



North Dublin Street and Backlands Regeneration Project

Monaghan County Council

An Bord Pleanála Planning Drawings

BOOK A2.1

April 2025

Drawing Number
DSN-MCA-ZZ-XX-DR-CE-1001-2.1-P01
Status
S2 - FOR INFORMATION



Comhairle Contae Mhuineacháin
Monaghan County Council



Rev	Issue Date	Description	App
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North Dublin Street & Backlands Regeneration Project

Monaghan County Council

An Bord Pleanála Planning Drawings

April 2025

Drawing Register

Book A1.1 - Site Location and Existing / Proposed Layouts

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DSN-MCA-ZZ-XX-DR-CE-1006	P02	Site Notice Plan
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DSN-MCA-ZZ-XX-DR-CE-1011	P01	Existing Site Layout Sheet 1
DSN-MCA-ZZ-XX-DR-CE-1012	P01	Existing Site Layout Sheet 2
DSN-MCA-ZZ-XX-DR-CE-1013	P01	Existing Site Layout Sheet 3
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DSN-OPE-00-XX-DR-L-901302	Rev07	Site Layout Sheet 02
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DSN-OPE-ZZ-XX-DR-L-902103	Rev02	Details - Furniture
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Comhairle Contae Mhuineacháin
Monaghan County Council



Delap & Waller



McAdam
ENHANCING LOCAL COMMUNITIES



P02	07.04.25	Updated for planning issue	DSA
Rev	Issue Date	Description	App
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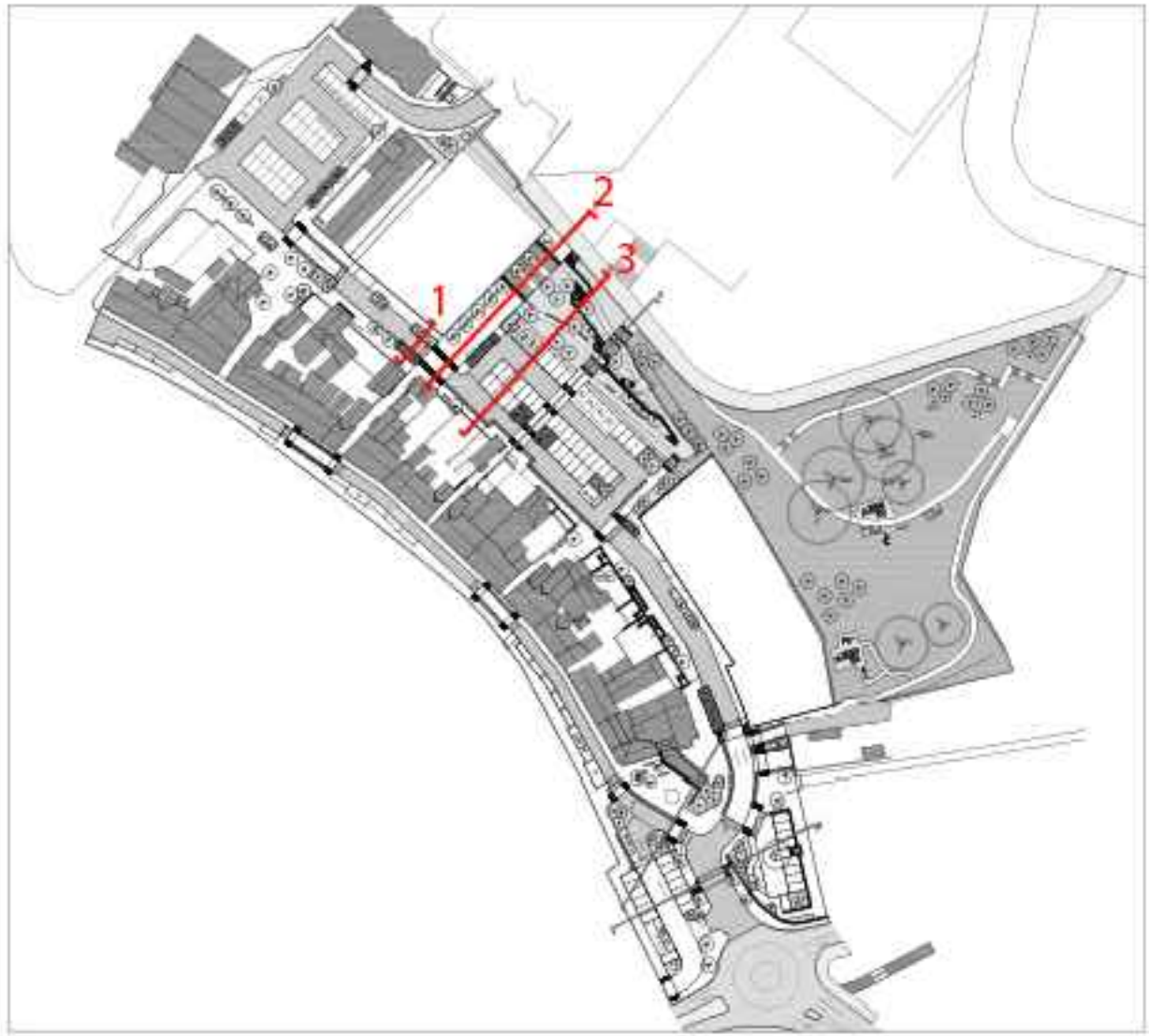
Section 1
1:100 @A1



Section 2
1:100 @A1



Section 3
1:100 @A1



KEY PLAN
1:2000 @A1

NOTES

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CDM INFORMATION

1. -

KEY PLAN

03	Issued for Planning	nt	29.01.25
02	Issued for Planning	nt	29.11.24
01	Issued for information	nt	09.08.24
Issue	Revision	Initial	Date

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Registered office: 2nd Floor, Quartermile Two, 2 Lister Square, Edinburgh | EH3 9GL

Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
Illustrative Sections

Scale Bar	North
2m 4m 6m 8m 10m	
Scale: 1:100@A1	Date: AUGUST 2024
By: NT	Status: PLANNING
Checked: BP	Approved: BP

Drawing Number	Rev
DBL-OPE-00-XX-DR-L-901204	03



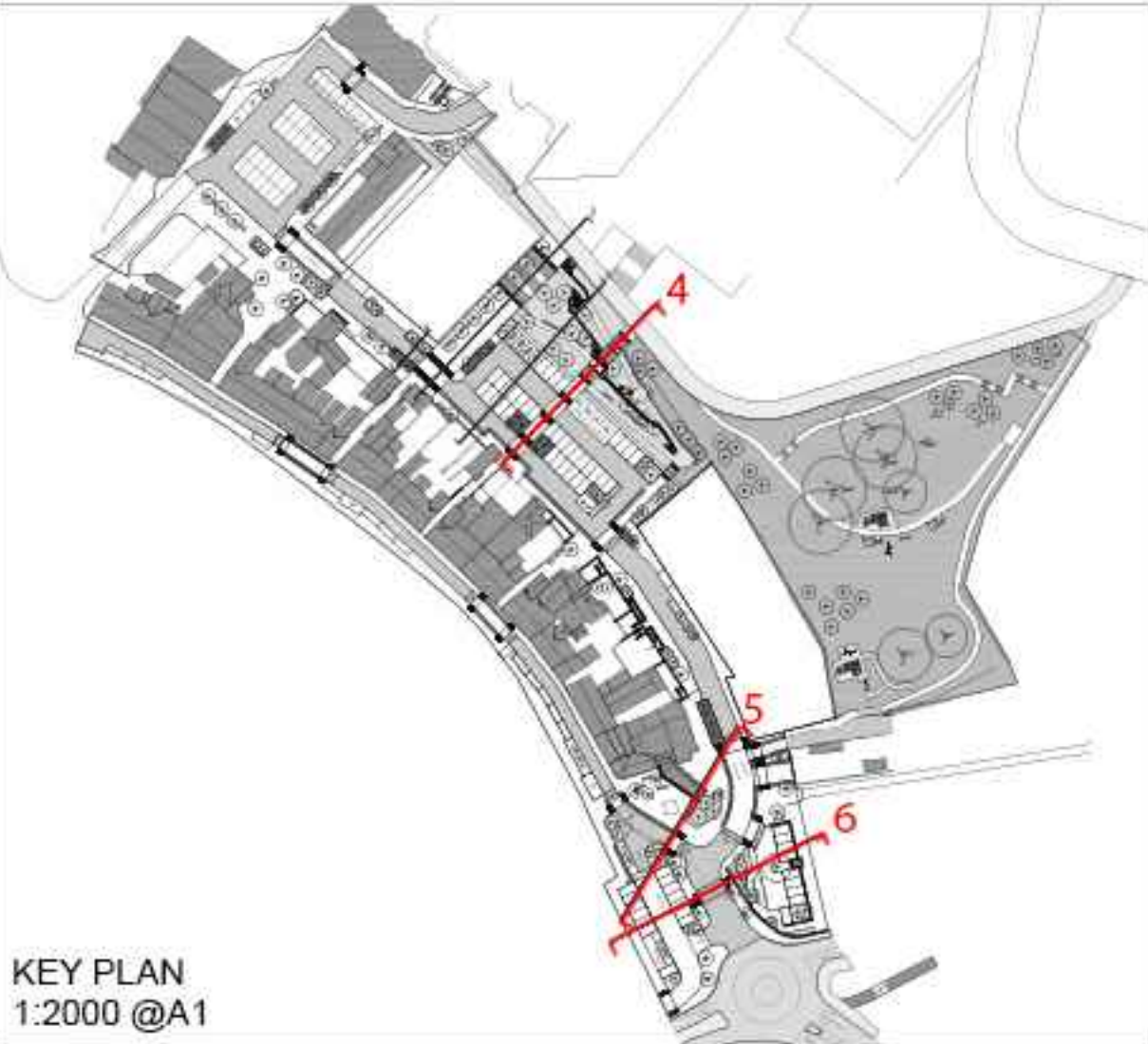
Section 4
1:100 @A1



Section 5
1:100 @A1



Section 6
1:100 @A1



KEY PLAN
1:2000 @A1

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Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
Illustrative Sections

Scale Bar
2m 4m 6m 8m 10m North

Scale: **1:100@A1** Date: **AUGUST 2024**

By: **NT** Status: **PLANNING**

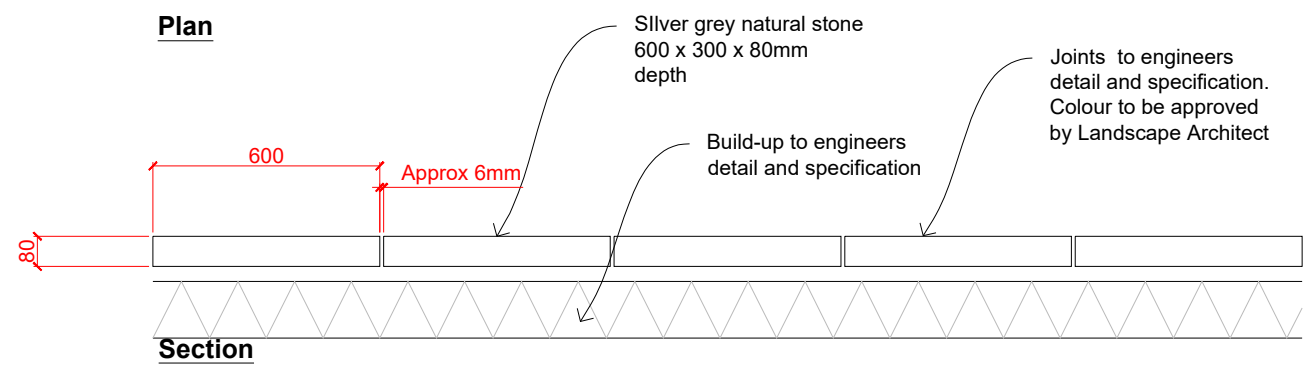
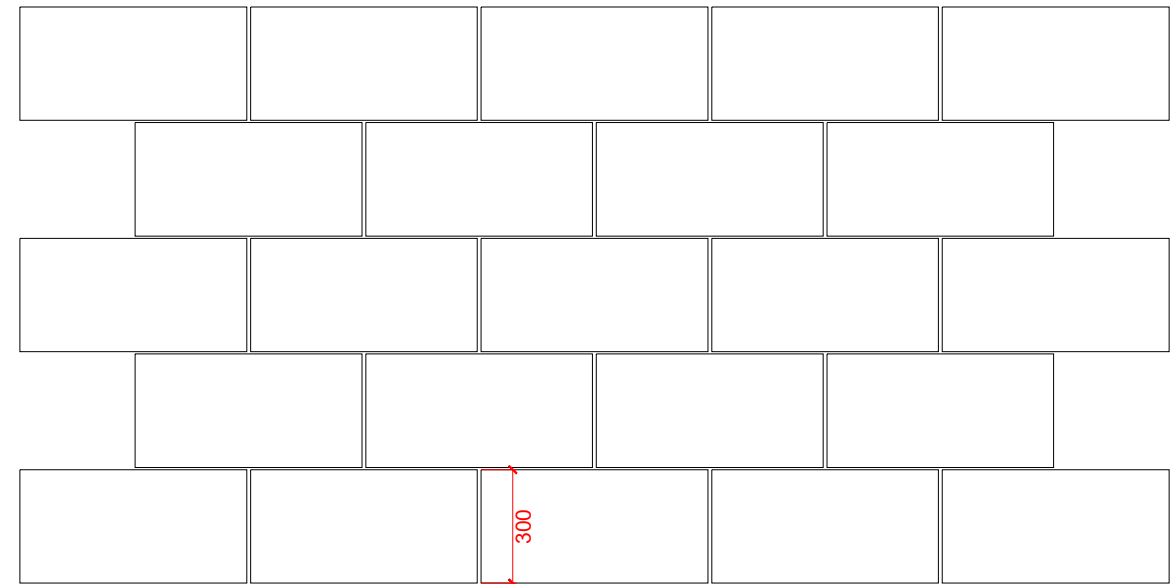
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Drawing Number
DBL-OPE-00-XX-DR-L-901205

Rev
02

Utility Covers:

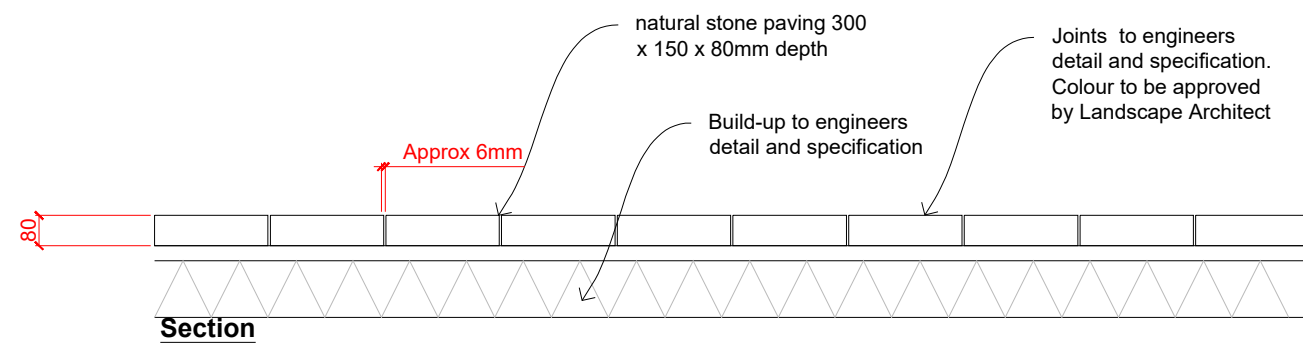
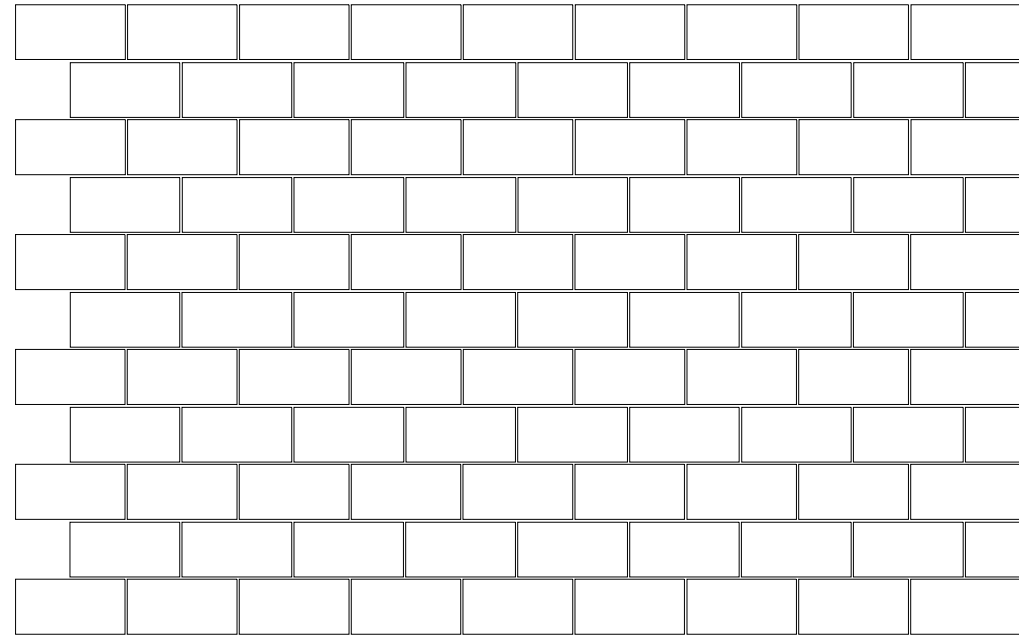
- All utility covers to accept recessed paving (where acceptable to utility provider). Tray to be appropriate depth to accept paving.
- Loading requirement/class of utility cover to engineers specification.
- Paving inlay to continue external paving pattern.
- No visible concrete surround to utility covers, frames to be of appropriate depth or flangeless to accept paving up to edge.
- Utility covers to be aligned with paving and wholly within one paving type.
- All joints to utility cover frame interfaces to be flexible joints (see above).
- No 'L' shaped cut units to be used at corner of covers



