

Remedial Works

Background on a piece-by-piece basis.

Embankment Slide



The slide is heavily eroded on both sides. To conform with standards, slides must have 1.00m of safety surface extending on each side and 2.00m at the base of the slide. There is no visible safety surface on either side (may have sunk or just not there) and the grass mat at the base of the slide is only just visible.

Issues with the slide can be resolved with the addition of some top soil to remedy the erosion and Cobra Mulch.

Cobra Mulch

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay Cobra Mulch.	12.00m ²		

Swings



The surface under the swings has eroded below the grass mat and as such the mats are now starting to separate. We therefore request the installation of Cobra Mulch with a black EPDM wetpour wear pad.

Cobra Mulch with Wear Pad

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Wear pad area Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay Cobra Mulch with black EPDM wear Pad	12.00m ²		

Basket Swing



As with the Swings, the surface under the basket swing has eroded below the grass mat and as such the mats are now starting to separate. Cobra Mulch and wear pad are requested.

Cobra Mulch with Wear Pad

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay Cobra Mulch with black EPDM wear Pad	50.24m ²		

Overhead Monkey Bars / Stepping Pods



The safety surface appears to be worn and sunken into the ground. We request an over-lay safety surface of grass mat or Cobra Mulch

Cobra Mulch

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay Cobra Mulch.	28.61m ²		

Zip Wire



The launch ramp is showing obvious signs of erosion and the grass mat has split and lifted. We don't believe that a new layer of grass mat would provide a long-term solution and therefore request Mulch for the launch ramp and 'runway' between both ends, as it is showing signs of slight erosion.

Cobra Mulch Launch Ramp and Runway

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Launch Ramp Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay Cobra Mulch.	12.00m ²		
Runway Supply & install new Cobra Mulch	60.00m ²		

Balance Poles



The Balance Poles are rated at below 600mm high and as such don't require any safety surface at all, but the Council requests a Cobra Mulch Wear Pad be installed.

Cobra Mulch Wear Pad

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Prepare perimeter and level out surface with top-soil and grass seed. Supply & install Cobra Mulch Wear Pad	12.00m ²		

Climbing Stack



The safety surface appears to be worn and sunken into the ground. We therefore suggest an over-lay safety surface of either grass mat or Cobra Mulch

Cobra Mulch

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Excavate area to take safety surface and dispose of existing grass mat if necessary. Lay stone sub-base and geotextile weed suppressing membrane. Prepare perimeter and lay a Cobra Mulch Wear Pad.	65.00m ²		

Welfare, Security etc.

Description of Work	Quantity	Price GBP (excl. VAT)	Comments
Please include separate costings for Welfare, Security and the disposal of materials/spoil for all works.			

