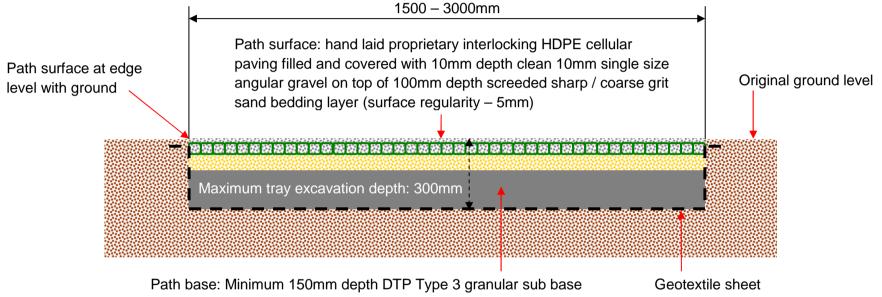
### Construction notes:

- 1. Stripped turfs and excavated soil to be cast and spread locally on site.
- 2. Formation level to be treated with approved residual herbicide.
- 3. Soft spots to be excavated and filled with DTp Type 3 granular sub base.
- 4. If required, bedding layer to be supported with geotextile sheet on top of path sub base.
- 5. Cellular gravel retention system to be proprietary HDPE product suitable for type of traffic intending to use the path. The system to be filled and covered with 0/10mm single size angular gravel to maximum depth of 10mm.
- 6. This drawing should be read in conjunction with specification details SPEC/RGP/01. Granular sub base to be produced according to SHW Clause 805.



Path base: Minimum 150mm depth DTP Type 3 granular sub base (surface regularity – 15mm). Optional sub base: 4/40 or 4/20 close graded granular sub base blinded with 2/6.3mm graded aggregate

(Install geogrid on top of geotextile sheet if formation level is soft)

This standard detail is indicative only and not intended to be relied upon in specific site cases. A designer should satisfy themselves of site conditions and vary details and dimensions to suit. Paths for All accept no liability for any inaccuracies or for any loss, expense, damage or injury or accident arising from the use or application of information contained here in.



### Reinforced Gravel Path (Full Tray Excavation) Standard Detail

Date: 08/06/11

Scale: Not to scale

Drawn by: Technical Officer

Drawing nr: SD/RGP/01

# **SPECIFICATION DETAILS – SPEC/RGP/01**

## **Reinforced Gravel Path**

Note: These specification details should be read in conjunction with standard detail drawing SD/RGP/01 – Reinforced Gravel Path (Full Tray Excavation).

## Material Specification Details

Geogrid	Geotextile	Surface layer	Bedding	Sub base
(If required)	(If required)		layer	layer
Auto Grid	Autoway 120 or alternative equivalent product grade (Terram 2000, Lotrak 16/15)	Proprietary interlocking HDPE cellular paving sections, 10mm single size angular gravel	100mm sharp / coarse grit sand	Open DTp Type 3 granular sub base Optional sub base: 4/40 or 4/20 close graded granular sub base blinded with 2/6.3 graded aggregate

## **Construction Specification Details**

## Formation tray excavation

- levels. 1.5metre wide formation tray to maximum depth of 300mm below ground Excavate the ground to expose sub soil and grade out irregularities to form
- level base. Treat formation level with approved residual herbicide. Formation tray should be rectangular in section with vertical sides and
- for spreading and landscaping. site, either side of formation tray, and landscaped into existing ground Stripped vegetation and excavated topsoil to be cast and spread locally on levels. If space is limited, cart excess materials to suitable location on site
- sub grade is stable. Back fill with DTp Type 3 granular sub base to If soft spots are present, excavate the area below formation level until the formation level and compact to refusal.

