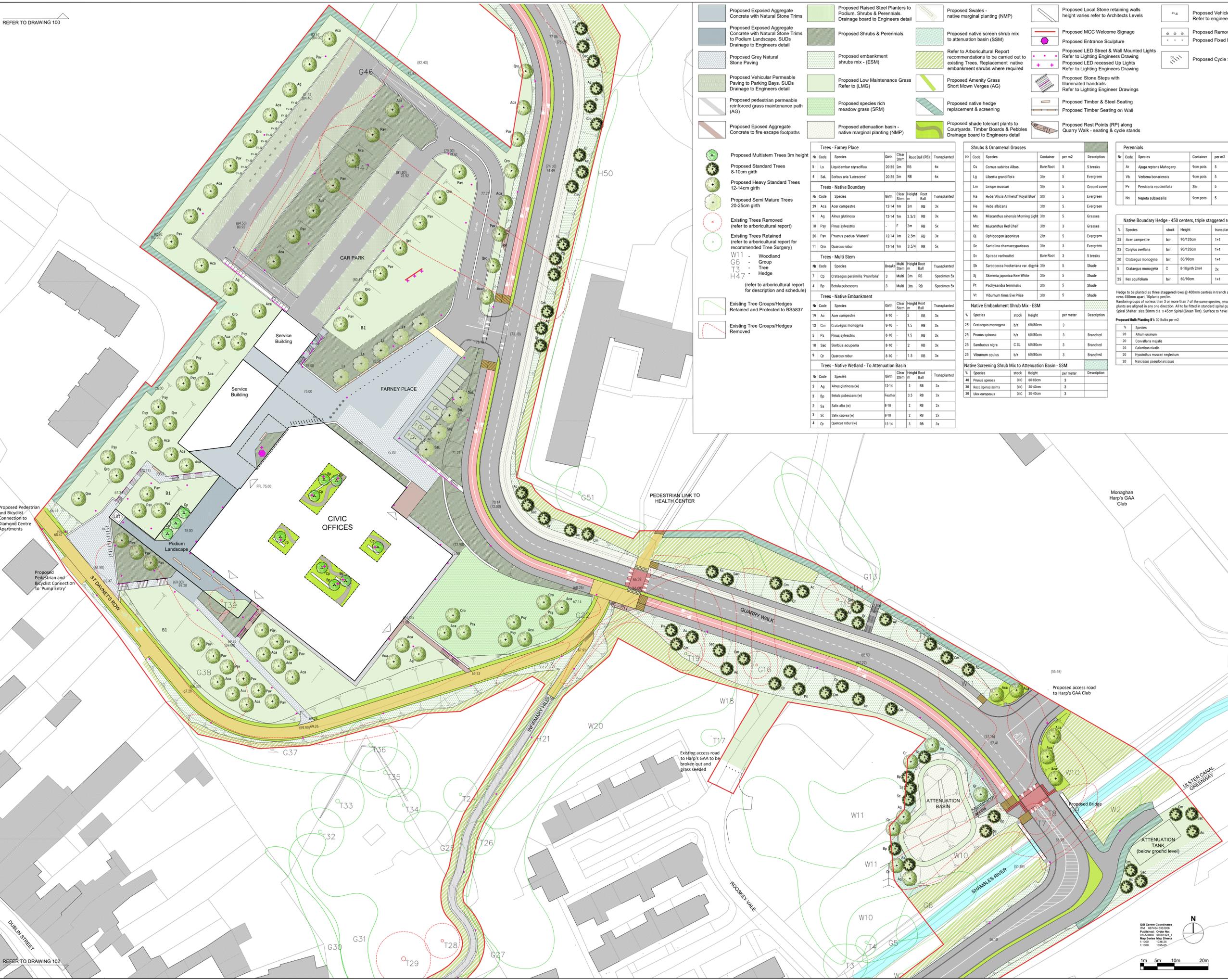


REFER TO DRAWING 100

REFER TO DRAWING 102



Proposed Exposed Aggregate Concrete with Natural Stone Trims to Podium Landscape, SUDs Drainage to Engineers detail

Proposed Grey Natural Stone Paving

Proposed Vehicular Permeable Paving to Parking Bays, SUDs Drainage to Engineers detail

Proposed pedestrian permeable reinforced grass maintenance path (AG)

Proposed Exposed Aggregate Concrete to fire escape footpaths

Proposed Raised Steel Planters to Podium, Shrubs & Perennials. Drainage board to Engineers detail

Proposed Shrubs & Perennials

Proposed embankment shrubs mix - (ESM)

Proposed Low Maintenance Grass Refer to (LMG)

Proposed species rich meadow grass (SRM)

Proposed attenuation basin - native marginal planting (NMP)

Proposed Swales - native marginal planting (NMP)

Proposed native screen shrub mix to attenuation basin (SSM)

Refer to Arboricultural Report recommendations to be carried out to existing Trees. Replacement native embankment shrubs where required

Proposed amenity Grass (Short Mown Verges) (AG)

Proposed native hedge replacement & screening

Proposed shade tolerant plants to Courtyards, Timber Boards & Pebbles Drainage board to Engineers detail

Proposed Local Stone retaining walls height varies refer to Architects Levels

Proposed Entrance Sculpture

Proposed LED Street & Wall Mounted Lights Refer to Lighting Engineers Drawing

Proposed LED recessed Up Lights Refer to Lighting Engineers Drawing

Proposed Stone Steps with Illuminated handrails Refer to Lighting Engineer Drawings

Proposed Timber & Steel Seating

Proposed Timber Seating on Wall

Proposed Rest Points (RP) along Quarry Walk - seating & cycle stands

Proposed Vehicle Charging Point. Refer to engineers detail.