Full Play Area Works

Methodology

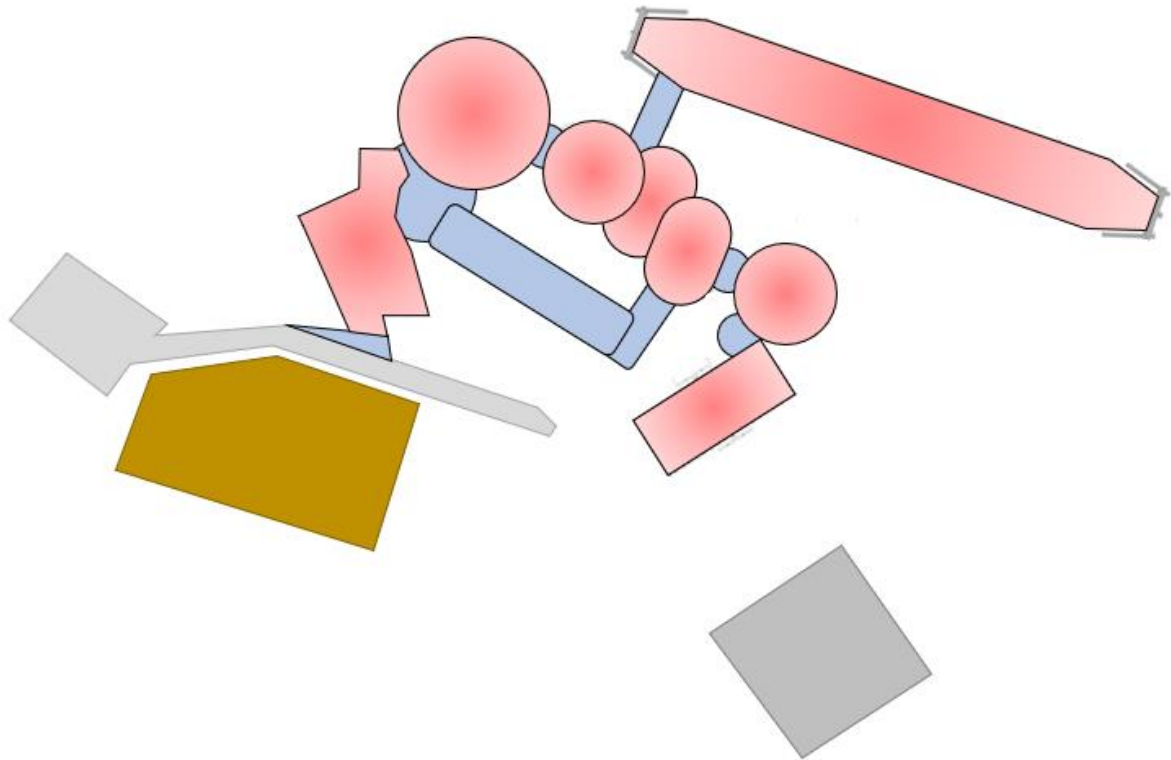
In researching the minimum safety surface areas for equipment, it became apparent that those on file no longer met some of the measurements currently expected. Compliance with BS EN:1176 has to remain paramount when supplying any safety surface.

Step 1 – Reference Manufacturers' safety surface requirements and fall heights and scale them to your play units (full details of each unit is provided in Appendix 1).