Note:
- Refer to engineers specification for further detail

P1
sheet
D01

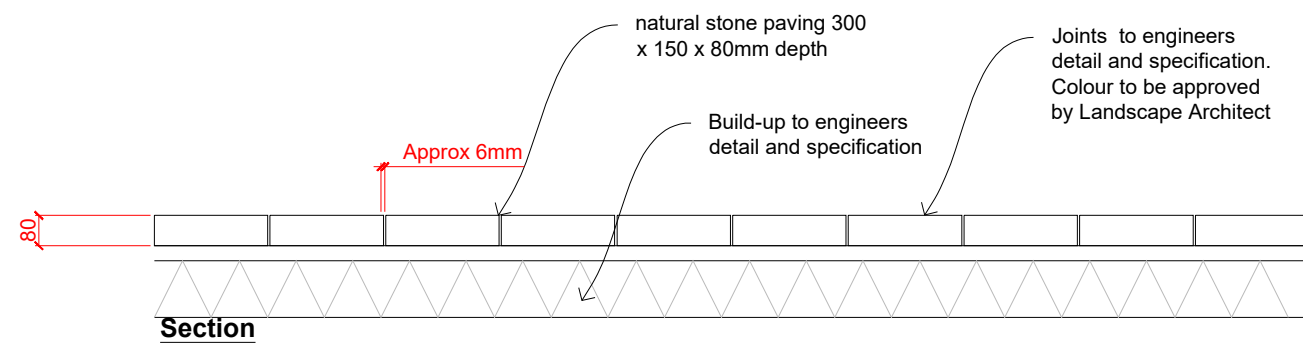
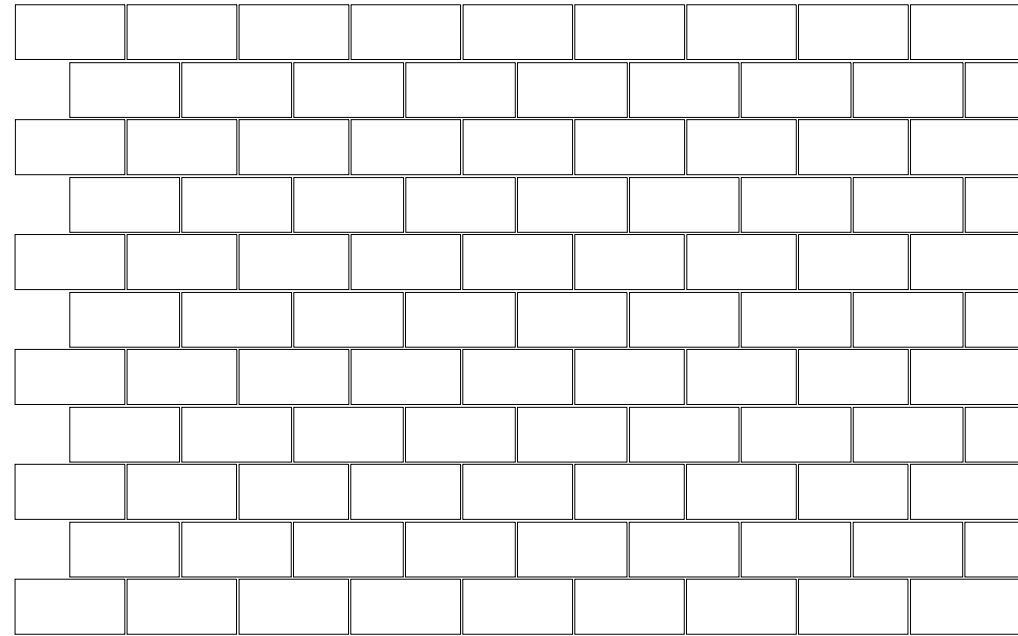
Silver grey natural stone paving to match existing within the Diamond
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P2
sheet
D01

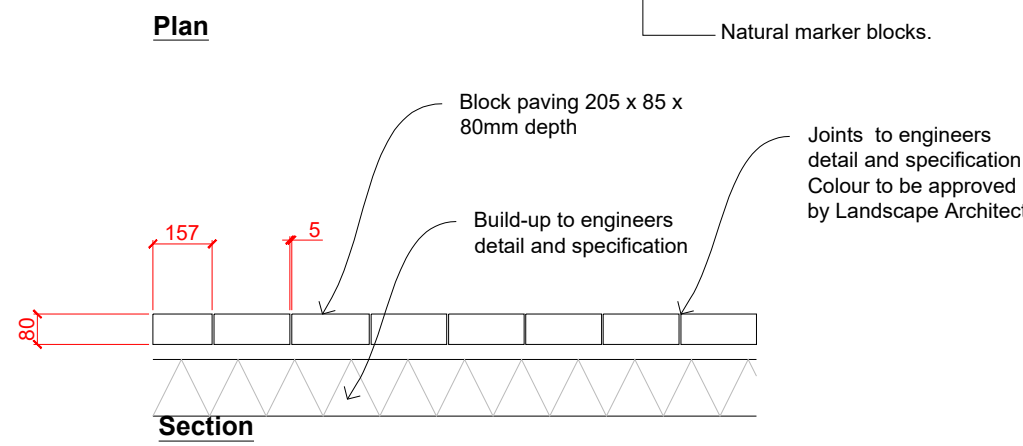
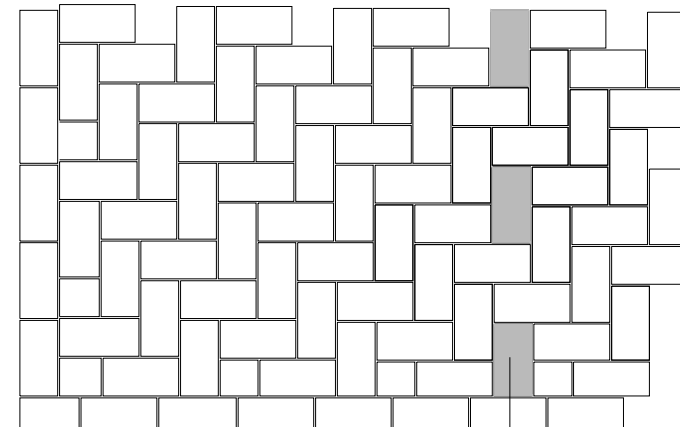
Mid Grey Natural stone paving
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P3
sheet
D01

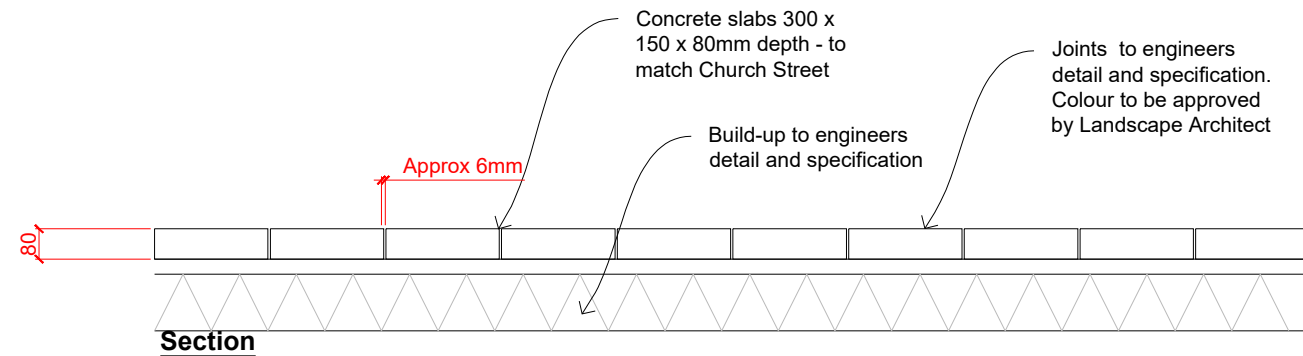
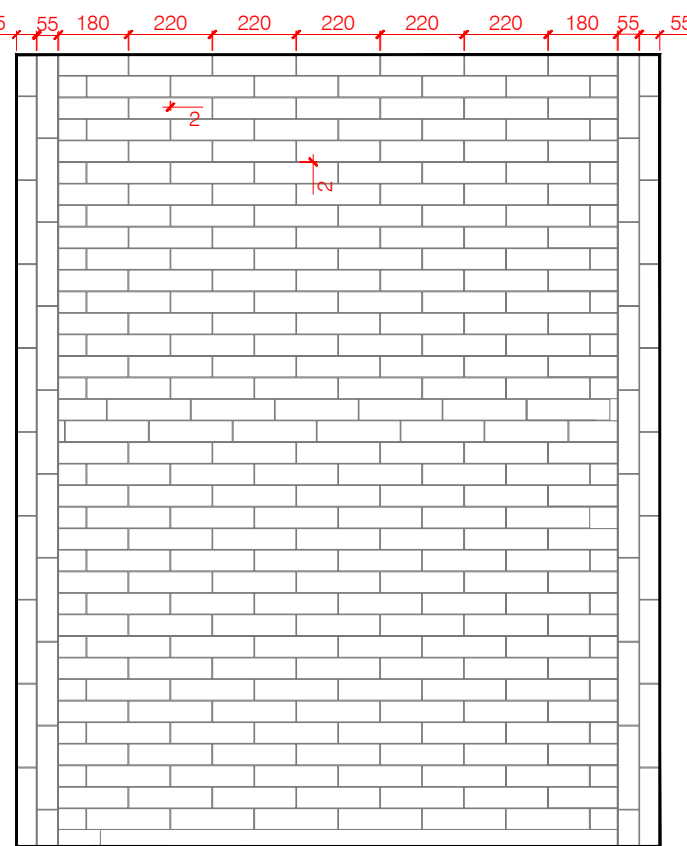
Precast Paving Units to Footways
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P4
sheet
D02

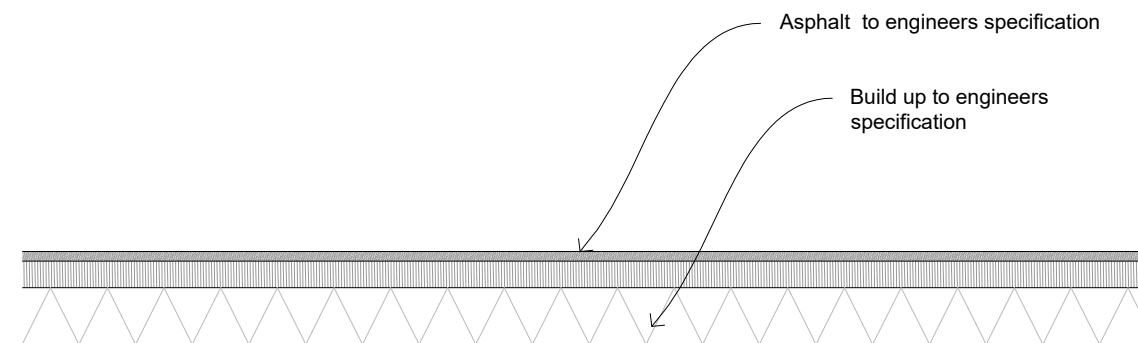
'Aqua' Flow Block paving to Car Park Entrances
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P5
sheet
D01

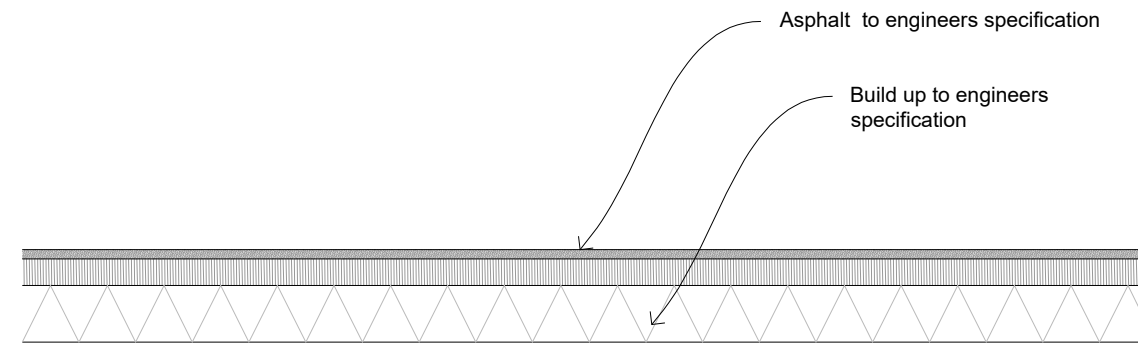
Precast Paving Units to Central Gardens
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P6
sheet
D02

Asphalt Cycle Path
Scale: 1 : 20



Note:
- Refer to engineers specification for further detail

P7
sheet
D02

Asphalt
Scale: 1 : 20

- NOTES
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KEY PLAN

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02	Issued for planning	nt	29.01.25
01	Issued for planning	nt	29.11.24
-	First Issue - Issued for information	nt	09.08.24

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Registered Address: Quatermile Two | Quatermile Two | 2 Lister Square | Edinburgh | EH3 9QL

Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
SURFACING

Scale Bar
0.2m 0.4m 0.6m 0.8m 1.0m

Scale: **1:20@A1** Date: **AUGUST 2024**

By: **bs** Status: **PLANNING**

Checked: **nt** Approved: **bp**

Drawing Number
DBL-OPE-ZZ-XX-DR-L-901101 Rev
02

P13 Tactile paving to uncontrolled crossings:

Material: Granite.
Colour: Black or to contrast with adjacent surfaces
Pattern: Blister surface pattern as appropriate, to manufacturer's guidance.

P14 Corduroy tactile paving to cycle lanes:

Material: Granite.
Colour: Black or to contrast with adjacent surfaces
Pattern: Hazard/corduroy surface pattern as appropriate, to manufacturer's guidance.

P15 Corduroy Tactile Paving to Steps

Material: Granite.
Pattern: Guidance surface pattern as appropriate, to manufacturer's guidance.
Colour: Black or to contrast with adjacent surfaces

P16 Tactile Guidance Paving to Pedestrian Areas

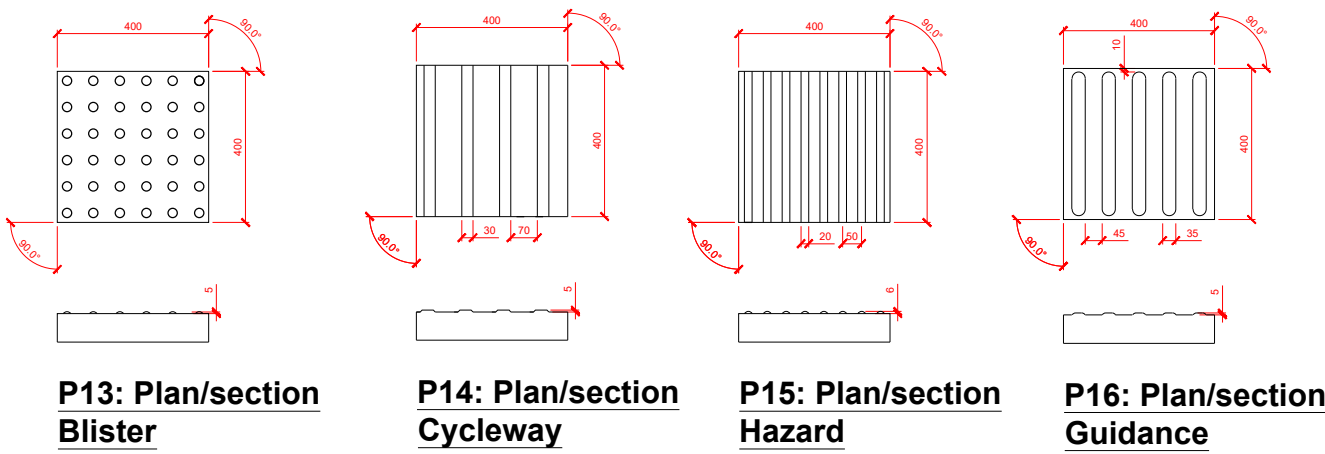
Material: Granite
Pattern: Cycleway surface pattern as appropriate, to manufacturer's guidance.
Colour: Black or to contrast with adjacent surfaces

Unit Size: 400mm wide x 400mm length.
Joints: 5mm.
Thickness: 75mm (to be confirmed by engineer).
Build up: Refer to engineer's specification and details.

