Landscape Masterplan *Scale 1:1000@A1*

H1 Proposed Native Hedgerow
Planting Mix

Boundary detail - Hedge mix
Whips, 60 - 90cm, 4 plants per m²

7.5%	Euonymus europaeus
45%	Craetagus monogyna
35%	Ilex aquifolium
7.5%	Quercus robur
5%	Rosa canina

2 rows 400mm apart,
@ 450mm centres

H2 Proposed Native Hedgerow
Planting Mix

100% Front Garden detail - Hedge mix
2 rows
Eleaegnus x ebbingei

2 rows 400mm apart,
@ 450mm centres

Sabre Lighting Treatments

TYPE 3 COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 5 Degree uplift
COLUMN QUANTITY : 12
LANTERN DETAILS
AVERAGE WATTAGE (CLO): 38w
MAKE & MODEL : C.U.Phosco P852-12-F2-NW-CB1000

TYPE 2 COLUMN DETAILS
HEIGHT : 5m Raise and Lower Column
BRACKET LENGTH : Post-top
INCLINATION : 0.degree uplift
COLUMN QUANTITY : 10
LANTERN DETAILS
AVERAGE WATTAGE (CLO): 9w
MAKE & MODEL : C.U.Phosco P852-6-R28-NW-F0350

DENOTES 2 NOS. LANTERNS MOUNTED ON COLUMN.
PL CONTRACTOR TO SUPPLY TWIN BRACKET.

TYPE 1 COLUMN DETAILS
HEIGHT : 8m
BRACKET LENGTH : Post-top
INCLINATION : 5 Degree uplift
COLUMN QUANTITY : 20
LANTERN DETAILS
AVERAGE WATTAGE (CLO): 51w LED
MAKE & MODEL : C.U.Phosco P863-32-F28-NW-F0500

TYPE 2 COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 5.degree uplift
COLUMN QUANTITY : 77
LANTERN DETAILS
AVERAGE WATTAGE (CLO): 18w
MAKE & MODEL : C.U.Phosco P852-12-F4-NW-CB0450

Public Lighting Cable Chamber as per Kildare Local Authority Public Lighting Specification.

2X6sq XLPE/SWA/PVC cable laid in ducting to ETCI ET101.
Single wall ducting, colour red to be used
manufactured from high density polyethylene (H.D.P.E.),
107mm external diameter, having a wall thickness of 6mm.
This ducting to have the words "Street Lighting" stamped on,
letter size 9mm at 1m intervals. The lettering to face uppermost
in the trench. All works to Local Authority specification.
This is a circuit layout and not indicative of where cuots are to be laid.

Public Lighting Pillar (located at least 2m from ESB pillar)

Electronic Photocells switched at 35/18lux

Landscape Treatments

Soft Landscape Treatment
- Proposed Tree planting - See List
- Existing Trees
- Retain Existing Hedgerow Meadow areas to planted - around existing hedgerows
- General grass areas Open space
- Private grass areas
- Ground cover mix
- H1 Native Hedgerow
- H2 Front garden hedgerows Eleaegnus x ebbingei
- Bulb planting mix
- Playground - Safa Grass or similar approved
- Grass Crete or similar approved

Hard Landscape Treatment
- Permeable paving-driveways or similar approved
- Permeable paving-on street parking or similar approved
- Homezone-coloured chip in top layer, or similar approved
- Brushed Concrete Footpath or similar approved
- Tarmacadam surface or similar approved
- Existing KCC Path
- Ritter surface to allow KCC Vehicle access

Boundary Treatment
- Boundary Treatment 1 2.5 m High Noise Barrier or similar approved
- Boundary Treatment 2 3.5 m High Noise Barrier or similar approved
- Boundary Treatment 3 2 m High Block Wall or similar approved
- Boundary Treatment 4 1.8 m High Wooden Panel Fence Concrete Post or similar approved
- Boundary Treatment 5 2 m High Feature Wall - Stone Wall Fair Face to Private Realm or similar approved
- Boundary Treatment 6 2m High Feature Wall - Brick Wall Fair face to Private Realm or similar approved
- Boundary Treatment 7 1.2 m Metal Railing or similar approved
- Boundary Treatment 8 1.2 m Post and Railing see details or similar approved
- Boundary Treatment 9 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate see details or similar approved
- Vehicle Gated access Pedestrian Gate see details or similar approved
- Bin Stores No outside access to back gardens

NATURAL PLAY ITEMS:
- Play Item 1 Sway Alley NA*78" 2 (Or Similar Approved)
- Play Item 2 Twisted Net NR0825-100' (Or Similar Approved)
- Play Item 3 Balancing Beam (Or Similar Approved)
- Play Item 4 Overhead Bars NA1687 (Or Similar Approved)
- Play Item 5 Parallel Bars NA*831 (Or Similar Approved)
- Play Item 6 Embankment Slide (Or Similar Approved)
- Play Item 7 Butterfly Sea-saw NRO108 (Or Similar Approved)
- Play Item 8 Timber Fort (Or Similar Approved)
- Play Item 9 Picus Pick-up Sticks (Or Similar Approved)

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
2	Acer campestre 'Elsrijk'	14-16cm
3	Pyrus 'Chanticleer',	12-14cm
4	Betula utilis jacquemontii	14-16cm
5	Betula pendula,	14-16cm
6	Corylus colurna	16-18cm
7	Alnus glutinosa	14-16cm
8	Malus sylvestris	120 cm r/b
9	Sorbus aucuparia,	14-16cm
10	Pinus sylvestris	120 cm r/b
11	Aesculus hippocastanum,	16-18cm
12	Quercus robur,	14-16cm
13	Tilia cordata,	14-16cm
14	Juglans nigra	120 cm r/b
15	Cedrus deodora,	120 cm r/b
16	Acer griseum	14-16cm
17	Amelanchier lamarckii	200 cm r/b
18	Arbutus unedo	120 cm r/b
19	Rhus typhina	120 cm r/b
20	Viburnum opulus	100cm r/b

Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
S	09.10.19	JC	Revised Paths & Turnabout
T	16.10.19	JC	Access gate relocated
U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title:
Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Ryeroft Homes Ltd.