# Geotextile sheet installation (including geogrid if required)

- line the base and both sides. Overlap joining sheets by 1.0metre Lay and secure geotextile sheet in formation tray. Geotextile sheet should
- protrude up the sides of the formation tray. Overlap joining sheets by Lay and secure geogrid on top of geotextile sheet. Geogrid should not 1.0metre

### Sub base layer

surface for the bedding layer to be installed upon. If no drag box is the geotextile sheet in the formation tray to form a uniform even level Using a drag box lay 150mm depth of DTp Type 3 granular sub base upon

- to form a uniform even level surface using asphalt rake. available, DTp Type 3 granular sub base should be laid, spread and raked
- roller recommended). tandem vibrating roller until full compaction is achieved (minimum 120 type Compact sub base layer thoroughly to refusal using a heavy ride-on
- 3.0metere long straight edge, with no high or low points or hollows. regularity, which should be accurate to maximum gap of 15mm under a intervals along the compacted sub base layer for consistent even surface Once sub base layer is compacted, check levels of the surface at regular
- raked off or topped up with additional DTp Type 3 granular sub base and Any part of the sub base layer deviating from the required level must be re-compacted to the correct levels

## Geotextile sheet installation

surface of sub base layer with sand. Overlap joining sheets by 1.0metre. support the bedding layer and to avoid filling in the open voids in the Lay and secure geotextile sheet on top of compacted sub base layer to

### **Bedding layer**

- level surface for laying the interlocking plastic cellular paving upon. geotextile sheet on the compacted sub base layer to form a uniform even Lay and screed 100mm depth of sharp / coarse grit sand upon the
- to bed into the bedding layer, so some 'give' in the sand is required Do not compact the bedding layer as the base of the cellular paving needs
- gap of 5mm under a 3.0metere long straight edge, with no high or low consistent even surface regularity, which should be accurate to maximum Check levels of the surface at regular intervals along the bedding layer for points or hollows
- regulated with additional sharp / coarse grit sand and re-screeded to the Any part of the bedding layer deviating from the required level must be correct levels.

## Surface layer – laying the proprietary interlocking HDPE cellular paving sections

- interlocking HDPE cellular paving sections onto the bedding layer. edges on either side of path to act as an alignment guide for installing the Set out two taut string lines, 1.5metres apart, against the bedding layer
- tab edges would point forwards and to the right. left. Alternatively, if starting from the left hand corner, the two interlocking interlocking tab edges of the paving section will point forwards and to the align the first paving sections grooved edge to the taut string line. The two Starting at the beginning of the bedding layer, in the right hand corner,
- grooves. Also make sure the paving section lies flat on the bedding layer. with foot to complete connection. Check all tabs have locked into the lower the paving section into position on bedding layer, apply pressure that grooves fit over interlocking tabs on previous paving section, then Offer up the next paving section in same orientation as the first section so
- the next row of paving sections. Continue laying paving sections in this Continue laying paving sections in rows in a forward direction and to the left towards the left hand spring line, stand on the laid paving when laying manner until the path area to be paved is completed.

- bedding layer providing good anchorage. If the paving is to be installed on path is being built on a steep gradient, the open base will grip into the a steep gradient, use anchor pins to securely fix the paving to the bedding There is no need to pin paving sections to the bedding layer, unless the
- nailed down using manufacturer's pins. give a neat and reasonably straight edge. Cut paving sections should be edge, then cut straight through the paving sections using the cut-off saw to and align a straightedge with the string line to give a firm cutting guide area to be cut, set up a taut string line to establish the intended cutting line be easily cut in-situ using a power cut-off saw – lay the paving beyond the For fitting paving sections at bends, corners etc. the paving sections can
- bedding layer. vibrating roller or whacker compaction plate, to bed the paving into the the entire area should be compacted using a medium weight walk-behind Once the paved surface layer is laid and any cutting required completed,

## sections Surface layer – filling the proprietary interlocking HDPE cellular paving

- the top edges of each cell. Fill cellular paved surface layer with 10mm single sized angular gravel to
- ring edges top of infilled cellular paved surface to cover and conceal the exposed cell Lay and spread 10mm depth of 10mm single sized angular gravel over the
- interlock, preventing displacement when walked or wheeled over. vibrating roller or whacker compaction plate to help the angular gravel Lightly consolidate gravel surface with medium weight walk-behind

### Landscaping

- with finished path surface with a 150mm depth of topsoil. The topsoil should be landscaped level Exposed geotextile sheet edges either side of path should be covered over
- path to allow surface water to run off onto adjacent ground The finished path surface should be level with the ground on either side of