Laying Notes:

- To be set out in accordance with BS EN 1338: 2003
- No service covers or drainage gulleys to be located within areas of tactile.

NB. To be read in conjunction with General Paving Notes.



P13-16 General Tactile paving

sheet D03 Scale: 1 : 20

Description:

- Stainless steel flat bar handrail with associated stainless steel uprights

Material:

- 316 stainless steel

Colour:

- Natural

Finish:

- Satin finish to all exposed surfaces

Height:

- 990mm to top of handrail

Loading:

- Loading provide horizontal uniformly distributed line load of 3kN/m and be in accordance with BS 6399-1and BS 6180. To contractor's design.

Sizes:

- Uprights : Notionally 85mm x 16mm flat bar posts set plumb. Centres no greater than 1.2m.
- Handrail: Notionally 85mm wide x 16mm thick Stainless steel flat bar welded to uprights
- Uprights to be corecut through paving/step units (Refer to engineers details for further information)
- Note: sizes to be confirmed by contractor

Build up and foundation:

- To engineer's detail and specification

Typical Section

NOTE: SHOP DRAWINGS FOR ALL METALWORK MUST BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLACING ORDER.

F12 Stainless Steel handrail to S1 & S2 steps

sheet D02 Scale: 1 : 20

Description:

- Natural stone solid step units

Material:

- Precast concrete with natural aggregate finish

Colour:

- Mid Grey

Unit Size:

- Notionally Length 1000mm, Riser 140mm, tread 400mm

Joints:

- 2mm void between adjacent step units.
- 5mm joints between each rise.

Front edge:

- 10mm pencil edge

Visibility strips:

- 55mm Charcoal grey visibility strips on tread and riser to contrast with adjacent riser material.

Laying:

- Steps to be laid in lengths between 472mm - 1000mm refer to the typical laying plan below. Overlap between units in adjacent rises to be min. 150mm.
- Overlap of units along vertical step run 100mm

Build up and foundation:

- To engineer's detail and specification

Sample:

- Laying as part of a 5m x 5m sample to be approved prior to laying permanent areas.

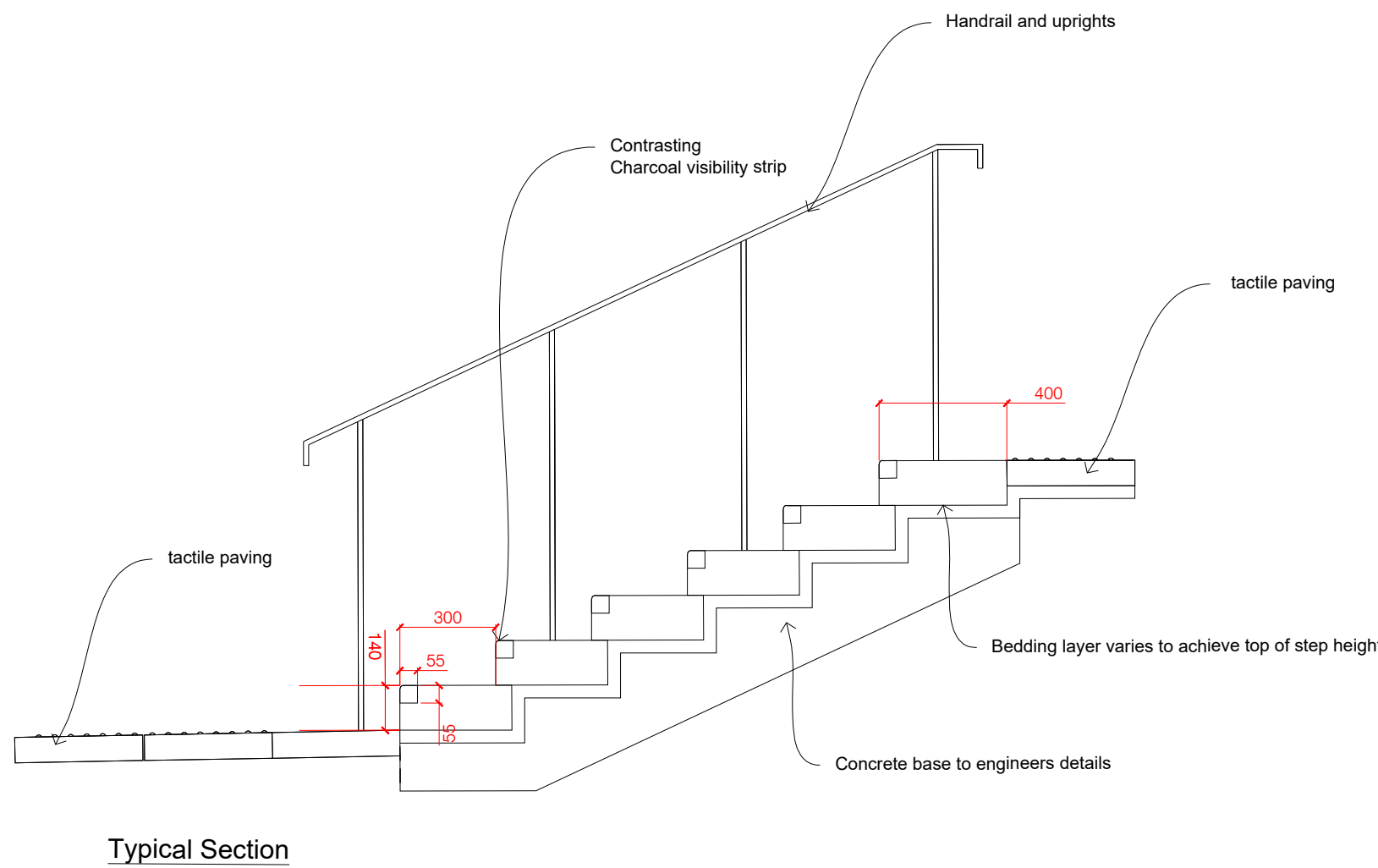
Utility covers:

- No utility covers to foul step runs.

Note

Flexible Joints

- Flexible joints with compressible filler board and flexible joint sealant are to used where the Steps interfaces with the following;
- Surface material interfaces.
- Interfaces with W1 Seating wall



S1 & S2 Step Units

sheet D02 Scale: 1 : 20

Supplier:

Hartecast or equal approved
City View House,
Manchester
W12 4JD

Model:

HC2055 Litter bin with
Stubber Plate and Ash
Hopper

Finish:

Cast Iron, painted grey.

Fixing:

Base attached to ground by anchoring bolts. Refer to manufacturers detail more information.



F6

Bin (To match Dublin Street South)

Scale: 1:20

NOTES

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Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
STEPS AND SURFACING

Scale Bar
0.2m 0.4m 0.6m 0.8m 1.0m

Scale: 1:20@A1 Date: AUGUST 2024

By: bs Status: PLANNING

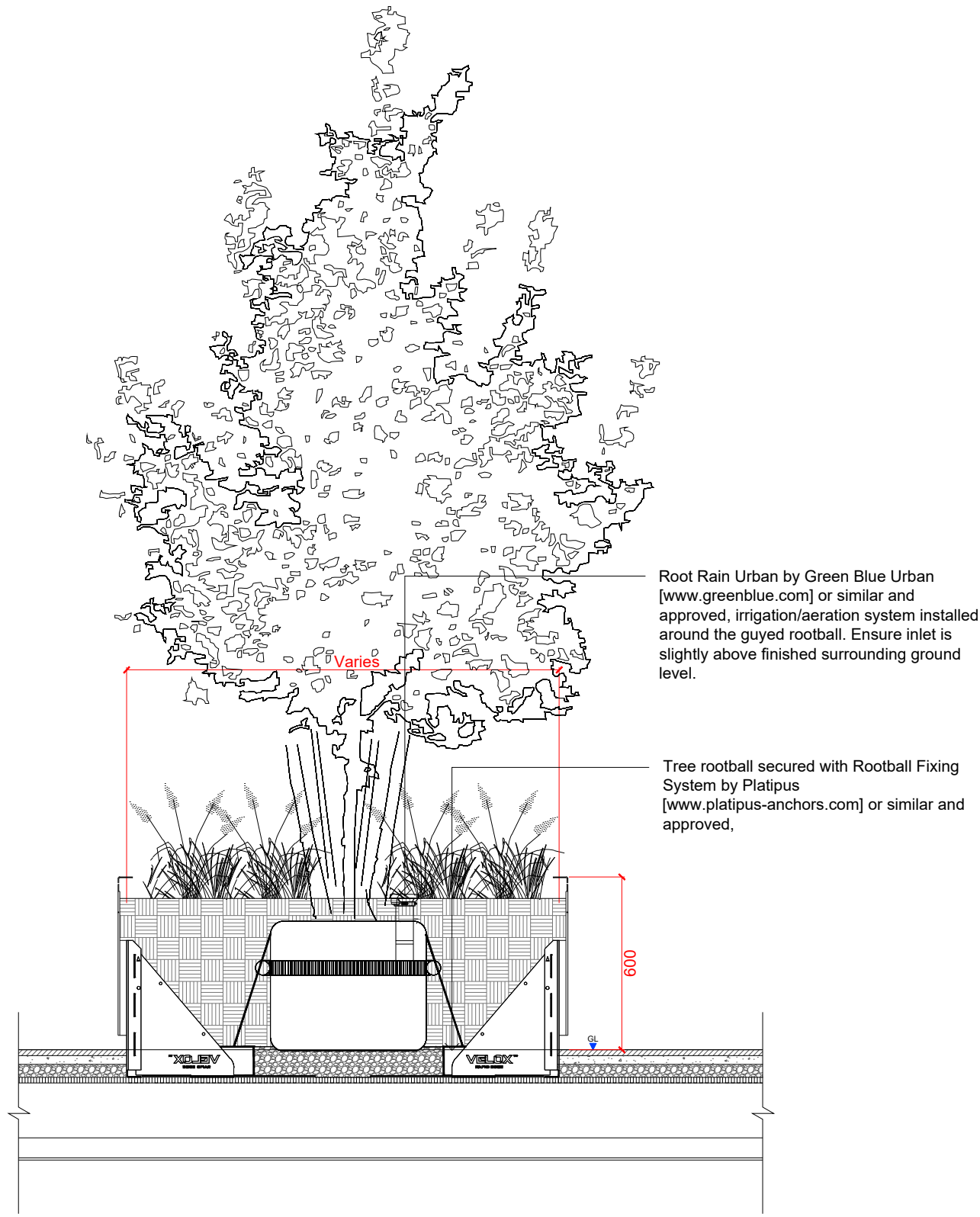
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Drawing Number
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Rev
02

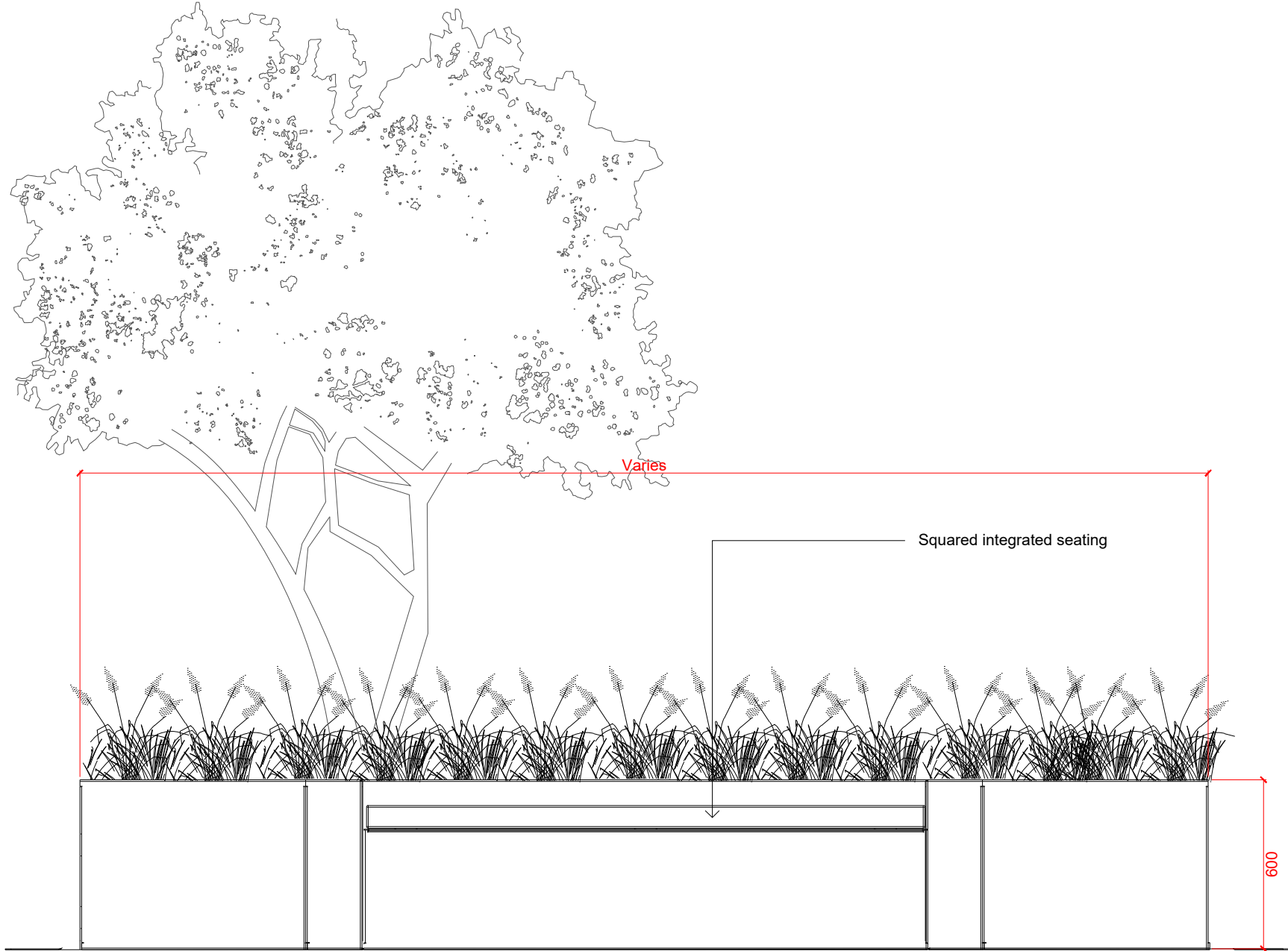
Computer File: P:\2022\221769_Dublin St Nth\CAD\AUTOCAD\SHEETS

- Description:**
- Raised metal planter edging with integrated benches.
- Supplier:**
- Logic Bespoke [www.logic-bespoke.com]
- Model:**
- 'Stapel' raised planter edging (600mm height) , using Velox foundation-free fixing system.
- Seating:** Integrated 'Squared' seating by Velox
- Dimensions:** _Varies refer to GA's
- Materials:**
- Planter edging: Mild Steel
- Finish:**
- Planter edging: Galvanised and powder coated [COLOUR TBC]
- Form:**
- Shadow gap to base of edging.
 - Stuctural support fins to be included at appropriate centers to support planter.

- Shop Drawings:**
- These drawings represent design intent. All metalwork should be prefabricated off site. Shop drawings to be provided for landscape architect approval prior to order and fabrication. Shop drawings must verify structural viability of design.



Typical section tree planting



Typical planter elevation with squared integrated seating

F1&F2 Raised Planter

Scale: 1:20

- Supplier:** Public Spaces or Equal approved
Unit 1a Southern Cross Business Park
Bray, Wicklow, Ireland
- Tel:** +353 1 2864995/6
Free UK. No.: 0808 1011590
Email: sales@publicspaces.eu
Product: DAE Montseny double bench (or equal approved)
Dimensions: 1500mm wide x 575mm deep x 830mm high
- Materials:** FSC® Certified Tropical Wood and oil-treated.
Cast aluminium oven-coated in Forge Black.
Fastening screws made of stainless steel.
- Slats:** EFSC® Certified Tropical Wood.
Finger jointed according to EN 408.
Size: 90mm x 30mm slats
One-coat oil finish
- Frame:** Steel
Finish: Frame Powder coated Graphite grey, RAL7024
Fixing: Anchored to ground with blind anchor bolts.
Fixing to manufacturer's specification.