Drawing Title: Landscape Masterplan

Job No.: 1412

Dwg. No.: 01
Scale: A1 1:1000
Date: 14.06.2019
Drawing By: GT
Checked By: RMD

Ronan MacDiarmada +Associates Ltd.
Landscape Architects and Consultants.
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fax: +353 1 401 3748 e-mail: ronan@rmda.ie

Landscape Masterplan Phase 1 *Scale 1:500@A0*

Location of Site Notice 1
ESB Sub-Station
Existing hedgerow retained
Existing Dublin - Sligo rail line
Indicative bridge link. Land reserved - indicated hatched.
Indicative future footbridge over railway track by others
Indicative pedestrian cycle track as per objection in Kilcock LAP 2014-2020
207
Bicycle Station 14
Bicycle Station 13
Bicycle Station 12
HEDGE 4
HEDGE 3
HEDGE 5
206
205
204
203
202
201
208-209
HEDGE 2
HEDGE 1
Indicative future road and footpath extensions to adjacent site dotted
Bicycle Station 9
Bicycle Station 10
Lands outside ownership of application. Refer to letter of consent.
Location of Site Notice 2
Brayton Park Estate
HEDGE 12
tarmac footpath
Proposed access points
Existing tarmac footpath to adjoining site
Bicycle Station 11
Access to open space Pedestrian access and Locked Gates for KCC maintenance vehicles access only.
Lands outside ownership of application. Refer to letter of consent.
Location of Site Notice 3
ROAD

Phase 1 Location

Landscape Treatments

Soft landscape Treatment

- Proposed Tree planting - See List
- Existing Trees
- Retain Existing Hedgerow Meadow areas to planted - around existing hedgerows
- General grass areas Open space
- Private grass areas
- Ground cover mix
- H1 Native Hedgerow
- H2 Front garden hedgerows Eleaegnus x ebbingei
- Bulb planting mix
- Playground - Safs Grass or similar approved
- Grass Crete or similar approved

Hard Landscape Treatment

- Permeable paving-driveways or similar approved
- Permeable paving-on street parking or similar approved
- Homezone-coloured chip in top layer, or similar approved
- Brushcd Concrete Footpath or similar approved
- Tarmacadam surface or similar approved
- Ilexisting KCC Path
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- Boundary Treatment 4 1.8 m High Wooden Panel Fence Concrete Post or similar approved
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- Boundary Treatment 8 1.2 m Post and Railing see details or similar approved
- Boundary Treatment 9 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate see details or similar approved
- Vehicle Gated access Pedestrian Gate see details or similar approved
- Bin Stores No outside access to back gardens

NATURAL PLAY ITEMS:

- Play Item 1 Sway Alley NAT812 (Or Similar Approved)
- Play Item 2 Twisted Net NRO829-A1001 (Or Similar Approved)
- Play Item 3 Balancing Beam (Or Similar Approved)
- Play Item 4 Overhead Bars NAT827 (Or Similar Approved)
- Play Item 5 Parallel Bars NAT831 (Or Similar Approved)
- Play Item 6 Embankment Slide (Or Similar Approved)
- Play Item 7 Butterfly Seesaw NRO108 (Or Similar Approved)
- Play Item 8 Timber Fort (Or Similar Approved)
- Play Item 9 Picus Pick-up Sticks (Or Similar Approved)

H1 Proposed Native Hedgerow Planting Mix

Boundary detail - Hedge mix
Whips, 60 - 90cm, 4 plants per m²

7.5%	Euonymus europaeus
45%	Craetagus monogyna
35%	Ilex aquifolium
7.5%	Quercus robur
5%	Rosa canina

2 rows 400mm apart, @ 450mm centres

H2 Proposed Native Hedgerow Planting Mix

100% Front Garden detail - Hedge mix
2 rows
Eleaegnus x ebbingei

2 rows 400mm apart, @ 450mm centres

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
2	Acer campestre 'Elsrijk'	14-16cm
3	Pyrus 'Chanticleer',	12-14cm
4	Betula utilis jacquemontii	14-16cm
5	Betula pendula,	14-16cm
6	Corylus colurna	16-18cm
7	Alnus glutinosa	14-16cm
8	Malus sylvestris	120 cm r/b
9	Sorbus aucuparia,	14-16cm
10	Pinus sylvestris	120 cm r/b
11	Aesculus hippocastanum,	16-18cm
12	Quercus robur,	14-16cm
13	Tilia cordata,	14-16cm
14	Juglans nigra	120 cm r/b
15	Cedrus deodora,	120 cm r/b
16	Acer griseum	14-16cm
17	Amelanchier lamarckii	200 cm r/b
18	Arbutus unedo	120 cm r/b
19	Rhus typhina	120 cm r/b
20	Viburnum opulus	100cm r/b

Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
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U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title:
Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Ryeroft Homes Ltd.

Drawing Title: Landscape Masterplan Phase 1

Job No.: 1412

Dwg. No.: 02
Scale: A0 1:500
Date: 14.06.2019
Drawing By: GT
Checked By: RMD

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Landscape Architects and Consultants.
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fax: +353 1 401 3748 e-mail: ronan@rmda.ie

Landscape Masterplan Phase 2 *Scale 1:500@A1*

Landscape Treatments

Soft landscape Treatment

- Proposed Tree planting - See List
- Existing Trees
- Retain Existing Hedgerow Meadow areas to planted - around existing hedgerows
- General grass areas Open space
- Private grass areas
- Ground cover mix
- H1 Native Hedgerow
- H2 Front garden hedgerows Eleaegnus x ebbingei
- Bulb planting mix
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- Grass Crete or similar approved

Hard Landscape Treatment

- Permeable paving-driveways or similar approved
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- Boundary Treatment 8 1.2 m Post and Railing see details or similar approved
- Boundary Treatment 9 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate see details or similar approved
- Vehicle Gated access Pedestrian Gate see details or similar approved
- Bin Stores No outside access to back gardens

NATURAL PLAY ITEMS:

- Play Item 1 Sway Alley NAT817 (Or Similar Approved)
- Play Item 2 Twisted Net NRO829-001 (Or Similar Approved)
- Play Item 3 Balancing Beam (Or Similar Approved)
- Play Item 4 Overhead Bars NAT807 (Or Similar Approved)
- Play Item 5 Parallel Bars NAT831 (Or Similar Approved)
- Play Item 6 Embankment Slide (Or Similar Approved)
- Play Item 7 Butterfly Sea-saw NRO108 (Or Similar Approved)
- Play Item 8 Timber Fort (Or Similar Approved)
- Play Item 9 Picus Pick-up Sticks (Or Similar Approved)

