Item 5. Doorstep Green - Access Road & Car parking

Using Mesh - or some hybrid solution: Janet Norman-Philips

There are several reasons why "Mesh" was ruled out for the roadway and parking area by the AGM of Redlingfield Village Amenities Ltd. (*See attached Site Plan & Options Matrix*).

lan Winter and I had a technical sales specialist visit to examine the site and talk about usage. His immediate reaction was that the length of the roadway ruled out any kind of mesh unless there was very little traffic **and** it could be kept under 5 miles an hour (mesh has a tendency to ruck up like a carpet if cars are rough with it). His firm sells Mesh but he wasn't happy to quote for it having seen the site - he did provide a quote (option 9) with the proviso that it was just for existing use - not increased or community use of the church.

Regarding the parking area - his view was, that if it was just for the church and used once a month for services, with little other use, and none during winter, then mesh would work. He was doubtful that it would cope with a fire-engine in winter without damaging the surface.

However, as soon as we explained that the car parking was 1. Shared between the church and Doorstep Green - so would get more use than church services and 2. The Church was planning to upgrade the church building to have a wider community use - which would mean more people parking more often - then his view was that we would end up having to remove the mesh and replace it with some form of paver in a year or two.

The real downside of mesh comes from removing or replacing it. On it's own each roll weighs around 80kg (so four people are needed to handle or a roll) - once grass has been allowed to grow through it and fully establish – removing it means rolling up the grass and soil with the mesh, each roll would then weigh around a ton and be commercial waste - mixed plastic, grass and soil. Difficult to get rid of and leaving bare earth with no topsoil - so needing reseeding and topsoil added - allowed to grow for a few months and then pavers put down - in other words a car park out of action for several months and not a wildlife friendly/eco approach as most of the earthworms and insects will be rolled up in the mesh.

We also considered all the options in terms of - how soon can you use the car park/roadway once the product has been put down.

- Mesh: Once it's rolled out and pinned down approximately 3-4 cuts around 6-8 weeks when it can't be used at all as the grass grows.
- Press in Pavers: Geocross & Gridforce Park 30: similar to mesh once the ground has been made wet (or it's rained for a while) - the product it laid down and clipped together, rolled in with a sit on roller, then grass allowed to grow for 6 weeks or so.
- CellPave GP: Grass is cut short, product is laid down and clipped together. You can drive on it immediately.

So CellPave wins hands down in terms of being usable quickly and the car park being out of commission only whilst it is being installed

We then got samples of all the products - Which is what totally convinced us that, any mesh simply would not do and that CellPave GP was the only viable, (and affordable) product.

CellPave GP is rubbery and forgiving - the other pavers are rigid and look fragile. The mesh is simply hard plastic.

Ian Winter popped over to Thornham Walks which are using Gridforce IR35 (option 8) - it's been down since late last year and is already cracked in places. Whilst obviously Thornham Walks gets lots more traffic - Gridforce IR35 is a "much better" and more expensive product than the option 7 we were considering. However, it's not just cars we need to cater for - there will be other traffic occasionally, including farm and emergency vehicles.



C Existing signage added

03.03.2015

Quote	Mesh	Supplier	Product	Tech	Units	Unit Cost	Price	VAT	Total Cost	Notes	
1		Hy-Tex (UK) Limited, Aldington Mill,								Contact: Ryan P Markham	
		Mill Lane, Aldington, Ashford, Kent	23 Rolls GrassMesh Flex 1800 -		23 Mesh &	£280 per roll & £33				Sales Mgr. 01233 720097 sales@hy-tex.co.uk Ref: SP2065	
		TN25 7AJ www.hy-tex.co.uk	2mx20m 72kg per roll	100 pins a roll	2,300 U pins	per 100 pins	£7,399.00	£1,479.80	£8,878.80	30 days from 7/7/2021	9k
2		Groundtrax Systems Ltd Station									
		Yard, Ripley, Harrogate, North									
		Yorkshire. HG3 3BA	GrassProtecta Grass			£305 per roll &					
		www.groundtrax.com	Reinforcement Mesh Heavy		23 Mesh &	£34.50 per 100 pins				David Marsh - 03456 800008. info@groundtrax.com 4	
		www.contractorsyard.com	14.4mm	150 pins a roll	3,500 U pins	deliver £260	£8,482.50	£1,696.50	£10,179.00	rolls per pallet - quote valid 30 days	10k
					24 Mesh &					Anna Corbetta	
		Tenax mesh4 Unit 36 Abenbury Way,			2,400 pins					Customer Service Mgr.	
3		Wrexham Industrial Estate,	Tenax GP-Flex 1800 Heavy		(note other	Mesh £295 per roll				07917 796485 01978 807345 Less discount of 3% =	
		Wrexham, Wales, LL13 9UZ 01978	2mx20m has slip resistant	mesh has additional	quotes are for	& £25 per 100 pins				£7615.47 + vat = £9,138.56 - less cost of 1 roll and pins =	
		807345 sales@mesh4.co.uk	surface	anti-slip surface	23 rolls)	delivery £279	£7,851.00	£1,570.20	£9,421.20	£7,540 + vat = £9,048.15	9.5k

