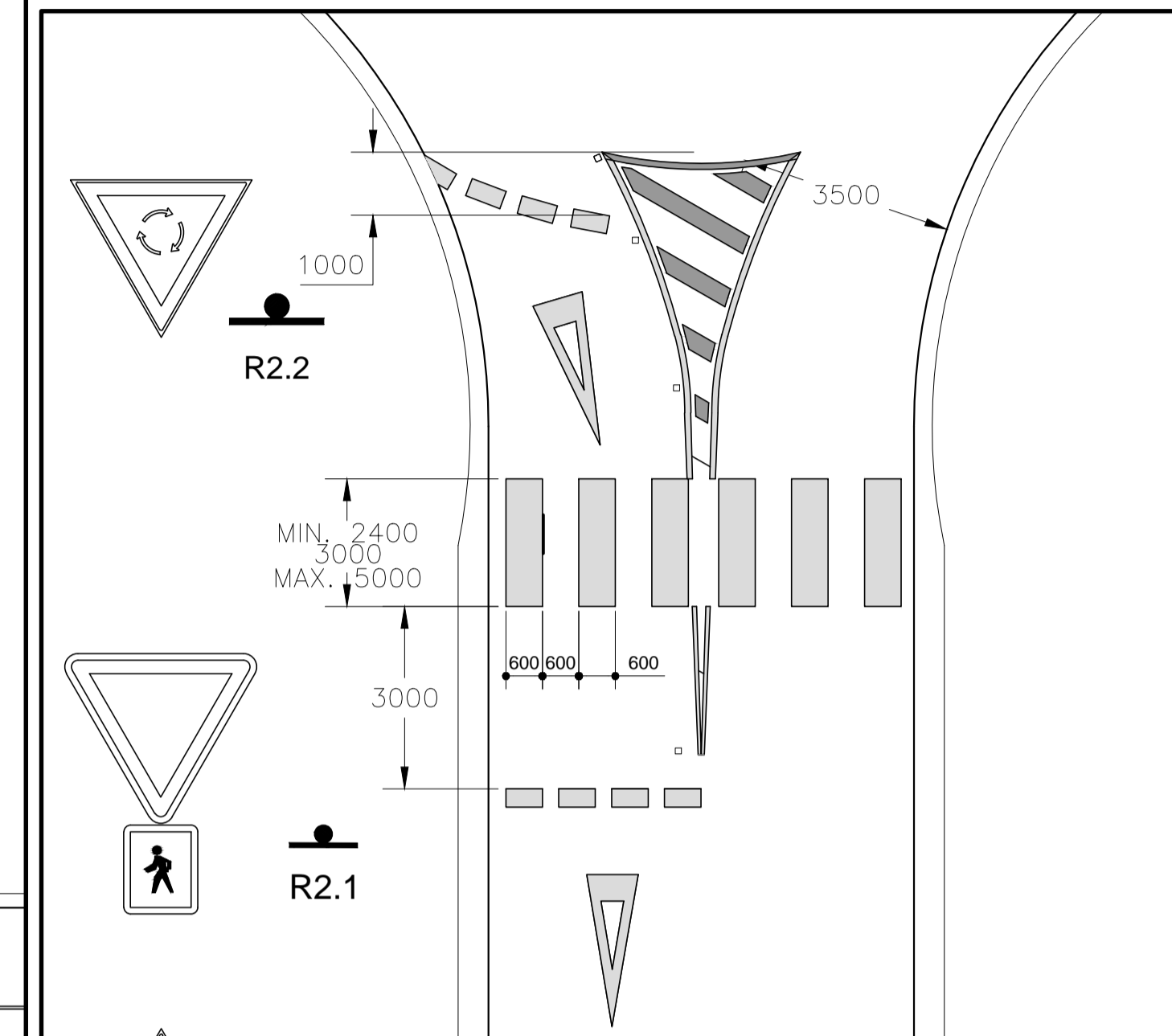


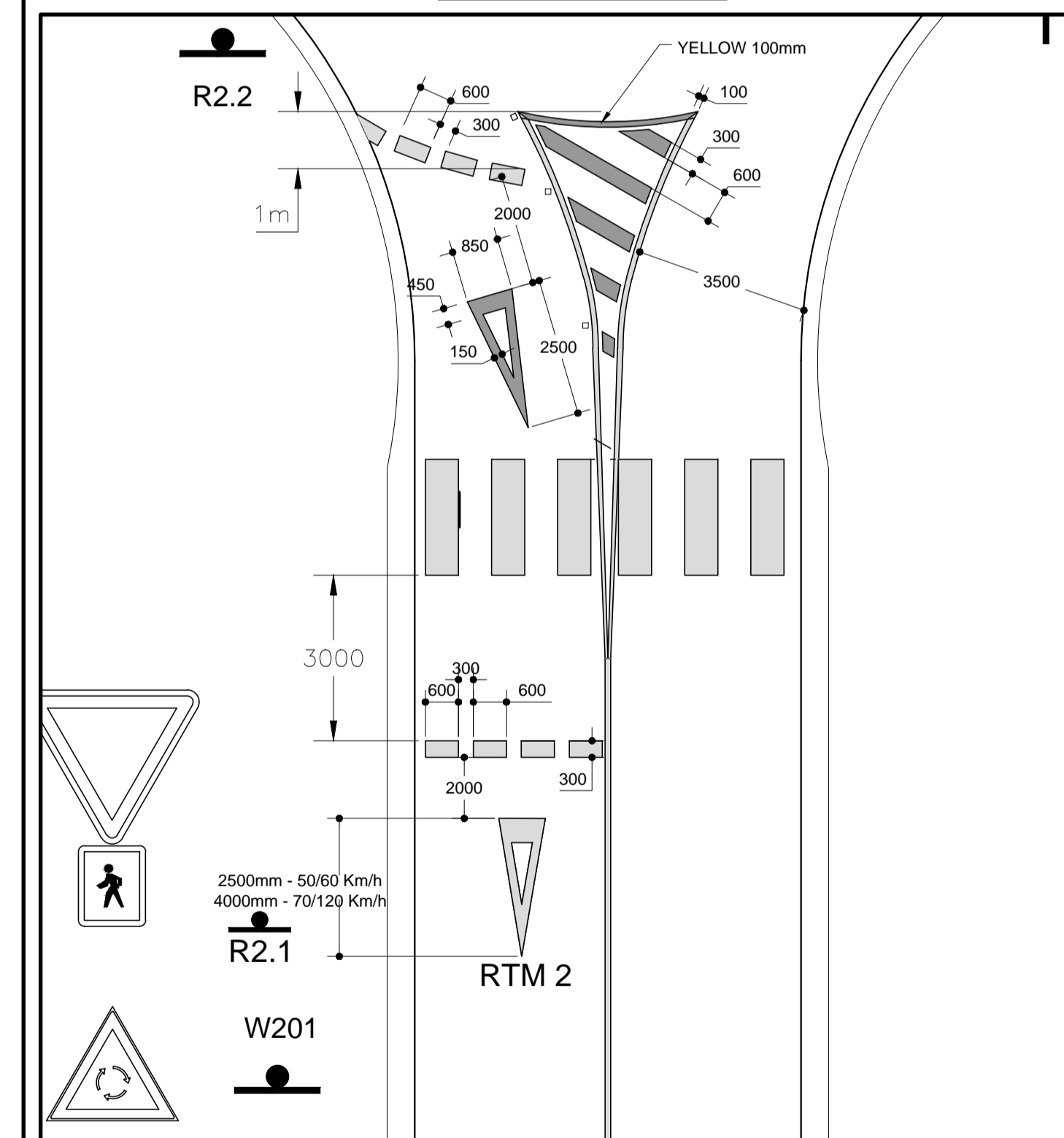
SCALE 1: 250

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 new road markings in thermoplastic

Colour	Paint application rate (mm)	Premix bead application rate (%)	Initial coefficient of retro-reflective (mircandelas/lux/m²)
WHITE	1.2	35	200
YELLOW	1.2	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. ODENDAAL, Pr.Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
<input type="radio"/> CONCEPT DRAWING	<input type="radio"/> TENDER DRAWING	<input type="radio"/> APPROVED FOR CONSTRUCTION DRAWING	<input type="radio"/> AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)	
INITIALS AND SURNAME	SIGNATURE AND P. No. DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	
INITIALS AND SURNAME	SIGNATURE AND P. No. DATE
CONSULTANT DETAIL	

CITY OF TSHWANE
 ROADS AND TRANSPORT DEPARTMENT
 Mr P. Leluthane Strategic Executive DIRECTOR
 P.O. BOX 1409 PRETORIA 0001

Ms. L. V. Kegakwe-Piki Executive DIRECTOR
 P.O. BOX 1409 PRETORIA 0001

LOCATION OF PROJECT:
TYPICAL STANDARD DETAILS

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

RECEIVED
DIRECTOR INFRASTRUCTURE PROVISION
SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE CONSTRUCTION PROJECT MANAGEMENT
SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE ASSET MANAGEMENT
SIGNATURE _____ DATE _____
DIRECTOR TRANSPORT INFRASTRUCTURE PLANNING
SIGNATURE _____ DATE _____
DIRECTOR INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING
SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)
SIGNATURE _____ DATE _____

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO. STD016	SHEET NO. 6 OF 7

ORIGINAL PAPER SIZE: A1
REVISION