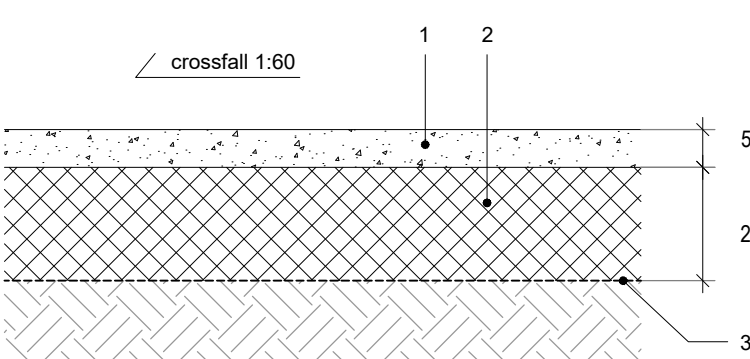




S1 - BREEDON GRAVEL, FULL BUILD-UP (Pedestrian Grade)
Scale 1:10

- Gravel:** 50mm finished compacted thickness of Breedon Golden Amber Gravel, with 1:60 crossfall.
- Sub-base:** 200mm depth compacted compacted MOT Type 1 sub-base to DOT, Clause 803 (granite or limestone - recycled Type 1 not permitted) to engineers detail.
- Terram 1000 geotextile membrane on proof-rolled formation level/sub-grade to engineers detail

Breedon gravel manufacturers laying instructions:

Stage 1:

- Lay Type 1 sub-base and fully compact using 1.5 minimum tonne roller to cambers in order to shed water off path, 8% camber.
- Spread 75mm depth Breedon Golden Amber Gravel in order to achieve a finished compacted thickness of 50mm. Use material when it is sufficiently moist to allow compaction, but not overly damp that it oozes out from roller.
- Roll surface with roller, using vibratory action until compaction is achieved.
- Where coarse areas are visible, repeat process by spreading Breedon fines and compact using roller.

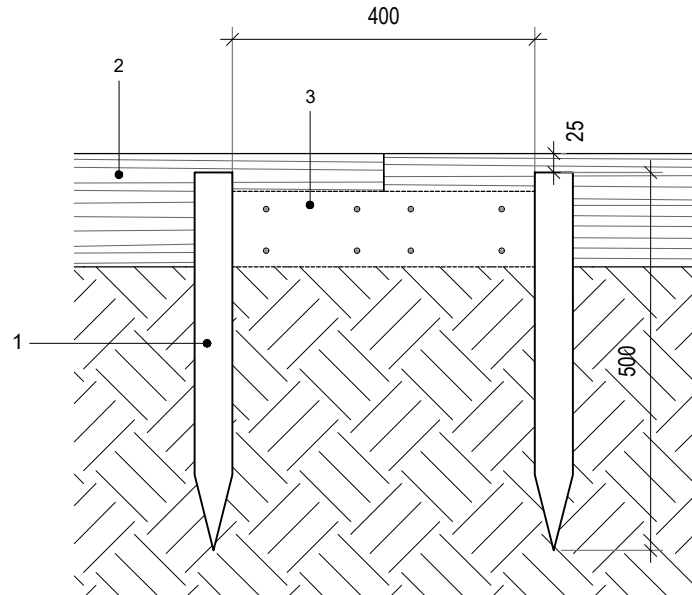
Once uniform appearance has been achieved the second stage can be undertaken. This is the water rolling of Breedon gravel for which the vibratory action of the roller must be switched off.

Stage 2:

- Continue compacting and rolling using water roller. Note, sufficient water must be used used to prevent gravel sticking to the drum of the roller. This can be rectified by directing water onto roller to fully saturate drum, but care must be taken to avoid direct contact with Breedon, which would result in washing out the fines necessary to bind the material. The object of water rolling this material is to float sufficient fines to the top surface of the gravel to obtain a well-bonded finish.
- If there are any lines or grooves in the gravel left by the weight of the roller, a soft wide broom can be used to gently pass over the surface whilst still wet – this will remove any lines and leave a perfect surface finish.

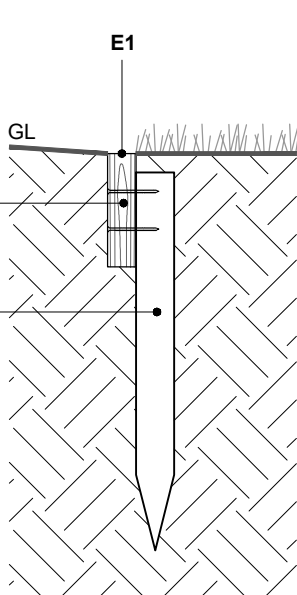
Stage 3:

- It is important that the area should then be allowed to dry out before being opened up to general use, the length of time to allow is dependent on weather conditions, but this can take up to 2 weeks.



DETAIL 01 - TIMBER EDGING (E1)
Scale 1:10

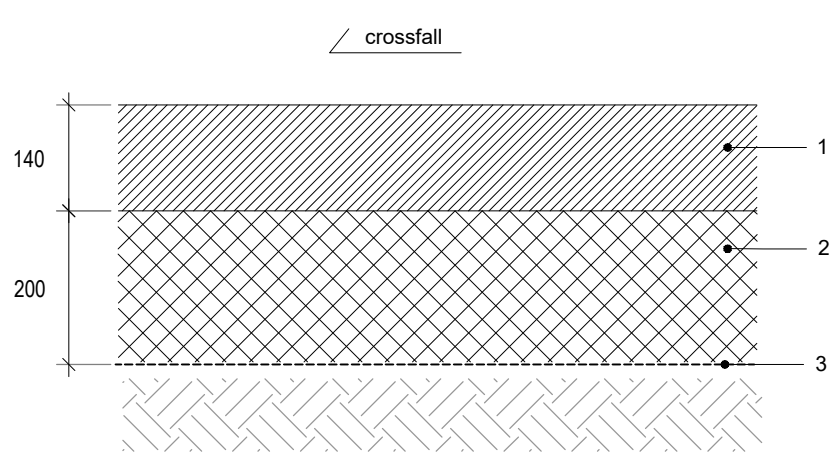
- Edging:** 150 x 38mm treated softwood boards attached to timber stakes piece with 75mm stainless steel woodscrews at 1m centres.
- Fixings:** 100 x 50 x 500mm (L x B x H) pointed, treated softwood stakes spaced at max. 1m centres (straight or gently curved sections) or 0.5m centres (radiused sections) to achieve 'sweet' curves and ensure edging does not bow. Stakes must finish 25mm min. below board/ground level and not be visible following making good.
- Connector boards:** 400 x 100 x 25mm treated softwood board to attached to edging with 50mm stainless steel woodscrews.



NOTE:

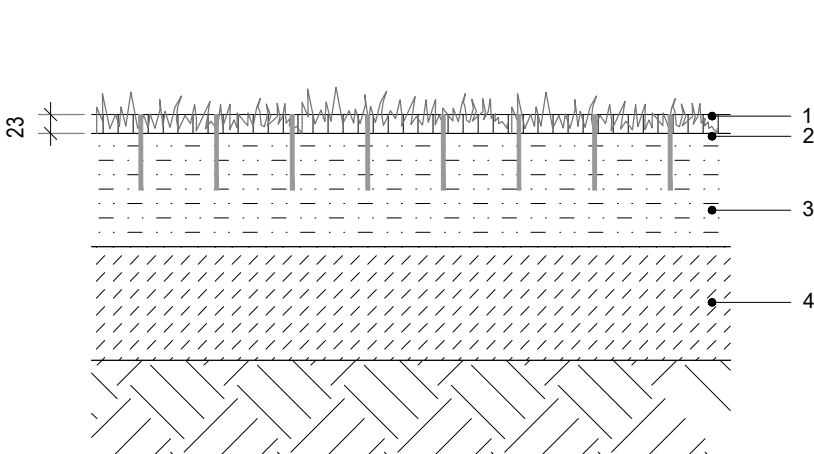
Curves: Boards on a curve/radii must be kerfed by cutting shallow cuts (kerfs) into the inner face of the board, 10-15mm deep at 25mm centres. For curved sections use stakes only/omit bracing pieces. Use requisite number of stakes to achieve 'sweet' structurally sound curve. **Awkward joints, kinks and bows will not be accepted.**

Ensure all adjacent areas are graded and made good to meet the timber edge. Levels should be approximately flat or 10mm below the timber edge and should never finish above the height of the paths to ensure water is shed off the path surface.



