

Equestrian Manège Specification

Dimensions and Position

The exact position of the manège is to be decided on site prior to the start of works and will be dependent on site levels and position of the proposed drainage. The approximate position (to nearest metre) is as detailed on the site plan at a scale of 1:500. The contractor is to contact the local authority Planning Officer when the area has been pegged out and prior to the start of the groundworks if requested by LA. The finished manège is to measure 50m long by 25m wide.

General Design Criteria

Client to ensure all of contractors' works on site to comply with and meet Approval of the relevant British Standards and the Local Authority including Building Control and Planning Departments.

Order of Construction

- Topsoil to be removed to the depth required for the final design and to be left to one side. Excess topsoil to be retained for use as landscaping the base stone at the edge of the arena and landscaping as required on site.
- Site to be levelled to 50mm differential across the site, flattened and spoil re-used on site.
- Drainage channels to be excavated, lined and filled.
- Perimeter posts installed.
- Base membrane laid with lapped joints.
- Base stone laid and compacted.
- Second membrane layer laid with lapped joints.
- Chosen riding surface added to complete the construction

Drainage and Geotextile Membrane

Drainage channels to be excavated in the grass-based area draining to a new soak-away 3m x 3m x 3m. The channels should be dug into the flattened site at a minimum fall of 1 in 160. Channels to form either French drains (filled with 40mm clean stone) or to have 80/100mm perforated land drain position in the trench and then backfilled with 40mm clean stone.

Drainage channels to be lined with geotextile membrane. Membrane to extend at least a metre on either side of the drainage trench to ensure that when the base layer of membrane is laid over everything, the trenches are completely sealed from any soil which might otherwise be able to get into them and block the pores.

Drainage channels to run to new soakaway – 3m x 3m x 3m.

Fencing and Retaining Boards

Fencing to consist of 2 no. 175mm x 75mm timber fence posts at corner positions and 75mm x 125mm infill posts at 1.8m centres (6 ft to allow standard rail lengths to be used). Posts should extend 1.5m above the finished surface. 3 horizontal rails to be added as infill. Horizontal rails to be min 100mm x 38mm. 150mm x 38mm treated timber retaining boards placed vertically at ground level to retain the stone with another 150mm x 38mm treated timber retaining board above, butted up, to retain the surface. Gate posts to be 175mm x 175mm minimum – 2.4m long and to extend 1.5m above the finished surface.

Base Membrane and Topping Membrane

1 layer of heavy duty non-woven membrane (base membrane – 180GSM) to be laid over the site after drainage channels completed and under base stone with minimum lap of 1m. Membrane to extend up the retaining board and to be stapled in place. Another layer of non-woven membrane (topping membrane – 180 GSM) to be laid on top of base stone layer with min 1m lap, stapled half way up upper retaining board.

