Landscape Components

Landscape Components

Landscape Proposals - Design Style and Character



Pedestrian and Cyclist friendly vehicular free zones and corridors



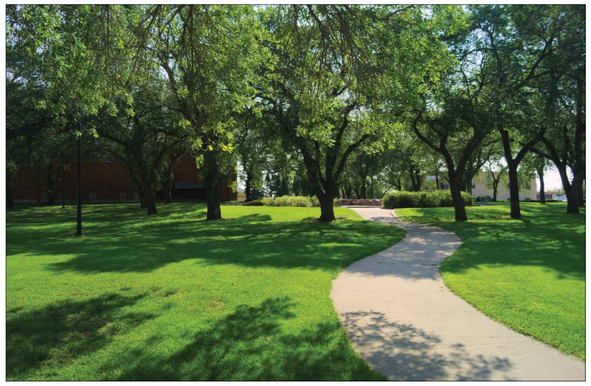
Mid size tree and hedging for visual buffering and softening near buildings



Informal low maintenance bulb planting throughout public open spaces and greenways



Gently contoured grass areas and sweeping curved paths



Sweeping green links for access through open space topography



Ample provision for kick-about areas and informal play



Offset public open space areas for social interaction and informal play



Informal natural play pieces strategically incorporated



Appropriate street tree planting to visually soften building and create green corridors

Landscape Components

Planting Recommendations

Planting Schedule

Plese refer to numbers on attached plan.

