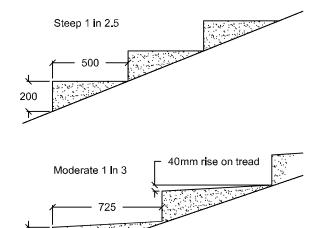
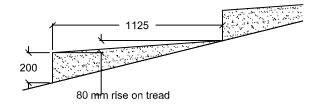
#### Timber step construction

#### Dwg A

The depth of the tread depends onthe gradient of the slope



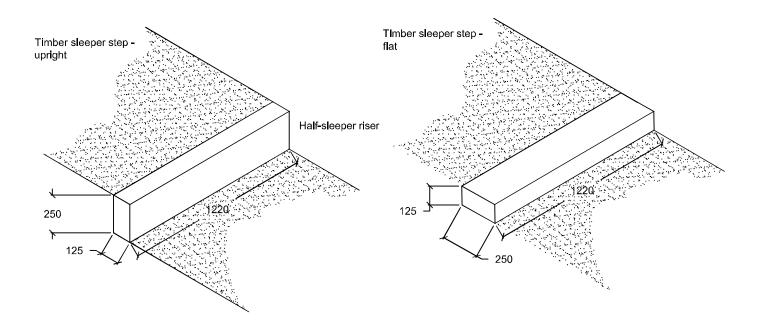
Shallow 1 In 4



#### Timber step construction

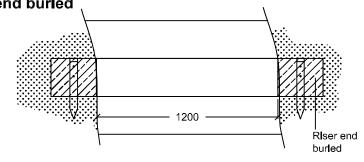
#### Dwg B

# NB length of timber riser will vary to suit width of path as per site construction plan



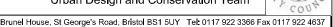
#### Timber step construction

## Dwg C Timber wider than step with riser end buried



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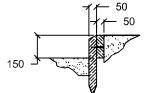


Project Title: Troopers Hill - Stepping Forward						
Drawing Title: Timber step construction						
Date:	09.08.11	Drawn:	FS	Scale:	1:25@A3	
Droinet/				Daylalan		

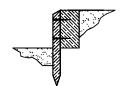
Project/ Dwg No: CDG10/049 - a-c

#### **D- Methods of fixing risers**

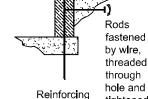
#### Timber board may be used in locations where timber sleepers too bulky. TBC with CA on site



Timber board risers and stakes of equa thickness to be nailed from the inside.



risers to be nailed from the outside.



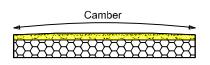
dowe

ground

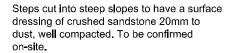
Run-off to slde

threaded through hole and tightened rods / stee with toggle fixing into

#### E- Cambers

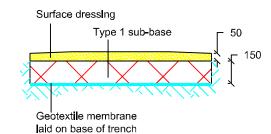


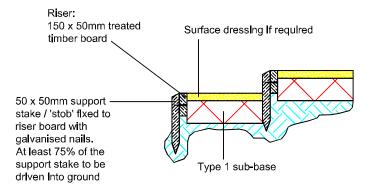
Steps partly comprised of fill to have a French drain of free draining material.



#### F- X-section of steps

Pathway construction



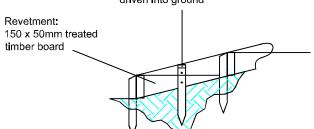


#### G- Revetment option where soil unstable. TBC with CA on site

Revetment:

timber board

Where soil is unstable on slope: 50 x 50mm support stake fixed to revetment board with galvanised nails. At least 75% of the support stake to be drIven Into ground



