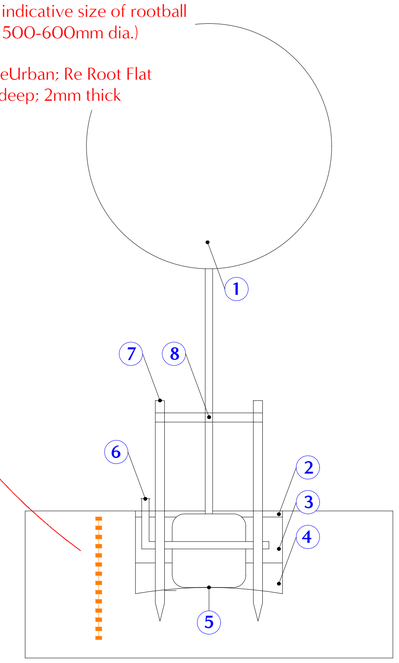
Dashed orange line denotes root barrier position to safeguard drainage infrastructure

Orange circle denotes indicative size of rootball at time of planting (i.e. 500-600mm dia.)

Root barrier: GreenBlueUrban; Re Root Flat (2000/RootStop); 1m deep; 2mm thick

TREE PIT DETAIL - 1:25 on A1

TREE PIT 1) Heavy standard tree (see schedule); 2) 50mm settled depth medium grade bark mulch width of tree pit; 3) 400mm top soil (see specification); 4) Subsoil (see specification); 5) Slightly domed and broken up base of tree pit to aid drainage; 6) Perforated irrigation pipe around rootball ~250mm below surface; 7) Tree stake fitted with low cross bar secured with galvanised / zinc coated nails; 8) Tree secured to cross bar with rubber tree ties



NEW ENCLOSURE
LANDSCAPE CONSULTANTS

specialists in the creation of spaces for **people + nature**

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EXISTING TREE

PROPOSED TREE
SEE PLANT SCHDULE AND SPECIFICATION FOR FURTHER INFORMATION

PROPOSED HEDGE
SEE PLANT SCHEDULE AND SPECIFICATION FOR FURTHER INFORMATION

PROPOSED PLANTING
SEE PLANT SCHEDULE AND SPECIFIATION FOR FURTHER INFORMATION

PROPOSED DECORATIVE GRAVEL
ANGULAR, MEDIUM SIZE FRACTION; LOCALLY SOURCED; BUFF COLOUR

PROPOSED ACCESS
TOBERMORE HYDROPAVE TEGULA 240 CHARCOAL (PERMEABLE) 240 x 120 x 80mm

PROPOSED SHARED SPACE / ACCESS
TOBERMORE HYDROPAVE TEGULA 240 BRACKEN (PERMEABLE) 240 x 120 x 80mm

PROPOSED PEDESTRIAN / PRIVATE SURFACE
TOBERMORE HYDROPAVE TEGULA DUO BRACKEN (PERMEABLE) 208 AND 173 x 173 x 60mm

PROPOSED BOUNDARIES
SOLID LINE DENOTES METAL VERTICAL BAR FENCE PAINTED/SPRAYED RAL GUNMETAL GREY TO MATCH BUILDING DETAILS; DASHED LINE DENOTES DWARF RETAINING WALL SURMOUNTED WITH TIMBER CLOSEBOARD FENCE TO 1.8m

DWELLING ACCESS POINTS

SOFTWORKS SPECIFICATION

CODES OF PRACTICE, RECOMMENDATIONS, AND SPECIFICATIONS

Further to the output provided by New Enclosure, consideration is to be given to the output of other project team consultants (e.g. architect, ecologist, arboriculturalist, etc.), the Local Planning Authority, and relevant statutory and non-statutory guidance, including the British Standards noted below. Discrepancies (or similar) are to be reported to New Enclosure (and where relevant the client, project team, and Local Planning Authority) in writing to seek clarification and/or resolution before proceeding. See title block for contact details for New Enclosure.

British Standards:

- Works to be carried out with consideration for the current version of 'BS4428 - Code of practice for general landscape operations (excluding hard surfaces)'
- Plants (including trees) to be compatible with current versions of the 'BS3936 - Nursery Stock ...' series; turf to be to be compatible with current version of 'BS3969 - Recommendations for Turf for general purposes'
- Trees to be procured and planted in accordance with the current version of 'BS8545 - Trees: from nursery to independence in the landscape. The nursery is to demonstrate a Plant Healthy Certificate and/or Biosecurity Policy and Plant Passport Scheme.
- Operations involving topsoil to be compliant with the current version of 'BS3882 - Specification for topsoil'. Any imported topsoil must be weed free, aerobic, and natural topsoil (i.e. not screened / man-made) with good crumb structure.
- Operations involving subsoil to be compliant with the current version of 'BS8601 - Specification for subsoil and requirements for use'
- Operations involving existing trees are to be undertaken with consideration for the current versions of 'BS5837 - Trees in relation to design, demolition and construction', and 'BS3998 - Tree work'
- Maintenance to be carried out with consideration for the current versions of the 'BS7370 - Grounds maintenance ...' series

