR TODDLERS)

An approx. 85m2 play area for toddlers is provided within Block B & C communal open space. A play strategy has been developed based on the guiding principle of sustainability, re-use, connection to nature and the utilisation of found or locally sourced materials for play.

27 NATURE-BASED PLAY AREA FOR OLDER CHILDREN

An approx. 200m2 play area for older children is provided within Block A communal pen space.

**356 UNITS
OPEN SPACE CALCULATION**

PUBLIC OPEN SPACE (POS):
Total: 3,334 + 468 = **3,802m²**
(Required: 2,431m²)

COMMUNAL OPEN SPACE (COS):
Total: 388 + 1,053 + 270 + 470 = **2,181m²**
(Required: 2,144m²)

BIKE PARKING

Total no. of visitor bike parking spaces: 186
(93 no. Sheffield bike stands)
(Required: 186)

Total no. of secure covered residential bike parking spaces in external landscape area: 274
(Required: 274)

SPECIFICATION KEY

	PAVING: EXPOSED AGGREGATE CONCRETE FINISH <ul style="list-style-type: none">Aggregate: rounded river washed gravel, size maximum 10 and 20 PCG, coarse recycled aggregate not permitted.Cement: CemIII/A by Irish Cement and "GGBS" by Ecomer or equivalentAdmixtures: "Adva 411 HRWRA", "VMar5 VMA" by Grace Construction Products & "150-12 Fibrenest" by Curtis Enterprises or equivalentAdditional mix requirements: "Pieri VBA Bio 2" or equivalent vegetable based surface retarder and curing agent fortortextured concrete landscapingSlab thickness: 150 mm C40 concrete lay to 1:50 crossfallFinish: Exposed aggregate surfacing
	PAVING: HIGH QUALITY NATURAL STONE/GRANITE PAVING <ul style="list-style-type: none">High quality natural stone/granite modular paving in silver grey/golden colourDimension the: 60mm thick to pedestrian specification, 80mm thick to vehicular specifications.Jointing: 8-10mm joints to paving units (defined by plastic spacers SubSFSLOW by Resigap Ltd, or equivalent) to be filled with 2-6mm sharp grit jointing material for permeable paving to BS 7533-101:2021, single colour light grey/dark greyBedding: 30-50mm depth 2-6mm grit identical to jointing grit. Laying course in the unbound system should be water permeable and free drainingAccessories: Plastic spacers SubSFSLOW by Resigap Ltd (Ref. Q25/355)Sub-base: Free-draining sub-base to Engineers detail and specificationApply two coats of clear wet look sealer to prevent staining. Product ref: Paving sealer by WEISS or equivalent
	PAVING: PROPRIETARY GOLDEN RESIN BOUND GRAVEL PAVING <ul style="list-style-type: none">Surface course:<ul style="list-style-type: none">Product ref: DekorGrip/adadest resin bound aggregate surfacing by DekorGrip/Adadag or equivalentSlip/ skid resistance: PTV to BS 7976 of 49 (water) wetBinder: Clear coloured liquid resin, two-part chemically curing, UV stable, flexible crystal clear resinAggregate Size: Evenly graded 6-10mm to be approved by supplierColour: light brown, samples to be provided for approvalDepth: 22mm permeable resin bound gravelBase course: 60mm depth of porous asphaltGranular sub-base: 200mm minimum depth of well compacted Type 3 permeable open graded granular sub-base to SHW clause 805 / Type C open graded granular sub base to the Specification for Road Works (SPW) Clause 805 or 4/40.4/20 coarse graded aggregate aggregate to BS EN 12620 and BS EN 13242. Free-draining granular sub-base in well compacted layers
	PAVING: WET POUR IMPACT ABSORBING IN SITU SYNTHETIC SURFACING <ul style="list-style-type: none">Surface course: Wet pour, in situ laid polyurethane bonded EPDM rubber crumb surface to BS 7188Wet Pour Rubber Surfacing 'Base Course' or 'Shock Pad' is manufactured from 100% recycled SBR (Styrene Butadiene Rubber) rubber crumb which is mixed with polyurethane resin binderColour: tbc. Thickness: 40mm
	PAVING: RESIN-BONDED GRAVEL TO LOUGH ATALIA WALK <ul style="list-style-type: none">Long term material specified within defined Public Open Space (POS)Resin-bonded gravel as used at Dublin Docklands Greenway as a warm material of natural appearance appropriate to coastal setting
