

01 Briefing Document

General.

It is proposed to develop a community playground at Knockmore Village Co. Mayo. Following extensive consultation, the area of ground selected for the proposed facility is located at Knockmore Village, along L1318.

This proposed playground will provide a Public Municipal facility, and this project includes the design, supply and installation of all play equipment and surfacing including all associated landscaping and civil works.

The Client is Mayo County Council (MCC). The design role will be filled initially by Mayo County Council Ballina MD, prior to the appointment of the successful contractor. Mayo County Council will then stand down from the design role, and the successful contractor will be appointed to both the design and construction roles PSDP & PSCS respectively before works commence on site.

Mayo County Council, Ballina MD have prepared the Specimen Design brief and pricing document.

The successful Contractor, who will be appointed to both the Project Supervisor for the Design Process (PSDP) and Project Supervisor for the Construction Stage (PSCS), will further develop the Specimen Design and submit a detailed design before contracts are signed.

Contract: Short Public Works Contract Document Reference PW-CF6 v1.15 will apply see other contract documents in 05

Design Requirements: The Schematic layout provided considers the concept of Natural Play and addresses access for all. Works proposals submitted must reflect the concept of natural play – see attached supplemental document [13 Natural Play & Learning Places Guidelines](#) specification.

The play space should be inclusive for children of all abilities including wheelchair user. (see Specification Sheet 01M – Excellence in Universal Design). It should allow for imaginative play, constructive play, group play, swinging, climbing and include natural play opportunities. It should be durable using hard woods combined with mild steel and limit opportunities for anti-social activity e. g. no hidden areas / roofs, large surfaces that could be graffiti targets, no light materials. It should look as naturalistic as possible. Synthetic Tiger Mulch safety surfacing is our preferred safety surfacing. Play areas to be landscaped and no edgings or other trip hazards to be present. Provision of design and layout drawings for the proposed new playground including perspectives and revised drawings based on design specific risk assessment.

Insurances Required

Type of Insurance	Indemnity Limit
Employer's Liability	€13. 5 million Euro
Public Liability	€6/5 million euro
Product Liability	Certification Required
Professional Indemnity	€1 million Euro

Proposed Playground at Knockmore, Co. Mayo County Council

TENDER DOCUMENTS

Briefing Documents:

01 Briefing Document

Specification Sheets

- 01A Swing Collection (Cradle Seats)
- 01B Swing Collection (Flat Seats)
- 01C Swing Collection (Basket Seat)
- 01D Springers
- 01E Roundabout/Carousel
- 01F Multi-play Unit – Junior
- 01G Multi-play Unit – Senior
- 01H Adventure Trail
- 01I Single Cableway 30m
- 01J Safety Surfacing (Tiger Mulch)
- 01K Safety Surfacing (Grass Rubber Mats)
- 01L Rules & Regulations Sign
- 01M Excellence in Universal Design
- 01N CCTV Equipment
- 01O Lighting Standard
- 01P Bow Top Fencing and Gate

Drawings, Tender & Schedule, Pricing Document

- 02A D_203-SL(-)01 Site Location Map
- 02B D_203-L(99)01 Site Layout Plan
- 02C D_203-L(99)02 Indicative Playground Layout Equipment
- 02D Construction Detail Sheet 01 – Typical Duct Chamber Detail
- 02E Construction Detail Sheet 02 - Typical Public Light Pole Base Detail
- 02F D_203-1100 Topographical Survey

- 03 Tender & Schedule

- 04 Pricing Document

Other Contract Documents

- 05 Short Form Contract CF6
- 06 Appointment of Project Supervisor [PSCS + PSDP]

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Supplemental Documents

- 07 Invitation to Tender Letter
- 08 Instruction to Tenderers
- 09 Preliminary Health & Safety Plan
- 10 ESB Networks Code of practice for avoiding dangers from over-head electricity lines
- 11 Health & Safety Authority Code of practice for avoiding danger from underground services
- 12 Rates Pay and Conditions of Employment Certificate
- 13 Natural Play & Learning Places Guidelines
- 14 Documents Issued

Award Criteria:

Contractors, please note that a two-stage evaluation of all submissions will take place by an evaluation committee appointed by the client. The preferred bidder will be the tender that submits the Most Economically Advantageous Tender (MEAT) based on the Award Criteria detailed below subject to fulfilling the standard requirements set out in this document and in the General Works Requirements Document.

Stage 1 – Suitability Assessment

Tenderers must demonstrate that they have satisfactorily undertaken at least 3 such similar works before, at least one of which should include a project completed more than 8 years ago. A list of former works of a similar nature (ideally in the surrounding area) undertaken by the installation contractor in the last 10 years must be enclosed with the tender and must state the client's name and organisation, a completion date for the project and include a contact name and telephone number.