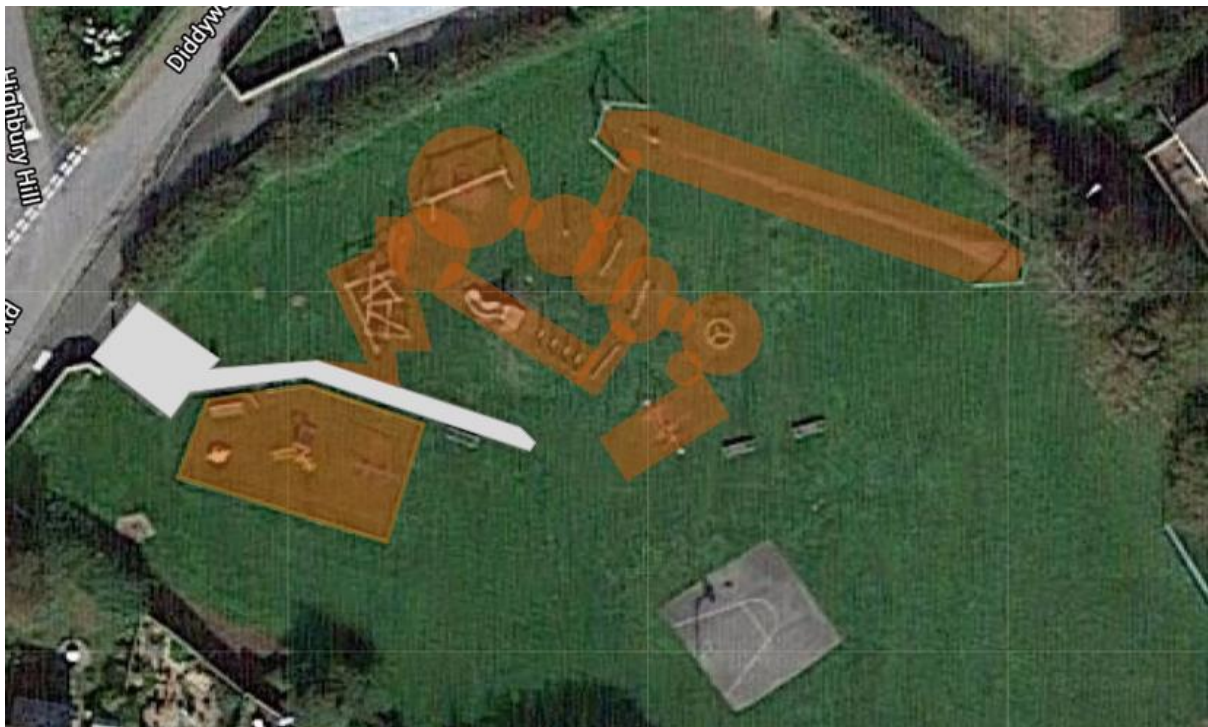


Equipment	Manufacturers EN:1176 figures	
	Min. Surface Area (m ²)	CFH (m)
Swings	21.00	1.50
Maypole O/H Rotator	45.34	1.80
Inclined Balance Beam	Wear Pad Only	6.00
Overhead Monkey Bars	25.00	2.15
Up & Over Cargo Climber	24.00	2.15
Post Climb Challenge	22.05	3.00
Zipwire (30m)	120.00	2.00
Single Point Basket Swing	50.24	1.50
Embankment Slide	9.00	0.60
Stepping Post Weave	Wear Pad Only	0.60
Climbing Stack	65.00	3.00
Total Surface Area	381.63	

Step 2 – Propose extending safety surface under balance beam and stilts and create interlinking pathways, no less than 1.20m wide, to join all play units ensuring no dangerous access is created, i.e. in the path of a swing (areas shown in blue below):



Step 3 – Overlay Design



Detail of Proposed Works & Pricing

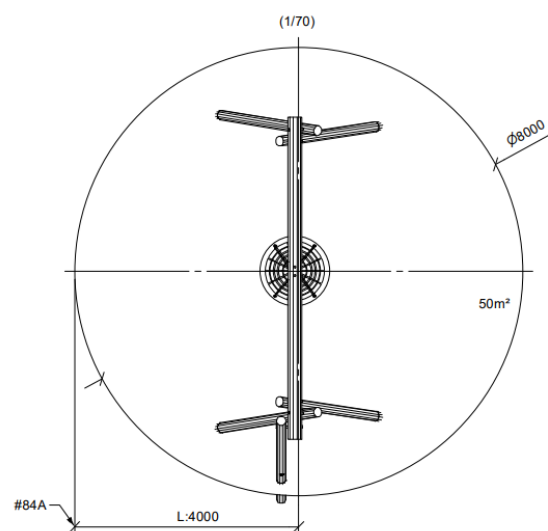
Play Unit	Surface Area (m ²)	CFH (m)	Price (ex. VAT)	Price (ex. VAT)
			Cobra Mulch	Wear Pad
Swings	21.00	1.50		
Maypole O/H Rotator	45.34	1.80		
Inclined Balance Beam	6.00	0.60		
Overhead Monkey Bars	28.61	2.15		
Up & Over Cargo Climber	27.80	2.15		
Post Climb Challenge	22.05	3.00		
30m Zipwire (Mulch Launch/Mat Runway)	72.00	2.00		
Single point Basket Swing	50.24	1.50		
Embankment Slide	12.00	0.60		
Stepping Post Weave	12.00	0.60		
Climbing Stack	65.00	3.00		
Connecting Paths	19.50	0.00		
Skips & Security Fencing				
Totals			£	£
Grand total			£	

General Notes:

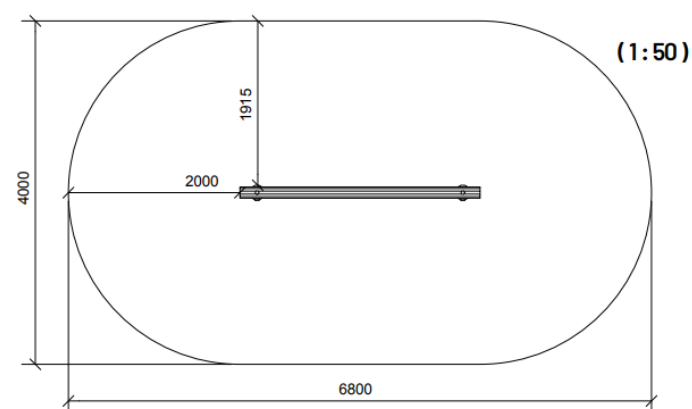
- All prices shown are to be shown in Pounds Sterling and be fully inclusive of delivery of materials and labour
- All safety surfacing is installed to BSEN:1177
- Quotation to be valid for 90 days from date of issue
- All prices are to be **exclusive** of VAT at the prevailing rate
- Payment terms to be 30 days after the date of installation
- Full T&Cs to be provided with tender.

