

TURF DRAIN INSTALLATION SPECIFICATIONS

1.0 General: As a part of the golf course construction or renovation, select drainage components shall be installed in accordance with the following Specifications, Details, and/or Drawings. Turf Drain™ as manufactured and supplied by The Turf Drainage Company of America (TDA) of New Orleans, Louisiana (800-999-2794) shall be the seepage drainage product utilized. All work described in these Specifications shall be completed by the Contractor.

1.1 Installation of Turf Drain: Drainage locations and patterns shall be determined in the field by the Architect and or Owner's Representative. The Turf Drain material must be installed in ditches a minimum of 5" in width with a positive slope of a minimum of .5% maintained in the ditch. It is recommended that the Turf Drain uses relief points that are 24" deep. Minimum depth of any lateral trench is 18". Upper ends of the Turf Drain lines must be properly sealed with tape to prevent contamination from entering the system. Additionally, all lateral connections must be made with Turf Drain Lateral Connectors and properly taped. All Turf Drain lines are to be backfilled completely with approved sand, generally a material with minimal silt and clay with a saturated hydraulic conductivity rate of 30+" per hour. During the sand backfill process, it is acceptable to place the Turf Drain in the center of the trench, or as an alternative installation method to save labor; the contractor may place the Turf Drain against alternating walls. The contractor may pin the Turf Drain against alternating walls with sand, approximately every 5 to 8 feet. This procedure will assure that the Turf Drain material will have a sufficient amount of area where the sand is on both sides of the material. Once the material has been pinned against the walls the trench can be backfilled. It is recommended that a TyCrop or another type of conveyor type material handler be used for this purpose. This will save labor versus trying to keep the Turf Drain standing up vertically in the center of the trench throughout the installation. The sand shall be compacted both mechanically and hydraulically to 6" below grade. The top 6" of the trench may be filled in a variety of ways depending on the installation. On projects that will be sprigged or seeded; the top 6" of the trench should be filled with a mix that has moisture retention of 15-18%. It is acceptable during the final grading process for native soil to intermix with this backfill material. On sand capped properties it is acceptable for the material that is being used in the sand capping process to be used at the top of the trench to the same depths as the overall sand cap. On projects where sod is being removed prior to the drainage installation and replaced after the installation; the mix should be placed in the top 6" of the trench prior to replacing the sod.

1.2 Connection of Turf Drain to Outfall: Turf Drain lines shall be extended into a suitable connection point that allows free relief such as drain basins or solid drain lines or bodies of water. Connections into HDPE type drain lines shall be made with adapter fittings as supplied by The Turf Drainage Company of America.