





Dinsdale Moorland Specialists  
Moorland Regeneration – Lowland Mire – Infrastructure – Mapping  
Mountain Bike Trail Build & Design

*Restoring Nature's Balance.*

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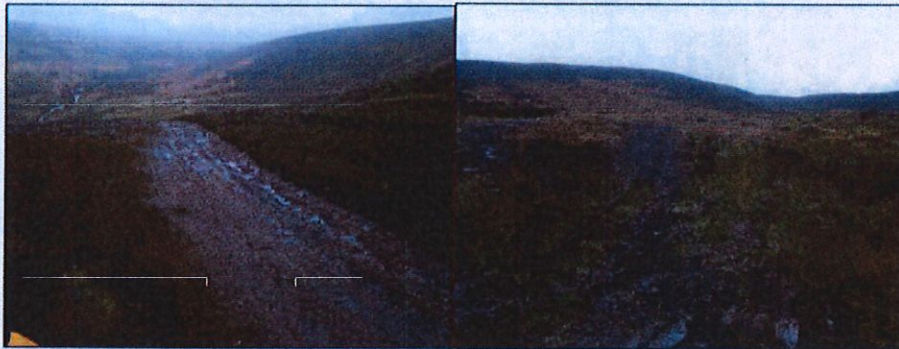
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### **Access Route- Reinforcement Matting**

Site; Midhope Moor

Extract from the Restoration Plan;

Daily access to the north of the work area requires crossing a beck, in this area it is proposed to install matting to reduce further erosion, minimise impact and be able to restore the ground into favourable condition. Due to the width of the current impact as seen below installation of a grass track would improve the ground conditions.



The area can then be seeded and the reduction of movement over the ground will allow the surrounding ground to recover. The matting should be pinned down and over seeded to create a vegetation base to knit together

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T/A Dinsdale Moorland Services



<i>Description</i>	<i>Quantity</i>
<i>Reinforcement Matting</i>	
<i>Access Repair</i>	<i>1300 m</i>
<i>Re-profiling of Footpath Vegetation</i>	<i>2 ha</i>

#### Methodology of works

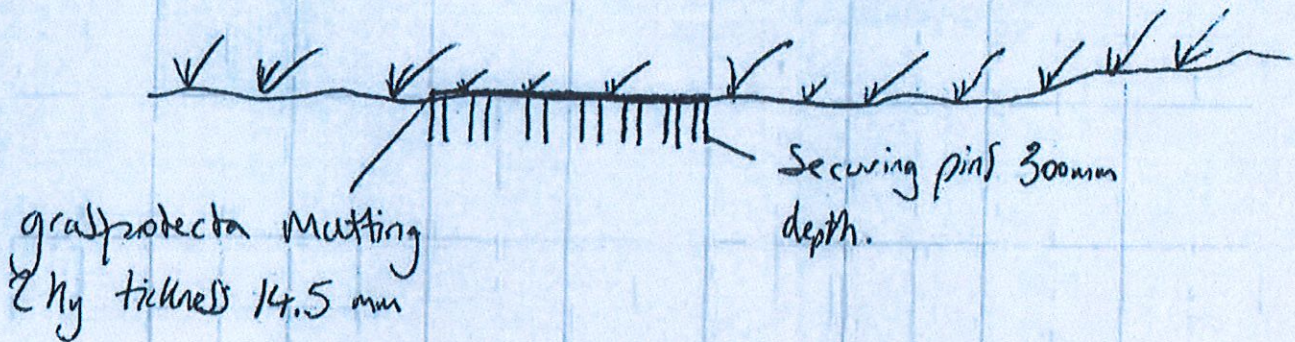
- Materials lifted to site and set out where required
- Track was laid onto the existing vegetation
- Pinned down at regular intervals
- Each end of the 20m rolls are overlaid to ensure coverage
- Areas which lifted over the uneven terrain were doubled pinned
- As part of the bare peat work the area was seeded

The desired result was achieved within one season of growing on Midhope with further growth the results look promising

