

Customer: Drainnovation®

Project: Equestrian Arena Drainage

Drawing Title: SUDS Compliant Vertical Drainage

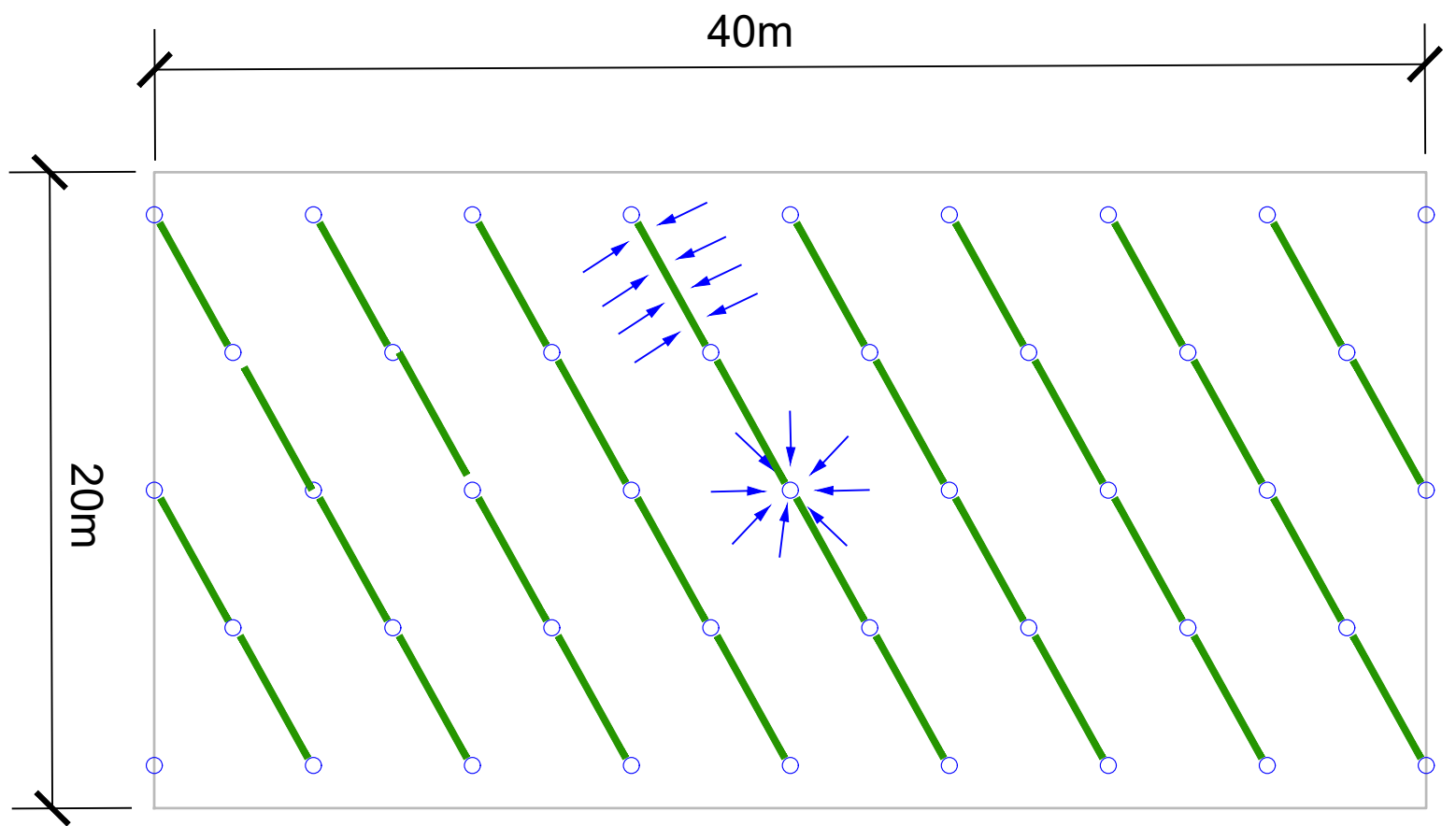
Drawn By: GW	Date: 12.11.22	Scale: NTS	Drawing No: ED_V	Rev. No: A
--------------	----------------	------------	------------------	------------

© Copyright Drainnovation®. 2022. All rights reserved.



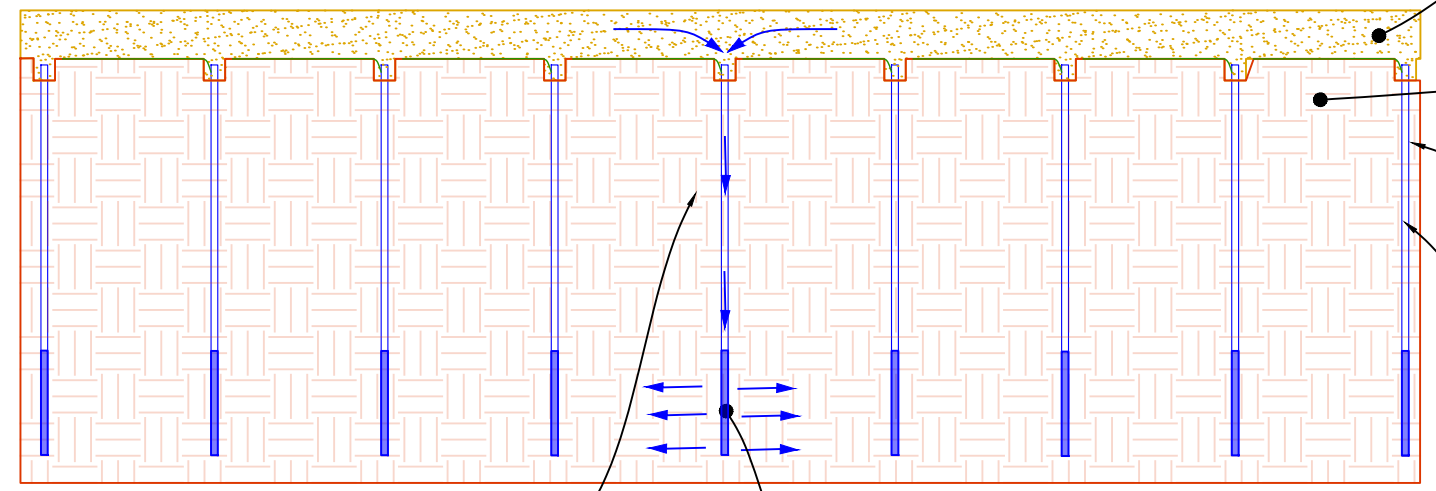
This is a typical layout only. Contact Drainnovation for a site survey and detailed plan tailored to your site and ground conditions.

### Layout Plan



- Vertical Draitubes in 3-5m triangular grid to depth of 4-10m dependent on ground conditions. Installation by hand auger or percussion/rotary drill according to depth and ground conditions
- Horizontal Drainbelt laid on sub-soil

### Cross Section



- Working surface
- Existing sub-soil
- Vertical Draitube to depth of 4-10m depending on site
- Cavity in vertical drain attenuates high intensity rainfall

Downward flow in Draitube capillaries creates siphonic suction, drawing water out of the working surface

Gravity head of water in vertical drain pushes water into sub-soil

No gravel, no geotextile and no soakaway required.