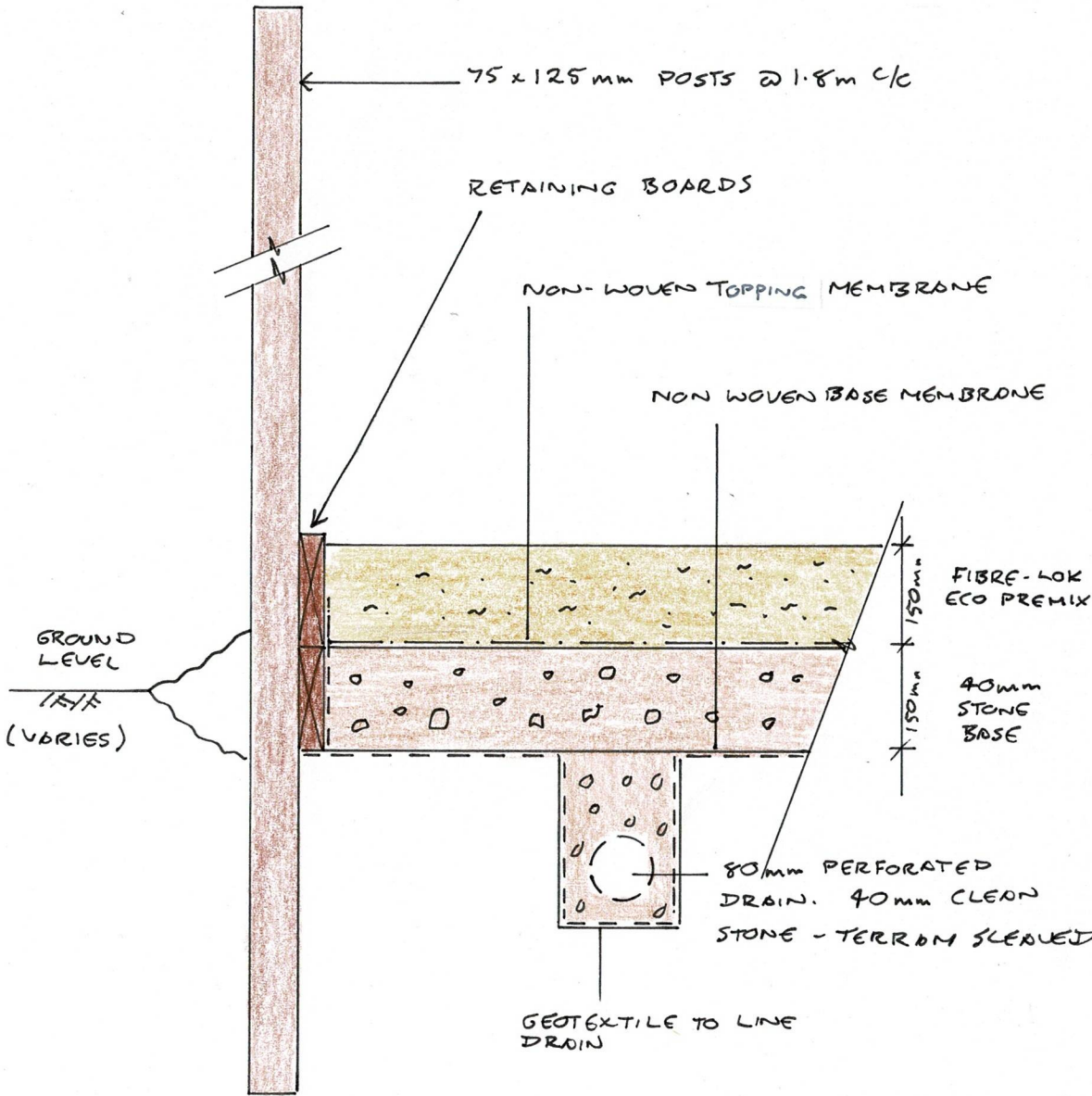
Base Stone

150mm min clean 40mm stone (preferably granite or dolerite) placed against retaining board on top of membrane to leave a level surface (25mm level tolerance across site).

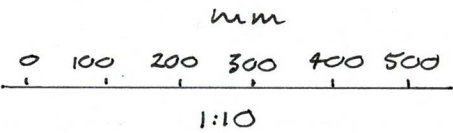
Manège Surface

All weather riding surface to be laid in accordance with manufacturers details to be depth to cover membrane fixed vertically to retaining board i.e. min of 75mm, but generally to a depth of 150mm. Surface to be Fibre-Lok Eco Premix to a depth of 150mm.

This drawing has been prepared for Planning Permission purposes and should be read in conjunction with all the drawings in the series 2025/387/01-05, the Design and Access Statement and Ecological Reports. All dimensions and setting out to be confirmed on site and any discrepancies reported to the designer.



Typical Build-up 1:10



Scheme – Construction of Equestrian Manège and Associated Fencing

**Address – East Hall Farmhouse,
St Pauls Walden, Hitchin, SG4 8DL**

Date – July 2025
Scale – 1:10 @ A3
Drawing Ref – 2025/387/04 – specification

By **Dorli Newbery** BEng(Hons) - 07946584925
dorlinewbery@btinternet.com

Sheet 4 of 5

Dorli and Daughter
Equine Planning