Key	Plant name	Size
	Focal point Feature Trees	
	Special focal point trees for special interest and stature within the larger open space areas	
1	Fagus sylvatica Dawyck	RB 14-16
2	Quercus robur Fastigiata	RB 14-16
3	Carpinus betulus Fastigiata	RB 14-16
4	Tilia cordata GreenSpire	RB 14-16
5	Acer platinoides Negenia	RB 14-16
6	Alnus incana Aurea	RB 14-16
7	Quercus robur	RB 14-16
8	Aesculus hippocastanum Briotii	RB 14-16
	Trees for planting in Clusters	
	For informal cluters with three trees per cluster. Light foliage trees which will appear as one informal visual unit when clustered.	
9	Crataegus x Pauls Scarlet (or similar approved, subject to availability)	BR 10-12
10	Betula jacquemontii	BR 10-12
11	Liquidamber sytaciflua	BR 10-12
	Narrow Fastigitate trees for vertical effect	
	Narrow form upright growing trees where a non-spreading growth habit is required.	
12	Carpinus betulus Franz Fontaine	RB 14-16
	Trees for Linear effect along streetscape / roadside edge.	
	Mid size trees for soft visual buffering and veiling with managebale growth rate and habit.	
13	Acer campestre Elzrijk (Including for Bioretention tree pits as shown)	RB 14-16
14	Corylus colurna VDB Obelisk (or similar approved, subject to availability)	RB 14-16
15	Acer campestre Green Column	RB 14-16
	Small Trees for areas closer to buildings	
	Smaller trees for positioning in margins and areas around buildings. Trees which frame and direct focus to the building entrances.	
16	Carpinus betulus Monumentalis (Dwarf Hornbeam) (or similar approved, subject to availability)	BR 8-10
17	Betula jacquemontii	BR 8-10
	Focal point small trees at frontage and at end units	
18	Amelanchier anlnifolia Obelisk or Acer griseum / davidii or similar	RB 120 -150 / Potted / RB 2-2.5m
19	Prunus padus Nana (or similar approved , subject to availability)	BR 10-12
20	***Small Trees / Multistems to define Entrances and semiprivate areas***	
	Small trees and Specimen shrub varieties at selected locations within ornamental planting areas to provide vertical effect and visual anchor points. To be selected fom the following or similar approved.	
	Acer davidii Amelanchier lamarkii Acer griseum Ilex aquifolium standard	Potted or RB 150 Potted or RB 150
	Specimens be selected form the following or similar approved :	
	Ilex aquifolium JC Van Tol pyramid Laurus nobilis pyramid Ligustrum texanum standard Viburnum tinus Eve Price standard	20L 120cm 20L 120cm 20L 120cm 20L 120cm
	(or similar approved mid sized specimens)	
	Hedging	
	(To divide front garden areas) *Low to mid size native evergreen hedging to divide and provide a softening effect in selected locations between private spaces*	
H1	Ilex aquifolium *Or* *(Selected areas to be palnted with faster growing more dense effect)* Prunus lusitanica Angustifolia	5L 60-90 Ht 50-80cm
H2	*Hedge for more informal effect* Fagus sylvatica (300mm centres)	BR 90-120
H3	*Native mixed hedging to southern and northern boundaries* Plant the following at 300mm centres (randomly mixed) -	
	Crataegus monogyna (45%) Prunus spinosa (20%) Ligustrum vulgare (15%) Euonymus europaeus (5%) Ilex aquifolium (10%) Viburnum opulus (5%)	BR 90-120 BR 90-120 BR 90-120 BR 90-120 3L 40-50 BR 90-120
B1	***Infill native buffer whip planting Areas***	
	Native mixed planting at 1.2-1.5m centres and infill offset ESB area to west of link road	
	Euonymus europaeus (15%) Ligustrum vulgare (15%) Ilex aquifolium (15%) Corylus avellana (10%) Malus sylvestris (15%) Sorbus aucuparia (15%) Betula pendla (15%)	BR 90-120 BR 90-120 3L 40-50 BR 90-120 BR 90-120 BR 90-120 BR 90-120
B2	***Infill informal mid size planting on embankments and buffer whip edges***	
	As per guidelines as outlined in the All Ireland Pollinator Plan for road embankment areas 'Pollinator friendly management of Transport corridors'	
	Informal native planting band native shrubs : — *Approx 80% of total* *Principally Rosa rugosa and a range of pollinator friendly native plant types to create a mid level planting band.*	
	Rosa rugosa (55%) Euonymus europaeus (15%) Ligustrum vulgare (15%) Viburnum opulus (15%)	BR 60-90 BR 90-120 BR 90-120 BR 90-120
	Informal clusters of additional barrier plants : — *Approx 20% of area* *Intermediate clusters of Pollinator friendly planting barrier type plants as outlined in the All Ireland Pollinator Plan, arranged in randomly disperesed informal clusters.*	
	Mahonia aquifolium (40%) Viburnum tinus (30%) Berberis darwinii (30%)	3L 30-40 3L 30-40 3L 30-40
W1	***Low Maintenance Wildflower Mix Species rich Grass Areas***	
	Recommended seed supplier Design by Nature, Kilkenny, or similar approved. Only native Irish provenance seed to be used. As per specialist suppliers instruction. Seed Mix may be altered by wildflower specialist on final examination of site and soil conditions post construction. *Irish Wildflower Conservation Grade Seed Mixture:* *Range: Wild Flower Mixtures (Code WF)* *Product Name: Biodiversity Wildflower Meadow Mixture (Tolerates light-shade)* *Product Code: WF02 (or similar approved)* *For any normal dry to moist soil and some species will grow in semi-shaded places especially those enriched with humus or rotted leaves, hence the addition of bluebell and other species.* *Species List to incoroprate with grass :* *Annual Mayweed, Birdsfoot Trefoil, Black Meddick, Bladder Campion, Bluebell, Burdock, Cat's Ear, Common Sorrel, Corn Marigold, Corn Poppy, Corn Spurry, Corncockle, Cornflower, Cowslip, Devil's-bit Scabious, Eyebright, Field Scabious, Flag Iris, Fleabane, Foxglove, Garlic Hedge Mustard, Hemp Agrimony, Hoary Plantain, Kidney Vetch, Ladies Ann Lace, Lady's Bedstraw, Common Centaury, Lesser Knapweed, Musk Mallow, Marjoram, Meadow Buttercup, Meadowsweet, Mullein, Ox-Eye Daisy, Pineapple Mayweed, Purple Loosestrife, Ragged Robin, Red Bartsia, Red Campion, Red Clover, Ribwort Plantain, Rough Hawksbit, Selfheal, Shepherd's Purse, Smooth Hawksbit, St. Johnswort, Yellow Rattle*	
	Groundcover / Pollinator friendly Planting	
	Front Apron Adjoining Buildings and planting islands. Selected ornamental groundcover planting for planting in the immediate surrounds to the buildings. *Plant in informal groups at the spacings indicated, selected from the following varieties, with minimum 6 plants per group. Note - the decorative shrub and pollinator friendly perennial groundcover planting varieties may be adjusted by landscape architect at time of lanting in keeping with the principles of the attached plan. Indicative extent of low planting.*	
G1	Low planting areas to be selected form the following or similar approved : *(or similar varieties to landscape architects instruction in keeping with the planting theme)* *Plant name*	
	Euonymus Emerald Gaiety Geranium Rozanne Hebe Galway Bay Sarcococca humilis Crocosmia Lucifer Fuchsia Tom Thumb Lavendula hidcote Buxus sempervirens (edging) Nepeta Walkers low Geranium Wargrave Pink Miscanthus sinensis Zebrinus Agapanthus albus Hemerocallis Red Rum Libertia caerulea Stipa Ponytails	2L 20-30 0.45 5L 40-50 0.4 2 L 20-30 0.6 2L 20-30 0.45 2L 20-30 0.6 2L 20-30 0.45 2L 20-30 0.45 3L 30-40 0.35 2L 20-30 0.45 2L 20-30 0.45 2L 20-30 0.45 3L 30-40 0.45 2L 20-30 0.45 2L 20-30 0.45 2L 20-30 0.45
	Mulching	
	All planted areas to be mulched mini chip fine grade bark much to a settled depth of 60mm.	



Carpinus betulus Franz Fontaine



Quercus robur Fastigiata



Acer campestre Elzrijk



Amelanchier lamarkii



Fagus sylvatica Dawyck



Betula jacquemontii

Landscape Components

Proposed Hardscape Materials



Propsoed gentle contouring in grass areas taking into account the sloping nature of the site.



Proposed brushed concrete finish for principal footpaths



Optional concrete finish or alternative Bit mac paths within open space areas, edged with concrete pencil kerbing.



Car parking bays to be surfaced in selected permeable paving as per engineers detail



Proposed natural play equipment in Robinia wood (see further detail under play equipment section of this report)



Seating at intervals as shown on landscape masterplan. Manufacturer -Omos, Model S 96w or similar approved by Hartecast or similar. Composite material, et on paved platform adjant to pathway area as shown on accompanying plan.



Proposed Safa- ghrass surface under designated safety zones around natural play equipment pieces

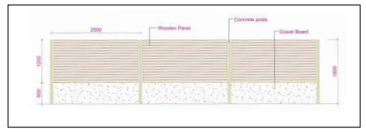


Proposed raised table at key junctions in contrasting highlight colour or exture to engineers detail

Proposed Boundary Treatments :

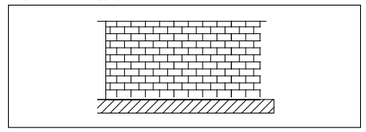
Boundary Treatment 1 :

Back garden divisions
Concrete post and timber panel fencing (or Hit and miss timber panel fencing) (1.8m 1800mm) high or similar approved with proprietary concrete gravel board and concrete posts



Boundary Treatment 2:

Concrete block wall. Fairfaced finish.2 metres in height piers at intervals as specified by engineers, and capped with precast concrete capping.



Boundary Treatment 3:

Existing boundaries retained. Primarily existing hedgerows (to be protected as per arborists recommendations)



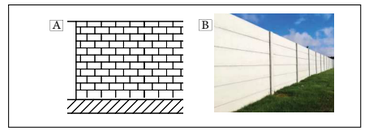
Boundary Treatment 4:

Soft planting along unit interfaces. Consists of a combination of hedging, small trees, focal point tree and pollinator friendly infill planting. Please refer to landscape plan areas for further detail.



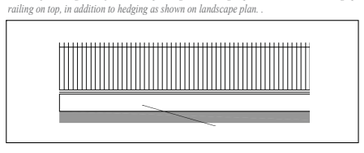
Boundary Treatment 5:

Concrete finish part retaining walls where required. To consist of wither A or B below:
A. Concrete block wall to rear garden end boundaries. Fairfaced finish. 1.8m metres in height piers at intervals as specified by engineers, and capped with precast concrete capping.
B. Alternatively concrete post and concrete panel fence for partial retaining at lower levels and secure boundary. To consist of concrete 300mm high x 1800mm long fence panels x min 6 no high (ie 1.8m height min following site topography. To be used be where a retaining function is required between rear garden levels.



Boundary Treatment 6 :

Proposed retaining / low wall & retaining to seperate perimeter footpath from lower levels to north, east and west of back to back units. To consist of fill height 1.2m railing or low plastered plastered blockwork wall to 600mm above adjacent higher surface level depending on retaining requirement, with 600mm high powder coated steel railing on top, in addition to hedging as shown on landscape plan. .



Boundary Treatment 7:

Native mixed hedge to provide uniform frontage to the south of the site along the link road and surrounding existing open space to south east. Supplemented by trees at intervals as per landscape plans.



Boundary Treatment 8 :

Existing timber post and wire fence surrounding existing attenuation area to the south east of the site to be retained, and fronted with a proposed uniform hedgeline as per boundary treatment no.4



Boundary Treatment 9 :

Existing timber panel fencing along rear garden boundaries of adjoining properties to the south east fo the site



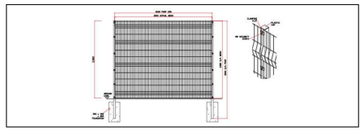
Boundary Treatment 10 :

Low to mid size garden hedging to create soft surrounds to back to back units. Low to mid size evergreen hedging as specified in landscape plans.



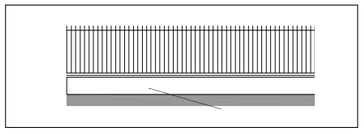
Boundary Treatment 11 :

Green powder coated palladine weldmesh fence to be inserted adjacent to existing tree / hedgerow boundary for minimal impact on rootzone areas. Height 2.1metres.



Boundary Treatment 12 :

Low supprt wall faced brick avg 600mm high with 1.2m high decorative steel railing on top, for retaining function-protection and security at selected change of level adjacent house entrances



Please refer to Boundary treatment Drawing

Proposed Hardscape materials

A selected range of coordinated surface types, textures, colours and patterns will be used to differentiate key areas of the scheme and add to the character of each zone. A hierarchy of surface materials will define open space pathways, road-side paths, home-zone surfaces, and designated offset paved hubs for social interaction within the open space pathway network. A complimentary range will harmonise with the materials chosen for the building facades.

Seating will be provided at intervals as outlined on the landscape masterplan. Seating types will consist of quality Omos or Hartecast benches or similar approved, placed on bound material platforms for ease of maintenance adjacent to pathway areas.

Road and raised table surface differentiation to engineers details (in accordance with road safety guidelines and DMURS)

(Please refer surface finish plan on following sheet and also to Boundary treatment Drawing).



Please refer to Boundary treatment Drawing

Landscape Components

Proposed Hardscape Materials



Key :

- Denotes proposed raised table road surface in contrasting colour to engineer's detail
- Denotes Brushed concrete to footpath areas (or similar to engineers details)
- Denotes concrete or alternative bit-mac finish to open space pathways (with flush pencil concrete kerb edging) to engineer's detail
- Denotes car parking permeable surface aspart of suds strategy. To engineers detail.
- Base to natural play pieces - Safa-grass surface to manufacturer's recommended safety areas shown for individual pieces.
- Denotes social nodes surfaced in tar macadam with pencil concrete flush edging.
- Denotes Homezone area in selected contrasting coloured hot rolled asphalt or similar approved to engineers detail

Note : Blister pavement to pedestrian crossings and courduroy hazard warning pavement to pedestrian crossovers (to engineering details)

Please refer to Architectural and Engineering drawings for full extent of road and pathway surfaces.

