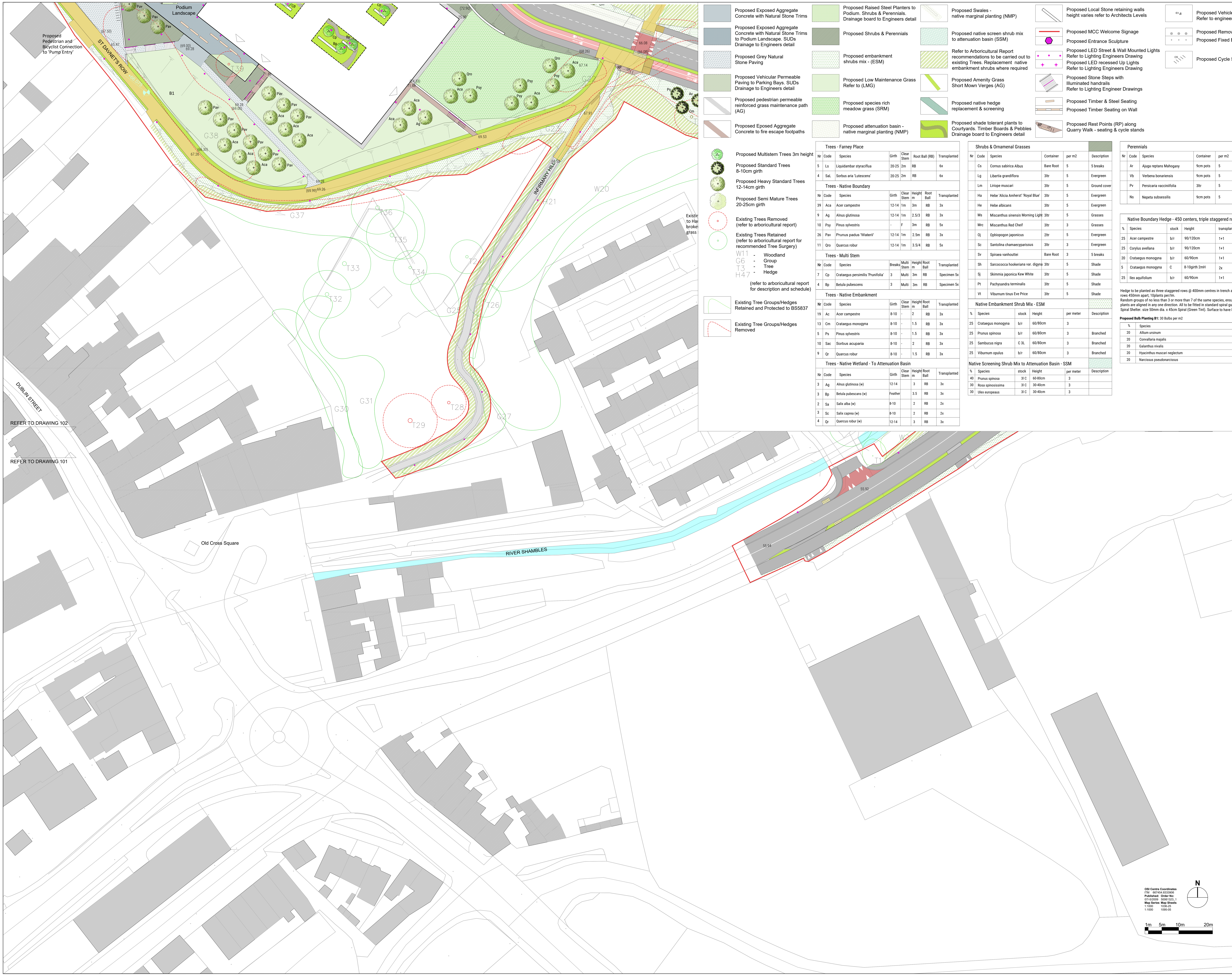

Proposed Exposed Aggregate Concrete with Natural Stone Trims

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 Eposed 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 MCC Welcome Signage

