



## VEHICLE SWEEP PATH NOTES

### GENERAL

- VEHICLE SWEEP PATHS ARE UNDERTAKEN USING AUTODESK VEHICLE TRACKING SOFTWARE.
- B85 AND B99 VEHICLE TEMPLATE SPECIFICATIONS ARE PROVIDED IN AS 2890.1.
- SRV, MRV, HRV AND AV VEHICLE TEMPLATE SPECIFICATIONS ARE PROVIDED IN AS 2890.2.
- BRONTO SKYLIFT AND P94 PUMPERS VEHICLE TEMPLATES ARE BUILT FROM VEHICLE SPECIFICATION PROVIDED BY THE ACT EMERGENCY SERVICES AGENCY.
- DESIGN SPEED FOR ALL VEHICLES IS 5km/h UNLESS OTHERWISE NOTED.
- VEHICLE SWEEP PATHS PROVIDED A PROOF OF CONCEPT FOR THE DESIGN ONLY. THE ABILITY OF A DESIGN TO ACCOMMODATE THE VEHICLE SWEEP PATH DOES NOT GUARANTEE THE COMPLIANCE OF THE DESIGN TO THE RELEVANT STANDARDS.

### B85 & B99 CLEARANCE REQUIREMENTS

- MANOEUVRING CLEARANCE - VEHICLES MANOEUVRING WITHIN PARKING AISLE OR INTO PARKING SPACES REQUIRE 0.3m CLEARANCE ON BOTH SIDES OF THE VEHICLE BODY.
- CIRCULATION CLEARANCE - VEHICLES CIRCULATING WITHIN ACCESS OR CIRCULATION ROADWAYS, CIRCULATION AISLES AND ON RAMP REQUIRE 0.3m CLEARANCE ON ONE SIDE ONLY OF THE VEHICLE BODY.
- CLEARANCE REQUIREMENTS AS ABOVE ARE DEFINED IN AS 2890.1.

### SRV, MRV, HRV, AV CLEARANCE REQUIREMENTS

- LOW SPEED MANOEUVRES - VEHICLE MANOEUVRES INTO OR OUT OF SERVICE BAYS OR LOADING DOCKS REQUIRE 0.3m CLEARANCE ON BOTH SIDES OF THE VEHICLE BODY.
- HIGH SPEED CORNERING MANOEUVRES - VEHICLE MANOEUVRES WITHIN ACCESS OR CIRCULATION ROADWAYS, CIRCULATION AISLES AND ON RAMP REQUIRE 0.3m CLEARANCE ON THE INSIDE OF THE CORNER AND 0.6m ON THE OUTSIDE OF CORNER TO THE VEHICLE BODY. VEHICLE MANOEUVRES ON THE STRAIGHT REQUIRE 0.3m ON BOTH SIDES OF THE VEHICLE BODY.
- PASSING VEHICLES - VEHICLES PASSING REQUIRE 0.3m CLEARANCE ON THE OUTSIDE OF BOTH VEHICLES BODIES, WITH 0.9m CLEARANCE BETWEEN VEHICLE BODIES.

### SWEPT PATH DESIGN STANDARDS

- ALL PARKING HAS BEEN DESIGNED IN ACCORDANCE WITH RELEVANT SECTIONS OF AS2890.
- THE FOLLOWING DESIGN VEHICLES HAVE BEEN UTILISED IN THE DESIGN OF THE FOLLOWING CARPARK LOCATIONS, IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B:
  - B85
    - ENTRY TO PARKING SPACES
    - MANOEUVRES IN PARKING AISLES
  - B99
    - ACCESS DRIVEWAYS
    - RAMP
    - CIRCULATION ROADWAYS
- PARKING SPACE WIDTHS ARE DERIVED FROM THE BASE DIMENSION OF A B85 VEHICLE PLUS A DOOR OPENING WIDTH, BASED ON THE REQUIRED LEVEL OF SERVICE, AS NOTED IN TABLE 1.1 OF AS2890.1:2004.
- REVERSE IN ONLY PARKING SPACES ARE RESTRICTED TO RESIDENTIAL PARKING ONLY.
- IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B SECTION B4.4, "SWEPT PATHS ARE NOT SUITABLE FOR DETERMINING THE AISLE WIDTH NEEDED FOR MANOEUVRING IN AND OUT OF PARKING SPACES. DRIVERS CAN MANOEUVRE VEHICLES WITHIN SMALLER SPACES THAN SWEEP PATH TURNING PATHS WOULD SUGGEST."
- PARKING AISLES IN AS2890.1 HAVE BEEN DETERMINED THROUGH ONSITE FIELD STUDY.
- IN ACCORDANCE WITH AS2890.1:2004 APPENDIX B SECTION B4.8, PARKING AISLE REDUCTION HAS BEEN MADE FOR RESIDENTIAL AND DOMESTIC CAR PARKS (CLASS 1A) AS THESE DEVELOPMENTS HAVE LOW TURNOVER AND USERS ARE GENERALLY PREPARED TO ACCEPT SOME INCONVENIENCE WHEN ENTERING OR LEAVING THE PARKING SPACE.
- FIELD TESTS HAVE SHOWN THAT MOST VEHICLES LARGER THAN THE B85 WILL NEED TO MAKE A 3-POINT TURN IF THE MANOEUVRING SPACE IS THE MINIMUM ALLOWABLE, WITH SOME LARGER VEHICLES (B99) NEEDING TO MAKE A 5-POINT TURN.

NOT FOR CONSTRUCTION

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				Architecture:	Engineer:	Project:	Drawing Title:	Scale at A1	Drawn	Designed	Approved
						WATSON HEALTH HUB	VEHICLE TURNING PATHS		EM		CP
						BLOCK 1 SECTION 84	NOTES AND LEGEND	Project No	Originator	Zone	Rev
						WATSON, ACT		229014-TTW-00-DR-CI-11001-C			
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STH

TTW

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Structural

Civil

Traffic

Façade