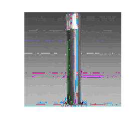
Pathway Surface - Tegula Set paving, colour brindle from Marshalls or similar approved

Lighting Key

Proposed
25 Bollard: Thorn D-CO 1m Aluminium powder coated grey 900.
Lantern: 14W LED
Reference: Thorn Lighting 96262100 (STD - Standard)
Candela File: '96262100_(STD).IES'
Other: controlled via a PECU mounted on column C1



Thorn D-CO
(For Illustrative use only)

Proposed
02 Column: 6m galvanised steel column with single door and bitumen coated planted root
Lantern: Urbis Axia 8 LED lantern
Mounting: post top at 0° tilt
Reference:
Candela file: "Axia_8LED_Neut_Wh_O_5079_31313FG2.LDT"
Other: integral driver
PECU: miniature PECU 35lux/18lux
Other: PECU on C1 used to switch bollard lighting

Urbis Axia
(For Illustrative use only)

4mm² 3 core PVC/SWA/PVC in 100mm orange MDPE duct including draw cord at 750mm cover across highway and car park and 450mm cover in footway and service strip.

Proposed Feeder Pillar
Manufacturer: Ritherdon
Model: R460
Supply in: DNO metered supply
Supply out: 3 x BS88 fused cable

FP1 Feeder pillar reference number.

C1 PN / 01 PN Proposed column scheme number
C1 = Proposed Column Number
01 = Proposed bollard
PN = Private Network

2.0 lux iso contour line (illustrative)

0.4 lux iso contour line (illustrative)

Notes

1. The installation contractor must be aware of any overhead obstructions. Advice should be sought from the developer's engineering representative.

2. Prior to excavation works the installation contractor must be aware of underground services or hazards which may be encountered in the installation of the lighting system. Advice should be sought from the developer's engineering representative.

3. All wiring including component labelling to be in accordance with BS7671.

PLANT SCHEDULE - TREES

SPECIES	FORM	GIRTH	HEIGHT	ROOT	NOS
Acer campestre	EX H Standard	16-18cm	3.0-3.5m	Bare root	5
Acer rubrum	EX H Standard	16-18cm	3.0-3.5m	Bare root	2
Prunus avium	EX H Standard	16-18cm	3.5-4.5m	Bare root	11
Quercus robur	EX H Standard	16-18cm	3.5-4.5m	Bare root	2

EX H Standard - Extra heavy standard

SHRUBS

SPECIES	HABIT	FORM	SIZE	DENSITY (per mtr sq)	NOS
Ceanothus thyrsiflorus		3L	30-40cm	4	24
Hebe "albicans'	Bushy	3L pot	20-30Dcm	4	30
Hedra helix		2L pot	20-30Dcm	8	325
Hedra helix Woerner		2L pot	20-30Dcm	4	82
Lavandula angustifolia 'Hidcote'	Bushy	3L pot	80-90cm	3	97
Prunus amanogawa		35L pot	2m-2.5m	Specimen	4

Hedge

Crataegus (Hawthorn)	60-80cm high, 0.4Ctr Double Staggered at 0.4m offset	388
Fagus sylvatica (Beech Hedge)	60-80cm high, 0.4Ctr Double Staggered at 0.4m offset	142
Prunus lusitanica	5L pot, 0.4Ctr Double Staggered at 0.4m offset	182
Ilex aquifolium (Holly)	5L pot, 0.4Ctr Double Staggered at 0.4m offset	83

Turf
Recommendations for Turf for General Purposes'Supply and lay Rolavn Medallion turf or similar approved. Turf should be laid in autumn or early winter when the weather is open.Turf should not be laid in very hot, waterlogged, frosted, cold or drying wind conditions.If summer turfing has to take place the turfs should be saturated on delivery and kept lightly watered during the day until temperatures fall. In the winter turf should be unrolled and laid out to prevent yellowing if it cannot be laid immediately. Turf to be supplied in rolls, not dried out or yellowed. Turf will be laid on the day of delivery. Turf rolls are to be undamaged without holes or torn or ripped edges. Turf grown on any nylon matting will not be accepted.Turf will be weed free and of a uniform size and thickness. Turf must be laid from suitably sized running boards. Walking over or standing on the turfs will not be allowed until fully established.

Seeded Grass
Fertiliser - Before final cultivation and three to five days before seeding/turfing. British Seed Houses pre seeding granular fertiliser mix no 2: N/P/K - 10/15/10% or similar approved. Coverage:Spread evenly at 70 g/m². After grading and fertilizing.
Seed bed: Reduce to fine, firmtilth with good crumb structure. - Depth: 25 mm. Rake to a true, even surface, friable and lightly firmed but not over compacted. Extend cultivation into any existing adjacent grassed areas sufficient to ensure full marrying in of levels.

MAINTENANCE
All planted areas shall be maintained in a clean and tidy condition with all litter and debris being removed at least once per month.

They shall also be maintained in a weed free state throughout the growing season by chemical or manual means
Maintenance items shall include: Weeding, pruning (as required), firming in after frost/human damage/high winds etc, control of pests and diseases, adjusting/ repairing tree ties as required and litter and debris removal.
All plants must also recieve adequate watering to ensure their health and survival.
A 70mm depth of well composed bark mulch is to be applied to all planted areas prior to handover.

