



Landscape Report

**PROPOSED STRATEGIC HOUSING DEVELOPMENT AT
PA HEALY AND CANAL ROAD
LIMERICK**

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February 2021

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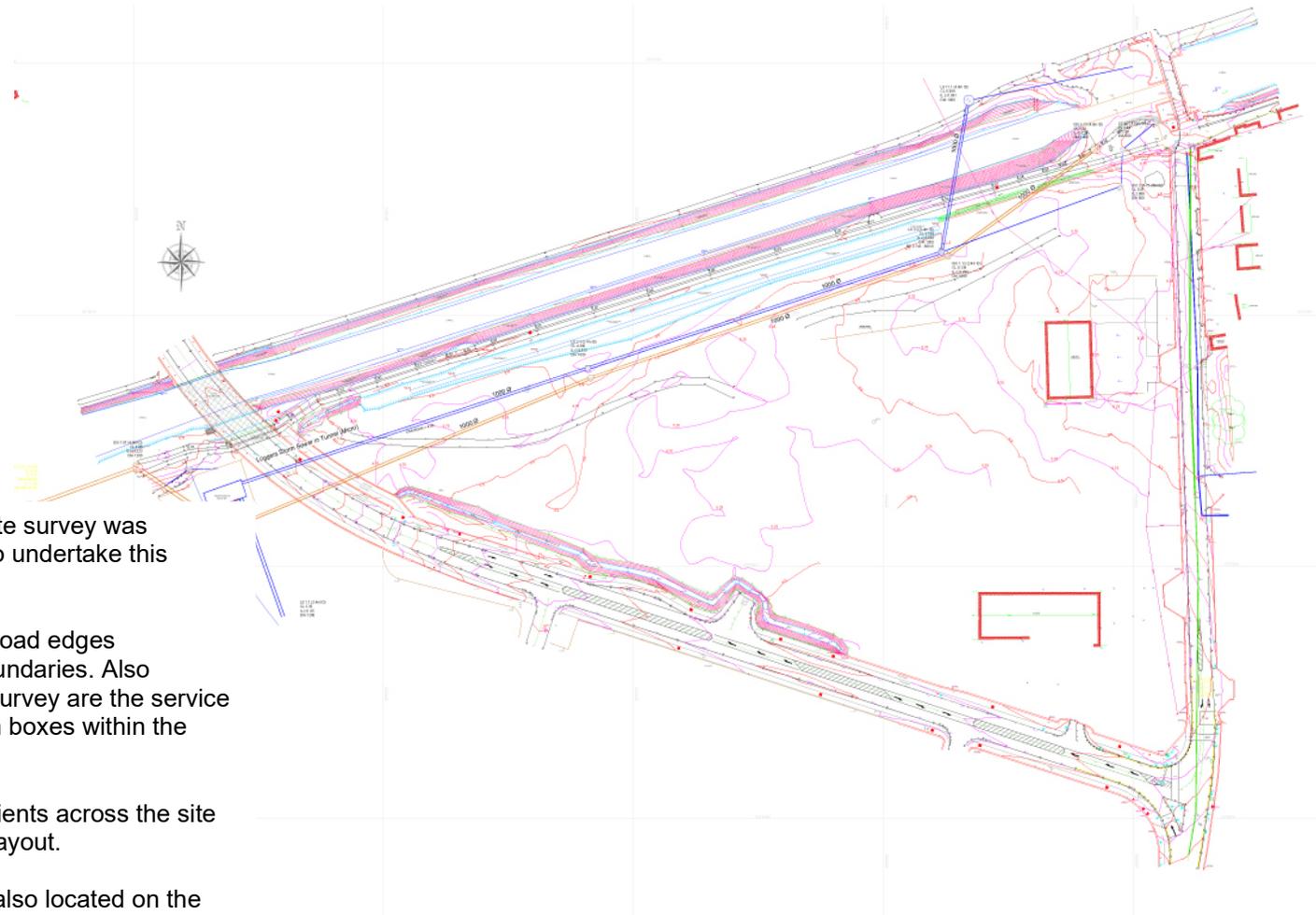
INTRODUCTION

The proposed development will comprise the construction of a mix of residential units, Creche and retail units, with