	RITTER GRASS FOR FIRE TENDER ACCESS
	RUBBER SAFETY MATTING GRASS REINFORCEMENT <ul style="list-style-type: none">System to be suitable for a 3m critical fall height, tested to be en 1177:1998 3 metre critical fall heightProduct reference: Safegrass/rubber safety mat" by terram or equivalentmoulded non-slip cellular structure for use on grass lawn surfaceQ30/400 - Installed on roll out turfgrass instant lawn 'Ornamental Grade Lawnturf' by Summerhill Lawns to Q28/120A - 150 mm depth modified topsoil (Product ref: Enrich Perma-roof Mix (Type ENR2) manufactured topsoil, or equivalent)
	PLANTING: GRASS LAWN <ul style="list-style-type: none">Excavate lawn areas to 150mm depth & break up base of area to ensure free drainage.Backfill with min. 150mm depth modified topsoil to BS3882 to lawn area (Product ref: Enrich Perma-roof Mix (Type ENR2) manufactured topsoil or equivalent) on a free-draining sub-baseSeed with low maintenance hard-wearing non-ryegrass amenity grass seed mix at 25g per m², suitable for play.
	PLANTING: LOW MAINTENANCE NATIVE WILDFLOWER MEADOW <ul style="list-style-type: none">Native low maintenance meadow grassland (Cut 1-2 cut per annum)
	PLANTING: SHRUBS/ PERENNIALS/ GROUND COVER <ul style="list-style-type: none">Flowering/shade or drought-tolerant nectar and pollen rich ornamental shrubs/perennial/groundcover plantingPlanting to 400-600mm depth BS3882 multi-purpose topsoil on free-draining sub-base, topped with 90g/m² black landscape fabric and 75mm depth medium-grade pine bark mulch
	NATIVE HEDGEROWS <ul style="list-style-type: none">Planting to 600mm depth BS3882 multi-purpose topsoil on free-draining sub-base, topped 75mm depth medium-grade pine bark mulchOrnamental perennial planting to comprise ornamental grasses & flowering perennials to soften the visual impact of the development
	PLANTING: CLEAR-STEMMED SEMI-MATURE TREES <ul style="list-style-type: none">Semi-mature native species provided with 1200mm² modified topsoil to BS:3882 (Product ref: Enrich Perma-roof Mx (Type ENR2) manufactured topsoil or equivalent) on free-draining sub-base, topped with black 90g/m² landscape fabric secured with plastic pegs at 300mm c/c & 75mm depth medium-grade bark mulch.Trees double- staked & supplied with planting accessories, and provided with root restrictors within 2m of paving, underground services and foundations.
	PLANTING: MULTI-STEMMED TREES <ul style="list-style-type: none">Semi-mature native species provided with 1200mm² modified topsoil to BS:3882 (Product ref: Enrich Perma-roof Mx (Type ENR2) manufactured topsoil or equivalent) on free-draining sub-base, topped with black 90g/m² landscape fabric secured with plastic pegs at 300mm c/c & 75mm depth medium-grade bark mulch.Trees double- staked & supplied with planting accessories, and provided with root restrictors within 2m of paving, underground services and foundations.
	SEATING: SCULPTURAL SEAT BENCH <ul style="list-style-type: none">Sculptural bench in white/pearl coloured concrete with polished finish/ slated timberLighting: Underside of sculptural bench with flexible durable linear LED Strip to full length of bench. Lighting design and detail to Lighting specialist specifications.
	SEATING: WOODEN CUBE SEATING <ul style="list-style-type: none">450(L)x450(W)x450(H)mm wooden cube seating in approved Iroko hardwood
	CYCLE STAND (93 no. cycle stands / 186 no. cycle parking space) <ul style="list-style-type: none">870x650mm, 70mm Ø CHS section, of min 4mm thick satin finish AISI 316 Grade stainless steel bent at R140mm to form 'Sheffield' style cycle racks200x200x10mm AISI 316 Grade stainless steel base plate, bolt-fixed to C20P concrete foundations
	FALCO TWO TIER STAND (274 no. cycle parking space) <ul style="list-style-type: none">FALCOLEVEL PREMIUM+ Two-Tier Cycle ParkingSingle Sided

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Project: Galway Port LRD

Title: Landscape Master Plan

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