TREE PLANTING MAINTENANCE
Annual maintenance to include 2nr visits to check ties and stakes and adjust where required

KEY

- Existing tree to be retained
- Existing hedge to be retained
- Existing tree to be removed
- Proposed tree
- Proposed shrub
- Proposed hedge
- Proposed grass area - Turf or seeded
- Proposed 'Tegula Sett', mix size, colour brindle
- Existing stone wall to be retained and remove railing
- Proposed stone wall
- Proposed 800mm timber knee rail fence
- Proposed 2000mm high brick wall
- 2no. Garden bench with back rest and arm handle within POS
- Proposed 1800mm timber close board fence

Note: Asphalt finish to all driveways & shared parking area

GENERAL

THESE NOTES APPLY TO ALL PLANTING SHOWN ON THIS DRAWING.

PLANT MATERIAL
All Plants shall conform to relevant British Standards: BS 3936 and 5326.
All plants shall be true to form, type & size. They shall be healthy, vigorous, pest and weed free.
No substitutes in size or species shall be made without the written consent of the landscape architect.

TOPSOIL & SUBSOIL
Where requested a comprehensive analysis of a representative sample of topsoil is to be made and the results made available prior to it's use on site .
Laying general areas
Grass areas - 150mm depth top soil and 300mm ground broken further
Shrubs areas - 50mm mulch over 450mm depth top soil and 300mm ground broken further.
Tree areas - 75mm mulch over 750mm depth top soil and 300mm ground broken further
Subsoil formation levels shall be achieved under the main contract. The subsoil shall be ripped prior to spreading the topsoil layer.
Soiling Works - Subsoil and Topsoil spreading.
After settlement, finished topsoil levels should be 80mm below top of kerb to accommodate bark mulch. Topsoil in grass areas should be spread so as to be 20mm below any adjacent paved areas or kerbs after settlement to allow for turf. Generally finished soil levels shall be graded out to smooth running levels between all edges and fixed points. Subsoil formation shall be free draining and free from standing water/ waterlogging, prior to spreading topsoil to stated depths.
All debris shall be cleared prior to spreading soils .
Spreading to be carried out in suitable weather, ie not when the ground is waterlogged or frozen or during heavy rain. Machines with a ground pressure of 0.26kg/ cm shall not be used and any ground consolidated by machine tracks shall be forked over to relieve compaction.
Landscape architect to agree any final levels, adjustments and grades as required.

TREE PLANTING
Trees shall be planted into prepared pits located as shown on the drawing - 900 x 900 x 750mm deep or larger to accommodate roots as required.
Break up base to a further depth of 150mm and ensure sides are not glazed. Backfill with a mix of 70% topsoil and 30% compost . (eg a Tree & Shrub planting product, well rotted farm yard manure or other composted green waste).
Staking: Trees to be double staked with 2nr 1.8m long stakes, treated and driven into the ground to leave 600mm above GL. Fix with 2 nr rubber ties and spacers at 600mm above GL. Trees 12-14cm girth or below to be fixed as above but with 1nr stake..
Ensure trees are planted at their original ground level and water thoroughly to ground capacity after planting.
All tree planting to be kept weed free during the maintenance and defects liability period.

SHRUB & HERBACEOUS PLANTING
Shrubs to be planted into prepared pits depth of 450mm located as shown on the drawing and to be backfilled with topsoil mixed with an approved slow release fertiliser such as Enmag general purpose to the manufacturers recommended rates.Break up base to a further depth of 150mm to aid drainage
Pits to be 75mm wider than the root spread and backfill gently, firming in around the roots.
Ensure shrubs are planted at their original ground level and water thoroughly to ground capacity after planting.
All shrub areas to be covered with a minimum 50mm well composted bark mulch and to be kept weed free during the maintenance and defects liability period.

Grass Areas
Ground Preparation Subgrade crossripped min.300mm deep at 300mm/cs. Remove stones and debris exceeding 50mm diameter.Cultivate existing topsoil. Additional top soil to be supplied and spread to make up level and to create even falls. Top soil to be cultivated to form a fine tilth prior to the laying of turf.

Rev	Details	Date	Drawn
K	Knee rail moved twoard highway at the south-east corner of POS area as requested by planner	27-02-15	AB
J	Added on tree to the rear plot of 13-14 and knee rail to front garden of 10-15 plots. Brick wall 2m high instead of 1.8m high, timber close board fence indicated.	13-02-15	AB
I	Green Fence replaced with brick wall to the rear fence of plot 10-15 as per planners comments, knee rails added to front gardens,	07-01-15	AB
H	Adjusted/moved the position of trees within POS to avoid underground soakways & gully runs	07-01-15	AB
G	Updated landscape plan as per latest site layout & deleted play equipment	16-12-14	AB
F	Knee rail and instant fencing added as per planners comments.	23-07-14	AB
E	Play equipments changed and added more details to POS area as per council comments	08-07-14	AB
D	Play equipments added	18-06-14	AB
C	Existing evergreen hedge retained and proposed public footpath removed	16-06-14	AB
B	Existing evergreen hedge removed and replaced along Rosemary Lane	19-05-14	AB
A	Full replan as per new layout and open space	18-03-14	AB

environmental associates
landscape architects · urban designers · environmental planners

Client:
GORDON MYTTON HOMES

Project:
Burton Hall Road - Housing Development

Title:
PROPOSED LANDSCAPE BOUNDARY TREATMENT PLAN & PLANTING PLAN & PLAY EQ

Drawing No: EA/5236-100-01

Scale: 1:250@ A1 | Date: 15.11.13 | Revision: K

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