- associated site works
- upgrading works to site entrance area along
- pedestrian and cyclists link through site to site boundary with potential to link further to existing and adjoining canal pedestrian and cycle routes
- vehicular parking for residents and visitors
- bicycle parking for residents and visitors
- play facilities to facilitate residents from ages 0 to young teens
- residents' amenities with seating courts, areas to encourage residents to meet with fellow residents and to allow younger children to enjoy adult company
- exercise equipment stations within the open space area

The site is bounded to the north by a Canal with established and well used pedestrian and cycle routes, the southern boundary is formed by a regional distribution roadway and commercial site. The eastern boundary is a local access road serving residential and commercial lands . The western boundary is formed with a roadway leading to Corbally roundabout.

The site is situated in an area with developing residential under construction, also there are mature gardens containing a good mixture of mature to semi mature trees and shrubs all in various state of condition from very healthy to requiring some assistance.



A comprehensive and detailed site survey was undertaken and made available to undertake this design proposal.

The survey includes the existing road edges immediately abutting the sites boundaries. Also surveyed and shown on the site survey are the service chambers, manholes and junction boxes within the site's perimeters.

The existing and natural soil gradients across the site are illustrated on the site survey layout.

The existing scrub and foliage is also located on the site survey drawing.

Site Survey

DEVELOPMENT STANDARDS

In the preparation of the landscape proposals cognisance is taken of the.

- County Development Plan
- Hard Landscaping, materials, street furniture, boundaries
- Soft Landscaping,
- Existing trees tree survey and tree protection to BS 5837;2012
 - Tree retention/removal plan
 - Details of retained trees and root protection zone
- Tree works recommendations to BS 3998;2010
- New trees planting and maintenance to BS 8545; 2014
- Sustainable Urban Housing; Design Standards for New Apartments
- National Pollinator Plan
- WHO +UN Environmental Programme

DESIGN OBJECTIVES

The objective of the landscape proposals is to provide this proposed residential development with a range of high-quality materials and finishes that reflect the quality of the site's environment, the sites heritage and the architectural proposals. Materials that will integrate the development into the surrounding environment will be sensitive to nearby properties and any future developments.

A proposal will achieve a landscape that is:

- Attractive and practical and will provide an environment that is encouraging to residents to partake in its development.
- Of high quality, with hard and soft landscape materials that is sensitive to the site's location.
- Using native plant material or plant materials that are adopted and long established in the area and that are suitable in terms of mature size.
- Acknowledging long term maintenance and sustainability.
- Planting that will contribute to wildlife development and movement both within the site and along its edges.
- Provides a permeable network and connectivity to the greater environment for pedestrians and cyclists

LANDSCAPE DESIGN STRATEGY

- The residential units are orientated within architecturally defined groups along the entrance roadway. This road leads to a main open space positioned and designed as a directly accessible centre of the proposed community that will accommodate pedestrians, cyclists, children and adults at play and to encourage the development of wildlife habitats and corridors
- The architectural residential zones are positioned to encourage and provide access to open spaces and sitting courts. Most of the dwellings will have views over the open space areas and will be able to provide visual and passive supervision of the open space area and its users.
- Play areas are proposed to further enhance the quality of the landscape and contribute to the residents living experience.
- It is proposed that the seating courts positioned along the main pedestrian route be enclosed with sensorial plant types to enhance the visual, tactile and aromatic experience of the landscape user as they utilize the landscape.
- To reinforce the landscape proposals a range of light fittings will be incorporated to illuminate the pedestrian route through the site to minimise any light overspill to residential groups.
- Using hard and soft landscaping materials that will contribute to a sustainable environment that encourages the development of wildlife movement in and around the site.
- Planting of Native Wildflowers, Meadow Grasses, early flowering bulbs, planting and urban forestry planting within the open space will provide a unique environment to the local and regional community.
- The maturing planting and the mixed wildlife planting to the boundary with the playing field will encourage and allow to evolve a wildlife corridor that will develop into a unique landscape for residents and visitors to this development

The master plan layout indicates the propose dwellings.