Competent contractors only, shall carry out installation of the play equipment, impact absorbing surfacing/synthetic surfacing, and other works. Such contractors must also demonstrate that they have satisfactorily undertaken similar works before. Details of Company Health & Safety management structures must be submitted including (staff C. V's & qualifications). Details on tenderers safety record over the last 3 years i.e. reported accidents etc.

Contractors not meeting Stage 1 requirement will not progress to be Stage 2.

Stage 2 – Project Specific Award Criteria.

The Tender Evaluation criteria against which the tender returns will be assessed is a quality price ratio 40:60 details as follows:

Total Marks = 100

(A) Price Evaluation – 40 marks.

The evaluation of Tender 'prices' returned is an arithmetical exercise whereby each price will be ranked in accordance with the percentage difference over the lowest tender price returned.

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(B) Qualitative Evaluation – 60 marks.

- Quality and specifications of equipment and warranty offered. (20 marks).
- Quality of surfacing to be supplied. (20 marks).
- Ease of maintenance, technical assistance and after sales service offered. (20 marks).

Equipment & Surfacing Standards & Requirements

- a) All play equipment shall be manufactured and installed to meet the requirements and recommendations of I. S. EN 1176 Parts 1 to 7.
- b) All play equipment panels to be HDPE or HPL with metal or timber posts.
- c) A declaration from the equipment manufacturer stating that all equipment has been designed, manufactured, and tested in accordance with I. S. EN 1176 shall be enclosed with the tender together with test certificates for all tested equipment.
- d) The overall area taken up by linked equipment should be indicated on a fully dimensioned drawing.
- e) The minimum use zones for individual items of equipment shall be in accordance with I. S. EN 1176 Part 1 or equivalent standard and shall be indicated on design drawings.
- f) The appropriate area of Impact Absorbing surfacing should be provided under each item of equipment in accordance with I. S. EN 1176 parts 1 – 7 and I. S. EN 1177. Consideration should also be given to extending the surfaced area around equipment with either safer surfacing or other suitable surfacing material to prevent these areas becoming worn, muddy, and unsafe.
- g) Impact absorbing surface shall have a “critical height” equal to or greater than the “free fall height” of the equipment for which it is used.
- h) All synthetic surfacing used whether rubberized, impact absorbing surfacing tiles or ‘wet pour technology’, Safa Grass or equivalent or loose fill must comply with European Safety Standard EN 1177.

Post Installation Report

The finished works will be subject to a third-party independent post installation inspection to confirm adherence to I. S. EN 1176 Parts 1-7 and I. S. EN 1177 by an accredited organisation such as the NPFA or ROSPA or a suitably qualified and accredited independent playground inspector. Any non-compliance is to be corrected by the successful tenderer. Full payment less retention shall be approved on receipt of a satisfactory independent post installation inspection report. Fees for the post installation inspections shall be included in the tender price. (see document xxx pricing).

Playground Warranties & Technical Elements

Warranties, guarantees and certifications in respect of the proposed play units and safety surface must be submitted with the tender. Minimum requirement is that the equipment meets minimum 10-year structural warranty, 5-year paint warranty and 2 years warranty on bearing and moving parts. In regard to the installation of safety surfacing a written commitment must be submitted to provide ‘certification of proof’ that the playground will meet H. I. C. requirement for safety surfacing. In regard to ‘wooden’ play units written evidence must be provided that the timber is sourced using sustainable methods and include a minimum of ten-year structural warrant. Supply and installation of play equipment in

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compliance with EN 1176. Supply and installation of ancillary works including bins, picnic benches and seating as may be required. Supply and install signage as appropriate including signage indicating 'Age' use of equipment.

Project Stages General

Following assessment under award criteria set out above contractors meeting Stage 1 pre-qualification of the award criteria will move on to be assessed under Stage 2. Following assessment under Stage 2 both the preferred and unsuccessful contractor will be notified through a de-briefing process. As part of the contract the successful contractor will be appointed as both PSDP & PSCS before works commence on site.

Stage A – Final Detail Design Stage

The successful tenderer will be required to provide a design risk assessment for the playground and a detailed site-specific Health and Safety Plan. On submission of a final design for approval by the client or representatives the successful contractor will submit all construction, layout, technical, drainage, setting out and other drawings and specifications relevant to the creation of the contract and implementation of the project. All these drawings must be produced in consultation with and agreed with the client or representatives of the client. Submit an agreed programme for the contract. Submit agreed maintenance schedule for defects liability period and submit maintenance manual for the works. Submit a Health and Safety File for the project. Successful contractor formal appointment to both roles of PSDP and PSCS.

Stage B – Construction

The Contractor shall take possession of site, secure, manage and construct in accordance with the terms, conditions and outlined here and as agreed with the client (MCC) PW CF6 Short Works Contract.

The Contractor must issue a Certificate of Proof to the client or representatives of the client that all safety surfacing is compliant with the correct fall height for each play unit and that it meets the required standard.

Prior to handover of the completed playground, the successful Contractor will arrange for a post installation inspection report to be undertaken. This report will be undertaken by an independent R. P. I. accredited (or equivalent) playground inspector.

The Tenderer must ensure that the playground is compliant with the post installation inspection and all items of concern are put right in a reasonable period prior to the Council agreeing to taking the play area in charge.

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Stage C – Substantial Completion and Maintenance

Comply with terms and conditions of contract as agreed and under the PW-CF6 Short Works contract. Produce as built drawings and maintenance manual for the project. Provide induction training for staff on the maintenance requirement of the playground. Substantial completion will not be issued until above approved.

Documents To Be Returned

Suitability Assessment

- QW1 + QW2's
- Supplement 3. 4. 1
- Supplement 3. 4. 2
- Supplement 3. 4. 3
- Supplement 3. 4. 4

Tender Documents

- Tender & Schedule
- Pricing Document
- Appointment of PSDP & PSCS
- Work Proposals

Site Visit

It is important that each contractor visits the site prior to submitting a tender in order to familiarise themselves with site conditions and restrictions. To arrange a site visit please contact Emmet O'Donnell, Executive Architect, Ballina MD, Mayo County Council eodonnell@mayococo.ie or +353949064276.

Submission of Proposals

The closing date for return of tenders is 5pm on 1st September 2026

Electronic Tender through eTenders only – Electronic receipt acknowledging delivery should be retained by the tenderer – Tenders lodged by hard copy or any other means will be null and void and will not be accepted. Tenderers should obtain a signed receipt acknowledging delivery.

Note that there is a minimum of 2 number tender openings.

1. Suitability assessment and 2. Tender & Schedule with provision for other documents.

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Specification Sheets

01A	Swing Collection (Cradle Seats)
01B	Swing Collection (Flat Seats)
01C	Swing Collection (Basket Seat)
01D	Springers
01E	Roundabout/Carousel
01F	Multi-play Unit – Junior
01G	Multi-play Unit – Senior
01H	Adventure Trail
01I	Single Cableway 30m
01J	Safety Surfacing (Tiger Mulch)
01K	Safety Surfacing (Grass Rubber Mats)
01L	Rules & Regulations Sign
01M	Excellence in Universal Design
01N	CCTV Equipment
01O	Lighting Standard
01P	Bow Top Fencing and Gate

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Specification Sheet 01A

Typical Playground Equipment: Swing Collection



Manufacturer:	Robinia Group (or similar approved/ equivalent swings)
Seats:	Toddler/ Cradle Seats
Critical Fall Height:	1m
Safety Zone:	21 sq m
Durability:	Class I
Materials:	Robinia hardwood with stainless steel 6mm chains Steel reinforced rubber seats
Age Group:	1 years plus
Manufacturer's warranty min. requirement:	10 years on Robinia hardwood 5 years on workmanship and all materials
Safety Surfacing Depth:	40-50mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01B

Typical Playground Equipment: Swing Collection



Manufacturer:	Robinia Group (or similar approved/ equivalent swings)
Seats:	Flat Seats
Critical Fall Height:	1.2m
Safety Zone:	21 sq m
Durability:	Class I
Materials:	Robinia hardwood with stainless steel 6mm chains Steel reinforced rubber seats
Age Group:	3 years plus
Manufacturer's warranty min. requirement:	10 years on Robinia hardwood 5 years on workmanship and all materials
Safety Surfacing Depth:	40-50mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01C

Typical Playground Equipment: Swing Collection



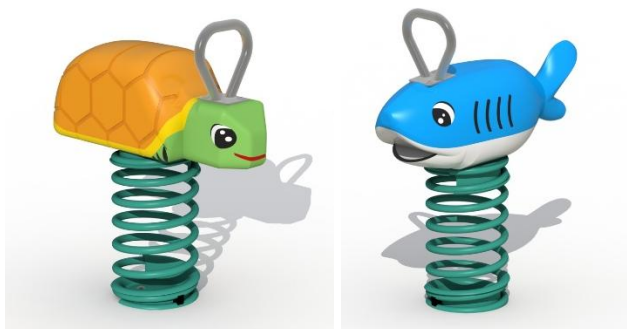
Manufacturer:	Robinia Group (or similar approved/ equivalent swings)
Seats:	Basket Seat, 1m diameter rope basket
Critical Fall Height:	1.2m
Safety Zone:	21 sq m
Durability:	Class I
Materials:	Robinia hardwood with stainless steel 6mm chains Steel reinforced rubber seats
Age Group:	3 years plus
Manufacturer's warranty min. requirement:	10 years on Robinia hardwood 5 years on workmanship and all materials
Safety Surfacing Depth:	40-50mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01D

Typical Playground Equipment: Springer



Manufacturer:	Europlay (or similar approved/ equivalent multi play unit)
Critical Fall Height:	2.2m
Safety Zone:	124 sq m
Materials:	Robinia, Larch, Stainless Steel, Polypropylene 16mm dia. with steel cable reinforcement
Age Group:	4 years plus
Manufacturer's warranty min. requirement:	30 years on stainless steel (except moving & mechanical parts), on galvanised steel components and on HDPE panels 15 years on Robinia 10 years on corrosion and structural failures of powder coated steel components, on dry rot 5 years on ropes and net components 2 years on structural failures of components due to manufacturing errors
Safety Surfacing Depth:	80mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01E

Typical Playground Equipment: Accessible Roundabout 1.9m Dia.