Example

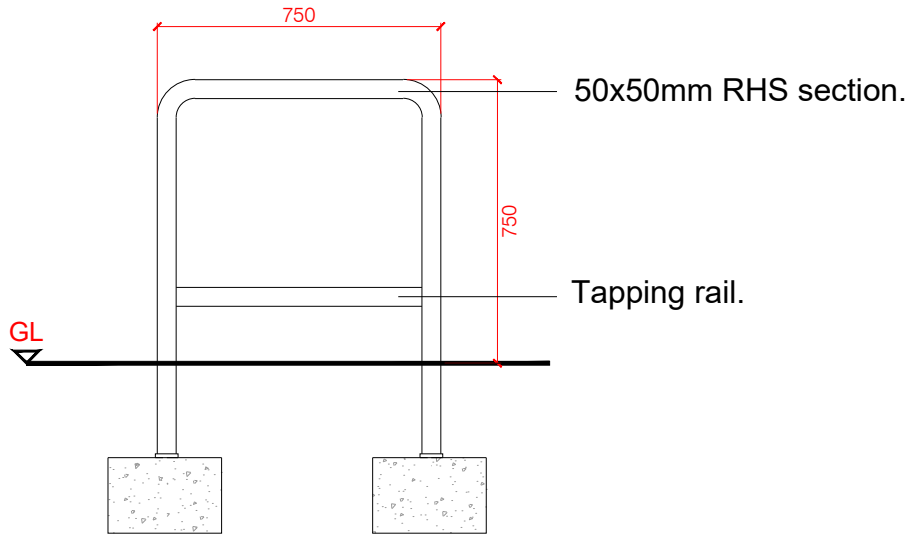
- Supplier:** Public Spaces or Equal approved
Unit 1a Southern Cross Business Park
Bray, Wicklow, Ireland
- Tel:** +353 1 2864995/6
Free UK. No.: 0808 1011590
Email: sales@publicspaces.eu
Product: DAE Montseny chair (or equal approved)
Dimensions: 600mm wide x 575mm deep x 830mm high
- Materials:** FSC® Certified Tropical Wood and oil-treated
Cast aluminium oven-coated in Forge Black
Fastening screws made of stainless steel.
EFSC® Certified Tropical Wood.
Finger jointed according to EN 408.
Size: 90mm x 30mm slats
One-coat oil finish
- Frame:** Steel
Finish: Frame Powder coated Graphite grey, RAL 7024
Fixing: Anchored to ground with blind anchor bolts.Fixing to manufacturer's specification.
- Foundation:** Refer to manufacturer's specification.



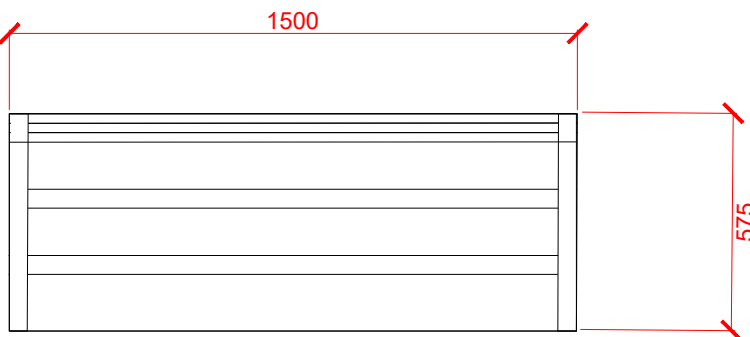
Example

- Material:** 316 stainless steel
Finish: Non-directional Satin polished finish
Unit size: 750mm wide x 750mm tall.
Fixing: Refer to engineer's information.
Build up: Refer to engineer's information.
Sample: 1no.

- Note:**
1. Paving to be core cut to accept stand.
 2. Tapping rail and contrasting strips to be included.

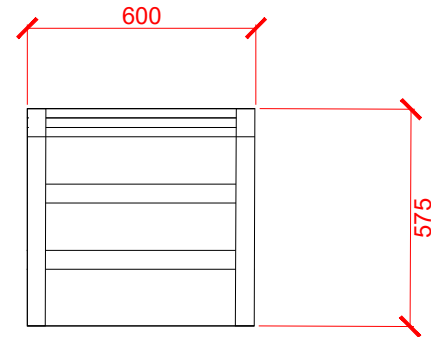


F5:Front elevation



F3 Linear Bench

Scale: 1:20



F4 F2 Individual Seats

Scale: 1:20

F5 F5 Cycle Stand

Scale: 1:20

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KEY PLAN

02	Issued for planning	nt	29.01.25
01	Issued for planning	nt	29.11.24
-	First Issue - Issued for information	nt	09.08.24
Issue	Revision	Initial	Date

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optimised environments ltd
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MANCHESTER 13 Swan Street | Manchester | M4 5JZ
t 0161 696 7500 | w optimisedenvironments.com
Optimised Environments Ltd is a registered company in England. Registered office: 13 Swan Street, Manchester, M4 5JZ. Registered number: 08411111. Registered in England. Registered office: 13 Swan Street, Manchester, M4 5JZ.

Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
FURNITURE

Scale Bar
0.2m 0.4m 0.6m 0.8m 1.0m

Scale: **1:20@A1** Date: **AUGUST 2024**
By: **bs** Status: **PLANNING**
Checked: **nt** Approved: **bp**

Drawing Number
DBL-OPE-ZZ-XX-DR-L-902103 Rev
02

Material: Stainless steel frame with composite wood panels
Finish: Powder Coated RAL 7012 Basalt Grey
Dimensions: L 204cm W 40cm H 45cm
Solar Panel: 90W
Battery: 12v 55Ah
Features:

- 2no USB ports (power per port 5v)
- 2no wireless charging
- LED light strip in cool white
- Bluetooth speaker 5/12v
- Wi-fi 4G international router

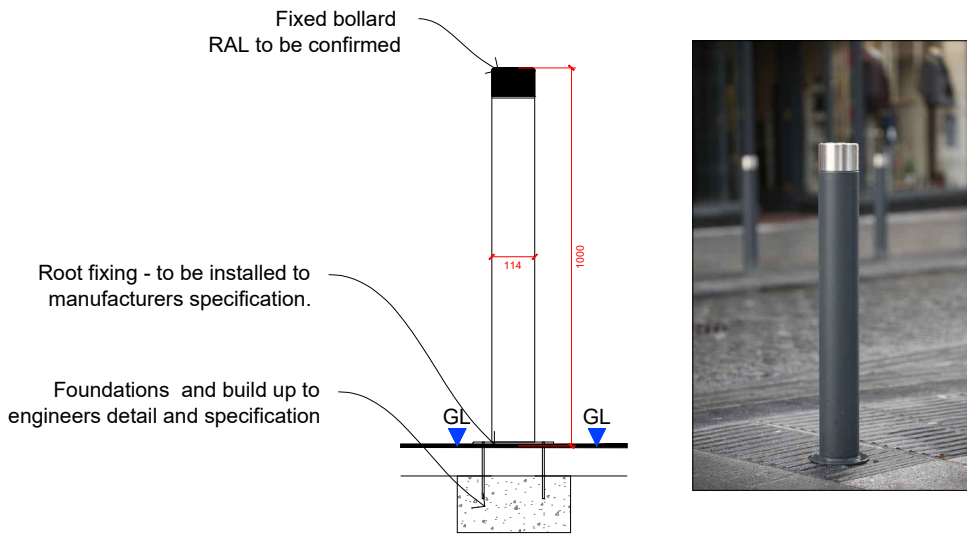


F12
sheet
Solar Bench
Scale: 1:20

Description: Brushed 316 grade stainless steel top, radially polished. Galvanized mild steel lowe section with a powder coated finish.

Dimensions: Lengths 1000mm, Diameter/Wall Thickness 114/3mm.

Colour: To be confirmed



F11
sheet
Fixed Bollard
Scale: 1 : 20

Supplier:

- Escofet [www.escofet.com] or similar and approved

Product:

- Carmel 160 Marco Aros

Size:

- 1600x1600mm

Material:

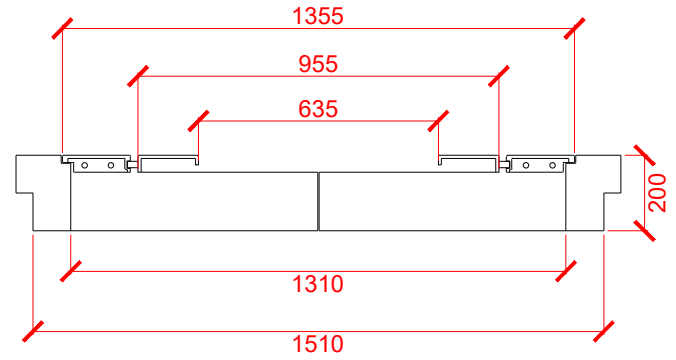
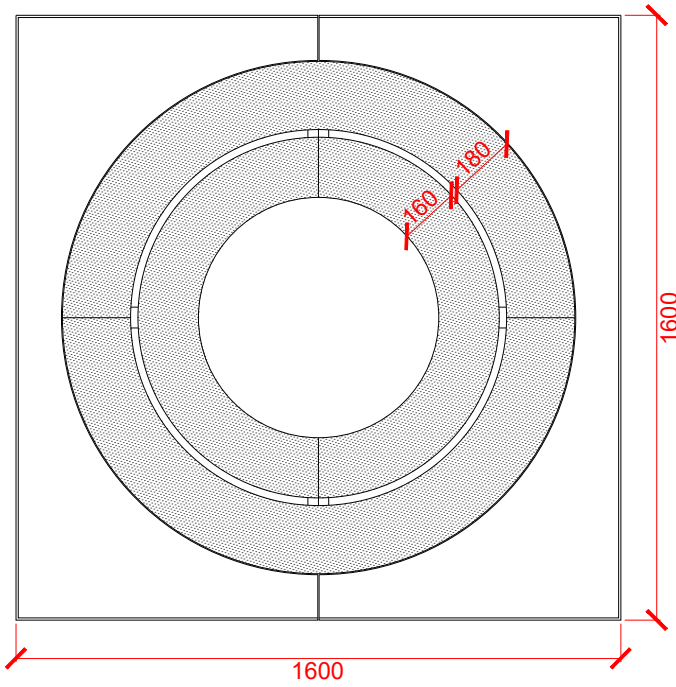
- Precast Concrete

Finish:

- Etched and Waterproofed

Colour:

- Black



Tree Grille
Scale: 1 : 20

Supplier: Zano Street Furniture
Email: contact@zano1988.co.uk
Material: Galvanised Steel
Finish: Powder Coated RAL to be confirmed
Dimensions: (W) 26cm, (H) 132cm, (D) 101cm



F13
sheet
Cycle Repair Station
Scale: 1 : 20

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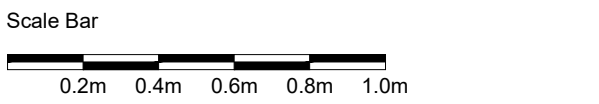
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Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
FURNITURE



Scale: **1:20@A1** Date: **AUGUST 2024**

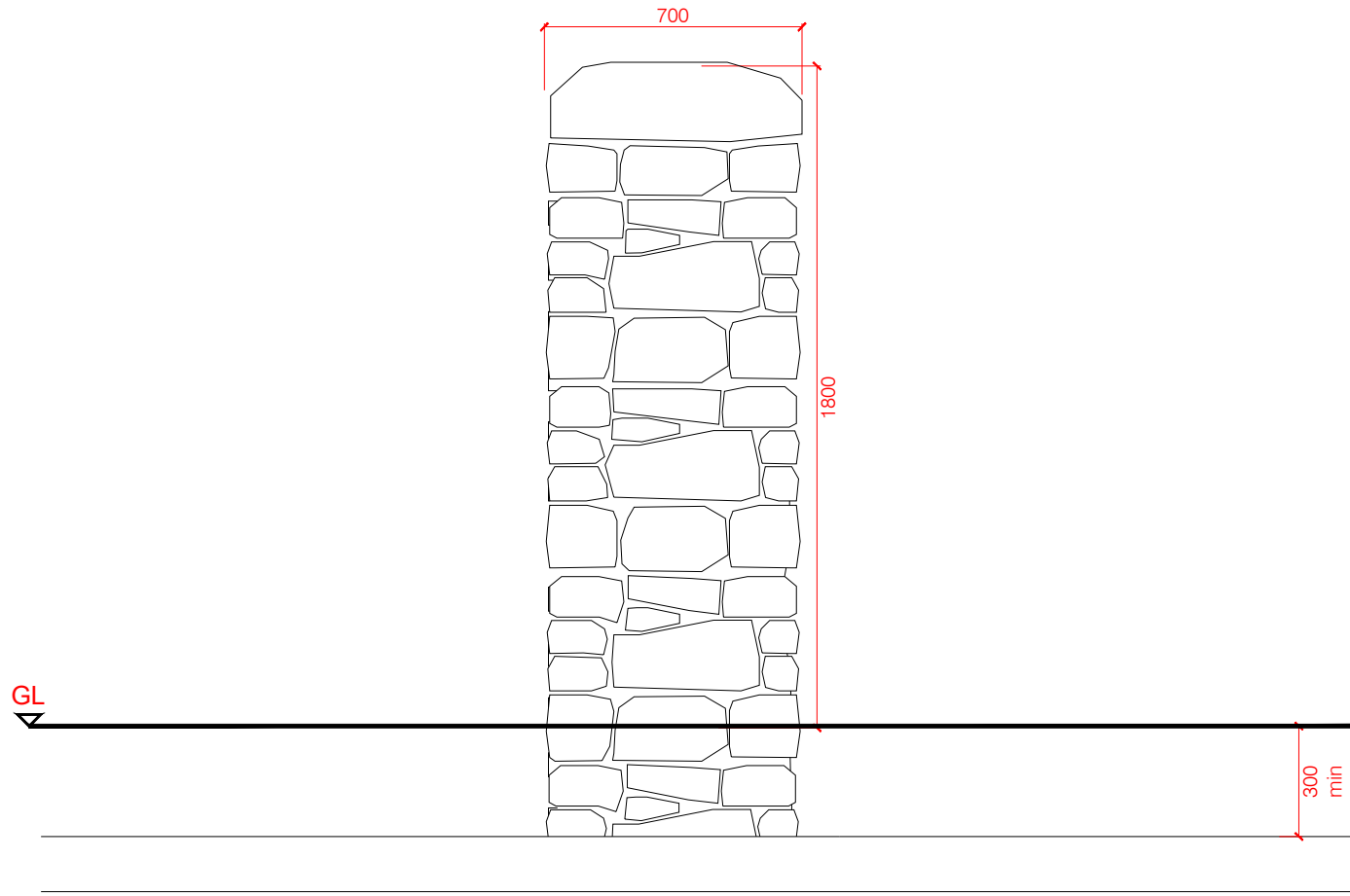
By: **bs** Status: **PLANNING**

Checked: **nt** Approved: **bp**

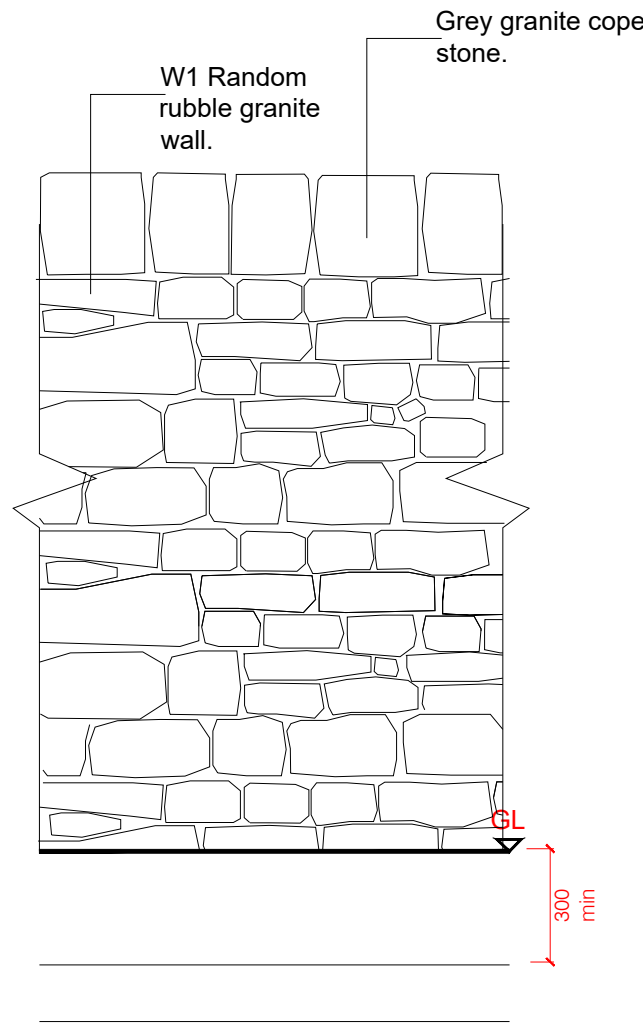
Drawing Number
DBL-OPE-ZZ-XX-DR-L-902104 Rev **01**