IMPLEMENTATION

Soil

General:

- Remove detritus (for example but not limited to; sticks, weeds, pieces of brick, concrete, glass, wire, canes, ties, prunings, wrapping materials, rubbish, stones >25mm)
- Protect soil from migration, compaction, and contamination
- Any imported topsoil bought to site is to be in 1 ton bags offloaded by crane/hiab under the direction of a banksman to avoid damage to retained tree canopies. Bags to be placed on ground protection. Distribute topsoil within 24 hours of delivery to ensure quality of topsoil is retained
- Do not mix topsoil and subsoil
- Grading of soils to be done in dry conditions

Topsoil:

- Compliance with British Standard is required. Any imported topsoil must be weed free, aerobic, and natural (not screened / man-made) with good crumb structure
- Topsoil shall be kept weed free by hand
- Carefully break up hard/compacted ground (hand tools only) to maximum depth of 100mm in any RPAs
- Where required loosen, aerate, and break up topsoil to fine tilth (hand tools only) to a maximum depth of 100mm in any RPAs
- If imported topsoil is required, to achieve ideal 350mm topsoil depth*, then do not exceed 100mm above ground build up of imported topsoil in any RPAs. Refer to British Standard 3882 for specification of imported soils and compliance requirements for testing, etc.
- Incorporate PAS100 certified organic matter (OM) as required; organic fertiliser to be incorporated as required. Hedge requires abundant application of organic matter 1 part OM to 5 parts toposil and slow release fertiliser (to manufacturers recommended application rate)

Planting

General:

- If water supply is or is likely to be restricted, do not carry out planting until instructed. If planting has been carried out, obtain instructions on watering
- Keep plants watered and in shade until planted
- Timing of planting works; if soil and climatic conditions are suitable then: deciduous trees and shrubs - Late October to late March; conifers and evergreens - September/October or April/May; herbaceous plants (including marginals) - September/October or April/May; dried bulbs, corms, and tubers - September/October; green bulbs - after flowering in spring; wildflower plugs - Late August to mid November or March/April - aquatic plants: May/June or September/October; grass seed - March to October; wildflower seed - September/October or March/April; container plant stock - at any time if soil and climatic conditions are suitable
- Regarding plant stock, ensure consideration is given for the relevant British Standards
- Unless otherwise directed, planting areas to be mulched with 50mm settled depth medium grade bark mulch
- Do not use peat or products containing peat
- After planting, ensure stock is lightly firmed in around plants without damaging roots to same level as surrounding ground with gentle cambers and no hollows; water thoroughly (full depth of topsoil) and without damaging or displacing plants or soil

Trees:

- Tree pit to have horizontal bases and vertical sides to a depth that allows for top of rootball to be at ground level; base of tree pit to have slightly raised centre; scarify pit bottom and sides: excavated to minimum 600mm wider than rootball, bareroot stock, or container
- Install root barrier: follow supplier instructions for installation
- Backfill with subsoil up to ~400mm depth from ground surface; fill with topsoil up to ground level; install irrigation pipe; create watering dish around tree
- Staking (general): drive at least 300mm into the bottom of the pit before planting; cutoff stake 200mm above tree tie; secure tie to stake using galvanised nail
- Double staking: vertical uprights positioned either side of the tree and positioned perpendicular to prevailing wind direction; secure tree firmly to cross bar with rubber tree tie ~one third of the way up height of the clear stem

Shrubs, herbaceous plants and hedges:

- All excavation to be done by hand unless otherwise agreed in writing
- 150mm wider than full spread of roots and 75mm deeper than root system depth
- Whips to be protected, if desired, by shrub guards

MAINTENANCE

Generally speaking, the landscape should be maintained to the standard required for its use/application

- Keep records of maintenance visits inclusive of: date, time and duration of visit, operations carried out, equipment used, number of staff, issues encountered
- Consult with landscape, arboriculturalists, ecologists, and other related professions if concerns arise regarding any component of the landscape
- Reinstate damage or disturbance to soil structure, planting, plant protection, grass, fencing, hard landscaping, structure or buildings to their original condition
- Control pests and invasive species
- Avoid disturbance to wildlife during maintenance
- Water plants (including trees) to full depth of topsoil as required upon inspection of topsoil moisture. All planting to be watered for at least for first two growing seasons.
- Appropriately dispose of arisings from maintenance. Either to licensed off site premises, in on site compost area, or utilise in the creation and maintenance of habitat piles in unobtrusive areas of the site.
- Replace plants that fail with the approved species
- Ensure locally sourced materials are used wherever possible for e.g. mulches, organic fertiliser.
- Prune plants in accordance with good horticultural and arboricultural practice
- Ensure footways, signs, visibility splays, etc. are not obscured
- Planted and mulched areas are to be hand weeded or treated with a non-residual herbicide as necessary
- Maintain mulch to a settled depth of 50mm
- Leave the maintenance works in a clean and tidy condition