Scale 1 : 1000 (@A3)

Hayes Ryan Landscape Architecture
Landscape Architects, Horticulture & Environmental Consultants

Landscape Components

Play Strategy









Natural Play

Natural play equipment and informal kick-about play areas are included and strategically placed within each open space.

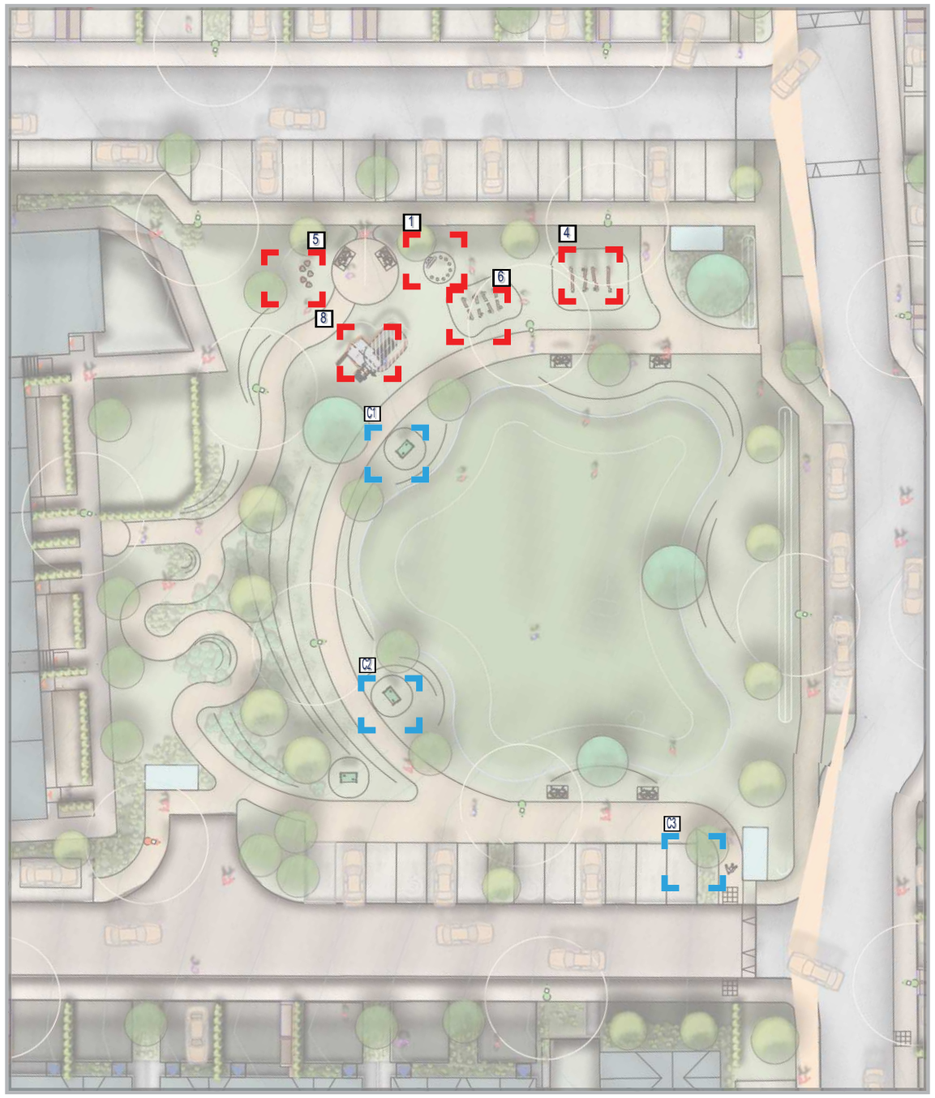
The pieces are arranged for interest and curiosity and for passive surveillance from surrounding pathways, dwellings and adjacent seating areas.

The equipment listed on the attached plan is an indicative range of natural play equipment pieces in timber, containing no nets, ropes or swings. Precise equipment types to be agreed with local authority.