Description: Random rubble mortared stone wall with cope stone
Height: 1800mm
Width: 500mm
Joints: Mortared
Stone: Material to be sourced from site won stone. Where additional material required stone to be matched

Foundation and Structural requirements: Refer to engineers details



End Elevation



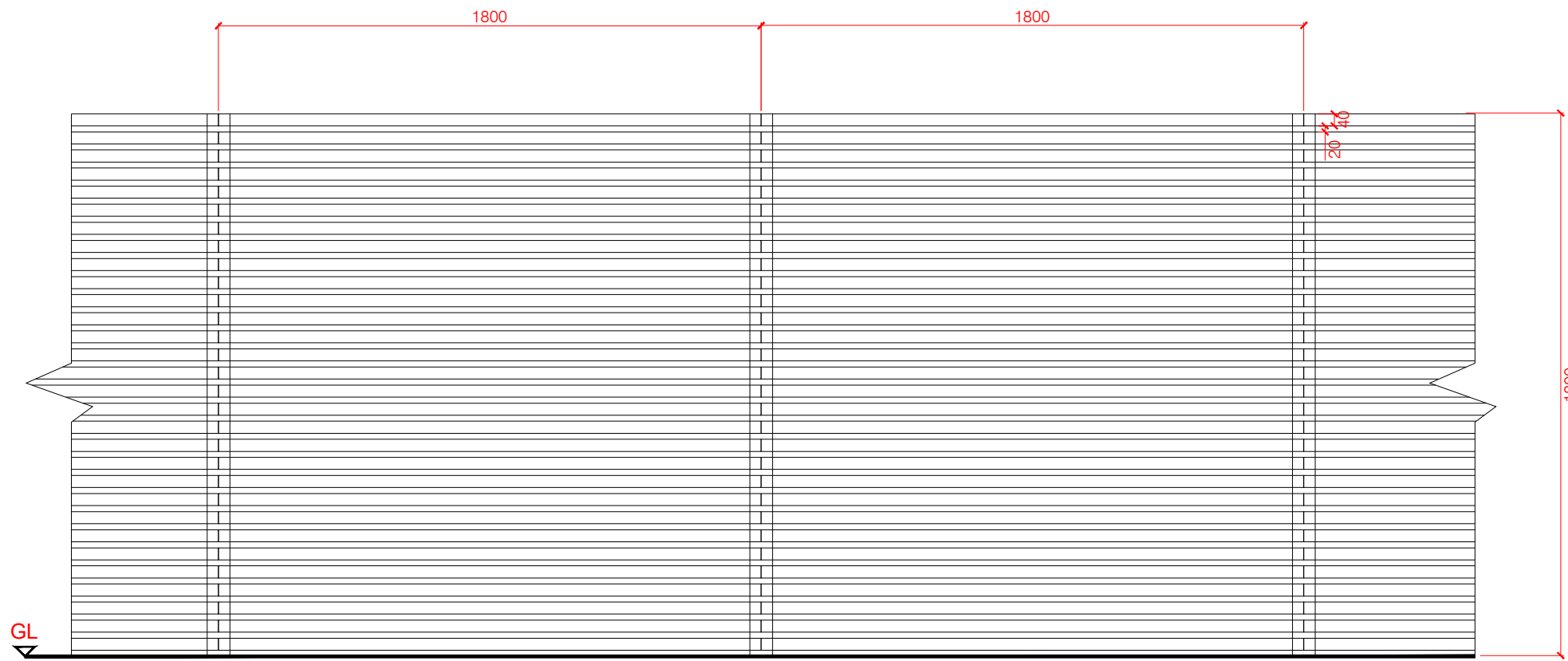
Front Elevation

W1
sheet
Mortared Stone Wall
Scale: 1:20

Description: contemporary timber fence to plot boundaries.

Material: Larch timber
Dimensions: 75 x 75 x 2500mm uprights @1800mm centres
40 x 25 x 1750mm Battons

Colour: Natural
Foundation and Structural requirements: Refer to engineers details



Fe4
sheet
Timber fence to plot boundaries
Scale: 1:20

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Registered Address: 2nd Floor | Quadrant Two | 2 Lister Square | Edinburgh | EH3 9GL

Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
BOUNDARY TREATMENTS

Scale Bar 0.2m 0.4m 0.6m 0.8m 1.0m			
Scale:	1:20@A1	Date:	AUGUST 2024
By:	bs	Status:	PLANNING
Checked:	nt	Approved:	bp

Drawing Number DBL-OPE-ZZ-XX-DR-L-902105	Rev 01
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PM1 - Planter Planting - Tree under planting									
Name				Details			Specification		
Code	Image	Species	Common Name	Notes	Ultimate height / spread (m)	Ecological Value	Pot size	Planting Density	% Mix
Evergreen Grasses/ferns (40%)									
Ble		Blechnum spicant	Hard fern	Flowers: - Type: Tufted grass Foliage: Evergreen Conditions: Full or partial shade	Form: Clump forming H: 0.5 S: 0.45		2L pot	9 pots per m2	20
Luz		Luzula nivea	Snowy woodrush	Flowers: Jan-Jul Type: Clumping grass Foliage: Evergreen Conditions: Full or partial shade	Form: Clump forming H: 0.6 S: 0.45		2L pot	9 pots per m2	20
Matrix/filler/ground cover plants (60%)									
HeA		Helleborus argutifolius	Corsican hellebore	Flowers: Jan-Mar Type: Perennial Foliage: Evergreen Conditions: Partial shade, tolerates full sun	Form: Clump forming H: 0.9 S: 0.5		2L pot	9 pots per m2	20
Lir		Liriope Muscari variegata	Lily turf	Flowers: Aug - Nov Type: Perennial Foliage: Evergreen Conditions: Full sun, partial shade	Form: Clump/spreading H: 0.3 S: 0.45		2L pot	9 pots per m2	20
Ger		Geranium x oxianianum 'Katherine Adele'	Cranesbill	Flowers: May-Oct Type: Perennial Foliage: Evergreen Conditions: Full sun or partial shade	Form: Clump/spreading H: 0.5 S: 0.35		2L pot	9 pots per m2	20
Bulbs (bulbs to be planted across 40% of planting area)									
Gn		Galanthus nivalis	common snowdrop	Flowers: Winter Type: Perennial bulb Foliage: Deciduous Conditions: Partial Shade Note: Plant under deciduous trees	Form: Columnar H: 0.15 S: 0.1		Planting depth: 100mm	50 bulbs per m2	33
Np		Narcissus 'Barrett Browning'	Small-Cupped Daffodil	Flowers: Winter / Early spring Type: Perennial bulb Foliage: Deciduous Conditions: Full sun or partial shade	Form: Narrow clump H: 0.35 S: 0.1		Planting depth: 100mm	50 bulbs per m2	33
Cro		Cyclamen hederifolium	Ivy leaved cyclamen	Flowers: Oct/Nov Type: Corm Foliage: Deciduous Conditions: Full sun or partial shade	Form: Clump H: 0.12 S: 0.15		Planting depth: 100mm	50 bulbs per m2	33

S1 sheet

Shrub mix 01

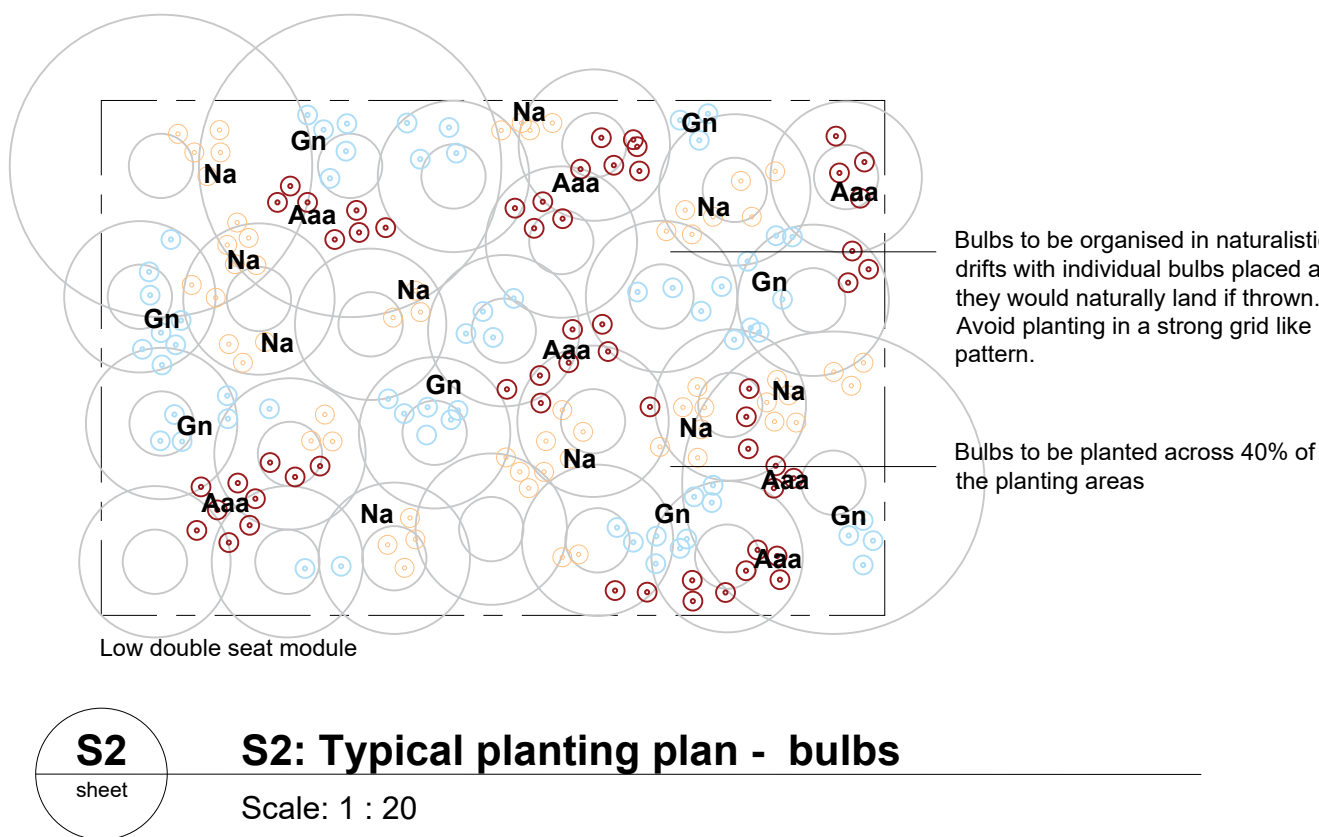
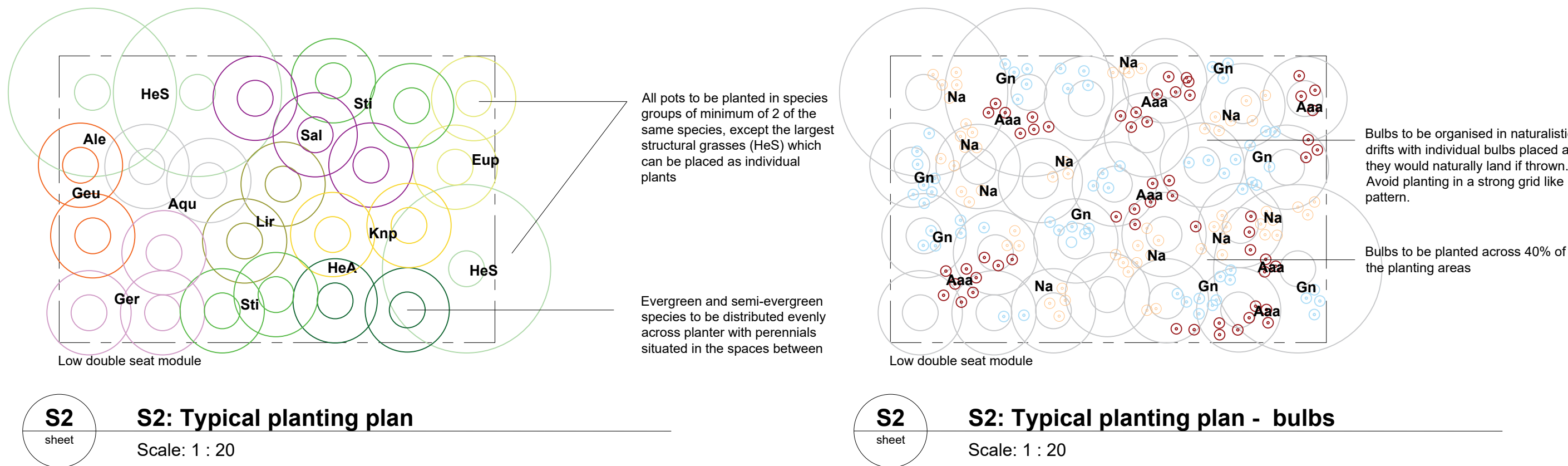
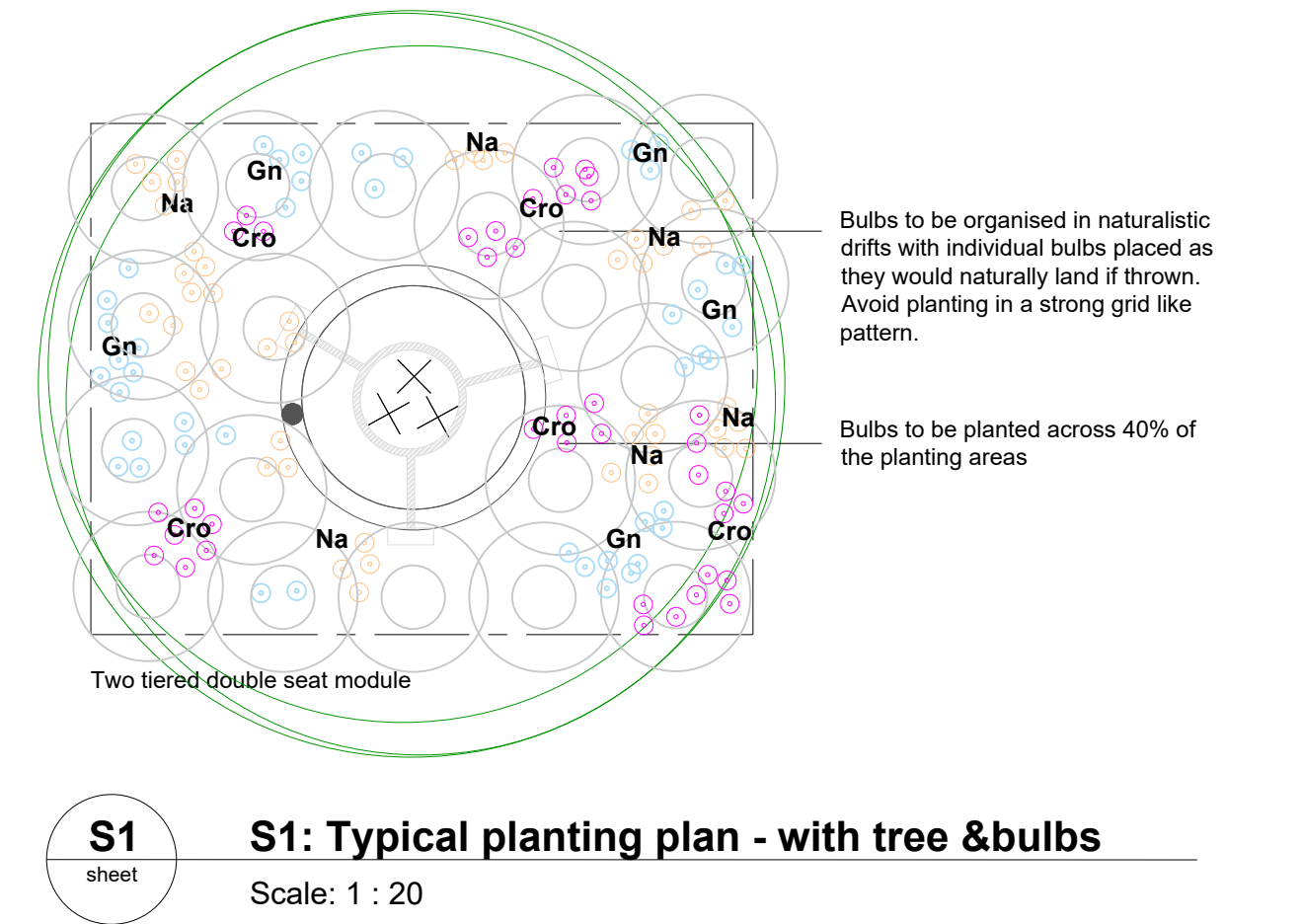
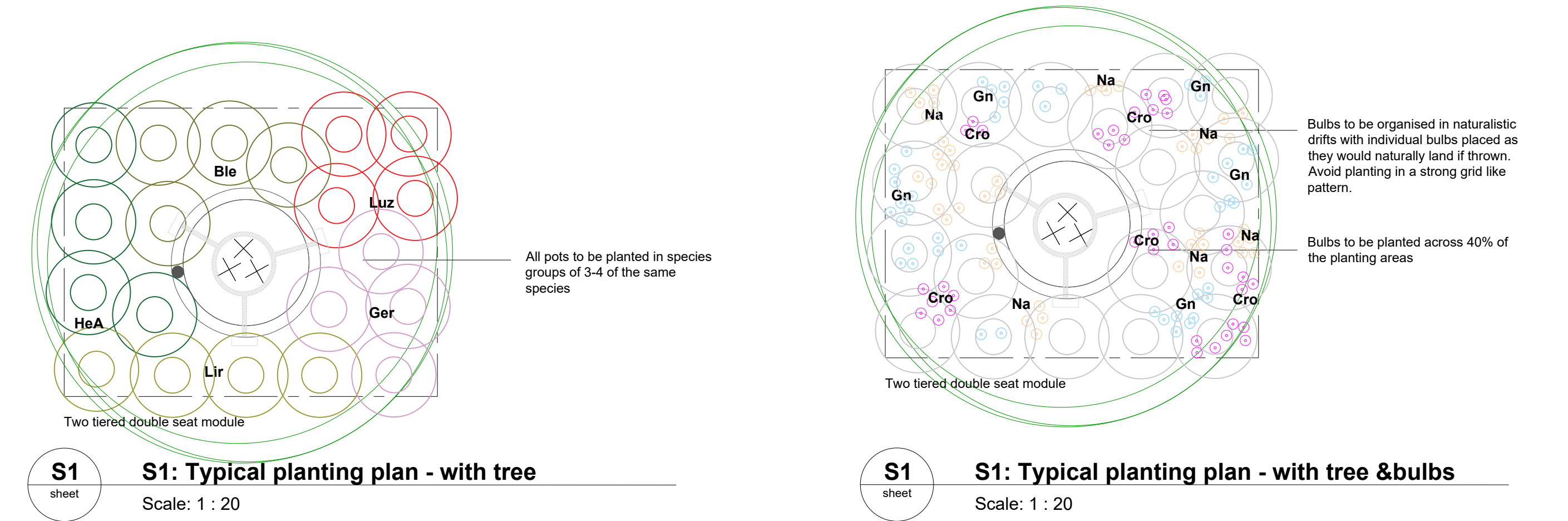
Scale: 1 : 20