Manufacturer:	GL Jones (or similar approved/ equivalent roundabout may be considered)
Critical Fall Height:	0.9m
Safety Zone:	26 sq m
Materials:	Galvanised and powder coated where possible Decks in aluminium
Age Group:	5 years plus
Manufacturer's warranty min. requirement:	25 years – structural, functional strength 5 years – Non-structural failure due to faulty workmanship or materials. Paint significant corrosion due to faulty materials or finishing. 2 years – Moving parts, bearings etc, excluding swing chains.
Safety Surfacing Depth:	40-50mm

All ability roundabouts must include:

- Provision to reduce the risk of collision/ injuries if the wheelchair inadvertently moved during use.
- Provision in place to prevent wheelchair movement or exiting the roundabout when in motion.
- Provision to restrict speed.
- Flush access for wheelchair user.
- Min. one seat with backrest.

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01F

Typical Playground Equipment: Junior Play Unit



Manufacturer:	Europlay (or similar approved/ equivalent multi play unit)
Critical Fall Height:	1m
Safety Zone:	34 sq m
Materials:	Robinia, Larch, Stainless Steel, Polypropylene 16mm dia. with steel cable reinforcement
Age Group:	2-6 years
Manufacturer's warranty min. requirement:	30 years on stainless steel (except moving & mechanical parts), on galvanised steel components and on HDPE panels 15 years on Robinia 10 years on corrosion and structural failures of powder coated steel components, on dry rot 5 years on ropes and net components 2 years on structural failures of components due to manufacturing errors
Safety Surfacing Depth:	40-50mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01G

Typical Playground Equipment: Senior Multi Play Unit



Manufacturer:	Europlay (or similar approved/ equivalent multi play unit)
Critical Fall Height:	2.2m
Safety Zone:	124 sq m
Materials:	Robinia, Larch, Stainless Steel, Polypropylene 16mm dia. with steel cable reinforcement
Age Group:	4 years plus
Manufacturer's warranty min. requirement:	30 years on stainless steel (except moving & mechanical parts), on galvanised steel components and on HDPE panels 15 years on Robinia 10 years on corrosion and structural failures of powder coated steel components, on dry rot 5 years on ropes and net components 2 years on structural failures of components due to manufacturing errors
Safety Surfacing Depth:	80mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01H

Typical Playground Equipment: Adventure Trail – Balance Beam, Stilts, Stepping Posts



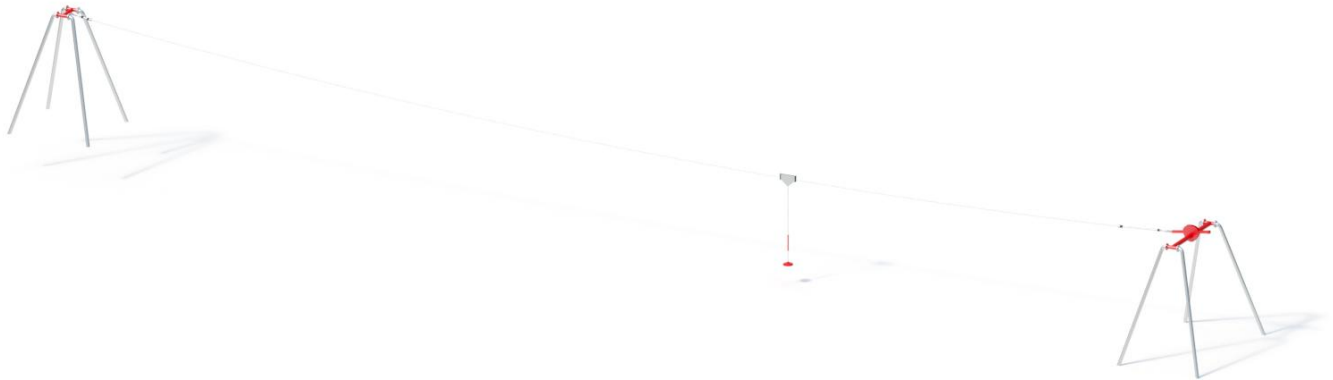
Manufacturer:	Robinia Group (or similar approved/ equivalent adventure trail)
Critical Fall Height:	0.4m
Safety Zone:	60 sq m
Durability:	Class I
Materials:	Robinia hardwood
Age Group:	4 years plus
Manufacturer's warranty min. requirement:	10 years on Robinia hardwood 5 years on workmanship and all materials
Safety Surfacing Depth:	40-50mm

Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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Specification Sheet 01I

Typical Playground Equipment: 30m Cableway



Manufacturer:	Kaiser & Kuhne (or similar approved/ equivalent cableways)
Seats:	1 Pendulum Seat
Critical Fall Height:	1m
Safety Zone:	approx.131 sq m
Materials:	Hot dipped galvanized steel, powder-coated steel, stainless steel
Age Group:	5 years plus
Manufacturer's warranty min. requirement:	10 years on breakage and rotting of the Robinia wood supports with pipe base. All parts made of stainless steel (e.g. materials quality 1.4301). All parts made of galvanised steel. 5 years on swing axles, carousel bearings, all other parts, other than wearing parts.
Safety Surfacing Depth:	40-50mm

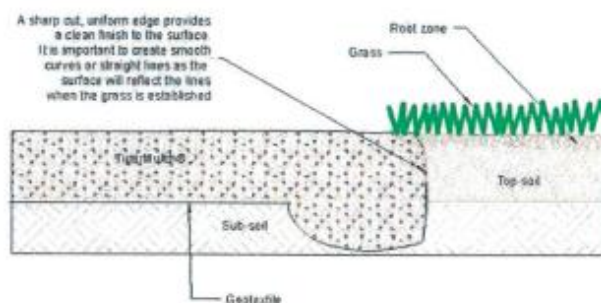
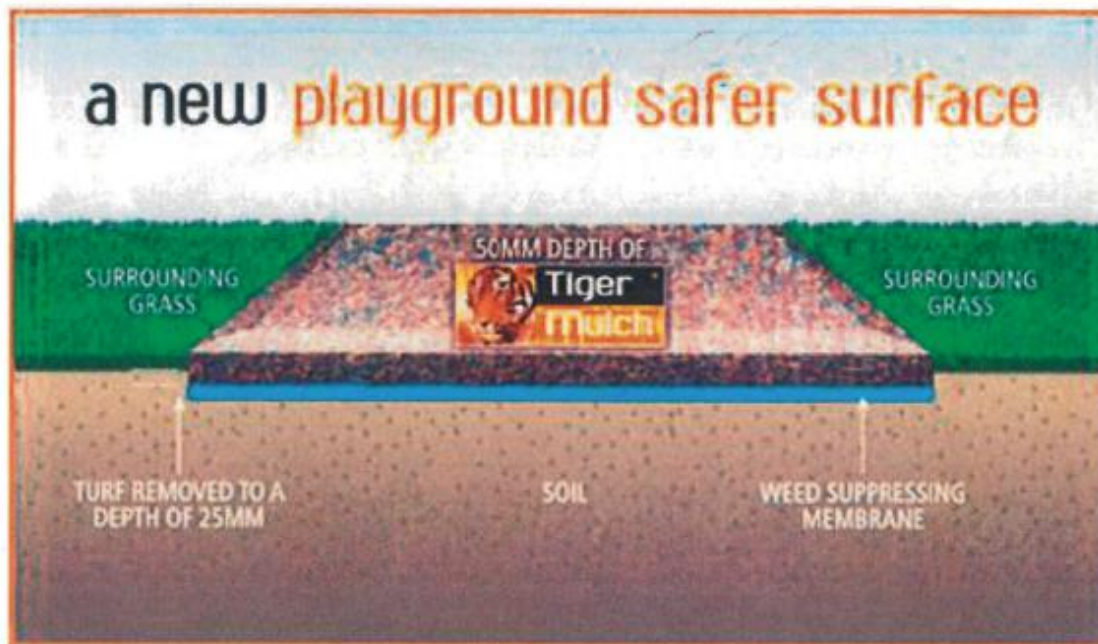
Equipment shall be installed in accordance with the manufacturer's instructions and all relevant standards.

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SPECIFICATION SHEET 01J

SAFETY SURFACING SPECIFICATION

TIGER MULCH OR SIMILAR APPROVED / EQUIVALENT



TigerMulch Safety Surfacing [or similar approved / equivalent safety surfacing]

Shall be installed in accordance with manufactures instructions and comply to EN 1176 + EN 1177 and all relevant standards

Critical fall heights

Safety surfacing shall be installed in accordance with manufactures instructions and comply to EN 1176 + EN 1177 and all other relevant standards

Surfacing colour shall be selected by client prior to ordering

SAFETY SURFACING SPECIFICATION

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SPECIFICATION SHEET 01K

SAFETY SURFACING SPECIFICATION

GRASS MAT RUBBER SURFACING

Clerihan Playground Grass Mats or similar approved / equivalent grass mat rubber surfacing system



Clerihan Playground Grass Mats [or similar approved / equivalent safety surfacing]

Shall be installed in accordance with manufactures instructions and comply to EN 1176 + EN 1177 and all relevant standards