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 chipping's

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

Proposed Multistem Trees 3m height

Proposed Standard Trees 8-10cm girth

Proposed Heavy Standard Trees 12-14cm girth

Proposed Semi Mature Trees 20-25cm girth

Existing Trees Removed (refer to arboricultural report)

Existing Trees Retained (refer to arboricultural report for recommended Tree Surgery)

W11 - Woodland
G6 - Group
T3 - Tree
H47 - Hedge

(refer to arboricultural report for description and schedule)

Existing Tree Groups/Hedges Retained and Protected to BS5837

Existing Tree Groups/Hedges Removed

Trees - Farney Place

Nr	Code	Species	Girth	Clear Stem	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	Girth	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 'Waterii'	12-14	1m	2.5m	RB	3x
11	Qro	Quarcus robur	12-14	1m	3.5/4	RB	5x

Trees - Multi Stem

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

Trees - Native Embankment

Nr	Code	Species	Girth	Clear Stem	Height m	Root Ball	Transplanted
19	Ac	Acer campestre	8-10	-	2	RB	3x
13	Cm	Crataegus monogyna	8-10	-	1.5	RB	3x
5	Ps	Pinus sylvestris	8-10	-	1.5	RB	3x
10	Sac	Sorbus acuparia	8-10	-	2	RB	3x
9	Qr	Quarcus robur	8-10	-	1.5	RB	3x

Trees - Native Wetland - To Attenuation Basin

Nr	Code	Species	Girth	Clear Stem	Height m	Root Ball	Transplanted
3	Ag	Alnus glutinosa (w)	12-14		3	RB	3x
3	Bp	Betula pubescans (w)	Feather		3.5	RB	3x
2	Sa	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 & Ornamenal Grasses

Nr	Code	Species	Container	per m2	Description
	Cs	Cornus sabirica Albus	Bare Root	5	5 breaks
	Lg	Libertia grandiflora	3ltr	5	Evergreen
	Lm	Liriope muscari	3ltr	5	Ground cover
	Ha	Hebe 'Alicia Amherst' 'Royal Blue'	3ltr	5	Evergreen
	He	Hebe albicans	3ltr	5	Evergreen
	Ms	Miscanthus sinensis Morning Light	3ltr	5	Grasses
	Mrc	Miscanthus Red Cheif	3ltr	3	Grasses
	Oj	Ophiopogon japonicus	2ltr	5	Evergreen
	Sc	Santolina chamaecyparissus	3ltr	3	Evergreen
	Sv	Spiraea vanhouttei	Bare Root	3	5 breaks
	Sh	Sarcococca hookeriana var. digyna	3ltr	5	Shade
	Sj	Skimmia japonica Kew White	3ltr	5	Shade
	Pt	Pachysandra 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	Branched
25	Sambucus nigra	C 3L	60/80cm	3	Branched
25	Viburnum opulus	b/r	60/80cm	3	Branched

Native Screening Shrub Mix to Attenuation Basin - SSM

%	Species	stock	Height	per meter	Description
40	Prunus spinosa	3l C	60-80cm	3	
30	Rosa spinosissima	3l C	30-40cm	3	
30	Ulex europeaus	3l 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	Persicaria vacciniifolia	3ltr	5	Ground cover
	Ns	Nepeta subsessilis	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	8-10girth 2mH	2x	
25	Ilex aquifolium	b/r	60/90cm	1+1	

Hedge to be planted as three staggered rows @ 400mm centres in trench approx 2m wide with rows 450mm apart, 10plants per/lm.
Random groups of no less than 3 or more than 7 of the same species, ensuring that no three plants are aligned in any one direction. All to be fitted in standard spiral guard tree shelters. Spiral Shelter. size 50mm dia. x 45cm Spiral (Green Tint). Surface to have Bark mulch 75mm.

