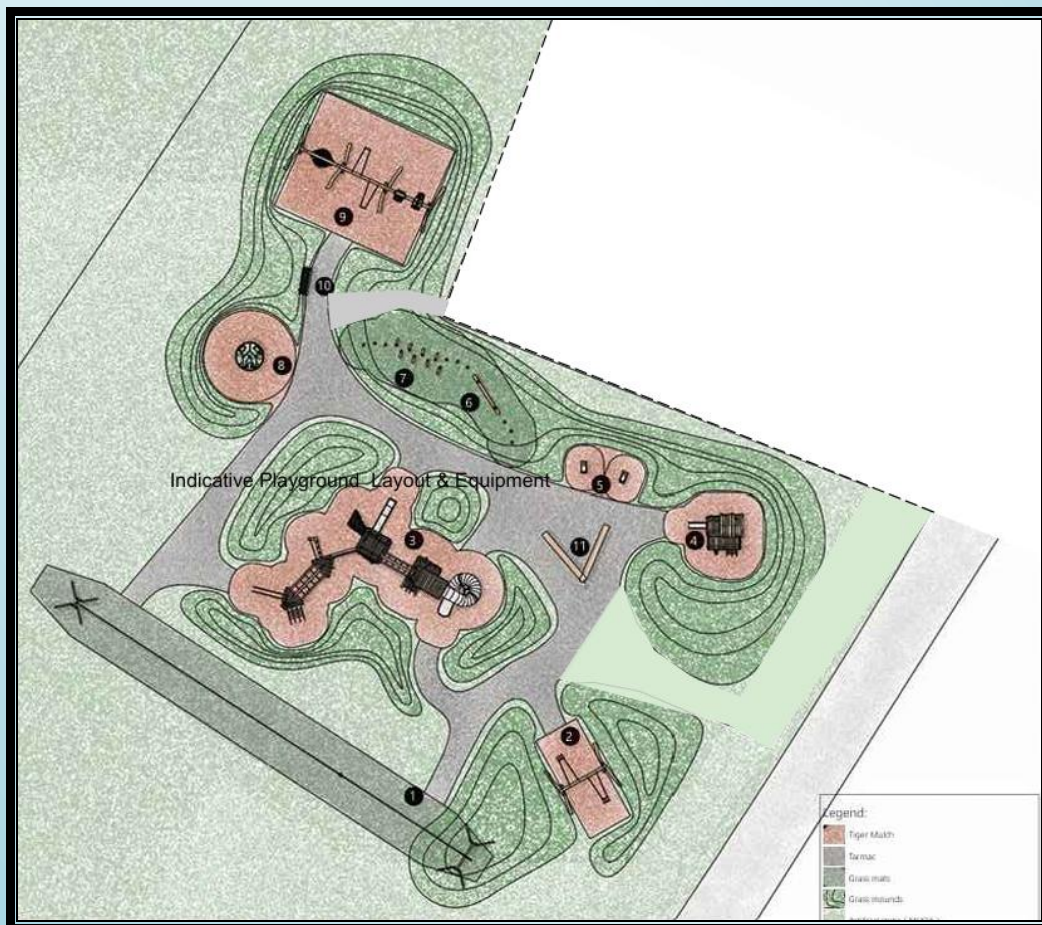




DESIGN RISK ASSESSMENT



KNOCKMORE COMMUNITY PLAYGROUND MAYO COUNTY COUNCIL 17th July 2026

This inspection was carried out by Mel Campbell RPII

A handwritten signature in blue ink, which appears to be 'Mel Campbell', written over a light blue background.

EQUIPMENT LAYOUT RISK ASSESSMENT

REPORT INTRODUCTION

This playground design review is based on the design provided. The risk is assessed assuming that the equipment will be used as intended by the age groups for which the equipment is intended.

Recommendations are made to assist in designing out potential risks and help ensure the general safety of the facility is as safe as possible given the available best practice guidance for outdoor play areas and surfacing EN1176 and EN1177. Other items such as ancillary items, natural play items, locational factors, inclusivity, landscaping, desire lines, circulation space and casual supervision etc will be considered and risk assessed accordingly.

It is assumed that all playground equipment is certified and compliant to EN1176 standards.

The commissioning agent has submitted materials for review to determine the safety of the proposed playground.

It is important to note that this report has been prepared to review the submitted materials and, where applicable, searches against manufacturers' specifications. The accuracy of these materials is beyond the responsibility of the report author, and we cannot guarantee its accuracy.