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
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6	Corylus colurna	16-18cm
7	Alnus glutinosa	14-16cm
8	Malus sylvestris	120 cm r/b
9	Sorbus aucuparia,	14-16cm
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11	Aesculus hippocastanum,	16-18cm
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13	Tilia cordata,	14-16cm
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15	Cedrus deodora,	120 cm r/b
16	Acer griseum	14-16cm
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18	Arbutus unedo	120 cm r/b
19	Rhus typhina	120 cm r/b
20	Viburnum opulus	100cm r/b

H1 Proposed Native Hedgerow Planting Mix

Boundary detail - Hedge mix
Whips, 60 - 90cm, 4 plants per m²

7.5%	Euonymus europaeus
45%	Craetagus monogyna
35%	Ilex aquifolium
7.5%	Quercus robur
5%	Rosa canina

2 rows 400mm apart, @ 450mm centres

H2 Proposed Native Hedgerow Planting Mix

100% Front Garden detail - Hedge mix
2 rows
Eleaegnus x ebbingei

2 rows 400mm apart, @ 450mm centres

N

Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
S	09.10.19	JC	Revised Paths & Turnabout
T	16.10.19	JC	Access gate relocated
U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title: Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Dwg. No.: 03

Scale: A1 1:500

Client: Rycroft Homes Ltd.

Date: 14.06.2019

Drawing Title: Landscape Masterplan Phase 2

Drawing By: GT

Job No.: 1412

Checked By: RMD

Ronan MacDiarmada +Associates Ltd.
Landscape Architects and Consultants.
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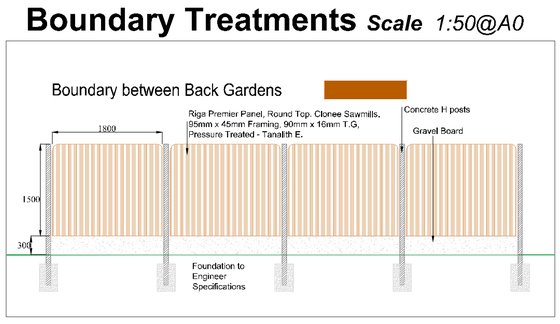
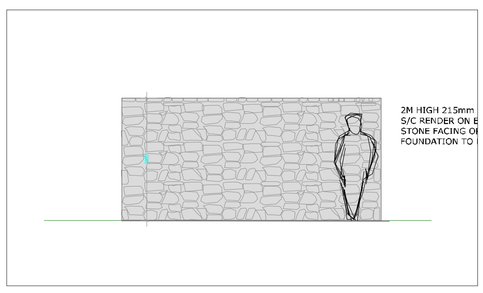
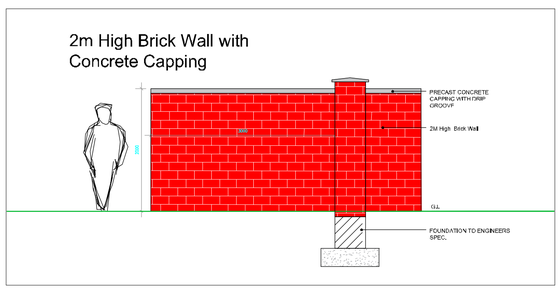
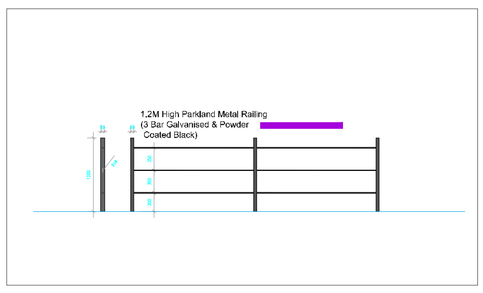
fax: +353 1 401 3748 e-mail: ronan@rmda.ie

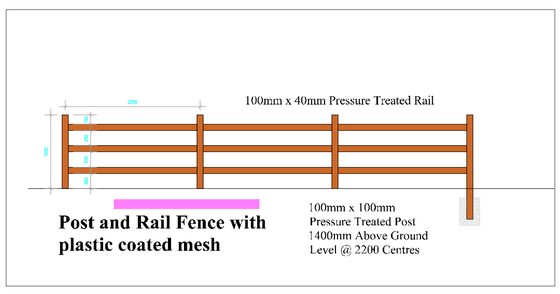
Boundary Treatments *Scale 1:50@A0*



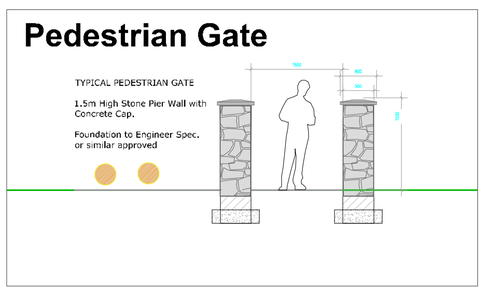






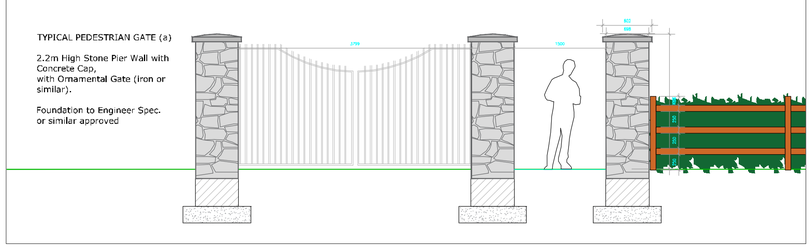


Pedestrian Gate



Maintenance Vehicle Gate

Access for Kildare County Council only and Pedestrian Access



Boundary Plan Phase 1 *Scale 1:500@A0*

Phase 1 Location

Landscape Treatments

Boundary Treatment

- Boundary Treatment 1 — 2.5 m High Noise Barrier or similar approved
- Boundary Treatment 2 — 3.5 m High Noise Barrier or similar approved
- Boundary Treatment 3 — 2 m High Block Wall or similar approved
- Boundary Treatment 4 — 1.8 m High Wooden Panel Fence Concrete Post or similar approved
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- Boundary Treatment 7 — 1.2 m Metal Railing or similar approved
- Boundary Treatment 8 — 1.2 m Post and Railing see details or similar approved
- Boundary Treatment 9 — 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate — see details or similar approved
- Vehicle Gated access Pedestrian Gate — see details or similar approved
- Bin Stores — No outside access to back gardens

NATURAL PLAY ITEMS:

- Play Item 1 — Swing Alloy NAT812 (Or Similar Approved)
- Play Item 2 — Twisted Net NRO525-1001 (Or Similar Approved)
- Play Item 3 — Balancing Beam (Or Similar Approved)
- Play Item 4 — Overhead Bars NAT807 (Or Similar Approved)
- Play Item 5 — Parallel Bars NAT831 (Or Similar Approved)
- Play Item 6 — Embankment Slide (Or Similar Approved)
- Play Item 7 — Butterfly Sea-saw NRO108 (Or Similar Approved)
- Play Item 8 — Timber Fort (Or Similar Approved)

H1 Proposed Native Hedgerow Planting Mix

Boundary detail - Hedge mix
Whips, 60 - 90cm, 4 plants per m²

7.5%	Euonymus europaeus
45%	Craetagus monogyna
35%	Ilex aquifolium
7.5%	Quercus robur
5%	Rosa canina

2 rows 400mm apart, @ 450mm centres

H2 Proposed Native Hedgerow Planting Mix

100%	Front Garden detail - Hedge mix 2 rows Eleaegnus x ebbingei

2 rows 400mm apart, @ 450mm centres

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
2	Acer campestre 'Elsrijk'	14-16cm
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Revisions:

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T	16.10.19	JC	Access gate relocated
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Project Title: Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Ryeroft Homes Ltd.

Drawing Title: Boundary Plan Phase 1

Job No.: 1412

Dwg. No.: 04
Scale: A0 1:500
Date: 14.06.2019
Drawing By: GT
Checked By: RMD

Ronan MacDiarmada +Associates Ltd.
Landscape Architects and Consultants.
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tel: +353 1 412 4476 mob: 086 26 25 438
fax: 1353 1 401 3748 e-mail: ronan@rmda.ie

Boundary Plan Phase 2 *Scale 1:500@A1*

Boundary Treatments *Scale 1:50@A1*

Landscape Treatments

Boundary Treatment

- Boundary Treatment 1 — 2.5 m High Noise Barrier or similar approved
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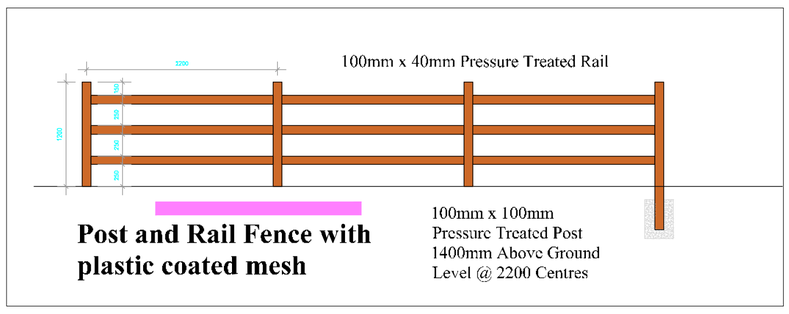

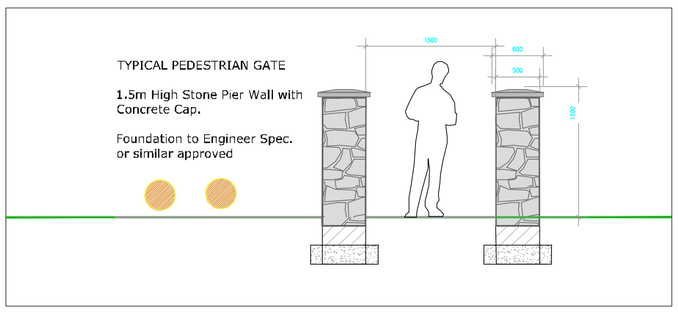

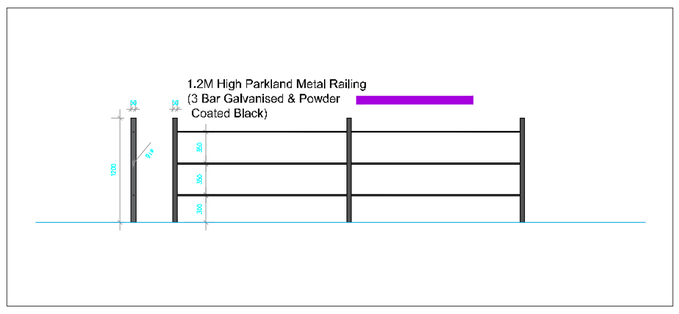

H1 Proposed Native Hedgerow Planting Mix

Boundary detail - Hedge mix
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- 35% Ilex aquifolium
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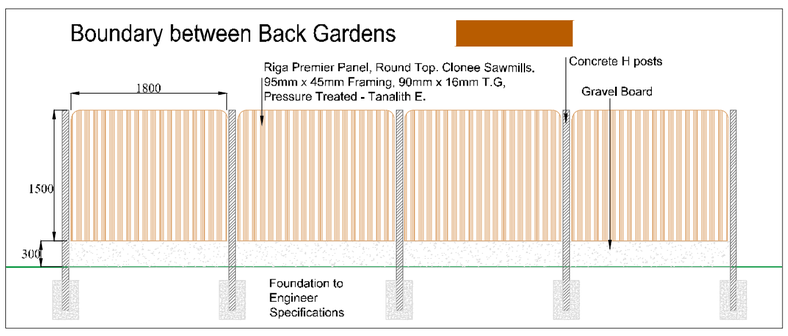
- 5% Rosa canina

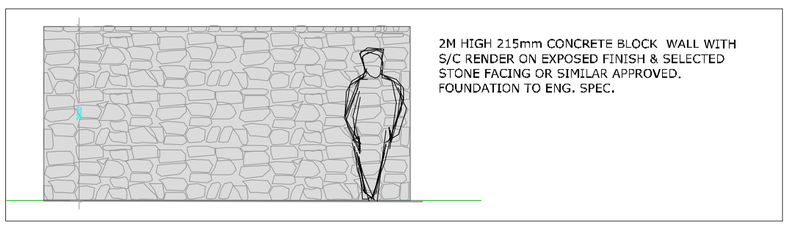
2 rows 400mm apart, @ 450mm centres



H2 Proposed Native Hedgerow Planting Mix

- 100% Front Garden detail - Hedge mix 2 rows Eleaegnus x ebbingei

2 rows 400mm apart, @ 450mm centres



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Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
S	09.10.19	JC	Revised Paths & Turnabout
T	16.10.19	JC	Access gate relocated
U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title: Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Rycroft Homes Ltd.

Drawing Title: Boundary Plan Phase 2

Job No.: 1412

Dwg. No.: 05

Scale: A1 1:500

Date: 14.06.2019

Drawing By: GT

Checked By: RMD

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Combined Landscape & Arborist *Scale 1:1000@A1*

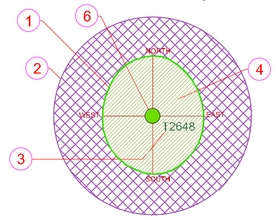
Legend:

Category (A, A1, A2, A3)
Those of high quality and value: in such a condition as to be able to make a substantial contribution (a minimum of 40 years)

Category (C, C1, C2, C3)
Those of low quality and value currently in adequate condition to remain until new planting could be established (a minimum of 10 years) or young trees with a stem diameter below ;150mm

Category (B, B1, B2, B3)
Those of moderate quality and value: those in such a condition as to make a significant contribution (a minimum of 20 years)

Category (U)
Those in such condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reason of sound abricultural management



AGE GROUPINGS

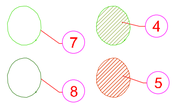
Y = YOUNG

MA = MIDDLE AGE

M = MATURE

OM = OVER MATURE

V = VETERAN



1. EXISTING TREE CANOPY BASED ON DIMENSIONS GATHERED ON SITE IN 4 DIRECTIONS, NORTH, SOUTH, EAST AND WEST
2. ROOT PROTECTION ZONE BASED ON 12 TIMES THE (DBH) AT CHEST HEIGHT
3. TREE TAG NUMBER
4. TREE TO BE RETAINED
5. TREE TO BE REMOVED
6. TREE CATEGORY BASED ON BS:5837 2012 CRITERIA
7. DECIDUOUS TREE CANOPY
8. EVERGREEN TREE CANOPY

01 TABLES BS 5837-2012

Key

- TREE SURVEY BOUNDARY
- Hedgerows
- Hedgerows to be removed

Landscape Treatments

Soft landscape Treatment

- Proposed Tree planting - See List
- Existing Trees
- Retain Existing Hedgerow Meadow areas to planted - around existing hedgerows
- General grass areas Open space
- Private grass areas
- Ground cover mix
- H1 Native Hedgerow
- H2 Front garden hedgerows Elaeagnus x ebbingei
- Bulb planting mix
- Playground - Safe Grass or similar approved
- Grass Crete or similar approved

Hard Landscape Treatment

- Permeable paving-driveways or similar approved
- Permeable paving-on street parking or similar approved
- Homezone-coloured chip in top layer or similar approved
- Brushed Concrete Footpath or similar approved
- Tarmacacam surface or similar approved
- Existing KCC Path
- Ritter surface to allow KCC Vehicle access

Boundary Treatment

- Boundary Treatment 1 2.5 m High Noise Barrier or similar approved
- Boundary Treatment 2 3.5 m High Noise Barrier or similar approved
- Boundary Treatment 3 2 m High Block Wall or similar approved
- Boundary Treatment 4 1.8 m High Wooden Panel Fence Concrete Post or similar approved
- Boundary Treatment 5 2 m High Feature Wall - Stone Wall Fair Face to Private Realm or similar approved
- Boundary Treatment 6 2m High Feature Wall - Brick Wall Fair face to Private Realm or similar approved
- Boundary Treatment 7 1.2 m Metal Railing or similar approved
- Boundary Treatment 8 1.2 m Post and Railing see details or similar approved
- Boundary Treatment 9 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate see details or similar approved
- Vehicle Gated access Pedestrian Gate see details or similar approved
- Bin Stores No outside access to back gardens

NATURAL PLAY ITEMS:

- Play Item 1 Sway Alley NAT812 (Or Similar Approved)
- Play Item 2 Twisted Net NR0829-100 (Or Similar Approved)
- Play Item 3 Balancing Beam (Or Similar Approved)
- Play Item 4 Overhead Bars NAT802 (Or Similar Approved)
- Play Item 5 Parallel Bars NAT851 (Or Similar Approved)
- Play Item 6 Embankment Slide (Or Similar Approved)
- Play Item 7 Butterfly Sea-saw NRO108 (Or Similar Approved)

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
2	Acer campestre 'Elsrijk'	14-16cm
3	Pyrus 'Chanticleer',	12-14cm
4	Betula utilis jacquemontii	14-16cm
5	Betula pendula,	14-16cm
6	Corylus colurna	16-18cm
7	Alnus glutinosa	14-16cm
8	Malus sylvestris	120 cm r/b
9	Sorbus aucuparia,	14-16cm
10	Pinus sylvestris	120 cm r/b
11	Aesculus hippocastanum,	16-18cm
12	Quercus robur,	14-16cm
13	Tilia cordata,	14-16cm
14	Juglans nigra	120 cm r/b
15	Cedrus deodora,	120 cm r/b
16	Acer griseum	14-16cm
17	Amelanchier lamarckii	200 cm r/b
18	Arbutus unedo	120 cm r/b
19	Rhus typhina	120 cm r/b
20	Viburnum opulus	100cm r/b

Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
S	09.10.19	JC	Revised Paths & Turnabout
T	16.10.19	JC	Access gate relocated
U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title:
Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Dwg. No.: 06

Scale: A1 1:1000

Client: Rycroft Homes Ltd.

Date: 14.06.2019

Drawing Title: Combined Landscape & Arborist

Drawing By: GT

Job No.: 1412

Checked By: RMD

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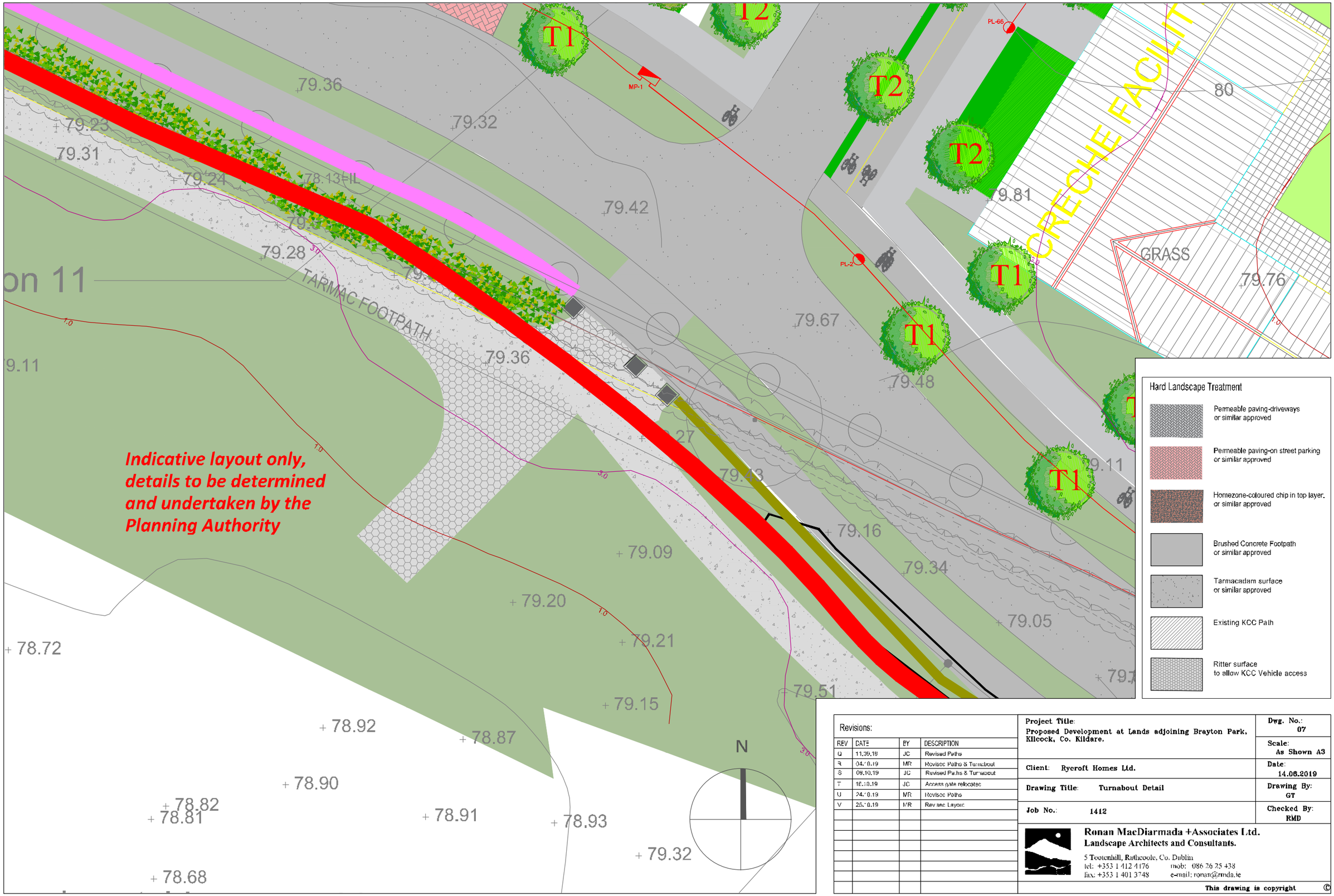
Turnabout Detail *Scale 1:200*

Indicative layout only, details to be determined and undertaken by the Planning Authority



Revisions:

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U	24.10.19	MR	Revised Paths
V	25.10.19	MR	Revised Layout

Project Title: Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Rycroft Homes Ltd.

Drawing Title: Turnabout Detail

Job No.: 1412

Dwg. No.: 07

Scale: As Shown A3

Date: 14.06.2019

Drawing By: GT

Checked By: RMD

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Combined Landscape & Engineer *Scale 1:1000@A1*

H1 Proposed Native Hedgerow Planting Mix

Boundary detail - Hedge mix
Whips, 60 - 90cm, 4 plants per m²

- 7.5% Euonymus europaeus
- 45% Craetagus monogyna
- 35% Ilex aquifolium
- 7.5% Quercus robur
- 5% Rosa canina

2 rows 400mm apart,
@ 450mm centres

H2 Proposed Native Hedgerow Planting Mix

100% Front Garden detail - Hedge mix
2 rows
Eleaegnus x ebbingei

2 rows 400mm apart,
@ 450mm centres

Note : Attenuation tanks, lighting standards & trees shall be coordinated on site.

LEGEND

- EXISTING WATERMAIN
- PROPOSED 50mm Ø HDPE MDPE SDR17 WATERMAIN
- PROPOSED 100mm Ø HDPE MDPE SDR17 WATERMAIN
- JOINTLESS 100 AND 200mm OD PE80 SEWER CLASSIFICATION AS PER IRISH WATER STANDARD STD-W-02
- PROPOSED FF
- PFL 100.200 — PROPOSED LEVEL
- +67.72 — EXISTING FLEVEL
- PROPOSED SAND 2N
- SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-14b
- AIR VALVE AS PER IRISH WATER STANDARD DETAIL STD W 20/22
- SCOUR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-20/21
- SCOUR VALVE CHAMBER AS PER IRISH WATER STANDARD DETAIL STD-W-20
- HYDRANT AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
- AXIS - OUT HYDRANT CHAMBER AS PER IRISH WATER STANDARD STD-W-16/18
- METER CHAMBER AS PER IRISH WATER STANDARD STD W 26
- SITE BOUNDARY

WATERMAIN NOTES:

1. ALL WATERMAINS VALVES AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
2. ALL WATERMAINS SHALL BE HDPE MDPE SDR17 TO EN 12201 PART 2:2011 AND IS EN 12201-2:2011.
3. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMAINS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-0.
4. INSERTION POINTS TO BE POSITIONED AT 1/3RD FROM TYPES, BENDS AND AT EACH END OF HYDRANTS AND SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-25 (WATER MAIN T BLST AND SUPPORT BLOCK) AND THE CONTROL VALVES TO BE PLACED AT EACH SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD W 14.
5. CONNECTION TO IRISH JOINT FLUSHES IN ACCORDANCE WITH IRISH WATER STD-W-02
6. INSTALLATION OF SLUICE VALVES, AIR VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14, TO STD-W-23.
7. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAIL STD-W-27.
12. CONNECTION TO IRISH JOINT FLUSHES IN ACCORDANCE WITH IRISH WATER STD-W-02
13. CONNECTION TO EXISTING WATERMAINS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
14. CONTRACTOR TO LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEANSING AND STERILISATION OF WATERMAINS
15. WATERMAINS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND IGN 4-39-03 GUIDE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE BY PUBLIC WATER SUPPLIERS, OCTOBER 2011. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.

LEGEND

- PROPOSED FOUL SEWER
- PROPOSED FOUL SEWER RAIN INDEX COVERABLE MANHOLE
- PROPOSED FOUL INSPECTION CHAMBER AND SERVICE CONNECTION AS PER IRISH WATER STANDARD DETAIL STD-W-01
- PROPOSED SURFACE WATER SEWER
- PROPOSED STORM ARMSTRONG JOINT DRAIN CONNECTION INVERT TO FLOW DRAINAGE
- PROPOSED BACKDROP MANHOLE
- PROPOSED ROAD GULLY
- PROPOSED ATTENUATION FACILITY
- EXISTING PUBLIC SURFACE
- EXISTING PUBLIC FOUL SEWER
- SITE BOUNDARY

DRAINAGE NOTES:

1. ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
2. ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100mM UPVC TO IS EN 1401 2009/2012 STIFFNESS CLASS SN8/SN10 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
3. ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225MM DIAMETER THERMOPLASTIC STRUCTURED WALL PIPES TO IS EN 13476 (2007/2009) TYPE SN8 AND WRS 4-31-01 AND SHALL COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
4. ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EMRA 8 IS 6 2006 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
5. ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mmØ UPVC TO IS EN 476 2009/2082 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
6. LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
7. ALL FOUL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER.
8. ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
9. ALL COVER LEVELS TO MATCH FINISHED ROADWAY/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
10. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF WORK.

Proposed Tree Planting

No.	Name.	Size.
1	Quercus robur 'Fastigiata',	14-16cm
2	Acer campestre 'Elsrijk'	14-16cm
3	Pyrus 'Chanticleer',	12-14cm
4	Betula utilis jacquemontii	14-16cm
5	Betula pendula,	14-16cm
6	Corylus colurna	16-18cm
7	Alnus glutinosa	14-16cm
8	Malus sylvestris	120 cm r/b
9	Sorbus aucuparia,	14-16cm
10	Pinus sylvestris	120 cm r/b
11	Aesculus hippocastanum,	16-18cm
12	Quercus robur,	14-16cm
13	Tilia cordata,	14-16cm
14	Juglans nigra	120 cm r/b
15	Cedrus deodora,	120 cm r/b
16	Acer griseum	14-16cm
17	Amelanchier lamarckii	200 cm r/b
18	Arbutus unedo	120 cm r/b
19	Rhus typhina	120 cm r/b
20	Viburnum opulus	100cm r/b

Landscape Treatments

Soft landscape Treatment

- Proposed Tree planting - See List
- Existing Trees
- Retain Existing Hedgerow Meadow areas to planted - around existing hedgerows
- General grass areas Open space
- Private grass areas
- Ground cover mix
- H1 Native Hedgerow
- H2 Front garden hedgerows Eleaegnus x ebbingei
- Bulb planting mix
- Playground - Safa Grass or similar approved
- Grass Crete or similar approved

Hard Landscape Treatment

- Permeable paving-driveways or similar approved
- Permeable paving-on street parking or similar approved
- Homezone-coloured chip in top layer, or similar approved
- Brushed Concrete Footpath or similar approved
- Tarmacadam surface or similar approved
- Existing KCC Path
- Rider surface to allow KCC Vehicle access

Boundary Treatment

- Boundary Treatment 1 2.5 m High Noise Barrier or similar approved
- Boundary Treatment 2 3.5 m High Noise Barrier or similar approved
- Boundary Treatment 3 2 m High Block Wall or similar approved
- Boundary Treatment 4 1.8 m High Wooden Panel Fence Concrete Post or similar approved
- Boundary Treatment 5 2 m High Feature Wall - Stone Wall Fair Face to Private Realm or similar approved
- Boundary Treatment 6 2m High Feature Wall - Brick Wall Fair face to Private Realm or similar approved
- Boundary Treatment 7 1.2 m Metal Railing or similar approved
- Boundary Treatment 8 1.2 m Post and Railing eco-friendly or similar approved
- Boundary Treatment 9 2m High Feature Wall - Dry Dash Fair face to Private Realm or similar approved
- Pedestrian Gate see details or similar approved
- Vehicle Gated access Pedestrian Gate see details or similar approved
- Bin Stores No outside access to back gardens

NATURAL PLAY ITEMS:

- Play Item 1 Swirly Alley NR7812 (Or Similar Approved)
- Play Item 2 Twisted Net NR0626-1001 (Or Similar Approved)
- Play Item 3 Balancing Beam (Or Similar Approved)
- Play Item 4 Overhead Bars NR7497 (Or Similar Approved)
- Play Item 5 Parallel Bars NR7231 (Or Similar Approved)
- Play Item 6 Embankment Slide (Or Similar Approved)
- Play Item 7 Butterfly Sea-saw NR0108 (Or Similar Approved)

Revisions:

REV	DATE	BY	DESCRIPTION
Q	11.09.19	JC	Revised Paths
R	04.10.19	MR	Revised Paths & Turnabout
S	09.10.19	JC	Revised Paths & Turnabout
T	16.10.19	JC	Access gate relocated
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V	25.10.19	MR	Revised Layout

Project Title:
Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Client: Rycroft Homes Ltd.

Drawing Title: Combined Landscape & Engineer

Job No.: 1412

Dwg. No.: 08

Scale: A1 1:1000

Date: 14.08.2019

Drawing By: GT

Checked By: RMD

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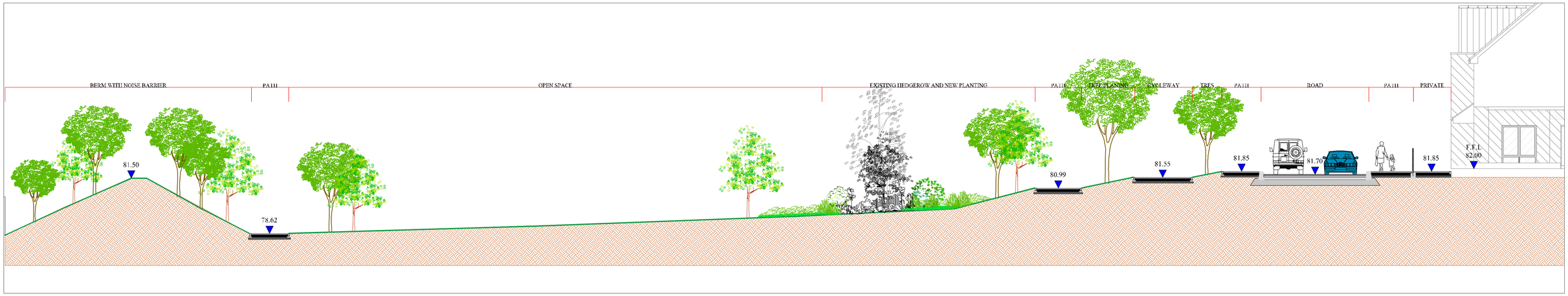
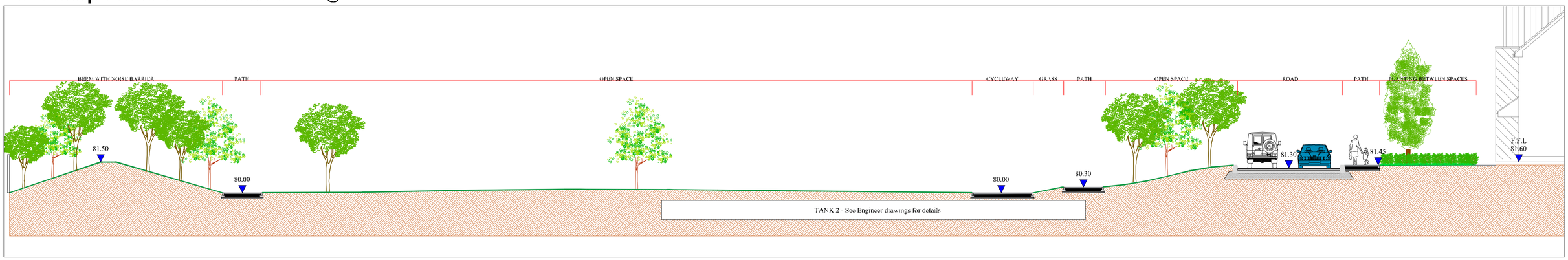
fax: +353 1 401 3748 e-mail: ronan@rmda.ie

