

4.0 BASIC SPECIFICATIONS FOR A CATEGORY 1 FIELD

4.1 Preamble. The specifications provided in Section 4 form the basis for the construction of all categories of fields. The adjustments to these specifications required for the construction of a Category 2, 3, 4 and 5 field are outlined in Sections 5, 6, 7 and 8, respectively.

4.2 Site Grading

4.2.1. Related Sections

- (a) Section 4.3 *Site Drainage*
- (b) Section 4.4 *Root Zone Material & Fine Grading*
- (c) Section 4.5 *Irrigation*

4.2.2 Site Awareness. The Contractor shall make himself aware of all utilities and their location prior to commencement of work on the site.

4.2.3 Contractor's Site Responsibilities

- (a) The Contractor shall prevent damage to fencing, trees, landscaping, existing pavement, surface or underground utility lines which are to remain and make good any damages to these items disturbed during construction.
- (b) The Contractor shall be responsible for the cleaning of roads, sidewalks and other surfaces both on and off the site resulting from mud tracking or other causes.
- (c) The Contractor shall be responsible for dust control during the construction phase.
- (d) Unless otherwise specified the Contractor shall not disturb soil within the canopy of trees or shrubs that are to remain.

4.2.4 Materials

- (a) The Contractor shall obtain approval for the use of excavated material as fill for grading work and shall protect approved material from contamination.
- (b) The Contractor shall obtain approval of all material imported to the site for the purpose of site grading.

4.2.5 Execution

4.2.5.1 Site Grading

- (a) *Grade Tolerance.* Rough grade to levels, profiles and contours to a grade tolerance of +/- 25 mm.
- (b) *Depth From Finished Grade.* Rough grade to 450 mm below finished grade unless otherwise specified.

(c) *Compaction of Subgrade.* Fill and disturbed areas shall be compacted to a Standard Procter density of 95%.

(d) *Slope.* The final grade on the subgrade shall have a 0.5% slope from centre field to side lines.

4.2.5.2 Testing

(a) *Designation of Testing Lab.* Inspection and testing of soil compaction shall be carried out by an engineering testing laboratory designated by the Owner or his representative.

(b) *Acceptance of Results.* Acceptance of grades and soil compaction are by the Owner or his representative and are subject to the test results.

(c) *Costs.* Assignment of costs of grade checks and laboratory tests shall be agreed to by the Owner or his representative and the Contractor prior to the start of construction.

4.2.5.3 Surplus Material. The Contractor shall be responsible for the removal of all surplus material and material unsuitable for fill, grading or landscaping from the site.

4.3 Site Drainage

4.3.1 Related Sections

- (a) Section 4.2 *Site Grading*
- (b) Section 4.4 *Root Zone Material & Fine Grading*
- (c) Section 4.5 *Irrigation*

4.3.2 Protection

4.3.2.1 Contractor's Responsibilities. The Contractor shall make himself aware of all utilities above and below grade on the site and their location when installing both irrigation and drainage lines to prevent damage to existing systems. The Contractor shall be familiar with drainage systems and materials related to plant growth.

4.3.2.2 Catch Basins & Manholes. The Contractor shall ensure that all manholes or catch basins are located at least 10 m from the side lines or end zone of the playing surface.

4.3.2.3 Drawings. The Contractor shall provide and keep up to date a set of as-built drawings which shall show the final size, spacing, depth and material for each drainage line. These drawings shall accurately (+/-150 mm) delineate the position, with reference to a fixed reference point, of each lateral and main drainage line. These drawings should be provided in GPS electronic format.

4.3.3 Materials

4.3.3.1 Drainage Pipe