Every reasonable care had been taken in the production of this report, but it must be understood that the design and materials may not be truly representative of the finished installation. This report is not an absolute statement of safety or suitability. It must be used for guidance only.

A post installation inspection of the finished installation should be conducted, as per the recommendations of BSEN1176-7:2020, clause 5.3. Furthermore, EN1176-7:2020, clause 6.1 recommends a three-tier inspection system comprising:

- Routine visual inspection
- Operation inspection
- Annual main inspection

It is important that these inspections are undertaken, at a frequency not less than that given by the manufacturer, to ensure equipment and playgrounds are inspected and maintained in accordance with the manufacturers' instructions and remain suitably safe for users.

Pre-surface inspections (inspections completed on partially completed installations) are useful in highlighting non compliances and other hazards not identified at the design stage.

		Severity (S)				
Probability (P)		1 – Insignificant	2 – Minor	3 – Significant	4 – Major	5 – Severe
	5 – Almost Certain	Medium 5	High 10	Very High 15	Extreme 20	Extreme 25
	4 – Likely	Medium 4	Medium 8	High 12	Very High 16	Extreme 20
	3 – Moderate	Low 3	Medium 6	Medium 9	High 12	Very High 15
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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

Reference No: 20749

Date: 17th July 2026

Review Date: July 2027

Assessor Name: Mel Campbell RPII

Page No. 1

Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 Age Appropriate Design	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

		Severity (S)				
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Page No. 2

Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 Circulation Space and Falling Space Requirements	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 Tiger Mulch  Tarmac  Grass mats  Grass mounds  Artificial grass (MUGA) Rubber Mulch Tarmac Grass Mats Grass Mounds Astroturf Grass (MUGA) Surfacing <td>Head injuries.</td> <td>1</td> <td>2</td> <td>2</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ensure all wet pour and grass mat depths are suitable for the Free Height of Fall of equipment.</td> <td>1</td> <td>2</td> <td>2</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.</td>	Head injuries.	1	2	2	✓						Ensure all wet pour and grass mat depths are suitable for the Free Height of Fall of equipment.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

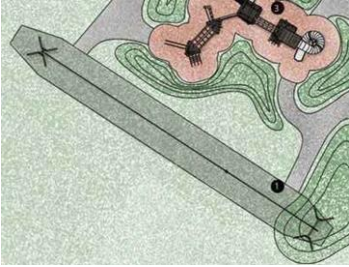
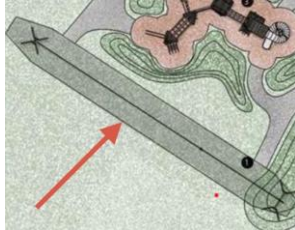
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Assessor Name: Mel Campbell RPII

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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 1) Cableway	Head, arm, leg and collision injuries, bumps and bruises.	2	3	6			✓				 Ensure there are no desire lines through the flow of the cableway. An additional boundary fence or hedge outside of the cableway is recommended to reduce the risk of collision injuries	1	2	2	✓							Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.	

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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

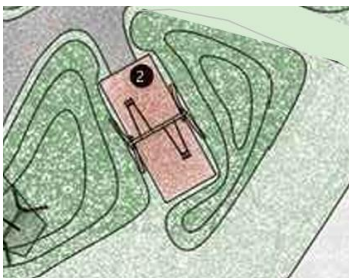
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Assessor Name: Mel Campbell RPII

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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 2) Double Cradle Swings	Head, arm, leg and collision injuries, bumps and bruises.	2	2	4		✓					Where accessible steep slopes are evident at the sides of and adjacent to swings and slides it is recommended that either the slopes are reduced in angle to avoid fast or uncontrolled decent or a swing barrier is installed to reduce the risk of collision injuries.	1	2	2	✓							Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.	