Proposed Removable Bollards

Proposed Fixed Bollards

Proposed Cycle Stands

Proposed Asphalt with coloured chippings

Proposed Pedestrian Asphalt Footpaths

Proposed dedicated Cycle Route with coloured surface

Proposed Tactile Paving refer to Engineers Layout

Infirmary Hill Footpath Widened to 2.5m & Resurfaced

Trees - Farney Place

Nr	Code	Species	Grith	Clear Stem	Height m	Root Ball (RB)	Transplanted
5	Ls	Liquidambar styraciflua	20-25	2m	RB	6x	
4	Sal	Sorbus aria 'Lutescens'	20-25	2m	RB	6x	

Trees - Native Boundary

Nr	Code	Species	Grith	Clear Stem	Height m	Root Ball	Transplanted
39	Aca	Acer campestre	12-14	1m	3m	RB	3x
9	Ag	Alnus glutinosa	12-14	1m	2.5/3	RB	3x
10	Psy	Pinus sylvestris	-	F	3m	RB	5x
26	Pav	Prunus padus 'Water'	12-14	1m	2.5m	RB	3x
11	Qro	Quercus robur	12-14	1m	3.5/4	RB	5x

Trees - Multi Stem

Nr	Code	Species	Brea Multi Stem	Height m	Root Ball	Transplanted
7	Qp	Crataegus persimilis 'Prunifolia'	3	3m	RB	Specimen 5x
4	Bp	Betula pubescens	3	3m	RB	Specimen 5x

Trees - Native Embankment

Nr	Code	Species	Grith	Clear Stem	Height m	Root Ball	Transplanted
19	Ac	Acer campestre	8-10	-	2	RB	3x
13	Om	Crataegus monogyna	8-10	-	1.5	RB	3x
5	Ps	Pinus sylvestris	8-10	-	1.5	RB	3x
10	So	Sorbus aucuparia	8-10	-	2	RB	3x
9	Qr	Quercus robur	8-10	-	1.5	RB	3x

Trees - Native Wetland - To Attenuation Basin

Nr	Code	Species	Grith	Clear Stem	Height m	Root Ball	Transplanted
3	Ag	Alnus glutinosa (w)	12-14	-	3	RB	3x
3	Bp	Betula pubescens (w)	Feather	-	3.5	RB	3x
2	Sal	Salix alba (w)	8-10	-	2	RB	2x
3	Sc	Salix caprea (w)	8-10	-	2	RB	2x
4	Qr	Quercus robur (w)	12-14	-	3	RB	3x

Shrubs & Ornamental Grasses

Nr	Code	Species	Container	per m2	Description
Cs	Cornus sibirica	Albus	Bare Root	5	5 breaks
Lg	Liberia grandiflora		3ltr	5	Evergreen
Lm	Limonium muscari		3ltr	5	Ground cover
Ha	Hebe 'Alice Annet'	'Royal Blue'	3ltr	5	Evergreen
He	Hebe albicans		3ltr	5	Evergreen
Ms	Miscanthus sinensis Morning Light		3ltr	5	Grasses
Msc	Miscanthus Red Chief		3ltr	3	Grasses
Qj	Ophiopogon japonicus		3ltr	5	Evergreen
Sc	Santolina chamaecyparissus		3ltr	3	Evergreen
Sv	Spiraea vanhouttei		Bare Root	3	5 breaks
Sb	Sarcococca hookeriana var. digyna		3ltr	5	Shade
Sj	Skimmia japonica Kew White		3ltr	5	Shade
Pt	Pachyandra terminalis		3ltr	5	Shade
Vt	Viburnum tinus Eve Price		3ltr	5	Shade

Native Embankment Shrub Mix - ESM

% Species	stock	Height	per meter	Description
25	Crataegus monogyna	b/r	60/80cm	3
25	Prunus spinosa	b/r	60/80cm	3
25	Sambucus nigra	C 3L	60/80cm	3
25	Viburnum opulus	b/r	60/80cm	3

Native Screening Shrub Mix to Attenuation Basin - SSM

% Species	stock	Height	per meter	Description
40	Prunus spinosa	3C C	60-80cm	3
30	Rosa spinosissima	3C C	30-40cm	3
30	Ulex europaeus	3C C	30-40cm	3

