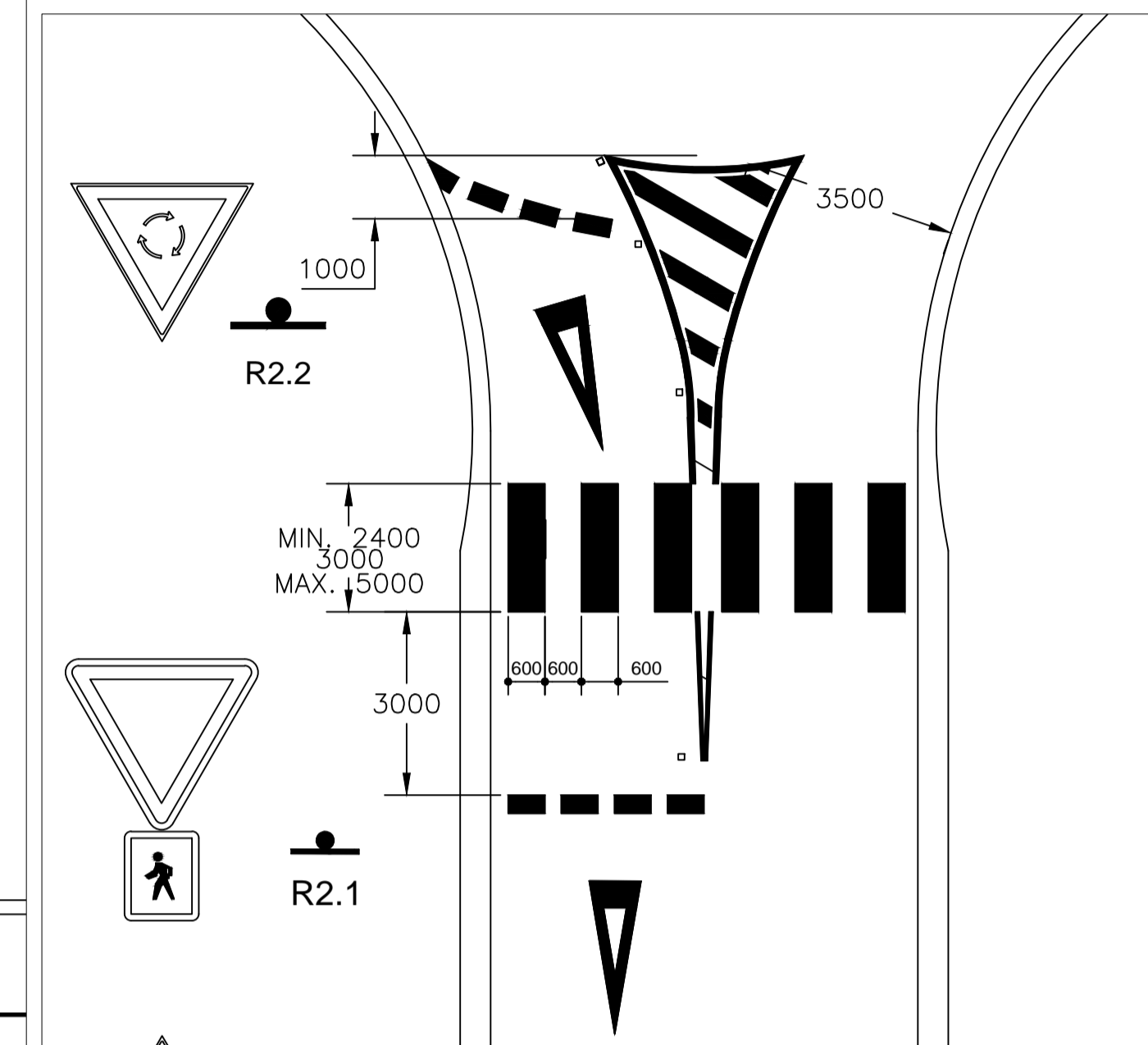
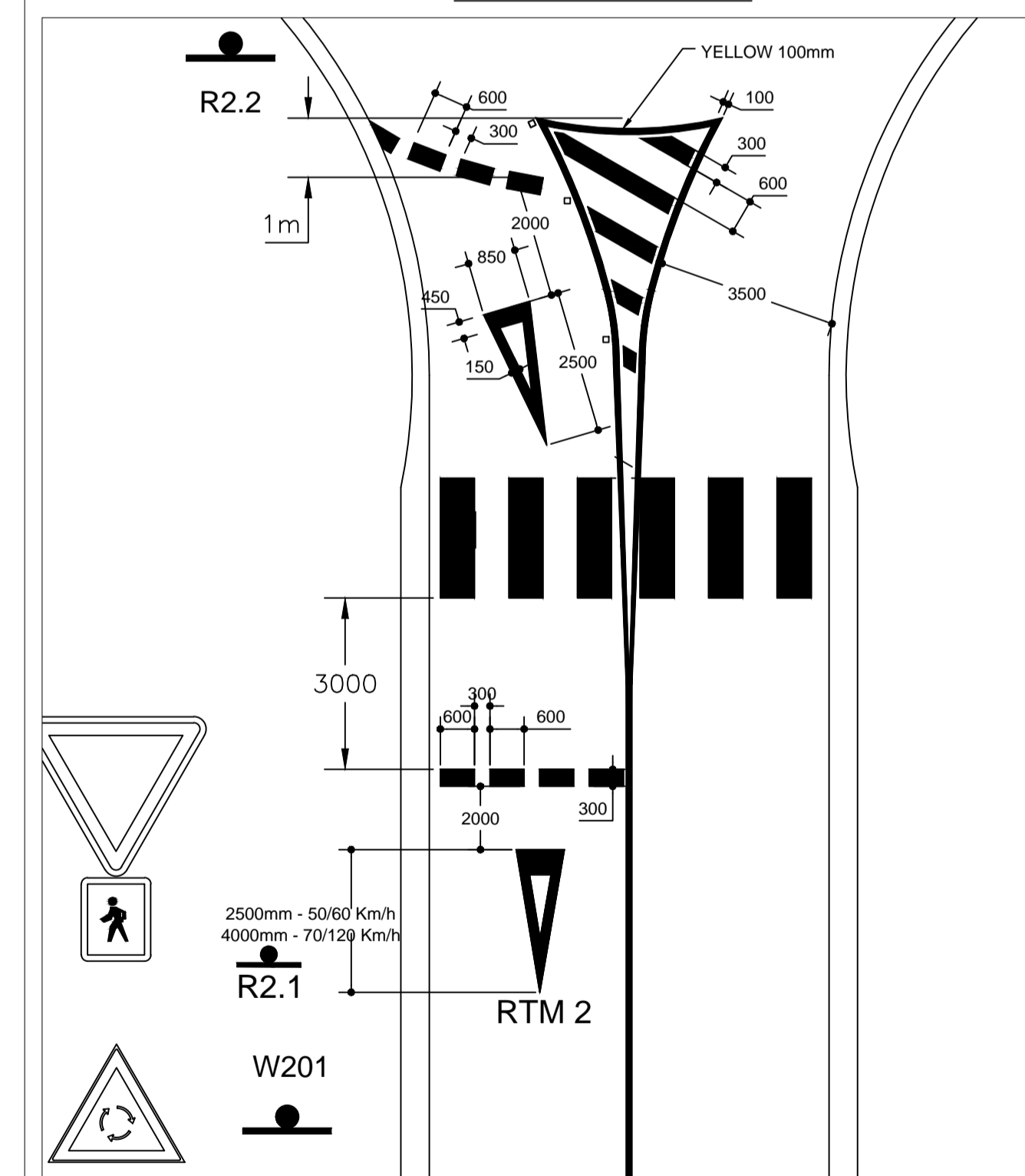