	Press In	Supplier	Product	Tech	Units	Unit Cost	Price	VAT	Total Cost	Notes	
4		Suregreen Ltd, Viridis House,									
		Toppesfield Road, Finchingfield,								Paul Munday Technical Sales Mgr. 01376 503869 / 01376	
		Essex, CM7 4NZ www.sure-	Geocross Roll in Grass							653353 / 07703 784558 30 days from 15/6/2021	
	sample	green.com	reinforcement	Roller in with roller	932 m/grids	£13.45	£12,535.00	£2,507.00	£15,042.00	sales@sure-green.com	15k
5		Groundtrax Systems Ltd Station									
		Yard, Ripley, Harrogate, North		put on ground and							
		Yorkshire. HG3 3BA		drive on immediately							
		www.groundtrax.com		can also be vibrated		£10.55 plus delivery				David Marsh - 03456 800008. info@groundtrax.com 75	
	sample		CellPave GP	in	900 m/grids	£600	£10,095.00	£2,019.00	£12,114.00	per pallet 900 - quote valid 30 days	12k
		Groundtrax Systems Ltd Station									
				put on ground and							
6		Yorkshire. HG3 3BA	pattern 1m track, a 1m space, a								
		www.groundtrax.com	2m track, a 1m space and then	can also be vibrated		£10.65 plus delivery				David Marsh - 03456 800008. info@groundtrax.com 75	
		www.contractorsyard.com	a 1m track	in	750 m/grids	£500	£8,487.50	£1,697.50	£10,185.00	per pallet 900 - quote valid 30 days	10k
7											
		GridForce Industrial Estate South,	Gridforce Park 30							Jenny Pidgeon Gridforce Sales Office Corden Hardware	
		Park Road, Calverton. Nottingham,	390x580x30mm cellular pavers		/					Company Ltd jenny@cordengroup.com 0115 965 7303	
	sample	NG14 6BP www.gridforce.co.uk	with built-in connecting system	Roller in with roller	932 m/grids	£9.95	£9,273.40	£1,854.68	£11,128.08	www.gridforce.co.uk	11k
8		GridForce Industrial Estate South,	Gridforce IR35 389x389x35mm							Jonny Didgoon Cridforco Solos Office Cordon Hardware	
										Jenny Pidgeon Gridforce Sales Office Corden Hardware	
	I .	Park Road, Calverton. Nottingham,	green cellular pavers with built-		022 (644.05				Company Ltd jenny@cordengroup.com 0115 965 7303	
	sample	NG14 6BP www.gridforce.co.uk	in connecting system	Roller in with roller	932 m/grids	£11.95	£11,137.40	£2,227.48	£13,364.88	www.gridforce.co.uk	13.5k

	Hybrid Mix	Supplier	Product	Tech	Units	Unit Cost	Price	VAT	Total Cost	Notes	
9		Suregreen Ltd, Viridis House, Toppesfield Road, Finchingfield,	Grass Mesh GR14 2mx20m for parking & Geocross Roll In			£325 per roll &				Paul Munday Technical Sales Mgr. 01376 503869 / 01376	
	samples	Essex, CM7 4NZ www.sure- green.com	Grass reinforcement for roadway	Roller in with roller	10 Rolls mesh 540 m/grids	£13.45 grids plus £370 delivery	£11,045.00	£2,209.00	£13,254.00	653353 / 07703 784558 30 days from 15/6/2021 sales@sure-green.com	13k
10	samples	Groundtrax Systems Ltd Station Yard, Ripley, Harrogate, North Yorkshire. HG3 3BA www.groundtrax.com www.contractorsyard.com	Reinforcement Mesh Heavy 14.4mm for parking and	Cell Pave GP is a lay it down and drive on it immediatly product	10 Rolls mesh 525 m/grids	£305 per roll & £10.55 grids plus delivery c. £500	£9,088.75	£1,817.75	£10,906.50	David Marsh - 03456 800008. info@groundtrax.com 75 per pallet and 4 rolls per pallet quote valid 30 days	11k
11	samples	Groundtrax Systems Ltd Station Yard, Ripley, Harrogate, North Yorkshire. HG3 3BA www.groundtrax.com www.contractorsyard.com	14.4mm for parking and CellPave GP with gap for	Cell Pave GP is a lay it down and drive on it immediatly product or roller in	10 Rolls mesh 360 m/grids	£305 per roll & £10.55 grids plus delivery c. £500	£7,997.25	£1,599.45	£9,596.70	David Marsh - 03456 800008. info@groundtrax.com 75 per pallet and 4 rolls per pallet quote valid 30 days	9.5k
12	samples	Mix of Tenax Mesh4 and Groundtrax	Tenax GP-Flex 1800 Heavy 2mx20m has slip resistant surface for parking & CellPave GP for roadway								11k