- retain mature trees and hedgerows that are in good condition and contribute to the overall environment
- developing through the site a pedestrian and bicycle pattern of circulation and connectivity to link with the existing off site local pedestrian and bicycle routes
- provide a landscape open space that is self contained and visually appealing to use
- encouraging social interaction with seating courts and play areas on the access podium
- developing a play strategy with formal and informal play equipment including
 - active play equipment
 - casual play and seating areas
 - encourage creative play
 - all weather play court to accommodate multi-play activities
 - close to sensorial planting
 - exercise stations through open space
- mixed planting throughout the site to further encourage and to allow wildlife corridors develop
- develop a landscape that encourages social interaction and develops with the community
- encourage usage of trim trail with display signs describing equipment usage

DESIGN PROPOSALS



Landscape Masterplan Proposals

LEGEND

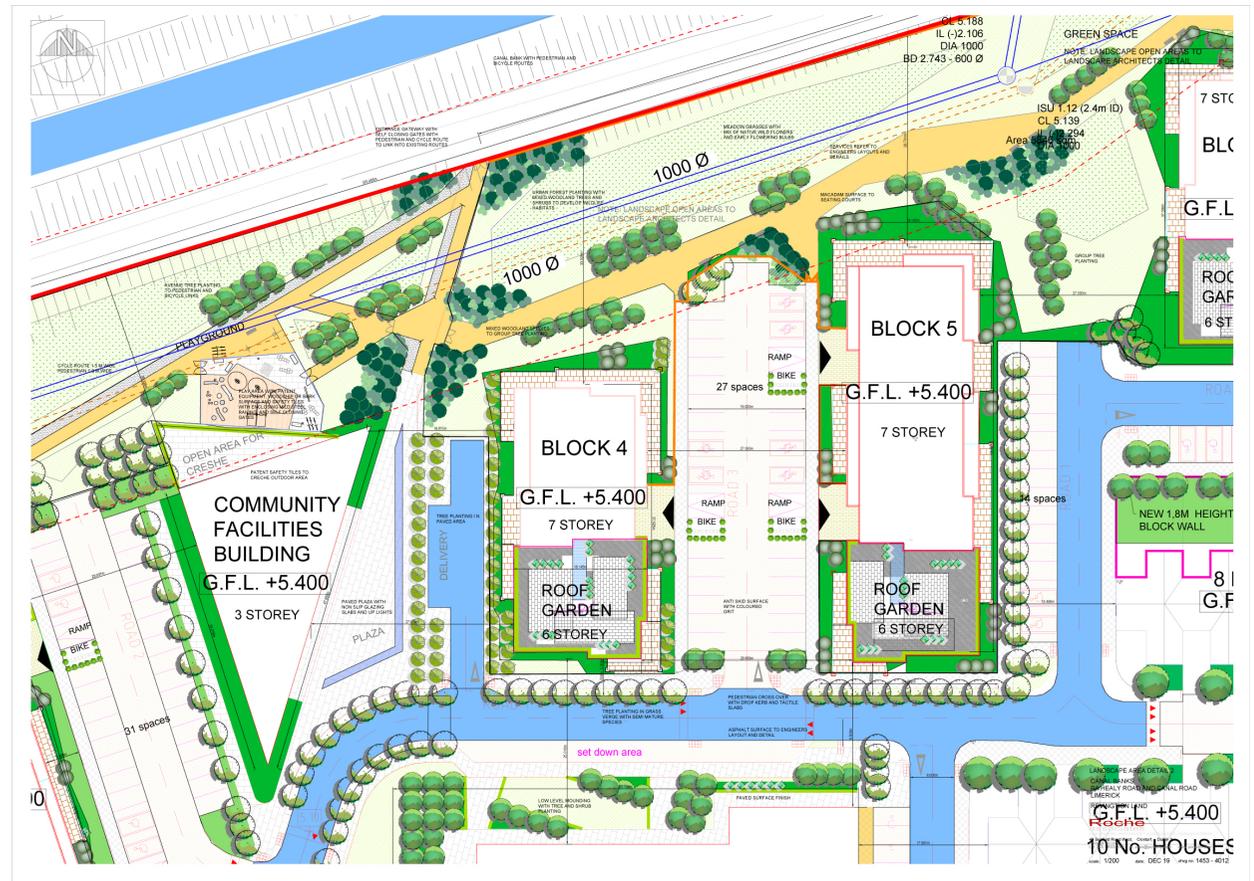
	INDICATES EXISTING TREES ON SITE NUMBERS REFER TO DETAILED TREE SURVEY REPORT
	RETAINED TREES TO BE PROTECTED WITH TEMPORARY PROTECTIVE FENCE FOR DURATION OF SITE AND DEVELOPMENT WORKS TREES TO HAVE AGREED SCHEDULE OF WORKS TO BE UNDERTAKEN
	INDICATES MEDIUM TO LARGE GROWING PARKLAND STYLE TREES PLANTED INTO PREPARED PITS TO OPEN SPACE AREAS
	INDICATES LOW TO MEDIUM GROWING TREES PLANTED IN PREPARED TREE PITS WITH STEEL GRILLE IN HARD LANDSCAPE SURFACE
	LOW GROWING TREE PLANTING WITH SINGLE TREATED TREE STAKE SET INTO PREPARED PLANTING PITS
	INDICATES PLANTING WITH LARGE GROWING SHRUBS SET IN BOTTOMLESS PITS
	PLANTING WITH MIXED WOODLAND TREES AND UNDERSTOREY MIXED WOODLAND SHRUBS TO ENCOURAGE WILD LIFE HABITAT DEVELOPMENT AND PROVIDE WILDLIFE COVER
	INDICATES AREAS WITH MAINTAINED SWARD TOP SOIL DEPTH TO VARY FROM 200 MIN TO 250 SPREAD ON CULTIVATED SUB SOIL
	OPEN SPACE AREAS WITH GRADE 2 SEEDING SPREAD ON CULTIVATED TOP SOIL WITH DEEP SOIL RIPPING AND VERTI DRAINING