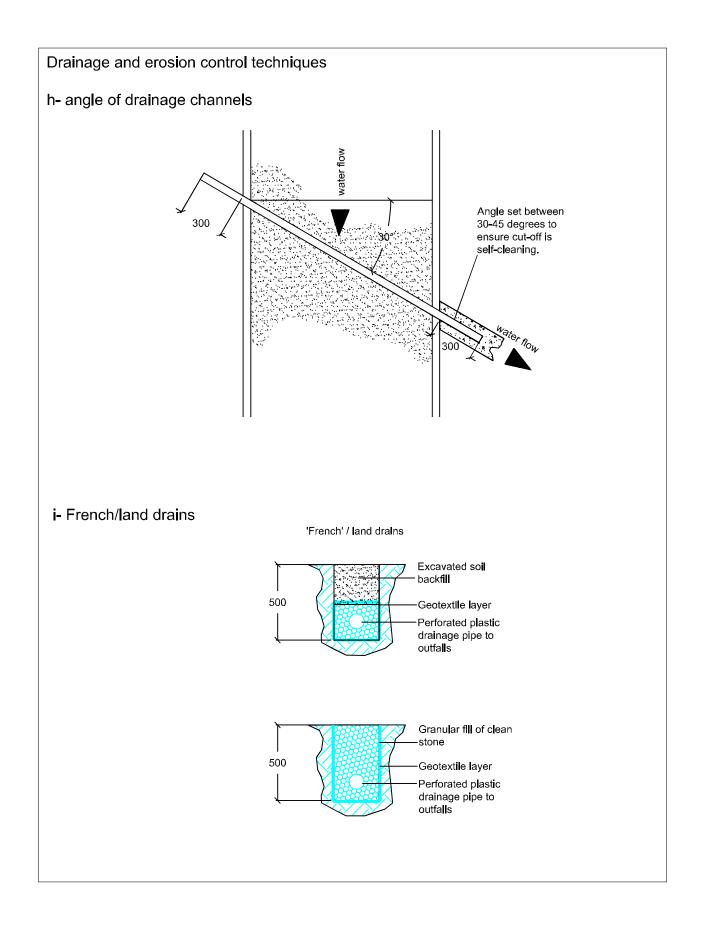
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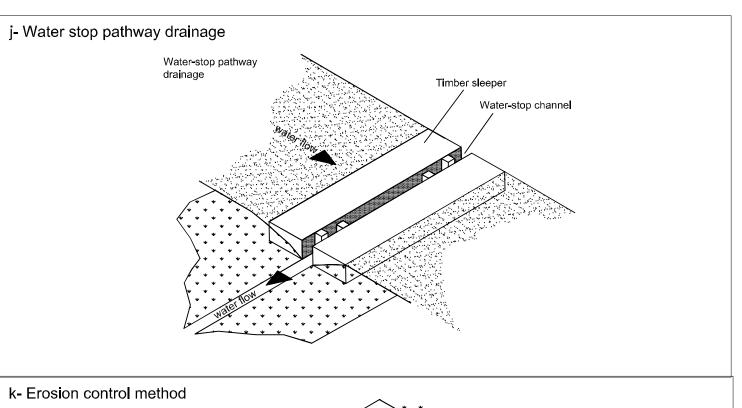
Place Shaping Team Urban Design and Conservation Team

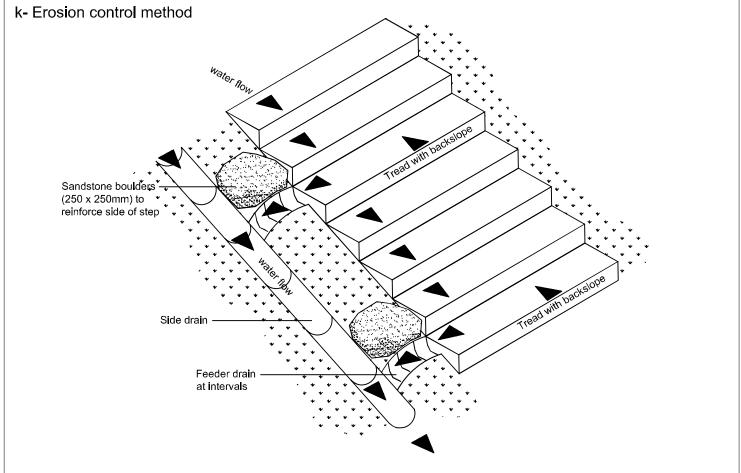


Brunel House, St George's Road, Bristol BS1 5UY Tel: 0117 922 3366 Fax 0117 922 4637

Project Ti	itle: Troop	ers Hi	<b>ill -</b> Step	ping For	ward
Drawing <sup>1</sup>	Title: Const	ruction	n details	steps	
Date:	09.08.11	Drawn:	FS	Scale:	1:25@A3
Project/ Dwg No:	CDG10	/049	- d-a	Revision:	T1