S2 - Planter Planting - Structural grasses and perennials									
Name				Details			Specification		
Code	Image	Species	Common Name	Notes	Ultimate height / spread (m)	Ecological Value	Pot size	Planting Density	% Mix
Structural Grasses (20%)									
HeS		Helictotrichon sempervirens	Blue Oat Grass	Flowers: June - July Type: Evergreen grass Foliage: Evergreen Conditions: Full sun, tolerates light shade	Form: Tufted H: 1.4 S: 0.6		2L pot	4 pots per m2	10
Sti		Stipa tenuissima	Pony tails	Flowers: Jun-Sep Type: tufted Foliage: Semi-Evergreen Conditions: Full sun	Form: Clump forming H: 0.6 S: 0.3		2L pot	9 pots per m2	10
Matrix/filler/ground cover plants (40%)									
HeA		Helleborus argutifolius	Corsican hellebore	Flowers: Jan-Mar Type: Perennial Foliage: Evergreen Conditions: Partial shade, tolerates full sun	Form: Clump forming H: 0.9 S: 0.5		2L pot	9 pots per m2	10
Lir		Liriope Muscari variegata	Lily turf	Flowers: Aug - Nov Type: Perennial Foliage: Evergreen Conditions: Full sun, partial shade	Form: Clump/spreading H: 0.3 S: 0.45		2L pot	9 pots per m2	10
Ger		Geranium x oxianianum 'Katherine Adele'	Cranesbill	Flowers: May-Oct Type: Perennial Foliage: Evergreen Conditions: Full sun or partial shade	Form: Clump/spreading H: 0.5 S: 0.35		2L pot	9 pots per m2	10
Eup		Euphorbia seguieriana subsp. Nicotiana	Spurge	Flowers: May-Sep Type: Perennial Foliage: Semi-evergreen Conditions: Full sun	Form: Clump forming H: 0.5 S: 0.45	Insects and pollinators	2L pot	9 pots per m2	10
Flowering perennials / seasonal interest (40%)									
Aqu		Aquilegia vulgaris var. stellata 'White Barlow'	Columbine 'White Barlow'	Flowers: May-Jun Type: Perennial Foliage: Deciduous Conditions: Full sun or partial shade	Form: Upright H: 0.9 S: 0.45		2L pot	9 pots per m2	10
Sal		Salvia nemorosa 'Caradonna'	Balkan dary	Flowers: Jun - Oct Type: Perennial Foliage: Deciduous Conditions: Full sun or partial shade	Form: Clump forming H: 0.5 S: 0.3		2L pot	9 pots per m2	10
Geu		Geum 'Princes Juliana'	Avens	Flowers: Jun - Oct Type: Perennial Foliage: Deciduous Conditions: Full sun	Form: Clump forming H: 0.5 S: 0.3		2L pot	9 pots per m2	10
Knp		Kniphofia 'Bees Lemon'	Red hot poker	Flowers: Aug-Sep Type: Perennial Foliage: Deciduous Conditions: Full sun	Form: Clump forming H: 1 S: 0.6		2L pot	9 pots per m2	10
Bulbs (bulbs to be planted across 40% of planting area)									
Gn		Galanthus nivalis	common snowdrop	Flowers: Winter Type: perennial bulb Foliage: Deciduous Conditions: Partial Shade Note: Plant under deciduous trees	Form: Columnar H: 0.15 S: 0.1		Planting depth: 100mm	50 bulbs per m2	33
Np		Narcissus 'Barrett Browning'	Small-Cupped Daffodil	Flowers: Winter / Early spring Type: perennial bulb Foliage: Deciduous Conditions: Full sun or partial shade	Form: Narrow clump H: 0.35 S: 0.1		Planting depth: 100mm	50 bulbs per m2	33
Aaa		Allium sphaerocephalon	Drumstick Allium	Flowers: Jul/Aug Type: Perennial bulb Foliage: Deciduous Conditions: Full sun Note: Plant away from shaded canopies	Form: Tuft H: 0.08 S: 0.9		Planting depth: 100mm	50 bulbs per m2	33

S2 sheet

Shrub mix 2

Scale: 1 : 20



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Client

Monaghan County Council

Project

Dublin Street North

Monaghan

Drawing Title

DETAILS

Soft Landscape Planting 01

Scale Bar

0.2m 0.4m 0.6m 0.8m 1.0m

Scale: 1:20@A1 Date: AUGUST 2024

By: bs Status: PLANNING

Checked: nt Approved: bp

Drawing Number

DBL-OPE-ZZ-XX-DR-L-902201

Rev

01

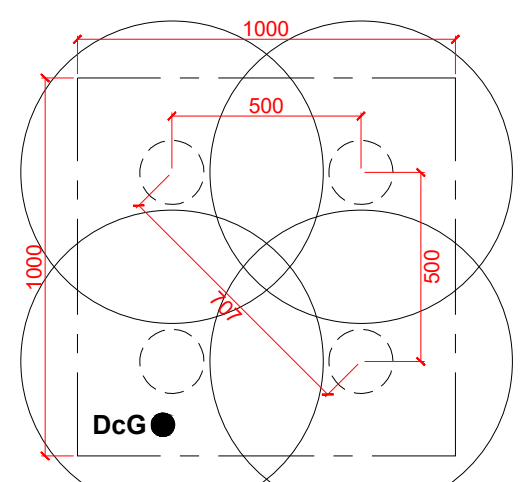
Name				Details			Specification		
Code	Image	Species	Common Name	Notes	Ultimate height / spread (m)	Ecological Value	Pot size	Planting Density	% Mix
Grasses									
Cac		<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	feather reed grass 'Karl Foerster'	Flowers: Summer Type: Deciduous grass Foliage: Deciduous Conditions: Full sun or partial shade	Form: Tufted H: 1-1.5 S: 0.5-1		2L pot	4 pots per m2	10
DcG		<i>Deschampsia cespitosa 'Goldtau'</i>	Tufted hair grass	Flowers: Summer Type: Tufted grass Foliage: Evergreen Conditions: Full sun or partial shade	Form: Bushy H: 0.5 - 1 S: 0.5 - 1		2L pot	4 pots per m2	10
Lus		<i>Luzula sylvatica</i>	great wood-rush	Flowers: Summer Type: Tufted grass Foliage: Evergreen Conditions: Full sun to full shade	Form: Clump forming H: 0.8 S: 1-1.5		2L pot	4 pots per m2	10
Herbaceous Perennials									
APR		<i>Astilbe 'Purple Rain'</i> <i>PBR (x. 'arendsi')</i>	Chinese astilbe 'Purple Rain'	Flowers: Summer Type: Rhizomatous herbaceous perennials Foliage: Deciduous Conditions: Full sun or partial shade	Form: Vigorous Clump-forming H: 0.6 S: 0.1-0.5		2L pot	9 pots per m2	10
Soff		<i>Stachys officinalis 'Hummelo'</i>	betony 'Hummelo'	Flowers: Early-mid summer Type: Perennial Foliage: Semi-evergreen Conditions: Full sun or partial shade	Form: Clump forming H: 0.5-1 S: 0.1-0.5		2L pot	9 pots per m2	10
Pb		<i>Persicaria bistorta</i>	common bistort	Flowers: June-September Type: Herbaceous perennial Foliage: Semi-evergreen Conditions: Full sun to partial shade	Form: Clump-forming H: 0.5-1 S: 0.5-1		2L pot	9 pots per m2	10
HL		<i>Hemerocallis 'Liljaasp'</i> <i>hodieus 'yellow daylily'</i>	yellow daylily	Flowers: Summer Type: Herbaceous perennial Foliage: Deciduous Conditions: Full sun	Form: Clump-forming H: 0.5-1 S: 0.5-1		2L pot	4 pots per m2	10
Groundcover									
Evs		<i>Epimedium x versicolor 'Sulphureum'</i>	barrenwort 'Sulphureum'	Flowers: Spring Type: spreading perennial Foliage: Semi-evergreen Conditions: Full shade / partial shade	Form: Mat forming H: 0.35 S: 0.35		9cm pot	9 pots per m2	15
Pd		<i>Phlox douglasii 'Boothman's Variety'</i>	phlox 'Boothman's Variety'	Flowers: Late spring/summer Type: rhizomatous perennial Foliage: Evergreen Conditions: Full sun to partial shade	Form: Clump forming, trailing Columnar/upright H: 0.4 S: 0.1-0.5		2L pot	4 pots per m2	15
Bulbs (bulbs to be planted across 40% of the planting area)									
Np		<i>Narcissus papayracus (13)</i>	paper-white daffodil	Flowers: Winter / Early spring Type: perennial bulb Foliage: Deciduous Conditions: Full sun or partial shade	Form: Narrow clump H: 0.35 S: 0.1		Planting depth: 100mm	50 bulbs per m2	25
Aaa		<i>Allium offatunense ambig</i>	Allium	Flowers: Late spring / early summer Type: perennial bulb Foliage: Deciduous Conditions: Full sun o partial shade	Form: Narrow clump H: 0.5-1 S: 0.1-0.5		Planting depth: 150mm	25 bulbs per m2	25
CIA		<i>Camassia leichtlinii 'Alba'</i>	Californian white-flowered quamash	Flowers: Late spring Type: Bulbous perennial Foliage: Deciduous Conditions: Full sun / partial shade	Form: Upright H: 0.5 - 1m S: 0.1 - 0.5m		Planting depth: 80mm	25 bulbs per m²	25
Nsi		<i>Nectaroscordum siculum</i>	Sicilian honey garlic	Flowers: Early summer Type: Bulb Foliage: Deciduous Conditions: Full or partial shade	Form: Clump forming H: 0.2m S: 0.1		Planting depth: 150mm	25 bulbs per m2	25

S3

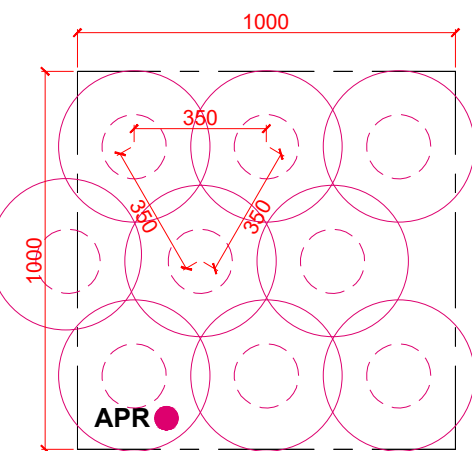
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S3 - Raingardens mix - Planting Specification