TYPICAL LAYOUT OF 4-LEGGED MINI-CIRCLE WITH RAISED PEDESTRIAN CROSSING
SCALE 1: 250

NOTE:
 PAINTED PEDESTRIAN CROSSINGS ONLY AT 4-WAY INTERSECTIONS WHEN SPECIFIED THIS IS A TYPICAL LAYOUT OF A MINI-CIRCLE WITH A RAISED PEDESTRIAN CROSSING AT A GENERIC INTERSECTION.
 THE TRAFFIC ENGINEERING AND OPERATION SECTION MUST ALWAYS BE CONSULTED TO ASSIST WITH THE SETTING OUT OF TRAFFIC CALMING MEASURES.
 WM 5 - 50 / 60Km/h - 2500mm
 70 / 120 Km/h - 4000mm



RTM 4 DETAIL



RTM 2 DETAIL

NOTES AND SPECIFICATIONS

CONSTRUCTION METHOD: SPEED HUMPS

- Setting out of hump - few days before construction.
 - Saw cuts one to two days before construction.
- ON CONSTRUCTION DAY:**
- Remove 500 mm asphalt strips.
 - Start erecting road signs and paint warning road marking.
 - Place asphalt in strips and compact with two passes without vibrator.
 - Place templates - both sides of one lane at a time.
 - Place asphalt and rake till slightly higher than templates.
 - Shape asphalt with straight edge (channel section 6 m long).
 - Remove templates and compact without vibrator (three passes)
 - Measure profile and rectify if necessary.
 - Final compaction with three to four passes with vibrator.
 - Place road studs.
 - Paint speed hump the next day.

- Traffic Signs:
 - Only galvanised bolts and nuts to be used on W and R series (no uni-struts)
 - All signs must be according to the Road Traffic Signs Manuals but use 900Φ STOP (60km/h zone) for 3-way and 4-way stops
 - All signs excluding R1 series must have rounded edges
- ROADMARKINGS:
 - All longitudinal road markings in 1.2mm thick thermoplastic.
 - All small hand type markings namely STOP lines, Yield Lines, Pedestrian Crossing Lines, Block Pedestrian Crossings, Arrows and Symbols to be in thermoplastic (1.2mm thick) or two component cold plastic (MMA - Methyl Methacrylate) applied as a screed (1mm thick).

Colour	Paint application rate (mm)	Premix bead application rate (%)	Initial coefficient of retro-reflective (m ² /cd/m ²)
WHITE	1.2mm thermo/1mm Cold	35	250
YELLOW	1.2mm thermo/1mm Cold	35	135

NOTE:
 The Traffic Engineering and Operation section must always be consulted to assist with the setting out of speed humps.

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED C.B. RAMEKANE	DRAWN S. AUDIE
DESIGN CHECKED BY P. A. ODENDIAAL Pr.Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

CITY OF TSHWANE
 ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
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PRETORIA
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ACTING DIVISIONAL HEAD
Mr Lebepe M.T. (Thabo)
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PRETORIA
0001

DRAWING APPROVED BY ACTING EXECUTIVE DIRECTOR
Mr Lebepe M.T. (Thabo)

LOCATION OF PROJECT:
TYPICAL STANDARD DETAILS

DESCRIPTION OF PROJECT:
TRAFFIC CALMING MEASURES
 MINI-CIRCLE DETAILS (4)

CONTRACT No.:	PROJECT No.:
DATE: 15 MARCH 2018	SCALE: AS SHOWN
DRAWING NO. STD016	SHEET NO. 6 OF 7

