



21st Century Solutions for Sports Turf



Hydrowick Drainage Method Statement

- Strip turf in location of outfall trench and place out of way ready for re-use if appropriate.
- Excavate outfall trenches to 600mm minimum depth, 225mm wide with minimum 1/100 fall.
- Verti-Drain greens to a depth of approx. 200mm as appropriate with either 12mm or 18mm solid tines if required. (summer installations)
- Water greens appropriately if required (green should be consistently moist - wet in soil profile)
- Set out PCD elements and cut to desired length and spacing.
- Install PCD elements away from empty trench at approx. 250 - 300mm depth with sand curtain installed to surface.
- Blow and remove excess sand from PCD void to a depth of approx. 20-30mm from surface.
- Roll PCD trench lines as appropriate with tractor tyre and heavy roller.
- Clean base of outfall drainage trench of any excess debris created during PCD installation, place arisings at edge of trench for disposal.
- Install outfall drainage carrier pipe including junctions, flushing point & end caps where required.
- Drill holes in carrier pipe and insert PCD element and secure.
- Backfill outfall drainage trench with 4-10mm shingle / 200mm of rootzone cover / consolidate, prepare then re-turf to complete.

Ongoing considerations after installation – Green staff

- Frequent light and shallow aeration, either hollow core or solid tine as appropriate, coupled with rolling after installation to encourage settlement of lines, fortnightly or three weekly intervals until full settlement has been achieved. The aeration adds air and small voids to the top profile, which allows for and encourages faster settlement of the green surface.
- Further rolling of PCD drainage lines with greens roller or road roller as required, avoid rolling at 90 degrees to the lines until full settlement / recovery has been achieved, avoid rolling during periods of heavy rainfall.
- Adjust height of cut on mowing equipment as required until full settlement has occurred.
- Encourage re-growth of turf over PCD element lines with granular / foliar fertiliser applications as required.
- Avoid frequent brushing of green until full recovery has been achieved, this discourages lateral turf growth over any voids.
- Apply appropriate Irrigation if required to ensure the PCD lines do not re-open or crack.
- Future verti draining of green is to be encouraged but should be limited to a depth of 200mm.
- Continue with regular renovation works to the green such as solid tining, hollow – coring, top dressing etc, which will keep the PCD working at its optimum.
- Flush main outfall drains from flushing point provided once a year to disperse and cleanout silt build up in pipe, verify outfall is still operational.