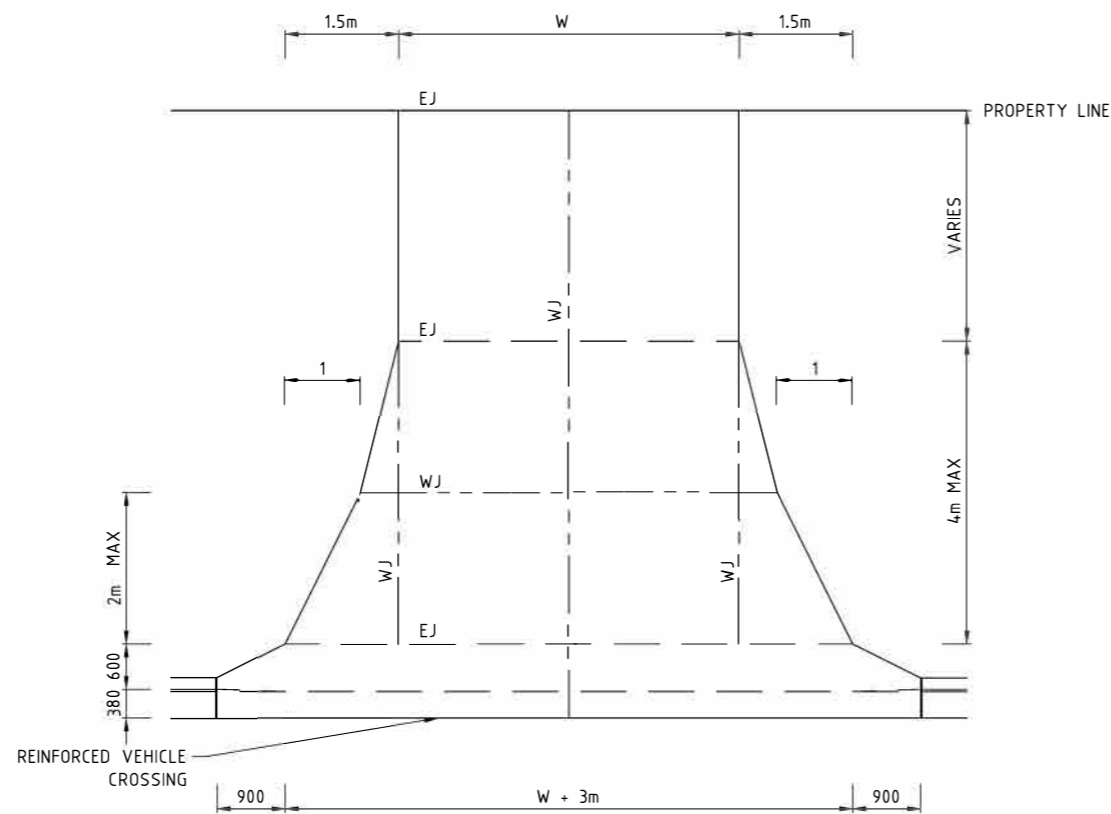


**DRIVEWAY TYPE HD2 FOR USE WITH DEVELOPMENTS OF MORE THAN EIGHT TOWNHOUSES / UNITS OR COMMERCIAL PROPERTIES**



**DRIVEWAY TYPE HD1 FOR USE WITH DEVELOPMENTS OF FOUR TO EIGHT TOWNHOUSES / UNITS OR CARPARKING AREAS**

**DESIGN NOTES:**

1. REFER TO DRAWING ACTSD-0000 FOR GENERAL NOTES.
2. EXPANSION JOINTS (EJ) SHALL BE LOCATED MAX 4m FROM VEHICULAR CROSSINGS AND AT 15m ELSEWHERE.
3. WEAKENED PLANE JOINTS (WJ) SHALL BE LOCATED AT 3m MAX CENTRES ON INDUSTRIAL DRIVEWAYS.
4. HEAVY DUTY DRIVEWAYS TO BE GRADED LONGITUDINALLY AT A MAX OF 10% AND MATCHED TO PATH LEVELS AND GRADES WHERE APPLICABLE. ALLOWANCE TO BE MADE FOR FUTURE PATH WHERE NONE EXIST.
5. DRIVEWAYS TO BE CONSTRUCTED AT 90 DEGREES TO THE KERB LINE WHEREVER POSSIBLE. WHERE NECESSARY, A MAX SKEW OF 1:10 IS POSSIBLE.
6. DRIVEWAYS NOT TO BE CONSTRUCTED CLOSER THAN 1.2m TO ANY ENGINEERING SERVICE SUCH AS SUMP, LIGHT POLE ETC., AND NOT CLOSER THAN 1.5m TO ANY ACTEW SUB-STATION.
7. THE ENTRY MUST ALWAYS BE ON THE LEFT HAND SIDE OF THE EXIT. WHERE ENTRY AND EXIT ARE SEPARATED, THEY SHOULD BE SIGNPOSTED ACCORDINGLY.
8. WHEN USING TYPE HDR DRIVEWAY, OPTION "A" IS PREFERRED ON TRAFFIC AND PEDESTRIAN SAFETY GROUNDS. (REFER TO ACTSD-0703 TABLE 1 FOR OPTIONS)
9. THE TYPE OF VEHICLE CHOSEN FOR DESIGN SHOULD REPRESENT THE PREDOMINANT USE.
10. THE TYPICAL DIMENSIONS ALLOW FOR SIMULTANEOUS IN / OUT MOVEMENT OF THE CHOSEN VEHICLE.
11. THESE DIMENSIONS ARE PROVIDED AS A GENERAL GUIDE. IT MAY BE POSSIBLE USING VEHICLE TURNING TEMPLATES AS PER A.S. 2890.2 TO DESIGN NARROWER DRIVEWAYS TO SUIT A PARTICULAR SITE.
12. A STANDARD TEMPLATE SHOULD BE USED TO DEMONSTRATE THAT THE LARGEST VEHICLE LIKELY TO USE THE SITE CAN NEGOTIATE THE CROSSING.

**SPECIFICATION:**

1. ALL CONCRETE SHALL BE GRADE 32 ( $F_c = 32$  MPa). AGGREGATE SIZE TO BE 20mm MAX. INDUSTRIAL DRIVEWAYS SHALL BE 150mm THICK AND REINFORCED WITH SL82 MESH AT 50mm TOP COVER.
2. REFER TO DRAWING ACTSD-0000 FOR GENERAL NOTES.

**TABLE 1 : DRIVEWAY DIMENSIONS**

VEHICLE TYPE	SMALL RIGID VEHICLE (S.R.V.)		HEAVY RIGID VEHICLE (H.R.V.)		ARTICULATED VEHICLE (A.V.)	
	HD1	HDR	HD2	HDR	HD2	HDR
W	4500	3000	5000	5500	7200	9000
R1	-	4000	-	9000	-	9000
MAX RATE OF CHANGE			1.5%/5.5m	1.5%/5.5m	1%/5.5m	1%/5.5m
MAX SLOPE	17%	17%	10%	10%	10%	10%



STANDARD DRAWING

**HEAVY DUTY DRIVEWAYS**

NOT TO SCALE

Authorised: *[Signature]*

Latest Revision Details

Rev	Amendment	Date
0	BASED ON DRG D55-02	14/01/19
Drawing No. ACTSD-0702		Revision 0