Perennials

Nr	Code	Species	Container	per m2	Description
Ar	Ajuga reptans Mahogany		9cm pots	5	Ground cover
Vb	Verbena bonariensis		9cm pots	5	Pollinator
Pv	Penicaria vacciniifolia		3ltr	5	Ground cover
Ns	Nepeta subessalis		9cm pots	5	Pollinator

Native Boundary Hedge - 450 centers, triple staggered rows

% Species	stock	Height	transplant	Description
25	Acer campestre	b/r	90/120cm	1+1
25	Corylus avellana	b/r	90/120cm	1+1
20	Crataegus monogyna	b/r	60/90cm	1+1
5	Crataegus monogyna	C	8-10grth 2MH	2x
25	Ilex aquifolium	b/r	60/90cm	1+1

Native Species Rich Meadow Grass (SRM)

Cut - Mid Sept to 1st Oct LFL Arising - Cut 70-100mm after flowering
To be sown in prepared soil

% Species	stock	Height	per meter	Description
20	Allium ursinum		6/7	
20	Convallaria majalis		6/7	
20	Galanthus nivalis		5/6	
20	Hyacinthus muscari neglectus		17/18	
20	Narcissus pseudonarcissus		8/10	

Attenuation Basin & Swales - SUDs Native Marginal Edge Mix (NMP)

% Species	stock	Height	per meter	Description
25%	Carex vulpina			
10%	Galium palustre			
15%	Isis pseudonarcissus			
10%	Lythrum salicaria			
10%	Schlotheimia lacustris			
10%	Myosotis scorpioides			

*Supplied as pre planted / core seed mix

Annuals

% Species	stock	Height	per meter	Description
25%	Chewings Fescue			
25%	Chewings Fescue			
20%	String Creeping Red Fescue			
30%	Browtop Bentgrass			

*Supplied as seed

Low Maintenance Grass Mix (LMG) - Minimum 2 cuts annually

% Species	stock	Height	transplant	Description
55%	Creeping Red Fescue			(Festuca rubra rubra)
10%	White Clover			(Trifolium repens)
20%	Aberfeldie Sheeps Fescue			(Festuca ovina)
10%	Joanna Cheewing Fescue			(Festuca rubra Commutata)
5%	Angled Downwort			(Agrostis castellana)

*Supplied as seed

Native Species Rich Meadow Grass (SRM)

Cut - Mid Sept to 1st Oct LFL Arising - Cut 70-100mm after flowering
To be sown in prepared soil

% Species	stock	Height	per meter	Description
20%	Allium ursinum		6/7	
20%	Convallaria majalis		6/7	
20%	Galanthus nivalis		5/6	
20%	Hyacinthus muscari neglectus		17/18	
20%	Narcissus pseudonarcissus		8/10	

PLANTING NOTES

Plants:
Tree supply and planting shall correspond also to BS EN 8545 Trees: from nursery to independence in the landscape Recommendations.

Source Of Plant Material:
Plant material (trees, shrubs, wildflower and grass seed) should be from a proven, sustainable source of local genetic provenance.

A plant passport shall be provided with all consignments of plant material as required by Irish Law and the appropriate Departmental Guidelines & Requirements including Controls within the European Community.

Plants / Trees - General:
Condition: Materially undamaged, sturdy, healthy and vigorous.
Appearance: Of good shape and without elongated shoots.
Hardiness: Grown in a suitable environment and hardened off.
Health: Free from pests, diseases, discoloration, weeds and physiological disorders.

Planting works:
Landscape works to be undertaken by an approved ALCI (Association of Landscape Contractors of Ireland) landscape contractor and in accordance with BS EN 4028:1989 Code of practice for general landscape operations (excluding hard surfaces).
Topsoil preparation: quality, depth, cultivation and final grading shall be carried out in suitable weather conditions as per BS EN 3882:2007 Specification for topsoil and requirements for use.
All work shall conform to a minimum standard as set out in BS EN 4263:1989 Recommendations for transplanting root balled trees. Existing Tree Works to BS EN 5837.

Times of year for planting:
+ Deciduous trees and shrubs - Late October to late March
+ Conifers and evergreens - September/October and April/May
+ Herbaceous plants: September/October and March/April
+ Container grown plants: At any time if ground and weather conditions are favourable.

Invasive weeds:
Refer to Ecologists Invasive species report, for location of Japanese Knotweed. Any mitigation measures will follow guidelines to conform with European Communities (Birds and Natural Habitats) Regulations 2011.

Indicative levels - Refer to Engineers Layout
76.00 Proposed levels - indicative
75.00 Existing levels - refer to Topo Survey

notes

Do not scale from drawing, use figured dimensions only.
All dimensions are to be checked on site by contractor prior to commencement of all work.
Discrepancies should be reported immediately.
This drawing is to be read in conjunction with all other TPNV drawings and specification.
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client Monaghan County Council
project Civic Office
drawing Landscape Layout (2 of 3)
status PLANNING

GB Centre Coordinates
ITM 66244 832306
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Map Source: Map Street
1:1000 10/05/05

1m 5m 10m 20m