Fertilising:

- Fertilise trees and plants annually in spring, as required, using a suitable slow release fertiliser

Trees:

- From April to October, water trees using irrigation pipe with 25 litres per week for the first 2-3 years (ensure full depth of topsoil is watered). Following this 3 year period, the tree should be watered as required, particularly during periods of low rainfall. For Corylus sp. water with 10 litres per week
- For the first 3 years (and thereafter as required), the tree should have an application of bark mulch/woodchip and organic matter applied around its base.
- Maintain a weed free area around each tree to a minimum diameter of 1m, or the size of the original planting pit. Hand weeding only. No application of chemical spray.
- Check, adjust and make good tree stakes and ties at every maintenance visit. To be fully inspected a minimum of once a year. Remove stakes once tree is established (~2-3 years, or until the tree is suitably established).
- Check irrigation pipes, tree grilles, etc. and make good as required
- Remove any suckers or basal growth to source of stem or root. Use clean hand tools.

Hedges:

- Hedge maintenance to be undertaken outside of bird nesting season.
- Allow rapidly establishing hedges to reach planned height as rapidly as possible; trim back lateral branches moderately
- Cut slowly establishing hedges hard to encourage bushy growth down to ground level; allow to reach planned dimensions only by gradual degrees, depending on growth rate and habit
- Trim established hedges carefully and neatly to regular line and shape, with the width at the top less than that at the base; remove current growth rather than old wood

PLANT SCHEDULE

TREES

Number	Code	Species	Specification	Girth	Height
4	CmP	Corylus maxima 'Purpurea'	C (15L)	multi-stem	0.9-1.2m
1	LtF	Liriodendron tulipifera 'Fastigata	RB or C	12-14cm	3.5-4.0m
3	SaS	Sorbus aucuparia 'Streetwise'	RB or C	12-14cm	3.5-4.0m

NATIVE HEDGEROW INFILL MIX

Species	%of mix	Specification	Height
Acer campestre	33	BR	60-80cm
Cornus sanguinea	33	BR	60-80cm
Corylus avellana	33	BR	60-80cm

- Native hedgerow infill planting as/if required
- Plant at 5 whips / m² in staggered rows / groups
- Rows 600mm apart at 500mm centres
- Whips to be protected biodegradeable spiral wound shrub guards and supported by cane/stake driven 300mm into base of pit
- Plant in random groups of ~3-12 whips of the same species

SINGLE SPECIES NATIVE HEDGE

Number	Code	Species	Specification
48	FgS	Fagus sylvatica	BR or C (5-7.5L); 90-120cm

Plant in single rows, ~300mm centres (i.e. ~3-4 per linear metre)

SHRUBS, PERENNIALS, GRASSES, AND CLIMBERS

Number	Code	Species	Pot Size
42	BerT	Berberis thunbergii 'Atropurpurea'	5L
17	BerC	Bergenia cordifolia	2-3L
45	CalK	Calamagrostis x acutiflora 'Karl Foerster'	2-3L
26	Euon	Euonymus fortunei 'Emerald Gaiety'	5L
17	Ger	Geranium 'Roazanne'	2-3L
3	Hed	Hedera helix 'Glacier'	3L
15	Luz	Luzula nivea	2-3L
53	Lav	Lavendula angustifolia	2-3L
52	PaT	Pachysandra terminalis	1-2L
32	PitN	Pittosporum tobira 'Nanum'	5L
	VibD	Viburnum davidii	5L

Generally plant in staggered groups. Shrubs to be planted in straight rows, except larger 'clustered areas.

FOR INFORMATION REGARDING LEVELS, BOUNDARY TREATMENTS, AND SERVICE RUNS PLEASE RERFER TO (BY VECTOR STRUCTURES LTD) ON PROCEEDING PAGES:

LEVELS DESIGN PLAN
PRIVATE EXTERNAL WORKS & KERBING PLAN
DRAINAGE DESIGN PLAN

GENERAL NOTES:
This drawing is to be read in conjunction with all other relevant disciplines drawings, schedules, specifications and supporting information. The contractor is to verify all dimensions and conditions on site. This drawing should not be scaled. Any discrepancies are to be reported to New Enclosure and resolution sought prior to proceeding. This drawing is subject to copyright

SCALE BAR

1m 5m 10m

N

REV	DESC	DATE	BY	CHK
D	Root barrier info	2023-04-05	RC	RC
-	FIRST ISSUE	2023-07-26	RC	RC

PROJECT
40-48 Mount Pleasant, Reading

CLIENT
Jhahanger Zaman

DRAWING TITLE
Landscape Plan

DRAWING NO.	REV	STATUS	SCALE
379_PN_01	D	PLANNING	1:100 A1