

## OBTRUSIVE LIGHT - COMPLIANCE REPORT

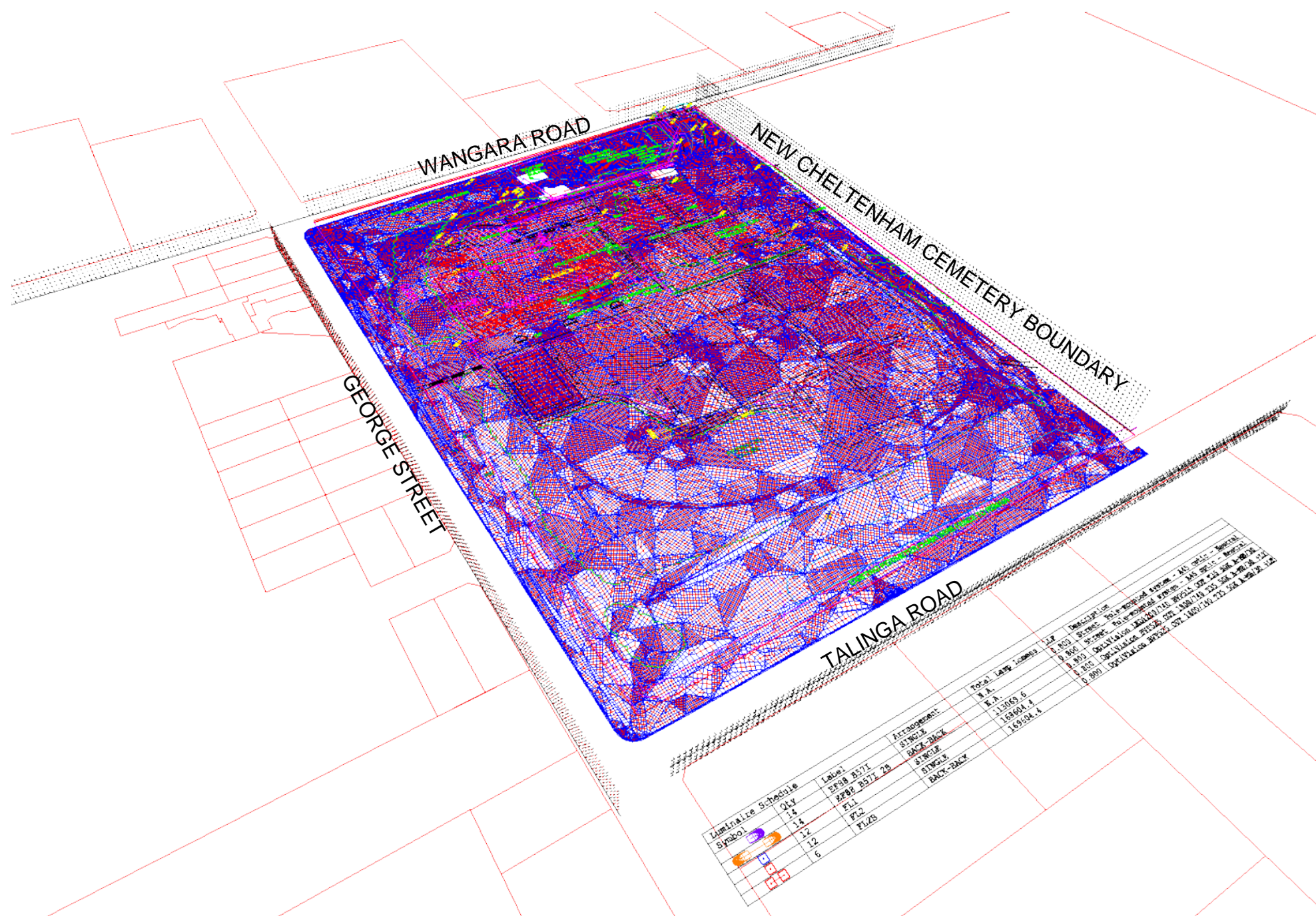
THIS STUDY WAS CONDUCTED TO COMPLY WITH THE AUSTRALIAN/ NEW ZEALAND STANDARD AS/NZS 4282 ON CONTROL OF OBTRUSIVE EFFECTS OF OUTDOOR LIGHTING.

FOR THE PURPOSE OF THIS STUDY, THE VERTICAL CALCULATION POINTS WERE PLACED ALONG THE RESIDENTIAL AND COMMERCIAL PROPERTY BOUNDARIES SURROUNDING THE SANDRINGHAM NETBALL FACILITY, AND SPACED 2m x 2m APART.

TWO COMPLIANCE REPORTS WERE RUN: A PRE-CURFEW OBTRUSIVE LIGHT - COMPLIANCE REPORT & A POST-CURFEW OBTRUSIVE LIGHT - COMPLIANCE REPORT.

THE PRE-CURFEW OBTRUSIVE LIGHT - COMPLIANCE REPORT WAS CALCULATED CONSIDERING ALL LIGHTS ON AT 100% (NO DIMMING). THAT INCLUDES NETBALL COURTS AND CAR PARKS (EXCLUDES FUTURE PAVILION PERIMETER LIGHTING).

THE POST-CURFEW OBTRUSIVE LIGHT - COMPLIANCE REPORT WAS CALCULATED CONSIDERING ALL LIGHTS ON AT 100% (NO DIMMING). THAT INCLUDES CAR PARKS ONLY (EXCLUDES FUTURE PAVILION PERIMETER LIGHTING). NETBALL COURT LIGHTING WILL NOT BE OPERATIONAL DURING POST-CURFEW HOURS. NOTE THAT DIMMING WILL BE UTILISED FOR THE CAR PARK LIGHTING FOR ENERGY MANAGEMENT, DUE TO LOW AFTER-HOURS USAGE.







PRE-CURFEW OBTRUSIVE LIGHT - COMPLIANCE REPORT

- Pre-Curfew, Residential - Light Surrounds, & Commercial

WANGARA ROAD:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 10 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 1.3 LUX
- TEST RESULTS: **PASS**

GEORGE STREET:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 10 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 4.2 LUX
- TEST RESULTS: **PASS**

TALINGA ROAD:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 10 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 1.3 LUX
- TEST RESULTS: **PASS**

NEW CHELTENHAM CEMETERY BOUNDARY:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 25 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 8.1 LUX
- TEST RESULTS: **PASS**





POST-CURFEW OBSTRUSIVE LIGHT - COMPLIANCE REPORT

- Post-Curfew, Residential - Light Surrounds, & Commercial

WANGARA ROAD:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 2.0 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 1.2 LUX
- TEST RESULTS: **PASS**

GEORGE STREET:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 2.0 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 0.2 LUX
- TEST RESULTS: **PASS**

TALINGA ROAD:

- PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 2.0 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 0.1 LUX
- TEST RESULTS: **PASS**

NEW CHELTENHAM CEMETERY BOUNDARY:

- CEMETERY IS CONSIDERED TO BE COMMERCIAL LIGHTING ZONE, PROPERTY BOUNDARY ILLUMINANCE MAXIMUM ALLOWABLE VALUE: 4.0 LUX
- CALCULATED MAXIMUM ILLUMINANCE VALUE: 7.0 LUX
- TEST RESULTS: **FAIL\***

\* DIMMING OF THE CAR PARK LIGHTING WILL BE APPLIED FOR ENERGY MANAGEMENT AND SPILL LIGHT CONTROL.