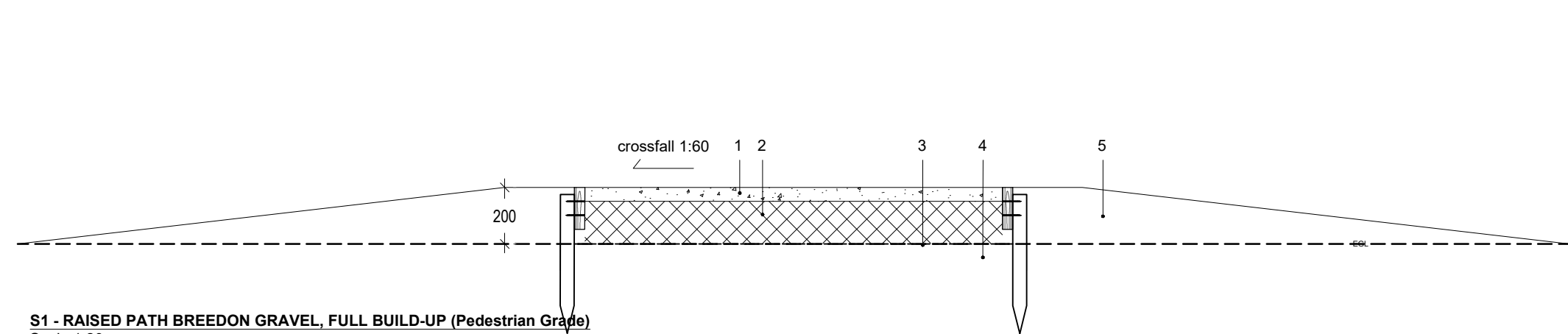
S3a - Tiger Mulch, FULL BUILD-UP
Scale 1:10

- Safety surface:** Tiger Mulch by Redlynch Leisure Ltd (installed by approved supplier to manufacturers instructions) Depth to be adjust to suit each play equipment CFH as Contractors Design. Contractor to submit proposals. Refer to Tiger Mulch Build Up Dwgs for costing allowance.
- Sub-base:** 200mm depth compacted MOT Type 1 sub-base to DOT Clause 803 (granite or limestone - recycled Type 1 not permitted) to engineers detail
- Geotextile Layer:** Terram 1000 (or equal approved) geotextile membrane on proof-rolled formation level/sub-grade to engineers detail
- Sub-grade:** Well compacted & proof-rolled formation level/sub-grade
- Edging :** Unless otherwise identified to be laid to new edging, Tiger Much to be finished with a 'toe' and rolled into adjacent grass (to suppliers detail) for costing purposes assume 150 x 150mm toe along grass edges.
Contractor to confirm final detail as part of CDP



S3b - Rubber Safety Matting, FULL BUILD-UP
Scale 1:10

- Safety surface:** Safagrass 1500 x 1000 x 23mm rubber matting (or equal approved) installed in strict accordance with suppliers recommendations. Prior to pinning matting the grass to be cut short, all debris cleared and uneven areas to be leveled out with a quality top soil and re-seeded with grass seed. Mats to be measured and set out around equipment prior to pinning down. Ensure the rubber safety mats are butted closely together when laying, use cable ties at 150mm intervals to secure the joining mats together - cut the ends of the cable ties and push the 'knuckle' of the cable tie underneath the mat. Pin the mats to the ground, on average 7 pegs per mat used around the outer perimeter of the mats.
- Mesh:** TechMesh Lite Reinforcement Mesh by Technix Rubber & Plastics Ltd to be laid in strict accordance with suppliers recommendations.
- Topsoil:** 150mm depth topsoil leveled and dressed as needed
- Sub soil:** Compacted to suppliers detail



S1 - RAISED PATH BREEDON GRAVEL, FULL BUILD-UP (Pedestrian Grade)
Scale 1:20

- Gravel:** 50mm finished compacted thickness of Breedon Golden Amber Gravel, with 1:60 crossfall.
- Sub-base:** 150mm depth compacted compacted MOT Type 1 sub-base to DOT, Clause 803 (granite or limestone - recycled Type 1 not permitted) to engineers detail.
- Terram 1000 geotextile membrane on proof-rolled formation level/sub-grade to engineers detail
- Existing ground level stripped of grass
- Site won topsoil topsoil graded at 1:5max to marry in with existing ground levels

Breedon gravel manufacturers laying instructions:

Stage 1:

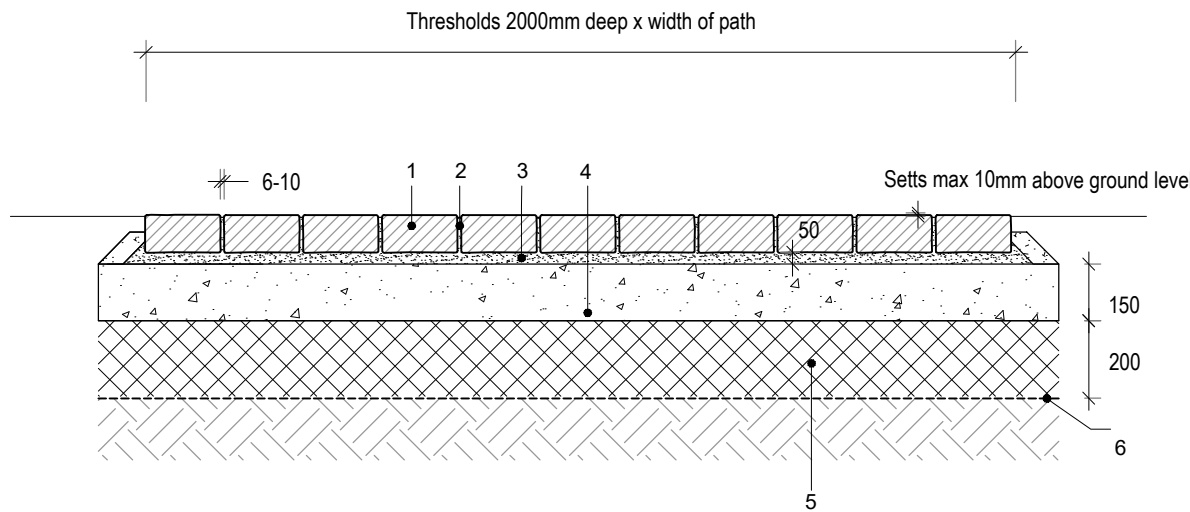
- Lay Type 1 sub-base and fully compact using 1.5 minimum tonne roller to cambers in order to shed water off path, 8% camber.
 - Spread 75mm depth Breedon Golden Amber Gravel in order to achieve a finished compacted thickness of 50mm. Use material when it is sufficiently moist to allow compaction, but not overly damp that it oozes out from roller.
 - Roll surface with roller, using vibratory action until compaction is achieved.
 - Where coarse areas are visible, repeat process by spreading Breedon fines and compact using roller.
- Once uniform appearance has been achieved the second stage can be undertaken. This is the water rolling of Breedon gravel for which the vibratory action of the roller must be switched off.

Stage 2:

- Continue compacting and rolling using water roller. Note, sufficient water must be used used to prevent gravel sticking to the drum of the roller. This can be rectified by directing water onto roller to fully saturate drum, but care must be taken to avoid direct contact with Breedon, which would result in washing out the fines necessary to bind the material. The object of water rolling this material is to float sufficient fines to the top surface of the gravel to obtain a well-bonded finish.
- If there are any lines or grooves in the gravel left by the weight of the roller, a soft wide broom can be used to gently pass over the surface whilst still wet – this will remove any lines and leave a perfect surface finish.

Stage 3:

- It is important that the area should then be allowed to dry out before being opened up to general use, the length of time to allow is dependent on weather conditions, but this can take up to 2 weeks.



S4 - GRANITE SETTS, FULL BUILD-UP (Vehicular Grade)
Scale 1:20

- Setts:** 200 x 100 x 100mm, flamed and lightly tumbled pink grey granite setts by CED Quarries 'Grampian Granite' or equal approved. Apply Parex Bond Plus Priming Mortar 'scub coat' to improve adhesion.
- Jointing:** 10mm Parex pre-mixed mortar joints (Parex 'Mid Grey' - TBC), 2mm below surface level.
- Bedding layer:** 50mm Parex Granatech FBC mortar bed.
- Foundation:** 150mm C30 concrete slab and haunching (to engineers detail)
- Sub-base:** 200mm depth compacted compacted MOT Type 1 sub-base to DOT, Clause 803 (granite or limestone - recycled Type 1 not permitted) to engineers detail
- Terram 1000 geotextile membrane on proof-rolled formation level/sub-grade to engineers detail



Note:

Granite setts to be laid to finish and workmanship suitable for disabled access.

NOTES

This drawing is Copyright and shall not be produced nor used for any other purpose without the written permission of the Landscape Architects.

Do not scale from this drawing.

The Contractor is responsible for checking all dimensions on site and report any discrepancies, errors or omissions to the Landscape Architects immediately.

The Contractor shall ensure that all goods, materials and workmanship conform with current British Agreement Certificates, British Standards and Building Regulations, and ensure that all works are executed in full compliance with all current Codes of Practice and Regulations in respect of Health & Safety.

C	09-01-24	JP	TechMesh Lite shown below S3b as instructed	JP
B	28-08-24	JP	Tiger mulch reference amended to S3a and new rubber safety matting detail added as S3b	JP
A	14-05-24	MS	Details amended following Engineers comments	JP
Rev	Date	By	Description	Ckd



Drawing Status

For Planning

Project:
Hemsleys Meadows & Finches Field
Drawing Title:

Technical Details -
Surfacing [S1, S3, S4] Edging [E1]

Client:
Mid Sussex District Council

Scale:
as shown @ A2

Date:
09.03.23

Job No.:
23-739

Drawing No.:
739-358