	INDICATES AREAS OF NATIVE WILD FLOWERS MIXED WITH SPRING FLOWERING BULBS AND MEADOW GRASS TYPES
	GRASSED AREAS WITHIN PUBLIC OPEN SPACE
	INDICATES AREAS OF PLANTING WITH MIXED SHRUBS WITH BARK AS MULCH SOIL TO BE MIN 450 DEEP SPREAD ON CULTIVATED SUBSOIL INDICATES HEDGING PLANTING WITH MIXED SPECIES MULCH TO BE TREATED BARK TOP SOIL DEPTH TO BE 600 SPREAD ON CULTIVATED SUBSOIL
	HOME ZONE AND PEDESTRIAN CROSS OVER AREAS WITH BUFF COLOUR GRIT SPREAD OVER MACADAM SURFACE
	PAVING SLABS OF NATURAL GRANITE TO ENTRANCE DOORS AND COURTS PAVING SLABS TO BE EDGED WITH GRANITE SETTS CONCRETE RAMP UP WITH IMPRINTED PATTERN OF PAVING BLOCKS
	LIMESTONE GRAVEL IN PATENT GRAVEL RETAINERS ON BLINDED AND COMPACTED HARDCORE TO TAKE MIN 12.5 TON EMERGENCY VEHICLE
	JUNIOR PLAY AREAS WITH BARK OR WOODCHIP SURFACE LAYER SET ON GEOTEXTILE SHEET ON HARDCORE
	BENCH SEATS IN PUBLIC AREAS FOR CASUAL USERS
	PEDESTRIAN ROUTE 1.0 M WIDE AND BICYCLE ROUTE 1.5 M WIDE WITH MACADAM SURFACE AND CROSS FALL - BICYCLE ROUTE WITH APPLIED SURFACE FINISH - BUFF COLOURED
	SEATING COURT WITH BENCH SEATS AND WHERE INDICATED PATENT JUNIOR PLAY ITEMS
	BICYCLE FRAMES WITH STAINLESS STEEL FINISH 172 BICYCLE PARKING SPACES INDICATED
	LOW LEVEL CONTOURING WITH OPEN SPACE AREA CONTOURS +300 OVER ADJOINING PATH LEVELS
	INDICATES CAR PARKING BAYS WITH WHITE COLOURED STONE IN MACADAM SURFACE INDICATES CAR PARKING BAYS WITH RED COLOURED STONE IN MACADAM SURFACE
	LANDSCAPE FEATURE WITH STAINLESS STEEL PERGOLA WITH CLIMBING PLANTS TRAINED OVER BASE OF FEATURE WITH NON SLIP GLAZED PAVING SLABS
	POSITION OF STAINLESS STEEL BOLLARD SET IN PATENT SOCKET AS SET OUT FOR EMERGENCY VEHICLE ACCESS WITH DROP KERB BOLLARD WITH REFLECTIVE TAPE
	+33.930 SPOT LEVELS EXISTING REFER TO ENGINEERS LAYOUTS
	BIN STORAGE WITH COMMUNAL GARDENS WITH OVER HANG TO BICYCLE PARKING
	INDICATES AREA WITH PATENT GRASSCRETE BLOCKS TO TURNING AREA FOR EMERGENCY VEHICLES
	MOTORBIKE PARKING AREA WITH STAINLESS STEEL FRAME 2 NUMBER PARKING SPACES INDICATED
	INDICATES EXTENT OF ATTENUATION TANK IN OPEN SPACE AREA REFER TO ENGINEERS LAYOUT AND DETAILS