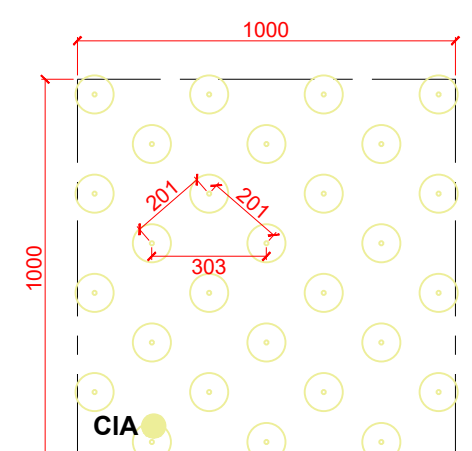
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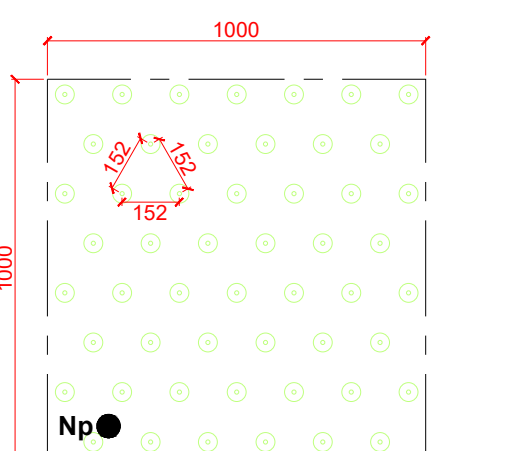
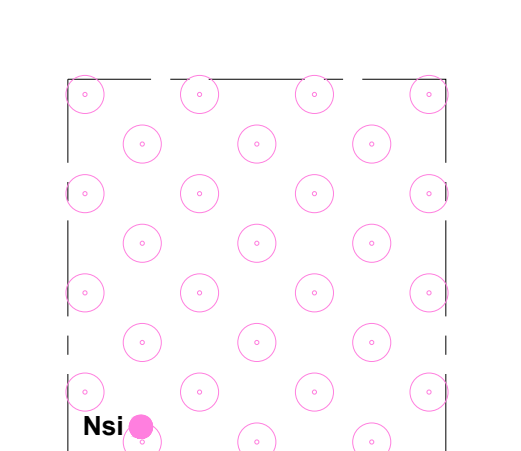
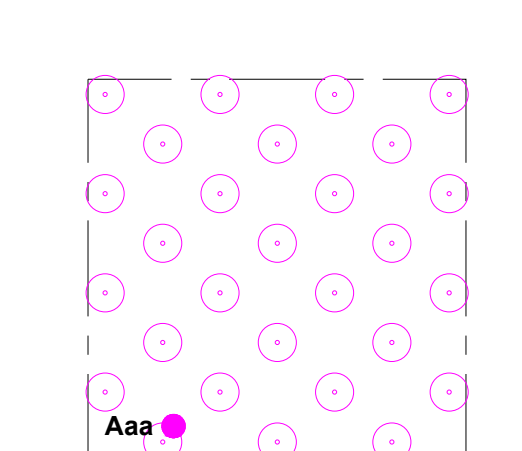
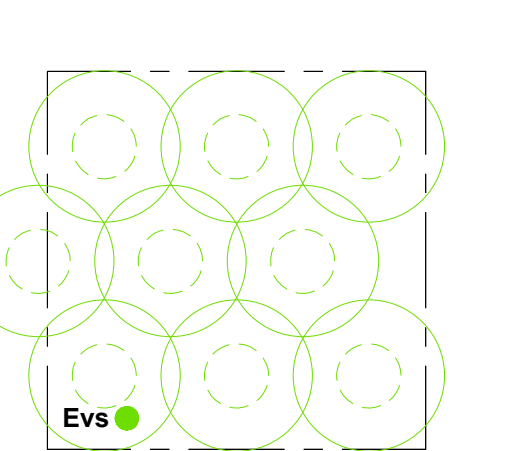
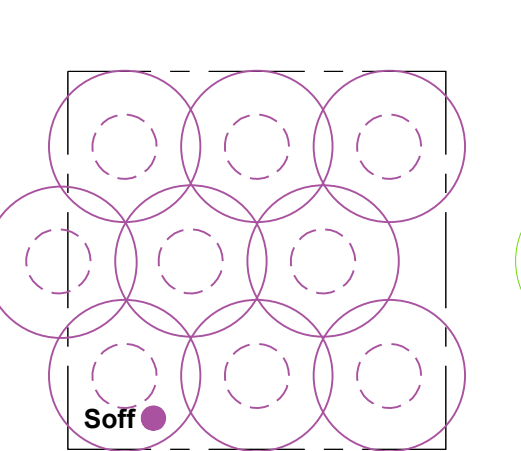
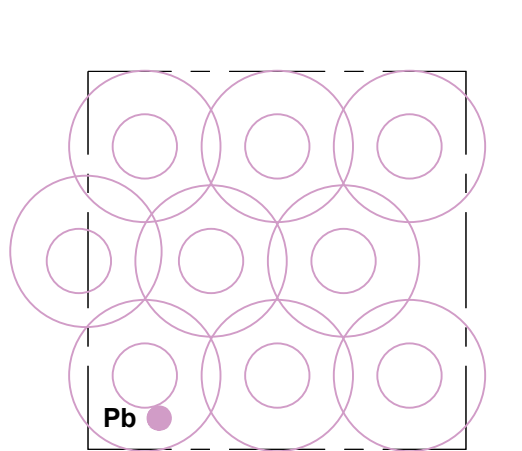
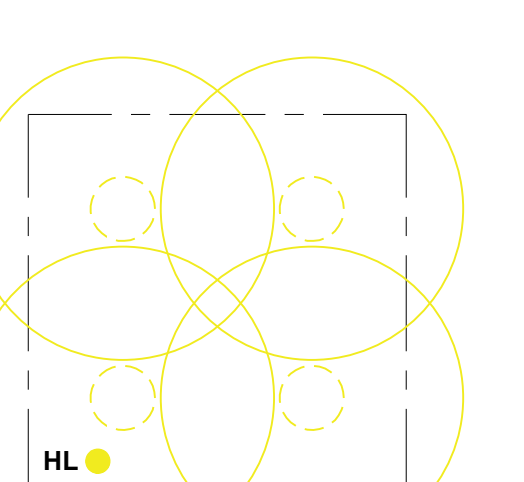
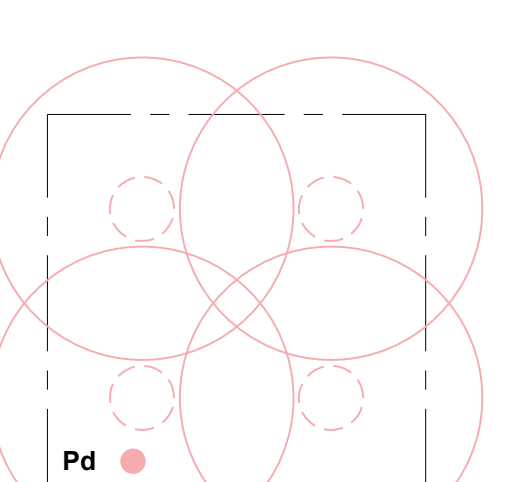
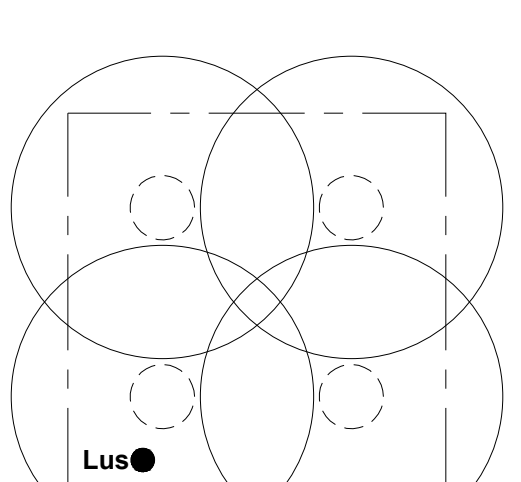
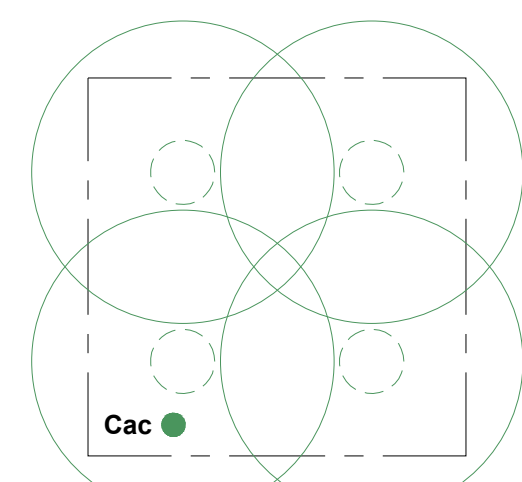
4 plants /m2
Codes: DcG, Cac, Lus, Pd and HL (medium perennials and grasses)



9 plants /m2
Codes: APR, Pb, Soff and Evs (small perennials and ground covering plants)



25 plants /m2
Codes: CIA, Aaa and Nsi (medium bulbs)



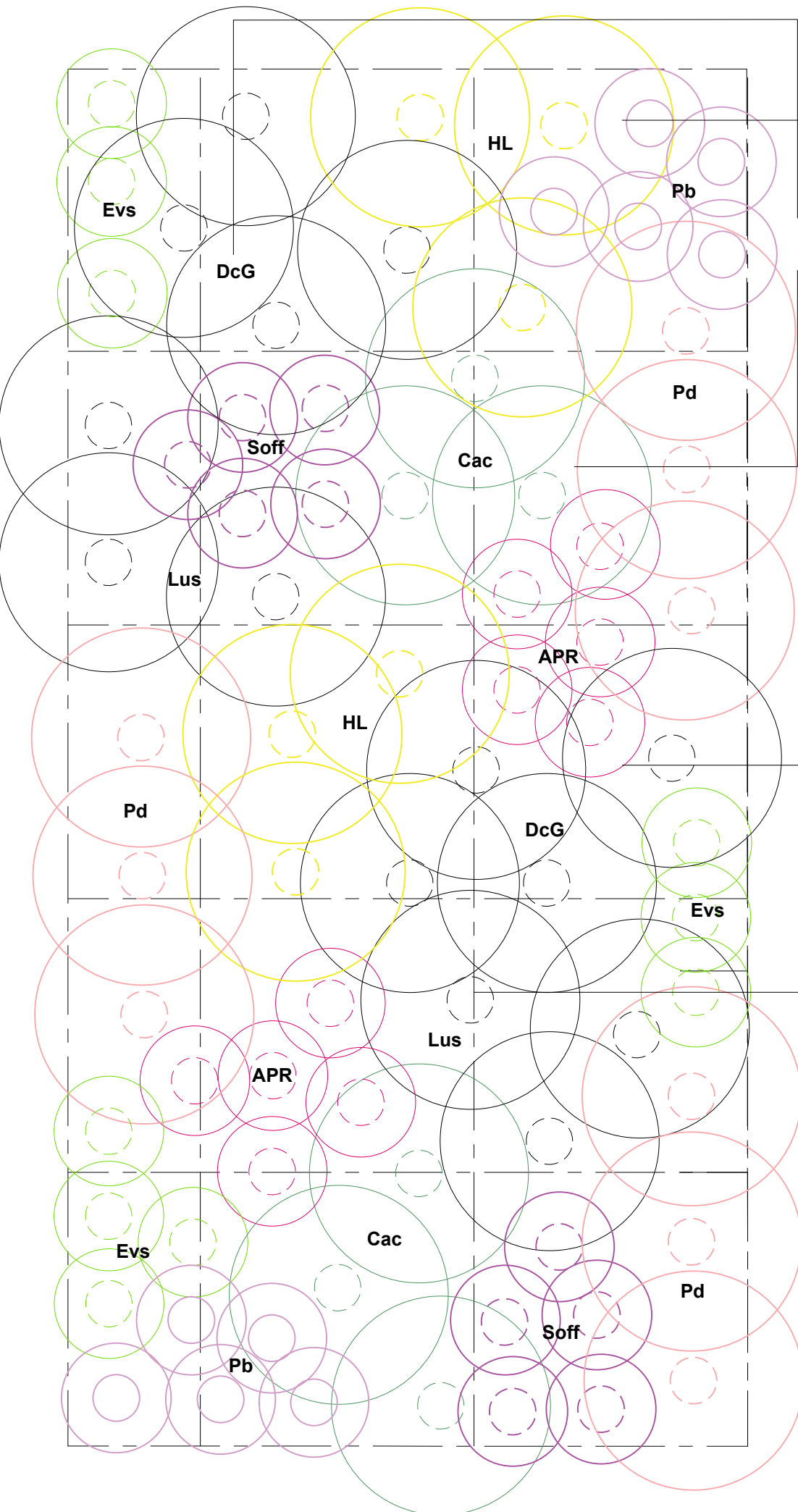
50 plants /m2
Codes: Np (small bulbs)

S2

sheet

S2: Raingarden Mix - Typical planting plan

Scale: 1 : 20



Plants that prefer wetter conditions to be preferentially located at inlets

Species groups to be interspersed to create variety across the planting area

All pots to be planted in species groups of minimum of 3 of the same species

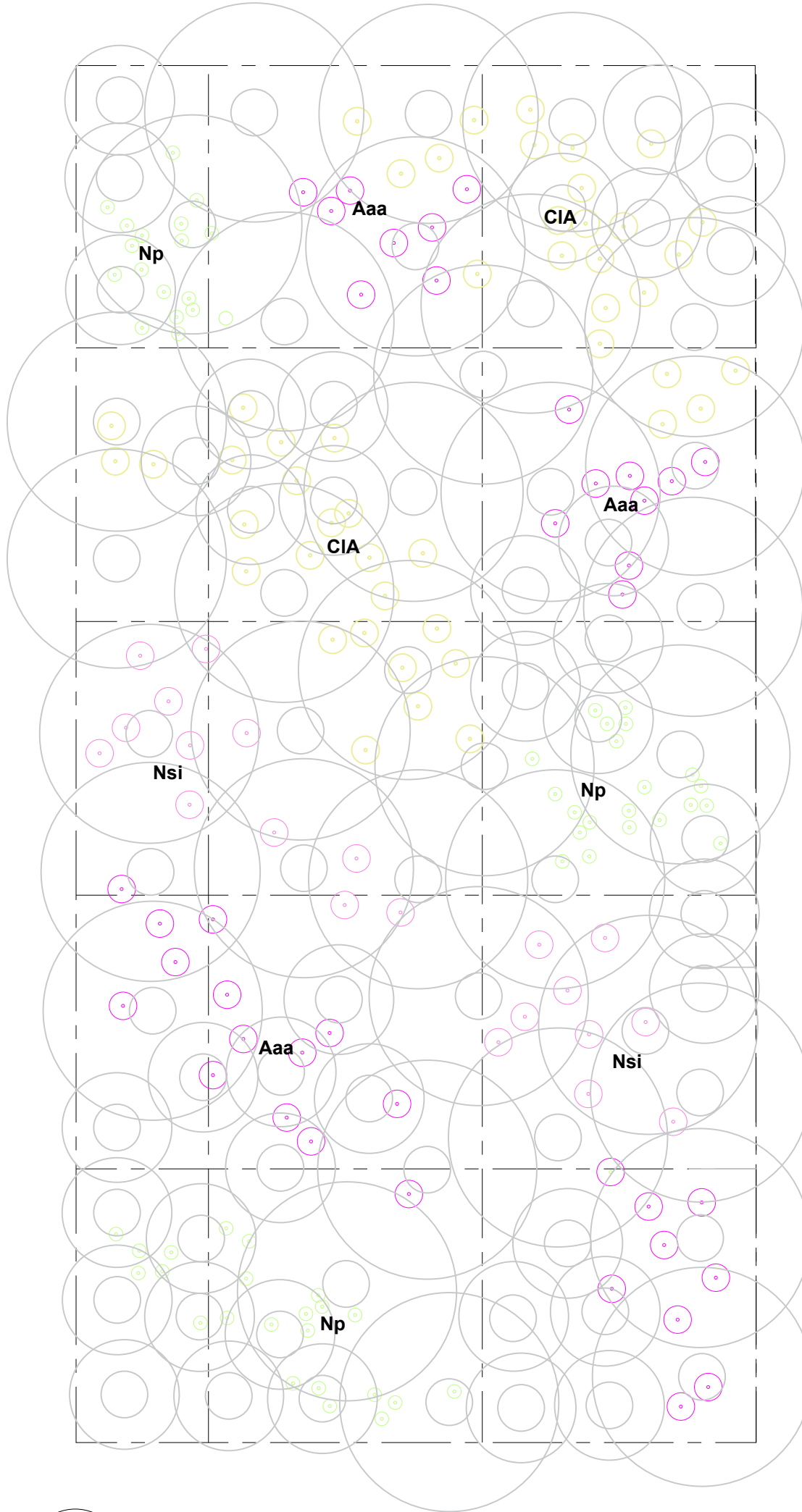
Taller grasses (Lus, Cac and DcG) to be positioned in the center of the bed

S2

sheet

S2: Raingarden Mix - Typical planting plan (bulbs)

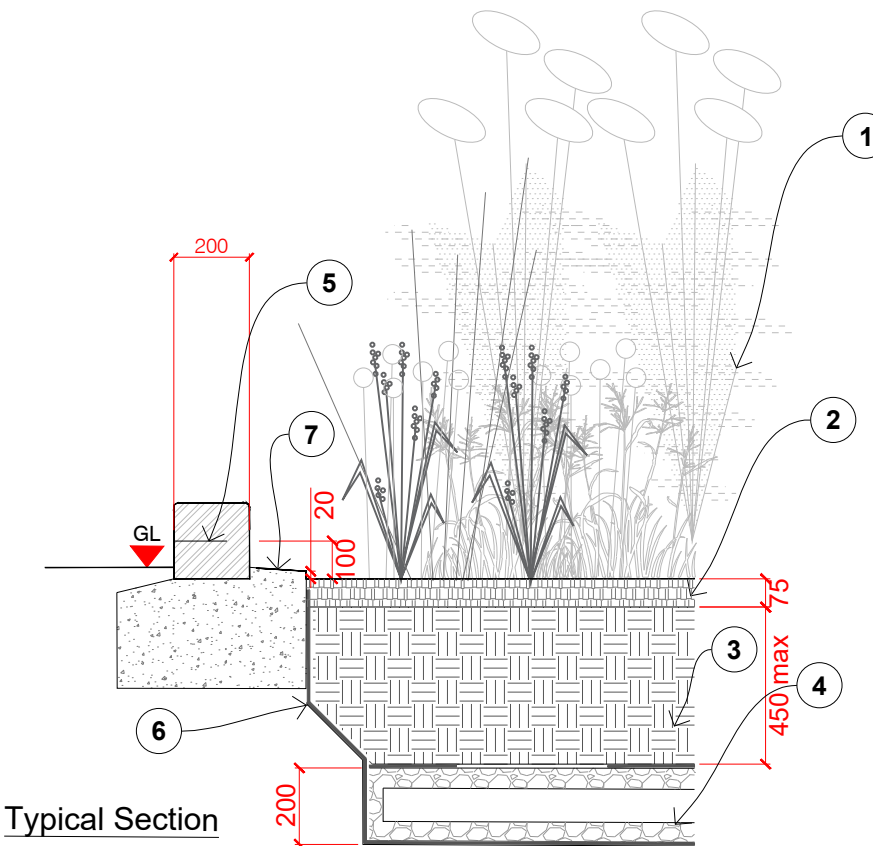
Scale: 1 : 20



Typical section through rain garden edge

Detail:

1. S3 Planting mix to rain gardens. Refer to GA for location(s) and planting tables for species, size and density.
2. 75mm layer of bark mulch.
3. Backfill with clean, weed free, free draining approved imported composite topsoil min 400mm -max 450 mm consolidated depth placed in 150mm layers and lightly consolidated. Plant shrubs incorporating 450g ENmag (Scotts professional Tel: 01473 2011050 Or equal approved) , 200 L peat free compost and 100 L LECA granules ensuring that free draining backfill connects full depth with drainage layer. Top soil and all additives to be handled in suitable weather conditions and protected once placed. Refer to Landscape specification for further information.
4. Drainage layer - Refer to Civil Engineers information.
5. castellated kerb refer to civil engineers information.
6. Non woven, needle punched polypropylene geotextile to BS EN 13252:2014 to provide separation between rain garden filter medium and drainage layer.
7. Concrete haunching to E4 kerb to be exposed and provide 20mm upstand to mulch.