Proposed Bulb Planting B1: 30 Bulbs per m2

%	Species	Specification
20	Allium ursinum	6/7
20	Convallaria majalis	6/7
20	Galanthus nivalis	5/6
20	Hyacinthus muscari neglectum	17/18
20	Narcissus pseudonarcissus	8/10

Attenuation Basin & Swales - SuDS Native Marginal Edge Mix (NMP)
20% Blysmum rufus
25% Carex vulpina
10% Caltha palustris
15% Iris pseudacorus
10% Lythrum salicaria
10% Schoenoplectus lacustris
10% Mysotis scorpoides
*Supplied as pre planted coir seed matt

Amenity Grassland To Roadside Verges & Upper Car Park SuDS (AG)
Verges to be cut minimum 4 Cuts annually
25% Chewings Fescue
35% Chewings Fescue
20% String Creeping Red Fescue
30% Browntop Bentgrass
*Supplied as seed

Low Maintenance Grass Mix (LMG) - Minimum 2 Cuts annually
A4 Mix
55% Creeping Red Fescue (Festuca rubra rubra)
10% White Clover (Trifolium repens)
20% Aberfleece Sheeps Fescue (Festuca ovina)
10% Joanna Chewing Fescue (Festuca Rubra Commutata)
5% Highland browntop bent (Agrostis castellana)
*Supplied as seed

Native Specieces Rich Meadow Grass (SRM)
Cut - Mid Sept to 1st Oct Lift Arisings - Cut 70-100mm after flowering
To be sown on to prepared subsoil

Bird's foot trefoil	Lotus corniculatus
Corn chamomile	Anthemis arvensis
Corn marigold	Glebionis segetum
Corncockle	Agrostemma githago
Cornflower	Centaurea cyanus
Devil's bit scabious	Succisa pratensis
Field scabious	Knautia arvensis
Ladies bedstraw	Galium verum
Lesser knapweed	Centaurea nigra
Meadow buttercup	Ranunculus acris
Ox-eye daisy	Leucanthemum vulgare
Plantain	Plantago lanceolata
Poppy	Papaver rhoeas
Purple loosestrife	Lythrum salicaria
Ragged robin	Silen flos-cuculi
Red campion	Silene dioica
Red clover	Trifolium pratense
Scentless mayweed	Tripleurospermum inodorum
Self-heal	Prunella vulgaris
Sorrel	Rumex acetosa
St John's wort perforate	Hypericum perforatum
Wild carrot	Daucus carota
Yarrow	Achillea millefolium
Yellow rattle	Rhinanthus minor
Meadow Grasses	
Common bent	Agrostis capillaris
Crested dog's-tail	Cynosurus cristatus
Meadow Foxtail	Alopecurus pratensis
Sheep's fescue	Festuca ovina
Slender creeping red fescue	Festuca rubra
Sweet Vernal Grass	Anthoxanthum odoratum

*Supplied as seed

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 4428:1989 Code of practice for general landscape operations (excluding hard surfaces).

Topsoil preparation, quality, depths, 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 4043:1989 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 measure 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
(76.00) 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 TPHC drawings and specification.
This drawing is the copyright of the Landscape Architect and must not be reproduced or used without permission.
Ordnance information base information shown is reproduced from Ordnance Survey material © Crown copyright 2018 Licence Number 100034836.

revision	description	date	author
P09	Issued for Planning	23/11/2023	SM

thepaulhogarthcompany

LANDSCAPE ARCHITECTURE / URBAN DESIGN / PLANNING

e: edinburgh@paulhogarth.com t: +44 (0)131 331 4811
e: belfast@paulhogarth.com t: +44 (0)28 9073 6690
e: dublin@paulhogarth.com t: +353 (0)1 897 0272

visit us at www.paulhogarth.com / find us on: facebook / twitter / instagram / linkedin

created	25/04/2023	drawn	SM	checked	AMcG	scale @ A1	1:500
project number	1524	drawing number	102			revision	P09

client	Monaghan County Council
project	Civic Office
drawing	Landscape Layout (3 of 3)
status	PLANNING