Landscape Layout

CENTRE OPEN SPACE AND HOME ZONE LINK

- The linear parkland and circulation route with pedestrian and bicycle routes
- Provide a landscape open space that is self contained and visually appealing to users with
 - Playing kickabout field
 - Play area
 - Basketball throwing court
 - Sculpture pergola feature to add a visual feature within the open space
 - Seating courts
 - Bicycle parking areas
 - Forestry and avenue planting
 - Sensorial shrub planting
 - Meadow grass planting with mix native wildflower and early flowering bulb planting
- Exercise equipment to pedestrian link through open space
- Sculpture piece on pedestrian and bicycle circulation routes

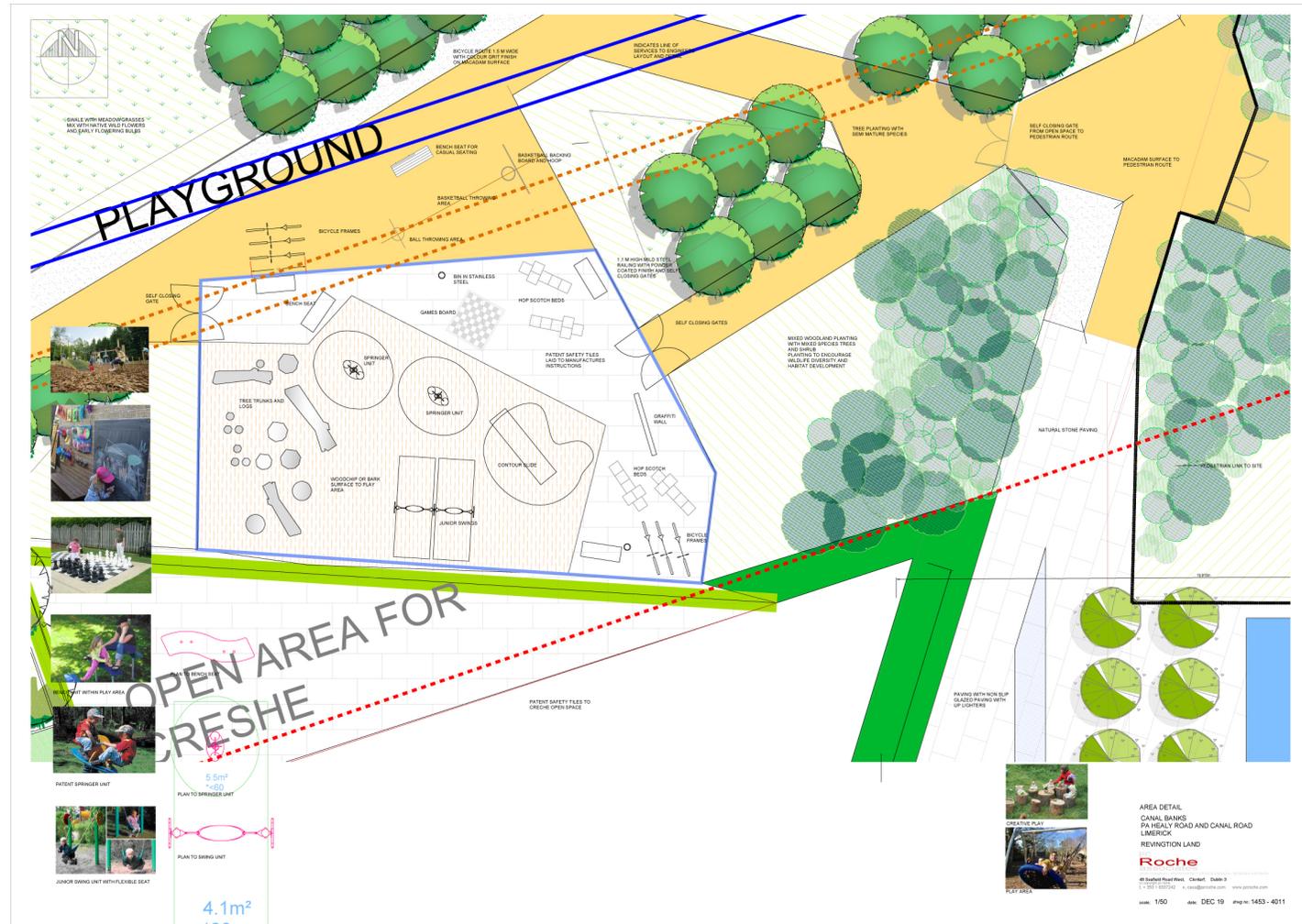


MAIN OPEN SPACE

PLAY AREA;

Range of play areas incorporating

- Active junior play equipment
- Passive equipment to encourage outdoor activities
- Natural play elements of tree trunks and tree logs to encourage individual and group play
- All weather multi-functional court with multi pitch markings
- Basketball throwing markings and basket and hoop
- Board game positions to encourage social interaction
- Contour slide
- Enclosing fence
- Bicycle parking
- Planting and landscape features with sensorial properties
- Seating areas with bins
- Passive surveillance



PLAY AREA PROPOSALS

PRECEDENT EXAMPLES.



Planting to bioengineering swales



Grass sward with paving to residential Courtyards



Residential seating courts to encourage social interaction