Typical Section

Note: Refer to GA for location(s) and planting tables for species, size and density

S3

sheet

901651

Typical Section Rain Garden Edge

Scale: 1:20

S2

sheet

901651

S2: Raingarden Mix - Planting Densities

Scale: 1 : 20

NOTES

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4. This drawing must not be copied in whole or in part without prior written consent of Optimised Environments Ltd.
5. Survey information is based upon aspect surveyors Topographical as Survey.

KEY PLAN

02	Drawing updated Issued for Planning	nt	29.01.25
01	Issued for Planning	nt	29.11.24
-	First Issue - Issued for information	nt	09.08.24
Issue	Revision	Initial	Date

open

optimised environments

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Client

Monaghan County Council

Project

Dublin Street North

Monaghan

Drawing Title

DETAILS

Soft Landscape Planting 02

Scale Bar
0.2m 0.4m 0.6m 0.8m 1.0m

Scale: 1:20@A1 Date: AUGUST 2024

By: bs Status: PLANNING

Checked: nt Approved: bp

Drawing Number
DBL-OPE-ZZ-XX-DR-L-902202
Rev
02

Computer File: P:\2022\221769_Dublin St NH\CAD\AUTOCAD\SHEETS

TOPSOIL GENERAL

Imported multi purpose topsoil to be provided to all planting areas to meet meet any shortfall in required minimum depths set out opposite and the specification within BS3882:2015 Quantity and requirements to be determined following testing of site won topsoil stockpiles.

Topsoil maximum stone size:

- Max Stone Size 20mm

Storing / placing / handling / preparing for topsoil

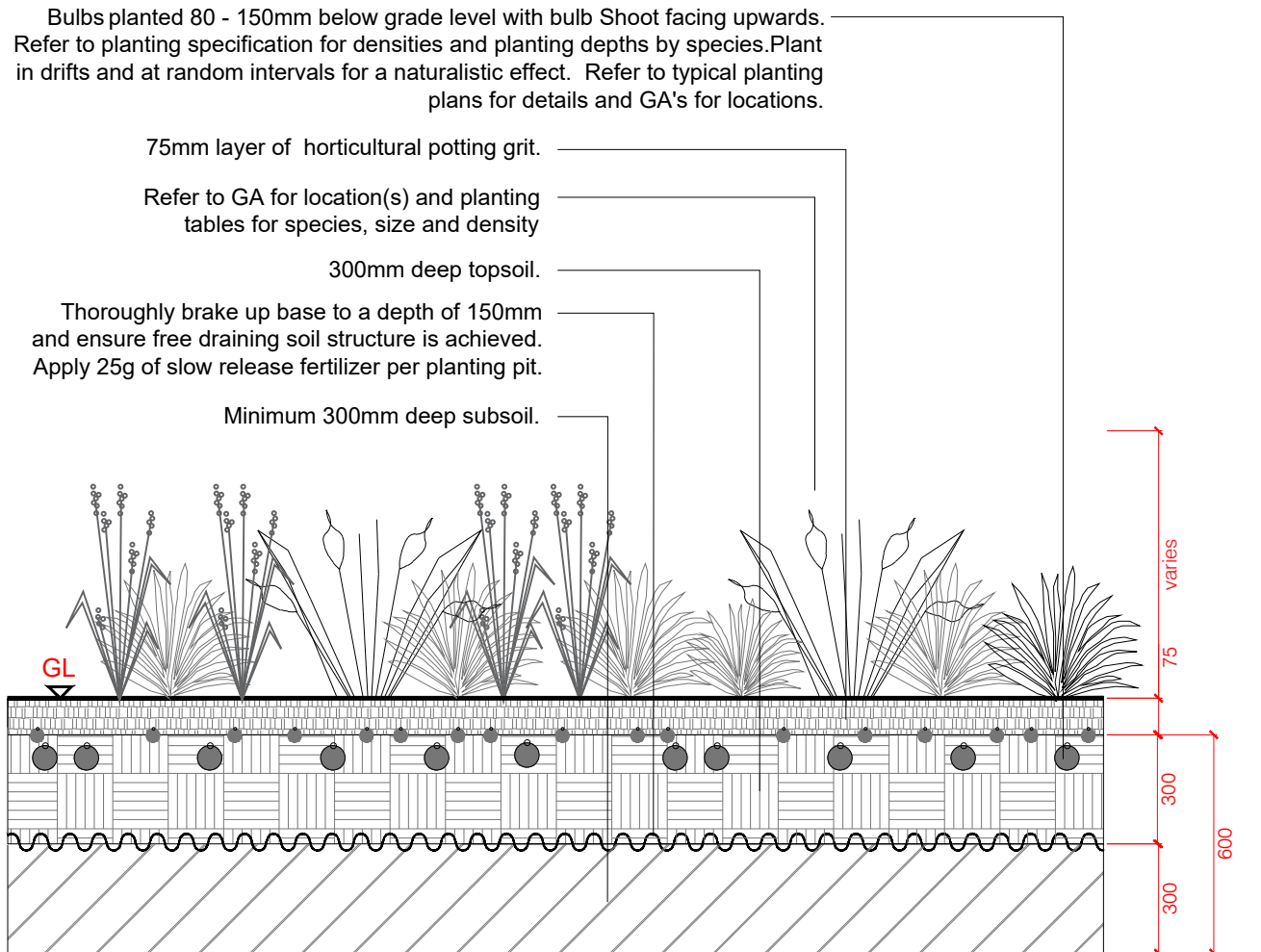
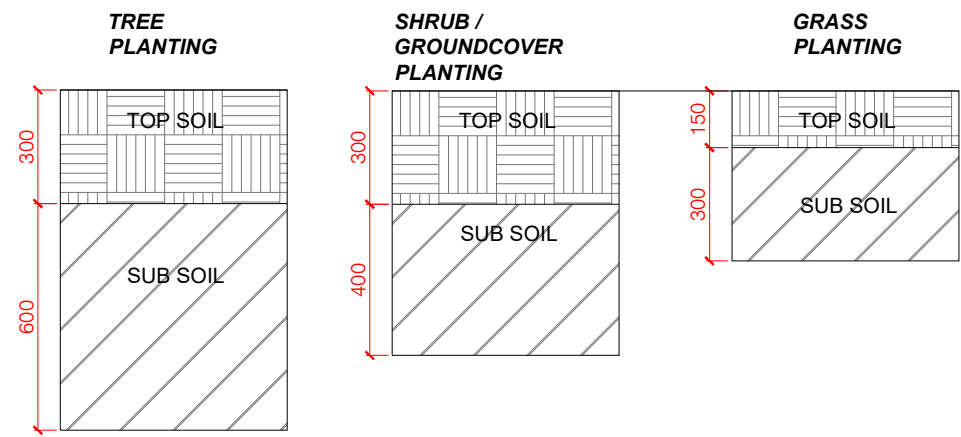
- Topsoil to be stored and handled following recommendations set out within Annex A of BS3882:2015 (*Recommendations for stripping, handling and preparing topsoil*)

SUBSOIL

- Imported subsoil to be provided to meet any shortfall in required minimum depths set out opposite.
- Subsoil to meet requirements of 'BS 8601:2013 Specification for subsoil and requirements for use.'
- Quantity and requirements to be determined following testing of site won Subsoil stockpiles.

Storing / placing / handling / of subsoil

- Subsoil to be stored and handled following recommendations set out within Annex A of BS3882:2015 (*Recommendations for stripping, handling and preparing topsoil*)

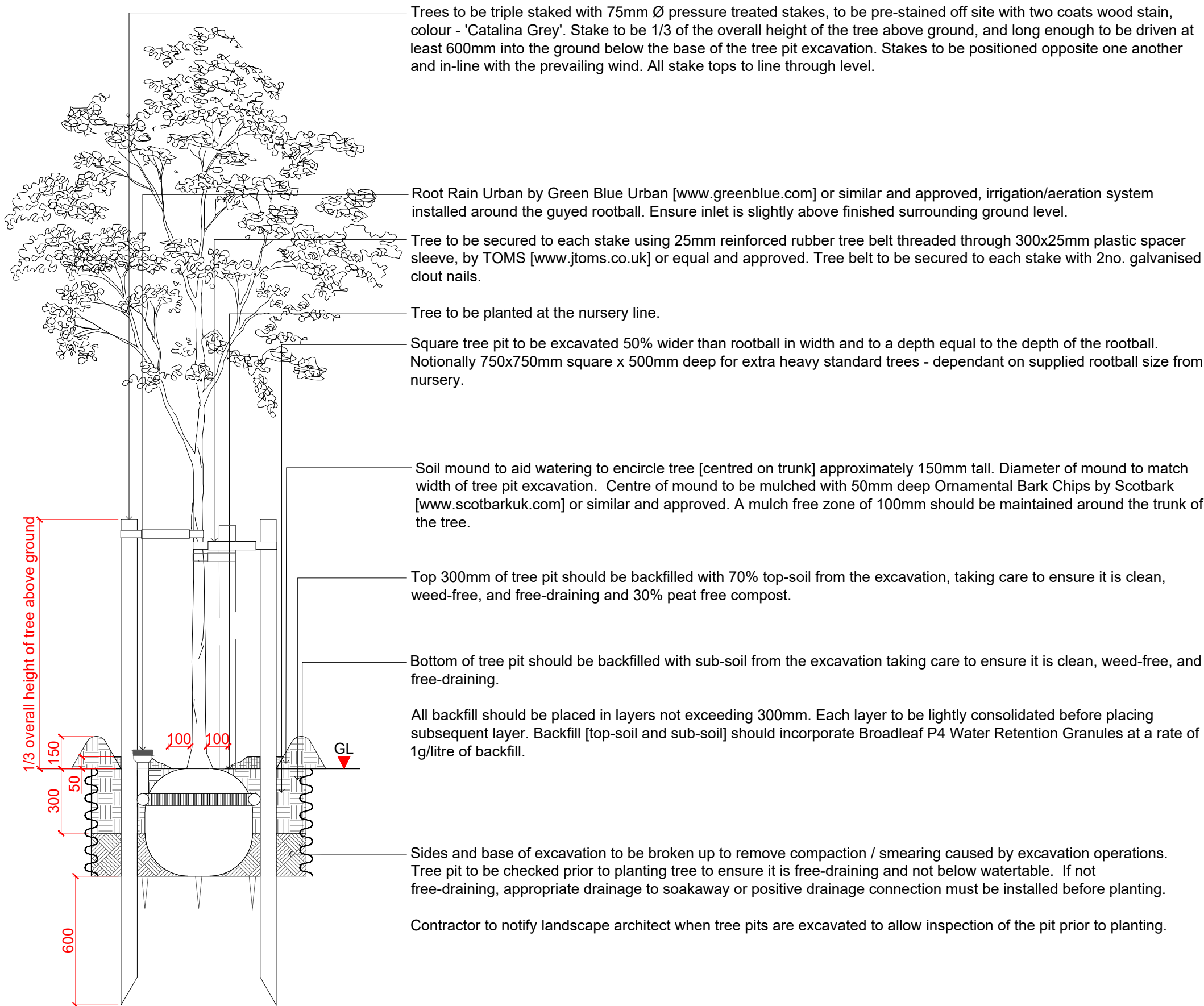


Typical Section

Note: Refer to GA for location(s) and planting tables for species, size and density

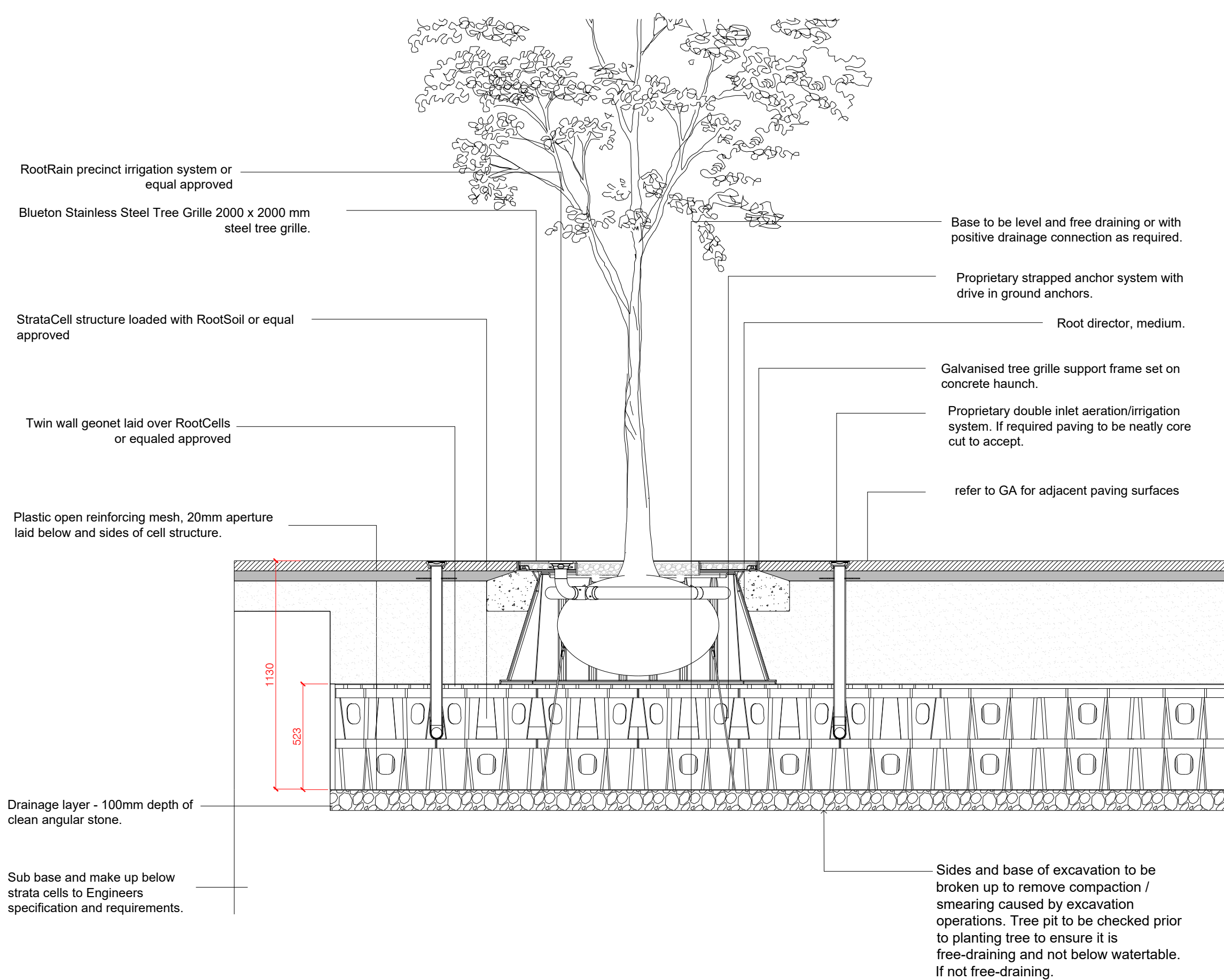
S1/S2/S3 Shrub and Herbaceous Mixes

Scale: 1:20



Tree Planting in Soft Landscape

Scale: 1:20



Tree Pit in Hard

Scale: 1 : 20

NOTES

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KEY PLAN

Issue	Revision	Initial	Date
02	Drawing updated. Issued for Planning	nt	09.01.20
01	Issued for Planning	nt	09.09.24
-	First Issue - Issued for information	nt	09.08.24

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Client
Monaghan County Council

Project
Dublin Street North
Monaghan

Drawing Title
DETAILS
Soft Landscape Planting 03

Scale Bar
0.2m 0.4m 0.6m 0.8m 1.0m

Scale: 1:20@A1 Date: AUGUST 2024

By: bs Status: PLANNING

Checked: nt Approved: bp

Drawing Number
DBL-OPE-ZZ-XX-DR-L-902203 Rev
02

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