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Probability (P)		1 – Insignificant	2 – Minor	3 – Significant	4 – Major	5 – Severe
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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

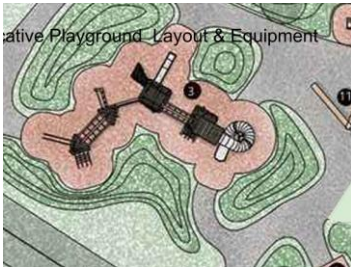
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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 3) Senior Multi Play Unit	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

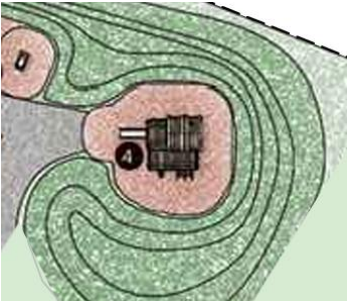
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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 4) Junior Multi Play Unit	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

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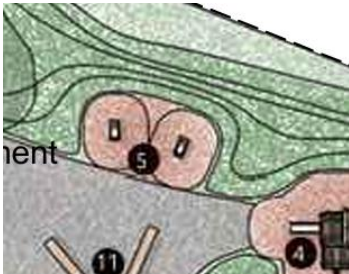
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		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 5) 2 Spring Rockers	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

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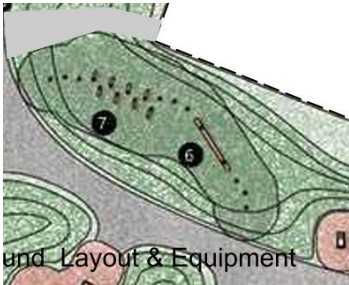
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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 6) Balance Beam	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

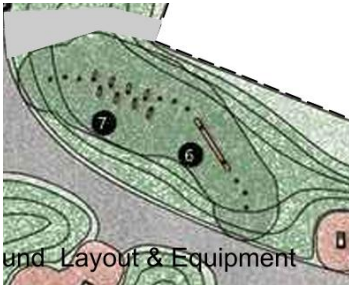
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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 7) Stilts	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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EQUIPMENT LAYOUT RISK ASSESSMENT

Site: Knockmore Community Playground, Mayo

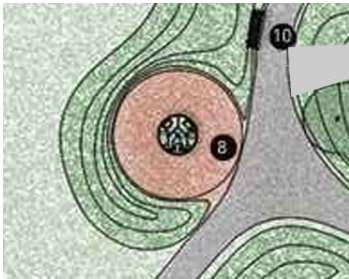
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		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 8) Ability Roundabout	Head, arm, leg and collision injuries, bumps and bruises.	1	2	2	✓						Satisfactory.	1	2	2	✓						Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.		

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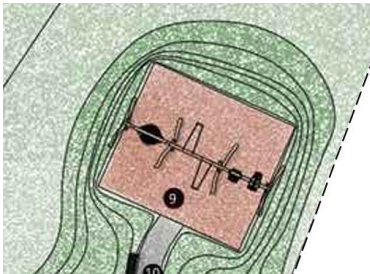
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		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 9) Mixed Swings with 2 Flat Seats 1 Basket Seat 1 Parent and Toddler Seat 1 Inclusive Seat	Head, arm, leg and collision injuries, bumps and bruises.	2	2	4		✓					Where accessible steep slopes are evident at the sides of and adjacent to swings and slides it is recommended that either the slopes are reduced in angle to avoid fast or uncontrolled decent or a swing barrier is installed to reduce the risk of collision injuries.	1	2	2	✓							Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.	

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EQUIPMENT LAYOUT RISK ASSESSMENT

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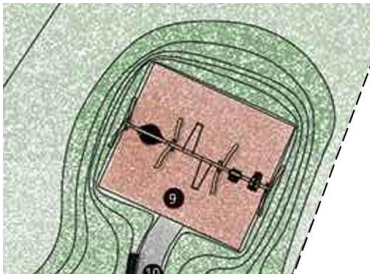
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Hazard	Potential Harm	Risk Rating										Control	Residual Risk										Maintaining Control
		P *	S =	Risk Colour	V L	L	M	H	V H	E	P *		S =	Risk Colour	V L	L	M	H	V H	E			
 General Comment – Mounds	Head, arm, leg and collision injuries, bumps and bruises.	2	2	4		✓					Ensure all mounds are of an appropriate angle to reduce the risk of falls. Ensure all play equipment or / and ancillary items and paths are a suitable distance from the bottom of the mound to reduce the risk of collision injuries. Where access is installed to access an embankment slide ensure the access is greater than 1m from the slide side.	1	2	2	✓							Post installation inspection required upon completion. Continuous ongoing casual supervision and ongoing inspections and maintenance will assist in reduction of accidents.	
Continued overleaf																							

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EQUIPMENT LAYOUT RISK ASSESSMENT

									Ensure that any accessible mounds or slopes do not encourage or increase the risk of uncontrolled decent into pathways, thoroughfares or fixed equipment therefore increasing the risk of collisions.									
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