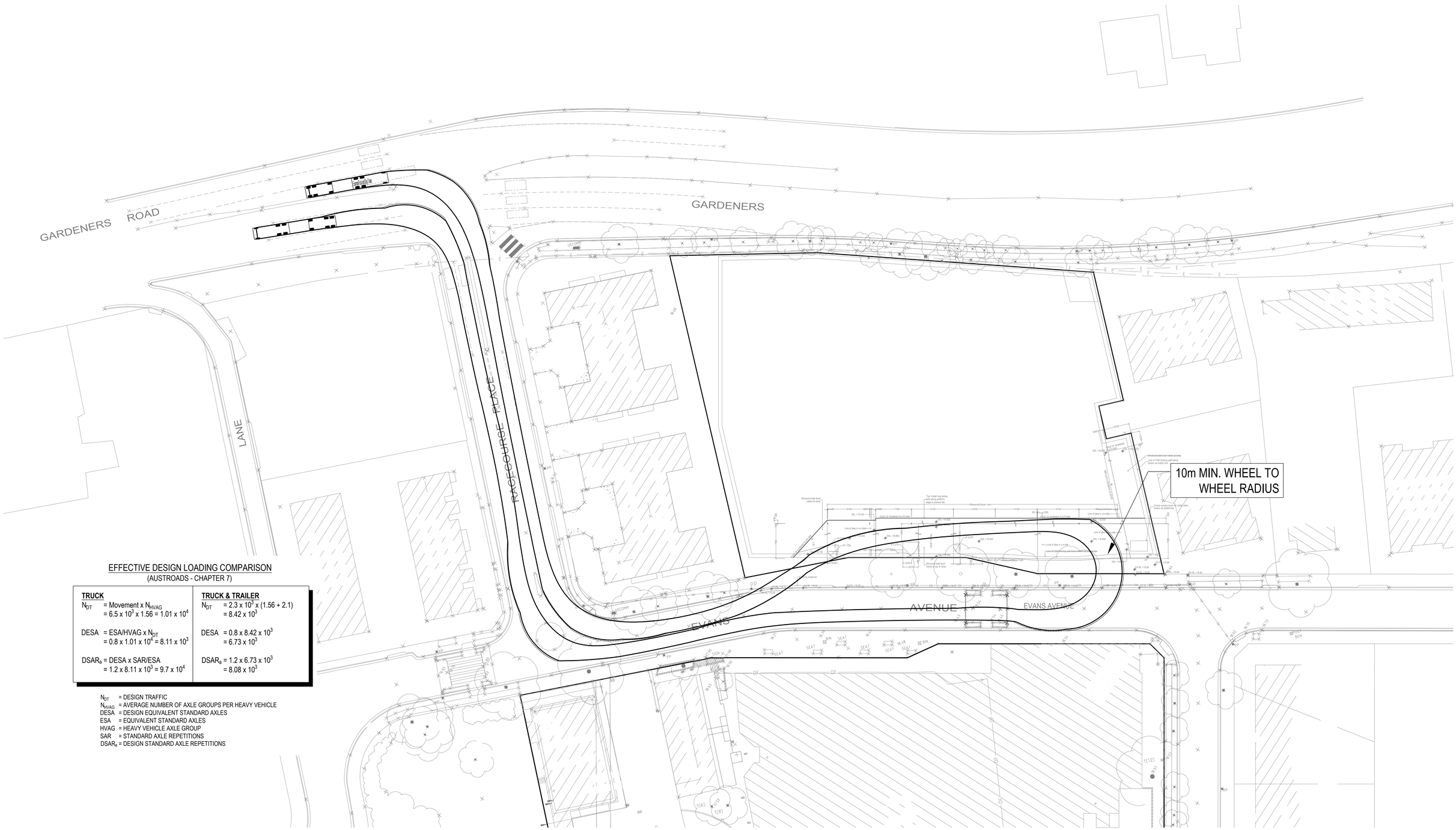

EFFECTIVE DESIGN LOADING COMPARISON

(AUSTROADS - CHAPTER 7)

TRUCK	TRUCK & TRAILER
N_{DT} = Movement x N_{HVAG} = $6.5 \times 10^3 \times 1.56 = 1.01 \times 10^4$	N_{DT} = $2.3 \times 10^3 \times (1.56 + 2.1)$ = 8.42×10^3
DESA = ESA/HVAG x N_{DT} = $0.8 \times 1.01 \times 10^4 = 8.11 \times 10^3$	DESA = $0.8 \times 8.42 \times 10^3$ = 6.73×10^3
$DSAR_a$ = DESA x SAR/ESA = $1.2 \times 8.11 \times 10^3 = 9.7 \times 10^4$	$DSAR_a$ = $1.2 \times 6.73 \times 10^3$ = 8.08×10^3

N_{DT} = DESIGN TRAFFIC
N_{HVAG} = AVERAGE NUMBER OF AXLE GROUPS PER HEAVY VEHICLE
DESA = DESIGN EQUIVALENT STANDARD AXLES
ESA = EQUIVALENT STANDARD AXLES
HVAG = HEAVY VEHICLE AXLE GROUP
SAR = STANDARD AXLE REPETITIONS
$DSAR_a$ = DESIGN STANDARD AXLE REPETITIONS

PLAN

SCALE 1:400

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
A	FOR INFORMATION	RB	24.10.17

SCALE BAR

0 10 20 30 40m

SCALE 1:400

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N

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PROJECT TITLE
EASTLAKES CENTRE - NORTHERN SITE
GARDENERS ROAD
EASTLAKES, NSW 2018

DRAWING TITLE
19m TRUCK & DOG TRAILER
TURNING PATH

DRAWING STATUS
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
RJB	NT		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
NT	AS SHOWN	OCT 2015	A1
JOB No.		DRAWING No.	REVISION
SY151-030		SK21	A