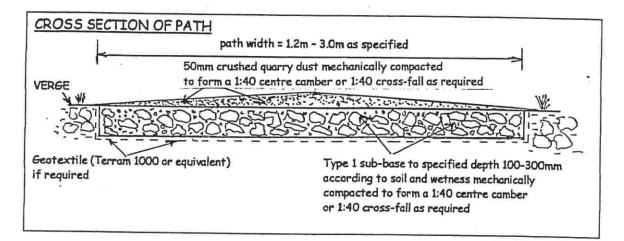
CONDITION 4

Specification 3
Aggregate Path Construction
Scale 1:20
Dawes, Hagger, Kilpatrick



SPECIFICATION:

Aim:

To create a robust foundation and well-bonded surface layer that will shed water.

Location:

As specified.

Construction:

Excavate the bed of the path to the required width & depth. Excavated material to be landscaped to the side of the path (preferred option), or removed to tip.

Path to be constructed of Type 1 sub-base to the specified depth of 100-300mm, according to proposed usage, soil and wetness.

A geotextile membrane should be used below the sub-base if required.

The sub-base should be laid and mechanically compacted to form a 1:40 centre camber, or 1:40 cross-fall as required. The tolerance is +-5mm in 3m length of path.

Water to be shed onto grass verges.

Finish:

") (

Surface to be 50mm of quarry dust not greater than 5mm, mechanically compacted to form a 1:40 camber as above.

Verges to be landscaped and graded to be level with the finished path surface. Grass should be allowed to grow, or if necessary re-seeded.

CONDITION 4

Specification 4
Aggregate Path Resurfacing
Scale 1:20
Dawes, Hagger, Kilpatrick

CROSS SECTION OF PATH

path width = 1.2m - 3.0m as specified

50mm crushed quarry dust mechanically compactedto form a 1:40 centre camber or 1:40 cross-fall as required

VERGE

existing path base stripped back

SPECIFICATION:

Aim:

To create a well-bonded surface layer that will shed water, built on the existing foundation.

Location:

As specified.

Preparation:

Scrape off all organic matter from the existing path to the required width. Regrade surface to remove high/low points.

Compact surface.

Treat to retard re-growth of weeds if necessary.

Excavated material to be landscaped to the side of the path (preferred option), or removed to tip.

Construction:

Path to be constructed of 50mm layer of crushed quarry dust, with maximum particle size 5mm.

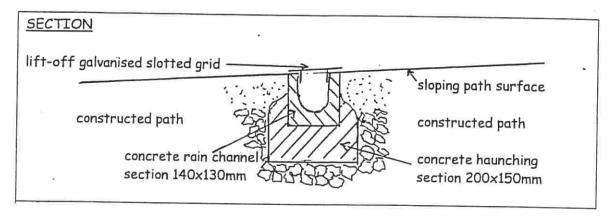
The sub-base should be laid and mechanically compacted to form a 1:40 centre camber, or 1:40 cross-fall as required. The tolerance is +-5mm in 3m length of path. Water to be shed onto grass verges.

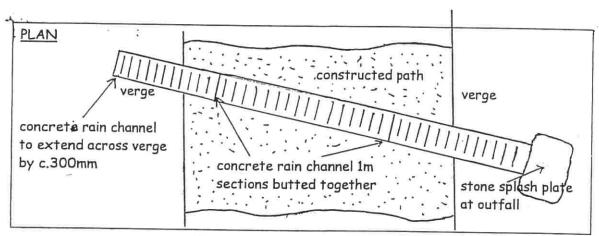
Finish:

Verges to be landscaped and graded to be level with the finished path surface. Grass should be allowed to grow, or if necessary re-seeded.

CONDITION 4

Specification 1
Concrete Rain Channel
Scale 1:10, 1:20
Dawes, Hagger, Kilpatrick





SPECIFICATION

Aim:

To divert water from the sloping path, to prevent surface erosion.

Location:

At specified intervals according to gradient.

<u>Construction</u>: Sections of concrete rain channel $1m \times 140mm \times 130mm$ are butted with male/female facings, to provide a minimum overlap of 300mm each side of path. Install stone splash plate at outfall to prevent erosion.

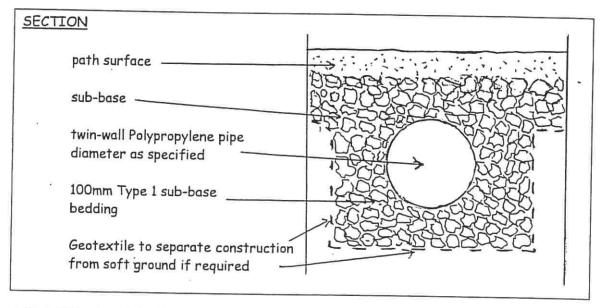
Alignment: Set concrete rain channel to fall of 5 deg, and at angle of 20 to 30 deg across path, to encourage self-cleaning.

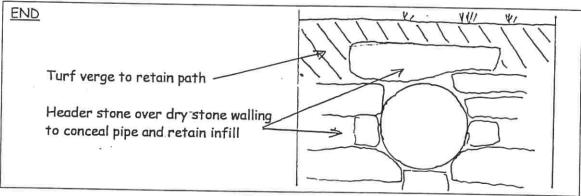
<u>Drainage:</u> Ensure that water can drain away from the concrete rain channel, into a ditch or other exit.

Finish: The top of the concrete rain channel is set flush with the path surface on both uphill and downhill sides, to ensure that it is not a safety hazard to users, and to ensure that water runs into it. The galvanised grid is removable to provide for cleaning.

LONDMON 4

Specification 2
Culvert with Pipe
Scale 1:10
Dawes, Hagger, Kilpatrick





SPECIFICATION

<u>Aim:</u> To channel water under the path, in order to transfer water from ditches or pipes on one side of the path to the other.

<u>Location:</u> Constructed in specified locations, at low points in path to disperse water away from the path.

<u>Construction:</u> Twin walled polypropylene or HDPE pipe of diameter as specified. The length of the pipe will depend on the path width and the angle to the path. The pipe should extend at least 300mm each side of the path. The pipe should be bedded on 100mm of Type 1 sub-base, and backfilled with the same material. Geotextile may be required to separate the sub-base from the surrounding ground. Stone facing around the pipe exit is required to hold in the sub-base and to conceal the pipe. The stone should be turfed over.

Alignment: The culvert pipe may be set at right angles to the path, or at an angle if appropriate. It should have a fall of 5 deg.

<u>Drainage:</u> A stone splash plate is set below the pipe to prevent scouring at the outfall.

Finish: Appropriate ditching is required to ensure water can flow away from the culvert