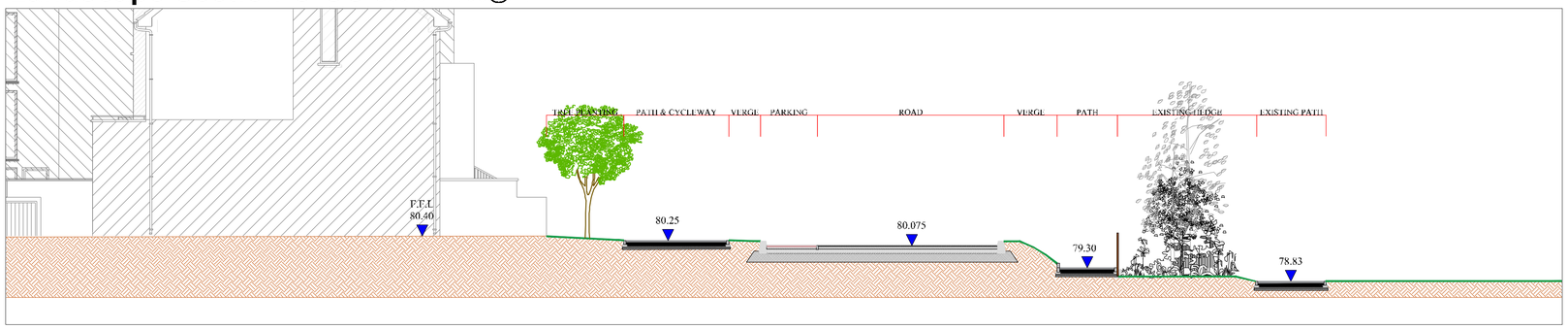
Landscape Section A-AA *Scale 1:100@A1*



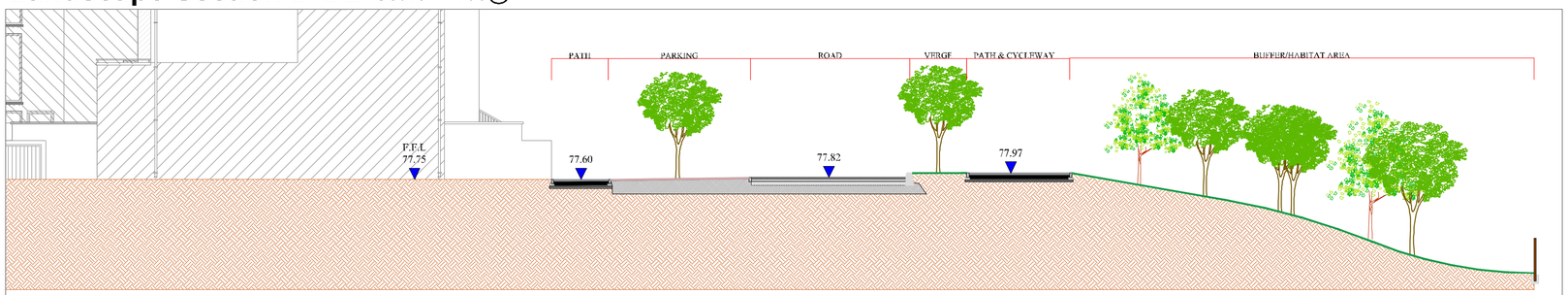
Landscape Section B-BB *Scale 1:100@A1*



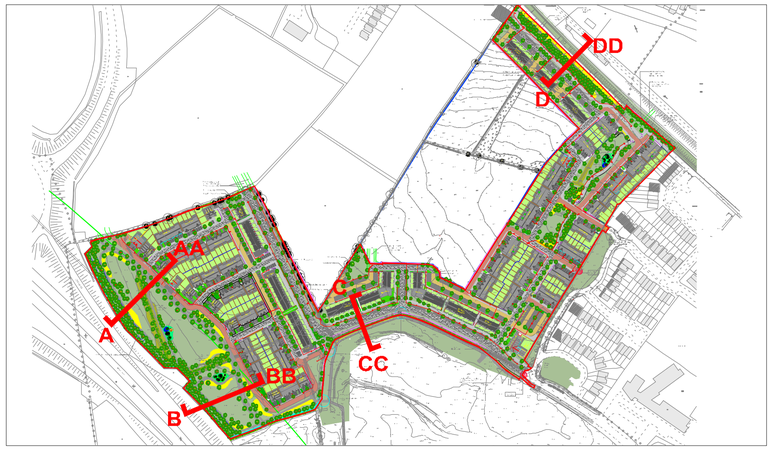
Landscape Section C-CC *Scale 1:100@A1*



Landscape Section D-DD *Scale 1:100@A1*



Section Locations *Scale nts*



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V	25.10.19	MR	Revised Layout

Project Title:
Proposed Development at Lands adjoining Brayton Park, Kilcock, Co. Kildare.

Dwg. No.: 09

Scale: A1 As shown

Client: Rycroft Homes Ltd.

Date: 14.06.2019

Drawing Title: Landscape Sections

Drawing By: GT

Job No.: 1412

Checked By: RMD

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