- The recommended play equipment pieces will be integrated into gentle mounding.
- The intention is for stimulation, and natural elements with sensory emphasis.
- Trees are incorporated for additional sensory experience.
- Social interactions, intimate spaces and contrasting open kick-about areas.
- Includes exploratory elements, hiding places, mounding, areas for chasing games.
- A range of sensory experiences to stimulate imagination and creativity.
- Multifunctional Outdoor Gym piece for adults and teenagers

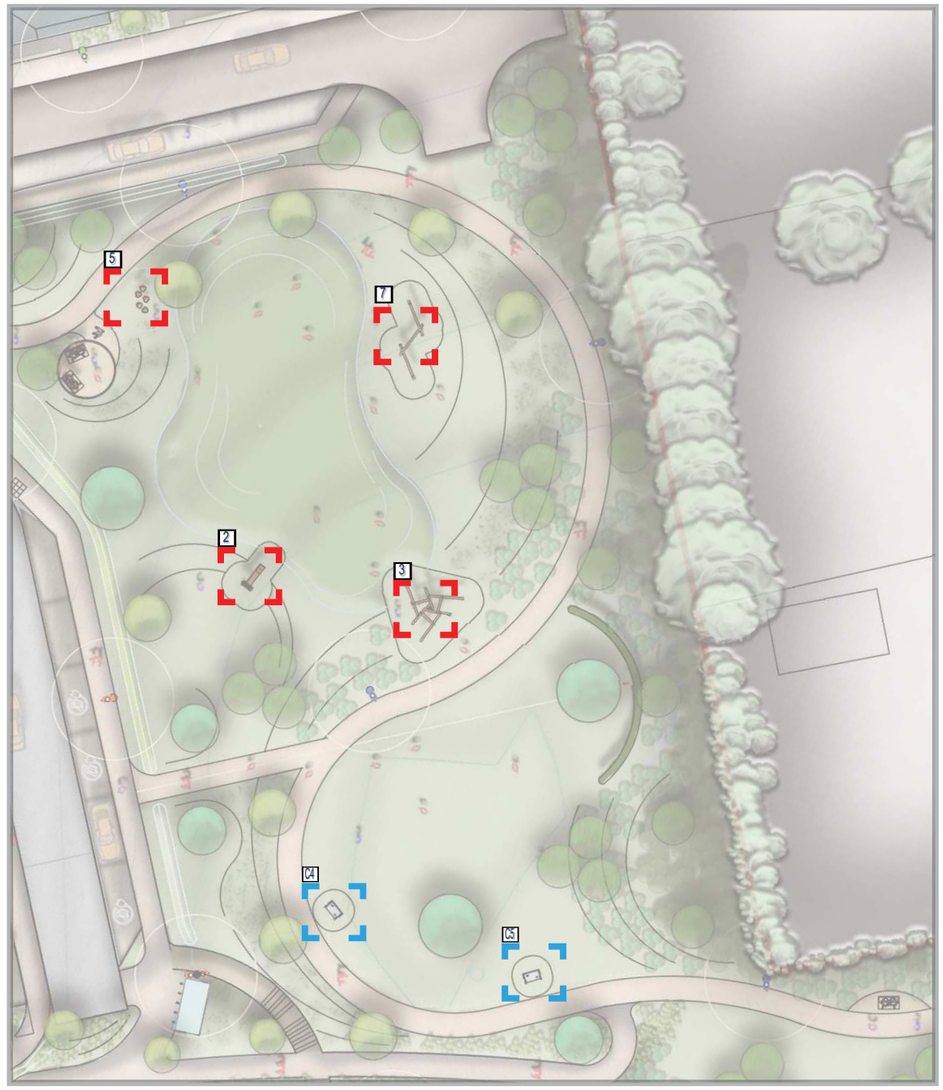
Landscape Components

Proposed Natural Play Zones and Equipment



Key Location Plan 'A' (Central Open Space)

Scale 1 : 500 at A3



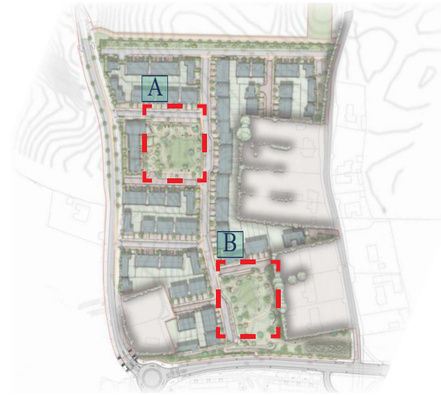
Key Location Plan 'B' (Southern Open Space)

Scale 1 : 500 at A3

Note :

Numbers on plan opposite refer to individual proposed types of natural play equipment, - please refer to following sheet.

