EverGreen Turf Solutions LLC

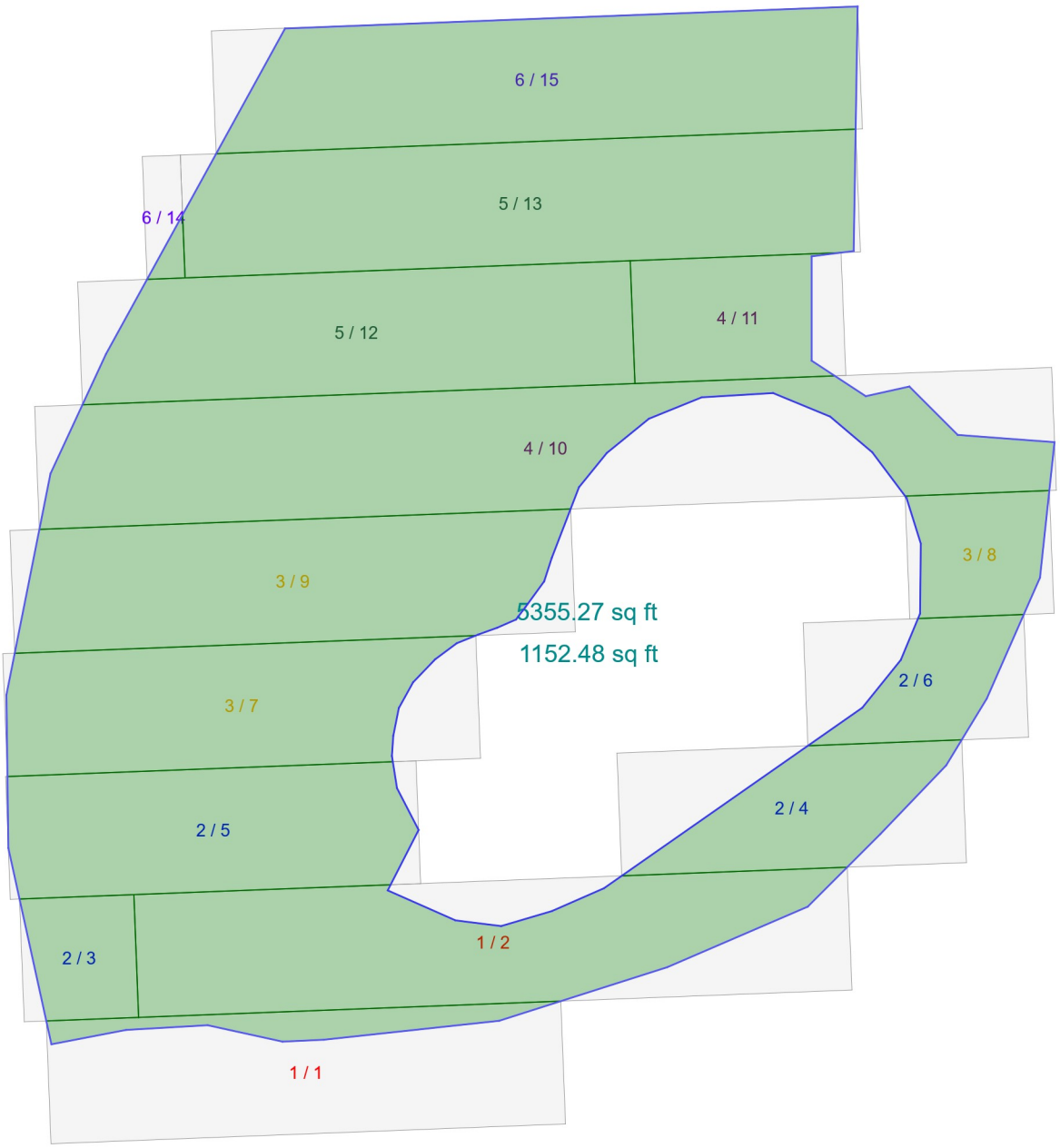
Premium Artificial Turf Installation

Technical datasheet

Artificial grass laid around a private pool

Client: Michael Anderson
Designer: Ryan Mitchel
Date: 31/07/2026

Technical drawing



Parameters

Roll width: 10.000 ft

Roll length: 100.000 ft

Minimum roll length: 15.000 ft

Side trimming: 0.000 in

Spacing between nails at joints: 3.000 ft

Spacing between nails at perimeter: 3.000 ft

Tape width at joints: 5.000 in

Tape width at perimeter: 5.000 in

Glue yield: 0.500 lbs/ft^2

Angle: 87.797 degree

Translation: 8.366 ft

Results

Perimeter: 432.920 ft

Area: 4202.792 sq ft

Number of rolls: 5.557

Number of nails in the joints: 145.000

Number of nails in the perimeter: 144.000

Joint tape: 435.456 ft

Perimeter tape: 432.920 ft

Joint glue: 90.718 lbs

Perimeter glue: 90.190 lbs

Scrap area: 1201.459 sq ft (22.23%)

Cost estimate

Currency: USD - United States Dollar

	Description	Unit price	Quantity	UoM	VAT	Amount
1	Synthetic grass in polyethylene	$ 1.50	5404.24	sq ft	10	$ 8,917.00
2	Non-woven fabric	$ 0.20	4202.77	sq ft	10	$ 924.61
3	Glue	$ 0.12	180.91	lbs	10	$ 23.88
4	Nails	$ 0.12	289.00	pcs	10	$ 38.15
5	Ground preparation	$ 1.00	4202.77	sq ft	10	$ 4,623.05
6	Laying non-woven fabric sheet	$ 0.50	4202.77	sq ft	10	$ 2,311.52
7	Laying gravel drainage layer	$ 0.50	4202.77	sq ft	10	$ 2,311.52
8	Laying synthetic grass rolls	$ 0.50	4202.77	sq ft	10	$ 2,311.52

Total taxable amount:	$ 19,510.23
VAT:	$ 1,951.02
Total amount:	$ 21,461.25

Technical Report

Poolside Turf Installation — Technical Report

[TLD-2026-014] · [Scottsdale, AZ] · 1,959 sq ft of turf · [March 2026]
Freeform pool set in a xxxx sq ft garden; the pool and coping account for xxxsq ft, leaving xxxx sq ft of turf running to the water's edge on three sides. Perimeter captured with a Moasure ONE and imported as CSV — the curve needed 42 points, which a tape survey could not have matched for accuracy or speed.

The layout calls for xxx rolls at 15 ft width, with the pile running away from the house and every cut templated against the coping so that no seam falls in the patio sightline. Waste comes to 20% unavoidable on a shape with no straight edges, where each roll has to be cut to a curve on at least one side.