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| Title | Survey a sports turf area | | |
| Level | 4 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: describe the application of common surveying terms and sports turf surface measuring equipment; set out a sports turf area from a sports turf technical drawing specification; measure and calculate the area of a sports turf surface; and measure and calculate the slope and grade of a sports turf area or drain. |
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| Classification | Sports Turf > Sports Turf Construction and Drainage |
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| Available grade | Achieved |
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Definition
Workplace procedures – the procedures and standards set by the client or employing organisation for staff motivation and direction, and work outcomes. Workplace procedures should reflect equipment manufacturer’s requirements, and current legislation.
- 3 For the purposes of assessment:
 - evidence must be presented in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe the application of common surveying terms and sports turf surface measuring equipment.

Performance criteria

- 1.1 Describe the application of common surveying terms.

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| Range | scale, offset, contour, contour interval, orientation, benchmark, spot height, reduced level, invert level, triangulation, right angles, Global Positioning System (GPS). |
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- 1.2 Describe types of sports turf surface measuring equipment in terms of their uses and applications.

Range four of – measuring wheels, tapes, electronic distance meters, optical square, ranging rods, GPS and software applications.

Outcome 2

Set out a sports turf area from a sports turf technical drawing specification.

Performance criteria

- 2.1 Locate the site in accordance with a sports turf technical drawing
- 2.2 Set site pegs at height in accordance with a sports turf technical drawing.

Outcome 3

Measure and calculate the area of a sports turf surface.

Performance criteria

- 3.1 Select measuring equipment appropriate for calculating the area of a sports turf surface.
- Range two of – measuring wheels, tapes, electronic distance meters, optical square, ranging rods, GPS and software applications.
- 3.2 Calculate area by application of formulae to measurements.

Outcome 4

Measure and calculate the slope and grade of a sports turf area or drain.

Performance criteria

- 4.1 Select equipment appropriate for measuring the slope and grade of a sports turf surface.
- Range two of – laser level, dumpy-type level, builder's level, staff, measuring wheels, tapes, electronic distance meters.
- 4.2 Calculate slope and grade of a sports turf area or drain by application of formulae to measurements.

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| Planned review date | 31 December 2025 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1 | 4 August 1995 | 31 December 2019 |
| Revision | 2 | 4 August 1995 | 31 December 2019 |
| Revision | 3 | 16 September 1996 | 31 December 2019 |
| Revision | 4 | 10 December 1997 | 31 December 2019 |
| Revision | 5 | 8 June 1999 | 31 December 2019 |
| Review | 6 | 15 December 2000 | 31 December 2019 |
| Revision | 7 | 12 January 2006 | 31 December 2019 |
| Review | 8 | 17 October 2008 | 31 December 2019 |
| Review | 9 | 25 January 2018 | 31 December 2023 |
| Review | 10 | 24 June 2021 | N/A |

Consent and Moderation Requirements (CMR) reference

0052

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.