Critical fall heights

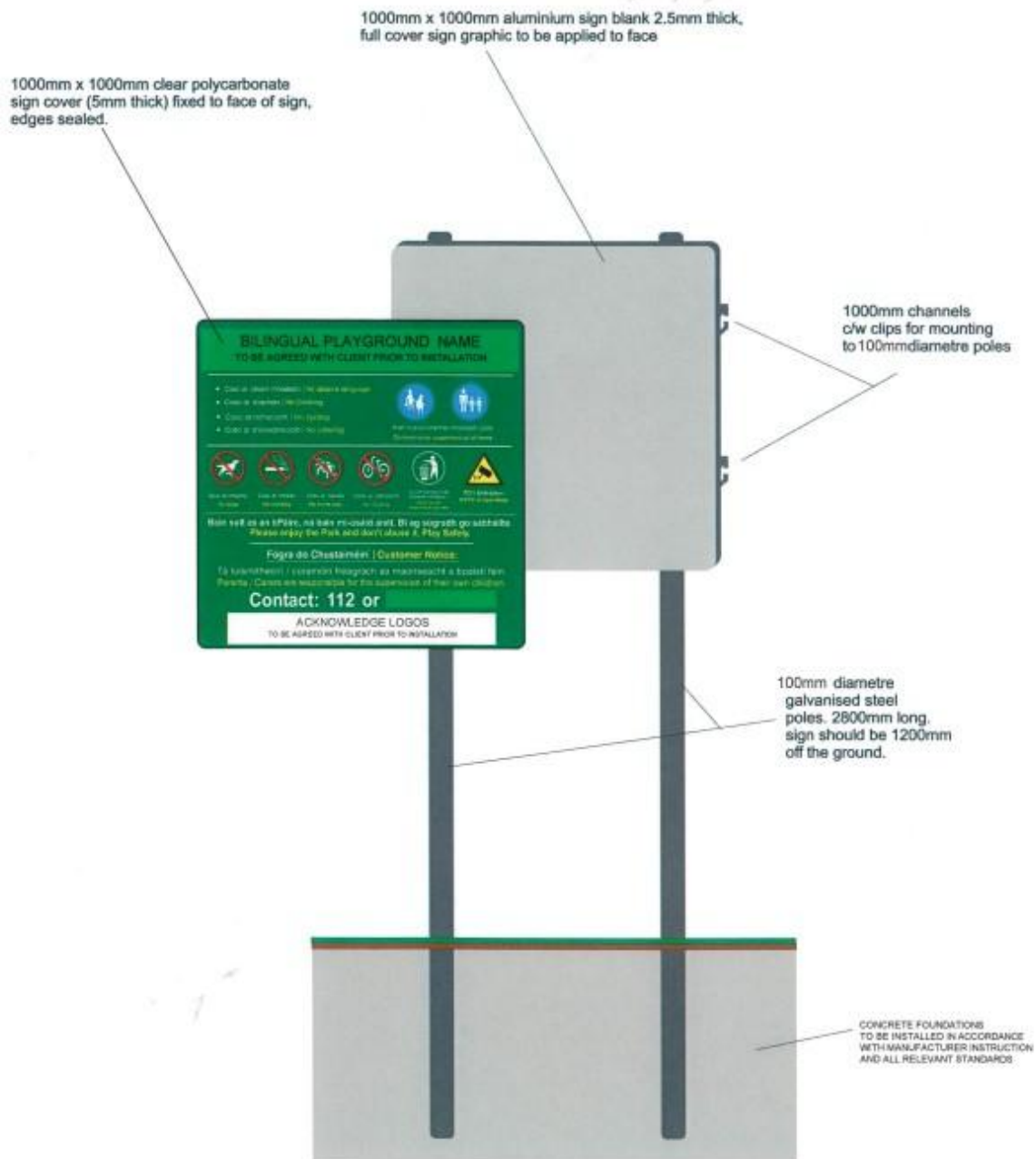
Safety surfacing shall be installed in accordance with manufactures instructions and comply to EN 1176 + EN 1177 and all other relevant standards

SAFETY SURFACING SPECIFICATION

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SPECIFICATION SHEET 01L

PLAYGROUND RULES AND REGULATIONS SIGNS SPECIFICATION



RULES AND REGULATIONS SIGN

Proposed Playground at Knockmore, Co. Mayo County Council

01M Excellence in Universal Design

Playground Designed from a Universal Design Approach

Universal design places human diversity at the heart of the design process so that buildings and environments can be designed to meet the needs of all users. It therefore covers all persons regardless of their age or size and those who have any particular physical, sensory, mental health or intellectual ability or disability. It is about achieving good design so that people can access, use and understand the environment to the greatest extent and in the most independent and natural manner possible, without the need for adaptations or specialised solutions.

Why universal design?

