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## **SYNTHETIC TURF STANDARDS**

In addition to any and all applicable landscape and zoning standards, the following standards shall apply to the installation of synthetic turf:

- (1) Installation of synthetic turf shall be performed by a contractor with a valid contractor's license. The contractor shall also have all permits and licenses necessary to conduct business in the City.
- (2) The synthetic turf shall have a minimum blade length (pile height) of 1½ inches.
- (3) Synthetic turf shall have a minimum percolation rate of 30 inches/hour per ASTM F1551.
- (4) The turf area shall be leveled, with a crushed stone sub base (such as decomposed granite) added to establish a foundation and facilitate drainage for the turf. The stone sub base shall be a minimum of 3 inches in depth and be compacted to ensure proper drainage.
- (5) A permeable geotextile (weed barrier) must be provided to prohibit the growth of weeds. This barrier may either be incorporated into the synthetic turf or be installed as a separate layer.
- (6) The synthetic turf shall be securely fastened to the ground. Seams shall be glued and stapled to minimize tears. The synthetic turf should be placed in patterns that emulate real grass.
- (7) An infill consisting of sand and rubber must be poured into the synthetic turf to keep the blades erect and to provide a natural feel and look.
- (8) All existing sprinkler systems (piping, valves, and sprinkler heads) no longer in use must either be capped or removed. All existing landscaping must be removed where the synthetic turf will be located and a minimum of 3 inches of soil excavated.
- (9) Synthetic turf shall be separated from flower beds, vegetated areas, and adjacent natural turf by a 6-inch concrete mow strip, bender board, treated lumber, or other barriers acceptable to the City in order to prevent intrusion of living plant material into the synthetic turf.
- (10) The synthetic turf must be maintained at all times. Rips and/or tears, holes, seam separations and uplifted surfaces should be repaired in a timely manner as required by Section 41-609 of the Santa Ana Municipal Code.