Appendix 1 - Lords Meadow Play Units

Norna Robinia Multi Swing with bird's nest basket

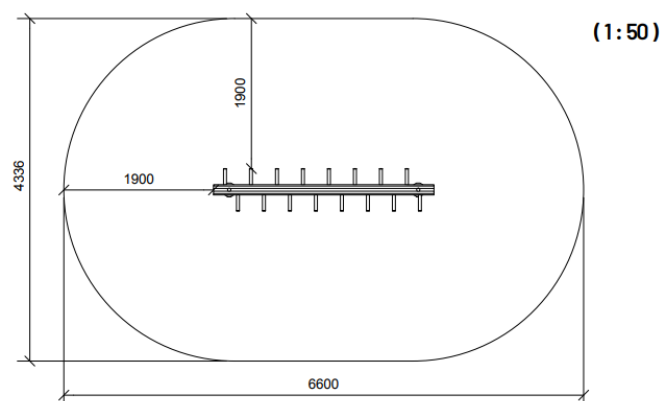


Norna Robinia Gallows with Climbing Net



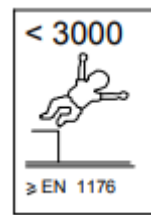
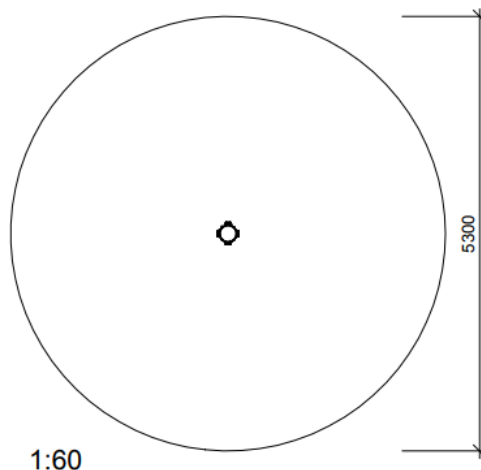
Safety area: 4.15 x 6.7 m

Norna Robinia Gallows with Hand Grips



Safety area: 4.5 x 6.8 m

Norna Robinia Climbing Post



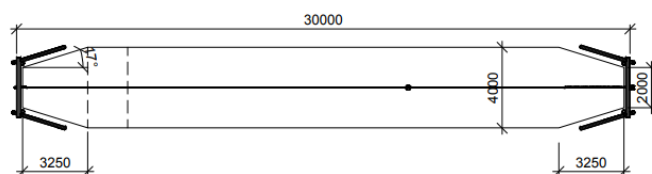
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Norna Robinia Angled Balance Beam



Static units with fall heights 600mm and below require no surface area.

Norna Robinia 30.00m Aerial Ropeway



Safety area: 4.0 x 30.0 m

Norna Robinia Stilts



Static units with fall heights 600mm and below require no surface area.

Norna Robinia Climbing System



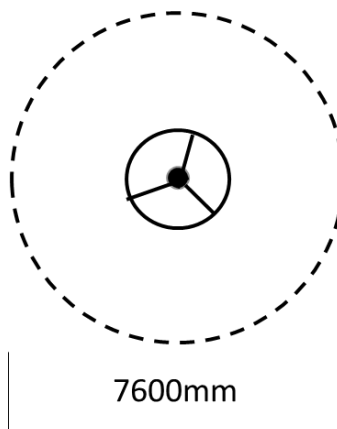
This product is now discontinued and we've been unable to locate its safety surface requirements and fall height. We will therefore use those provided by Northam Town Council.

Embankment Slide



We have been unable to ascertain the manufacturer of this slide, and so have defaulted to EN1176, which dictates that the safety surface should extend to 1.00m each side of the slide and 2.00m from the end.

Miracle Recreation Maypole



Junior Swings – Unknown Manufacturer



<i>Item</i>	<i>Type</i>	<i>Min Qty.</i>
<i>Wetpour (m²)</i>	<i>FFH 1.48m</i>	21.0