People are diverse – some are left-handed and some right-handed – and people vary in their age, size, and functional capacities. Illness or disability (whether temporary or permanent) can also affect characteristics such as people's mobility, dexterity, reach, balance, strength, stamina, sight, hearing, speech, touch, knowledge, understanding, memory, or sense of direction. People of diverse abilities should be able to use buildings and places comfortably and safely, as far as possible without special assistance. People should be able to find their way easily, understand how to use building facilities such as intercoms or lifts, know what is a pedestrian facility, and know where they may encounter traffic.

Given the wide diversity of the population, a universal design approach that caters for the broadest range of users from the outset can result in buildings and places that can be used and enjoyed by everyone. That approach eliminates or reduces the need for expensive changes or retro fits to meet the needs of particular groups at a later stage.

It is good practice to ascertain the needs of the range of expected users as early as possible and to check the practicality and usability of emerging designs with a diverse user panel.

Designing for one group can result in solutions that address the needs of many others. For example:

- Level entry (Step-free) entrances facilitate not just wheelchair users but also people with buggies; people with suitcases or shopping trolleys; people using walking or mobility aids; and people with visual difficulties
- Clear, well-placed signage that uses recognised symbols or pictograms helps people with reading or cognitive difficulties, and those whose first language is neither English nor Irish

Sometimes one solution will not suit all, and a range of options will need to be provided, for example:

- Providing both steps and a ramp where there is a change in level.

Those who commission, design, construct or manage any part of the built and made environment also have a duty of care to adhere to relevant legislation and regulations including equality legislation, building regulations and health and safety regulation.

Please refer to the Centre for Excellence in Universal Design at the National Disability Authority publication building for everyone – a Universal Design Approach (BfE), notable **Booklet 7 Building Types**, especially **Section 7. 14. 16 Playgrounds, play structures and equipment**.

www.universaldesign.ie/buildingforeveryone

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Text taken from **BfE 7 Section 7. 14. 16 Playgrounds, play structures and equipment;**

Playgrounds and play equipment should be universally designed for all children, their parents, carers, teachers, and supervisors.

Everybody should have the opportunity to play. It is an important way of gaining social, physical, and emotional skills. Through play, people meet challenges in a fun way within a safe environment. Through imagination, many ordinary places become play spaces, such as a low wall along which to walk, a rail on which to swing, or a tree behind which to hide. The environment should stimulate children to play. A

Acknowledging that play is about challenge, a good play space will present a range of activities for a wide range of ability. Making play spaces accessible does not reduce the challenge for children and offers opportunities for greater interaction and for shared experience. Through inclusive play, children learn about themselves and gain an appreciation of their similarities and differences. They can build friendships, learn about cooperation and compromise, and can take pleasure in diversity without prejudice.

The physical challenges presented by structures for climbing, swinging, and sliding are the most common form of play in playgrounds. These elements can easily be designed to facilitate universal access, so that everybody can share the experience.

Many designs can be bought 'off the peg' from play equipment companies, whose products have been tested for appropriate health and safety standards. Rubberised play surfaces are easy to clean and are better able to cushion falls than wood chippings, gravel, or grass, which get worn away and can act as animal litter. Where possible, playgrounds should be fenced in to prevent animals (except assistance dogs) from entering.

A self-closing gate is essential; it should be at least 800mm wide to facilitate easy access for people using wheelchairs and motorised scooters, and parents or carers pushing prams and pushchairs, including double buggies. Gate latches should be easy for children to use.

Consideration should be given to the way in which all children use play equipment. A child who uses a wheelchair, for example, may be able to transverse onto a slide or climbing structure, but needs a way of returning to the wheelchair after completing the course. All children learn to develop balancing skills through play, and some may benefit from the provision of appropriate handrails and supports on play equipment.

The design of playgrounds and play equipment should maximise sensory stimulation. Strong contrasts in colour, texture and sound are enjoyed by many children, but are particularly beneficial to children with sensory difficulties. This can be explored through the use of different materials, such as the feel, smell or sound of wood in contrast to metal or plastic, the colour of materials and by selecting objects that make sounds or create echoes.

To ensure that parents or grandparents, regardless of ability, can supervise young children, appropriate seating should be provided in playgrounds. See Booklet 1: External environment and approach, Section 1. 4. 7 for further guidance on seating also Booklet 9 Planning especially Section 9. 4. 21 Public realm and amenity policy statements and the remaining elements of Chapter 9

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Principles of Universal Design