Ball court to encourage and develop team and social interaction



Communal gardens maintained by management company with sessional mix of plantings



Residential gardens to high design standard to develop residents and users environmental appreciation and respect



Native plants to encourage wildlife development and habitat creation



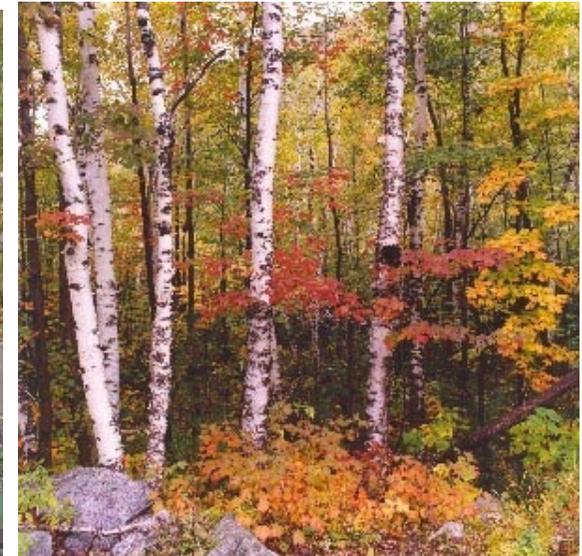
Sensory shrub planting



Seasonal planting with natural flowering colour and contrast as visual appeal



Planting as cover to wild life corridors



Tree and shrub planting as visual and ecological appeal

SERNSORIAL AND STRUCTURE PLANTING



Bicycle stands with frame supporting units



Bench seating



Bin units



Early flowering bulbs in lanw



Grass and natural stone
Paving slabs



Bollards

LANDSCAPE MATERIALS



Native and pollinator friendly planting to Open spaces areas



Regular maintenance to encourage plant development



Contrasting plant texture



Native wild flowers with meadow grasses and early flowering bulbs to encourage foraging, wild life circulation, wild life habitats and development

GRASSES WITH NATIVE WILDFLOWER AND BULB MIX



Sorbus, mountain Ash



Betula, silver Birch



Pinus, scots pine



Hedging with native pollinator plants



Quercus, Oak

NATIVE PLANTING OF HEDGING AND TREES



Exercise equipment to exercise courts



Exercise court with notice on equipment usage



Sculpture piece on visual lines



Sculpture to residential courts

LANDSCAPE EQUIPMENT IMAGES, SCULPTURES AND EXERCISE EQUIPMENT