All equipment pieces to comply with European standards EN 1176-1-11 and EN 1177 Playground equipment and surfacing.



Key Location Plan (Not to scale)

Landscape Components

Proposed Natural Play Equipment

Natural Play Items

ROBINIA RB1348



1

ROBINIA RB1293

3 - 14 years | 4 kids | 19,8 m²



2

ROBINIA RB1280

4 - 12 years | 6 kids | 45,9 m²



3

ROBINIA RB1274

3+ | 16 kids | 29,7 m²



4

KOMPAN Let's play

Waterlilies Balance Post, 5 pcs

NRO820



5

ROBINIA RB1260

3+ | 4 kids | 20,7 m²



6

ROBINIA RB1257

3+ | 16 kids | 34,5 m²



7

KOMPAN Let's play

0102-018-001
Boaty 950 RO



8

ROBINIA RB1348



9

Callisthenic Equipment Items

Parallel Bars

FSW201



Street workout is a physical activity that symbolises the freedom of movement and encourages socialising. It is a combination of athletic gymnastics and other sport and usually performed in outdoor workouts. A Parallel Bar can be found on every street workout area to train the upper body and core stability. The Parallel Bar fits really well in an Obstacle Course. The rounded corners make it easy to swing your legs across the Parallel Bars, making it safe to try new tricks without the risk of injuries.

C1

Sit Up Bench

FSW203



The Bench provides perfect training for the core and lower back muscles by doing exercises such as leg lifts and sit ups. Easy to adjust backrest helps you perform and do the exercise in a correct way. The durable Ekogrip® surfacing offers perfect grip, allowing the bench to be used as a jump box for performing various step and jump exercises under all weather conditions. The Bench has a clear instruction sign showing the basic exercise and a QR code. By using the QR code users can connect to the KOMPAN fitness App, where they will find multiple exercises and workouts at every level.

C2

Push Up Bars

FSW209



The push up bars are specifically designed for upper body training. The chest and arms can be trained through exercises such as rows or dips. If you do not mind getting dirty you can 'belly crawl' underneath the bars. Otherwise a single hurdle can also be used for exercises on the spot such as push ups and high jumps. The Push up Bars have a clear instruction sign showing the basic exercise and a QR code. By clicking on the QR code users can connect to the KOMPAN fitness App, where they will find multiple exercises and workouts at every level.

C3

Pull Up Station

FSW208



The vertical ladder can be used as a wall, to influence difficulty levels of various exercises such as hand stand push ups, Bulgarian split squats and push ups. Additionally the vertical ladder is perfect for stretching and offers a step up for reaching the pull up bar. The Pull Up Bar is made from solid steel and has a diameter of Ø32 mm. An ideal size for both men and women to have a good grip.

C4

Dip Bench

FSW202



A row of parallel handle bars suitable for the more advanced hand balancing exercises such as hand stand push ups. Also perfect for dips, an ideal exercise for strengthening the chest, shoulder and arm muscles. Rounded corners makes it safe and simple for anyone to try exercises in which they try to swing their legs over the bar. The Dip Bench has a clear instruction sign showing the basic exercise and a QR code. By using the QR code users can connect to the KOMPAN fitness App, where they will find multiple exercises and workouts at every level.

C5

Light grey outline around each play piece on masterplan drawing represents extent of impact safety zonze for surfacing with safagrass, ground protection grass matting safety surface or similar approved, to comply with European standards EN 1176-1-11 and EN 1177 Playground equipment and surfacing.Extent of coverage to specialist Playground supplier detail.

Note :

For locations please refer to Natural Play Zones Plan on previous sheet.

All equipment pieces to comply with European standards EN 1176-1-11 and EN 1177 Playground equipment and surfacing.