Principle	Built Environment Example
1. Equitable Use: How well does the building, place or project appear to be fully usable, and appealing to a wide range of diverse users with differing ages and personal capabilities?	Is there the same means of use for all users whenever possible, avoiding segregation – for example play equipment that everyone regardless of age, size, ability, or disability can use with ease?
2. Flexibility in Use: How well does the design readily adapt or offer multiple methods of use to enable a wide range of individual preferences and abilities?	Does the Playground provide choice in methods of use, for example play equipment and the surrounding spaces designed to accommodate children of different heights, those with mobility difficulties, those who lip-read & those with visual difficulties?
3. Simple and Intuitive use: How well does the design make it simple for diverse users to understand the important features of the building, place, or project?	For example, is it easy to use the Playground & play equipment for the first time?
4. Perceptible Information: (Sensory abilities, e. g. vision, hearing, touch). How well does the design offer multiple use options for people, especially those with sensory limitations at any age and including the use of specialty equipment or strategies?	For example, does the use of colour and materials provide visual contrast and/or tactile information to allow all children & adults regardless of age, size, ability, or disability to navigate the playground with ease?
5. Tolerance for Error: (Features that promote safe use and reduce risk). How well does the design prompt or assist the user to minimize hazards and the adverse consequences of accidental or unintentional interactions?	For example, is the play equipment designed with easy access, well-designed handrails and good use of materials, finishes, and colours?
6. Low Physical Effort: How well does the design enable all users, including those with limited strength and stamina, to have a comfortable and effective user experience?	For example, is the various play equipment provided easy to use for all children & adults regardless of age, size, ability, or disability?
7. Size and Space for Approach and Use: (Efficient access and use for all user sizes) How well does the design enable users of diverse size, (including people who may use specialty equipment) to use the building, place, or project?	For example, are the spaces in the playground designed with sufficient dimensions to allow all children & adults regardless of age, size ability, or disability to circulate and use the Playground with ease?

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Industry Standards

BS EN 1176

The purpose of this standard is to ensure a proper level of safety while at the same time promoting activities and features known to benefit children because they provide valuable experience that will enable them to cope with situations outside the playground (BSI, 2008a).

RoSPA

The play areas will require certification by RoSPA. They are now offering services in relation to natural play areas with regard to:

- Pre-installation inspection
- Post installation inspection

In regard to open spaces and public parks RoSPA believes that 'these areas should be as safe as necessary – not as safe as possible'. (refer to rospa.com)#

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01N CCTV Equipment

CCTV Specification

Supply & Install the following:

- 4 No: 4 Megapixel Cameras with 60M Infra-Red
- 4 No: Pole Brackets.
- 1 No: Steel Cabinet to house CCTV Equipment. 1000mm High, 500mm Wide & 300mm Deep with Secure Lockable Key.
- 1 No: Thermostat and Heater for Steel Cabinet.
- 1 No: 4CH Network Video Recorder with 8TB Storage.
- 1 No: 17" Monitor.
- 1 No: Wired links through ducts from Steel Cabinet to each camera.
- 1 No: Broadband Router

Note: Permanent 230V Power to be provided by Electrical Contractor at each Camera Pole and the CCTV Security Cabinet.

Note: Civils for base of Steel Cabinet to be provided by Civil Contractor.

Note: CCTV/Lighting Poles and Civils to be provided by Civil Contractor.



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01O Lighting Standard

Lighting Specification

Supply and Install 3 No. Axia 2.1 Public lights 6m high as outlined in specification below



KEY CHARACTERISTICS

Installation height	Axia 2.1 6 m	
Typical luminaire output flux (range)*	Axia 2.1 1,000 to 8,000lm	
Power consumption (W)	10W to 65W	
Lifetime residual flux @tq 25°C	@100,000 hr 90%	
Colour temperature	Neutral white	
Optical compartment tightness level	IP66 (**)	
Control gear tightness level	IP66 (**)	
Control options	DALI, 0-10V, CMS, Scheduled Dimming, Dusk-Dawn Dimming, PIR Presence detection (for both sizes)	
Impact resistance	IK08 (***) minimum	
Nominal voltage	220-240V 50/60Hz	
Electrical class	EU Class I	
Weight	6.7kg	10.4kg
Materials		
Body	High-pressure die-cast aluminium	
Protector	Polycarbonate	
Colour	RAL7040 Any other RAL colour upon request	

(*) The typical flux is an indicative luminaire flux @ t_q 25°C. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution). The flux depends on the type of LEDs used and is likely to change in accordance with the continuous and rapid developments in LED technology. To follow the progress of the luminous efficiency of the LEDs used, please visit our website.

(**) according to IEC - EN 60598.

(***) according to IEC - EN 61262. Some lens options are IK10.

Proposed Playground at Knockmore, Co. Mayo County Council

01P Bow Top Fencing and Gate

Bow Top Self Closing Gate Playground Specification



Product Description:

The strongly welded steel constructed gates are ideal for playground perimeters. They are designed and built with a self-closing mechanism which requires minimal maintenance. This integral design eliminates all finger traps.

An optional Polyester powder coating is also available and the gate comes in a range of colours.

Post spacing is designed to avoid head entrapment.



Dimensions:

Heights: 1.0m and 1.2m

Gate Width: 1.0m and 1.2m for wheelchair access



Creative Play Solutions by Wooden Delights Ltd.