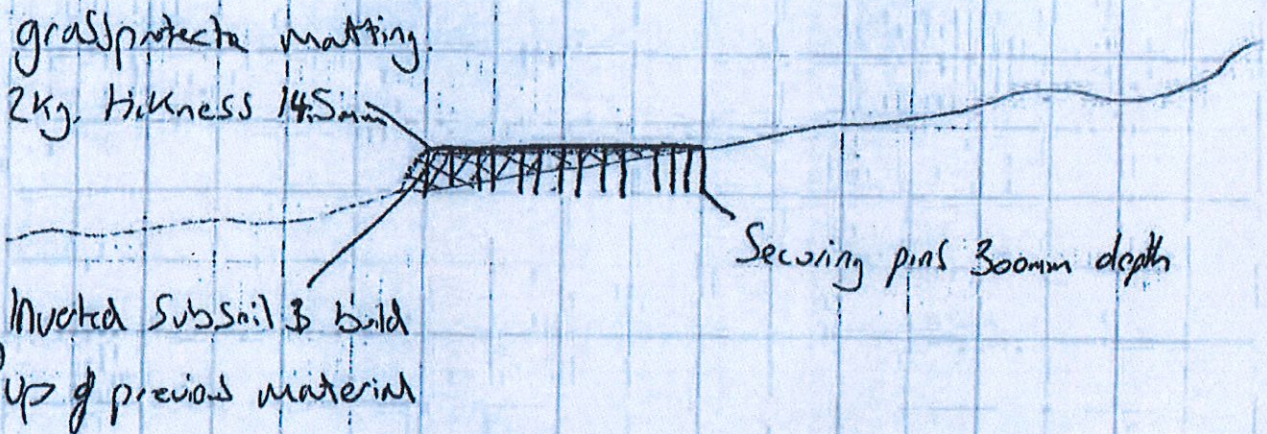




As built level ground. 1:50 - Indicative



Indicative as built inversion Section 1:50



PEAK DISTRICT NATIONAL PEAKS	
ALLOCATED: GROUP OFFICER	
DATE REQ'D	06 FEB 2018
ACKNOWLEDGEMENT:	
REPLY:	
FILE ALLOCATION:	
COPIED TO:	





**Permanent grassed overflow car parks, residential parking, access routes, holiday park areas, verges and wheelchair access routes on firm, well-drained ground.**

GRASSPROTECTA heavy-duty polyethylene mesh reinforces grassed surfaces prone to wear and smearing e.g. permanent car parking and heavily-used pedestrian areas. The oscillated mesh structure provides greater traction and significantly higher slip resistance when compared with standard mesh alternatives. GRASSPROTECTA mesh is available in two thicknesses: 14mm and 11mm.

**Benefits**

- High level of reinforcement – up to 8t per static axle load on firm ground
- Suitable for permanent applications
- Can accommodate shallow slopes
- Fast and cost-effective installation
- No excavation or soil removal is normally required
- Higher slip-resistance than standard mesh products

GRASSPROTECTA mesh is simple to install. The sward grows through the mesh apertures and knits with the filaments to create a strong, discreetly reinforced surface which is capable of withstanding vehicle loads, limiting damage and helping to reduce compaction by reducing direct contact with the soil surface. The grass can be mown, rolled and fertilised as normal during this period and the mesh soon becomes unobtrusive.

GRASSPROTECTA mesh can also be installed onto newly-landscaped areas and seeded as required. It is strongly advised that newly-installed areas remain untrafficked until the sward and the mesh have knitted - normally after a few weeks during the growing season, increasing to a few months out of season. Immediate use may restrict growth and limit the effectiveness of the installation.

**The Standard (11mm) grade is suitable for:**

- Light-usage, overflow car parks
- Wheelchair (DDA) access routes
- Golf-buggy paths
- Heavily-pedestrianised paths

**The Heavy (14mm) grade is suitable for:**

- Overflow car parks
- Light-aircraft taxiways
- Caravan sites and other holiday areas
- Some equestrian surfaces
- Verge stabilisation







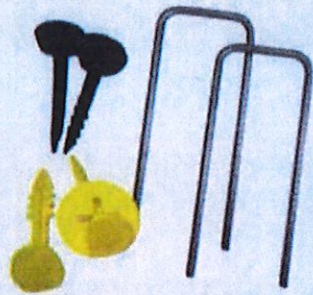
# GRASSPROTECTA™

## GRASS REINFORCEMENT MESH



### Fixing Pins & Pegs

Steel U-pins or plastic pegs to secure GRASSPROTECTA to the ground. Black or yellow marker pegs are available if required.



#### Fixing pin & peg product details

PRODUCT	SIZE	PER BAG OF
U-Pins	170mm x 70mm x 6 dia.	Bag 50
Black/Yellow Pegs	140mm long	Bag 100

SIZE	GRADE	COLOUR	MESH APERTURE (Diamond/Quad)	SLIP RISK (RFV VALUE)	WEIGHT	THICKNESS	MATERIAL
2m x 20m	Heavy	Green/Black	3:1 Ratio	.40 (Low)	1.2kg/m <sup>2</sup>	11mm	Recycled/Virgin HDPE blend
2m x 20m	Standard	Green/Black	3:1 Ratio	.40 (Low)	2kg/m <sup>2</sup>	14mm	Recycled/Virgin HDPE blend



For more information, contact us today or visit our website:  
[www.groundtrax.com](http://www.groundtrax.com)

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### Product Data Sheet



Characteristics	Test Method	Standard (1.2kg)	Heavy (2kg)
Structure		Oscillated	
Polymer		High density polyethylene	
Colour		Green	
Tensile strength (kN/m) [MD]	ISO 10319	12	16
Yield point elongation (%)		30	35
Residual thickness @500kPa	ASTM D1621	45	60
Slip risk PTV value (average)	BS7976: 1-3	>40 (low)	

Nominal dimensions	Standard (1.2kg)		Heavy (2kg)	
Width (m)	1	2	1	2
Length (m)	10	20	10	20
Thickness (mm)	11		14.5	
Weight/m <sup>2</sup> (kg)	1.2		2	
Weight/linear m (kg)	1.2	2.4	2	4
Roll weight (kg)	12	48	20	80



Full details are on our website  
[www.groundtrax.com](http://www.groundtrax.com)

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 Ground Protection and Reinforcement