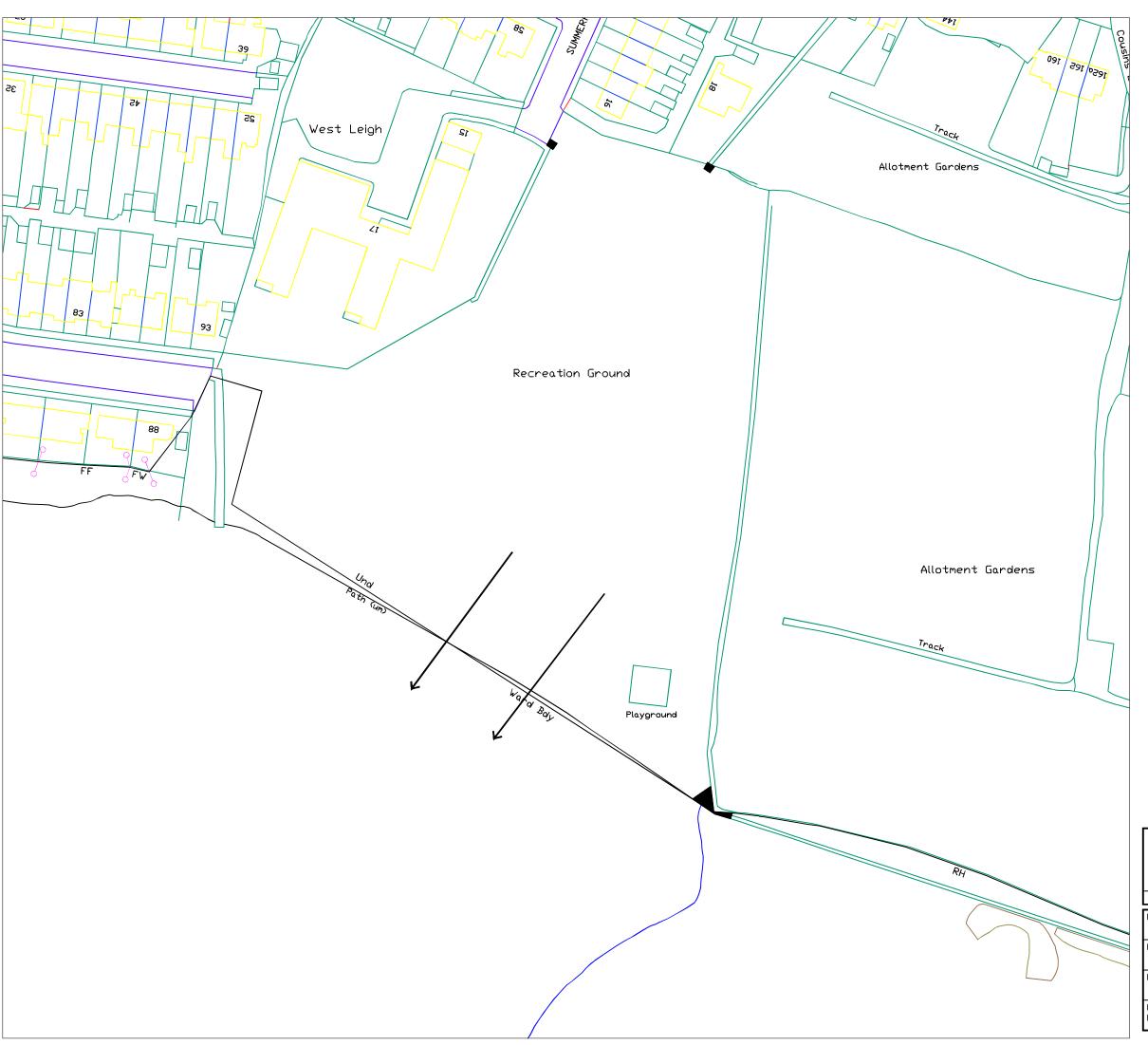
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Project 1	Troopers Hill - Stepping Forward				
Drawing	Titale: Constr	uction details- s	teps &	drainage	
Date:	09.08.11	Drawn: FS	Scale:	1:25@A3	
Project/ Dwg No	CDG10	/049 - h-k	Revision:	T1	

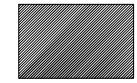


land drains approximate location and direction.

Exact location TBC on site with CA



locations of Grasslock surfacing Total area = 40m2



City Design Group

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Urban Design and Conservation Team

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Project Title: Troopers Hill - Stepping Forward					
Drawing Title: Location plan for land drains and grasslock surfacing					
Date:	09.08.11	Drawn:	FS	Scale:	1:1000@A3
Project/	CDG10	/049		Revision	on: