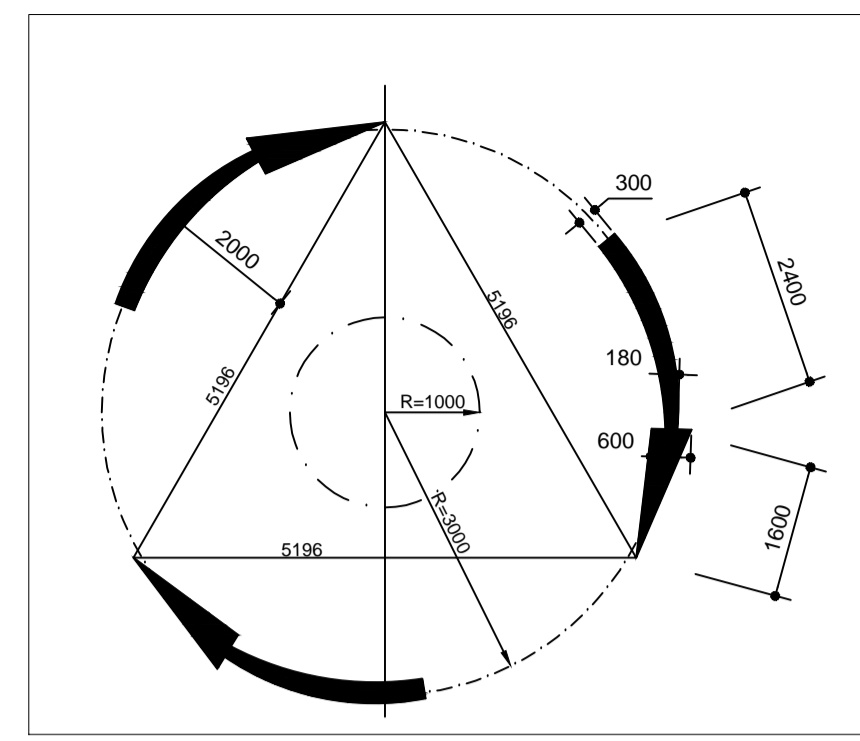
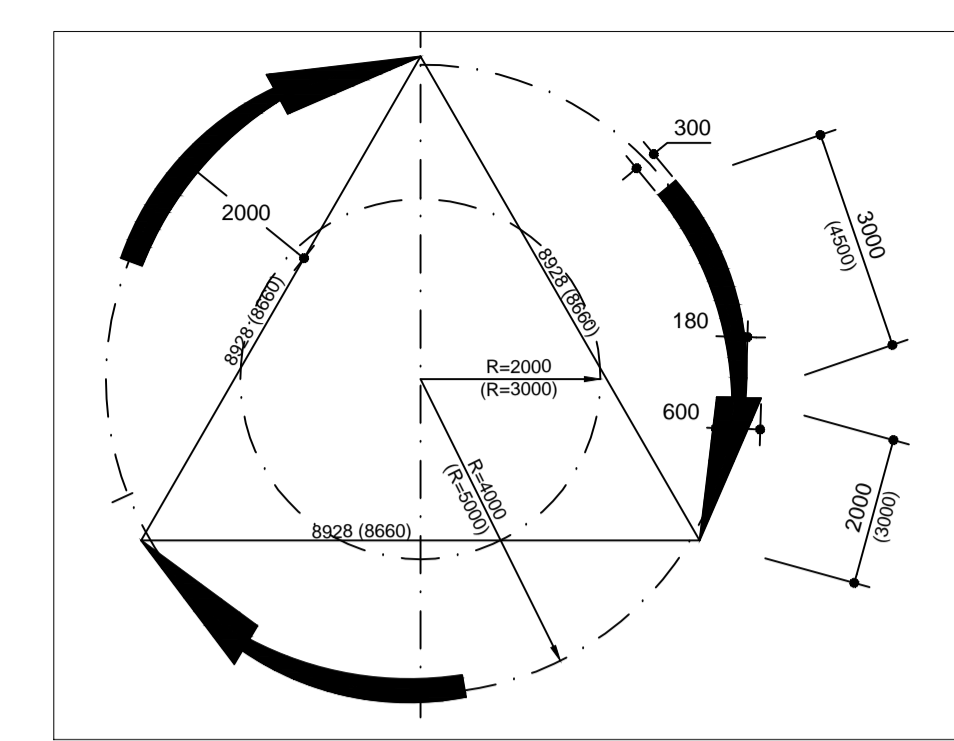


MINI-CIRCLE PROFILE AND PAINT MARKINGS AND EDGE

SCALE 1: 100



PAINTED TRAFFIC CIRCLES WITH DIAMETER 2m



PAINTED TRAFFIC CIRCLES WITH DIAMETER 4m AND 6m

RM15 - DETAIL OF CIRCLE ARROWS  
(ACCORDING TO DESIGN SASC-RTSM-VOL 4)

SCALE 1: 100

NOTES AND SPECIFICATIONS

CONSTRUCTION METHOD: SPEED HUMPS

1. Setting out of hump - few days before construction.
2. Saw cuts one to two days before construction.

ON CONSTRUCTION DAY:

3. Remove 500 mm asphalt strips.
4. Start erecting road signs and paint warning road marking.
5. Place asphalt in strips and compact with two passes without vibrator.
6. Place templates - both sides of one lane at a time.
7. Place asphalt and rake till slightly higher than templates.
8. Shape asphalt with straight edge (channel section 6 m long).
9. Remove templates and compact without vibrator (three passes)
10. Measure profile and rectify if necessary.
11. Final compaction with three to four passes with vibrator.
12. Place road studs.
13. Paint speed hump the next day.

2. Traffic Signs:

- 2.1 Only galvanised bolts and nuts to be used on W and R series (no uni-struts)
- 2.2 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
- 2.3 All signs excluding R1 series must have rounded edges

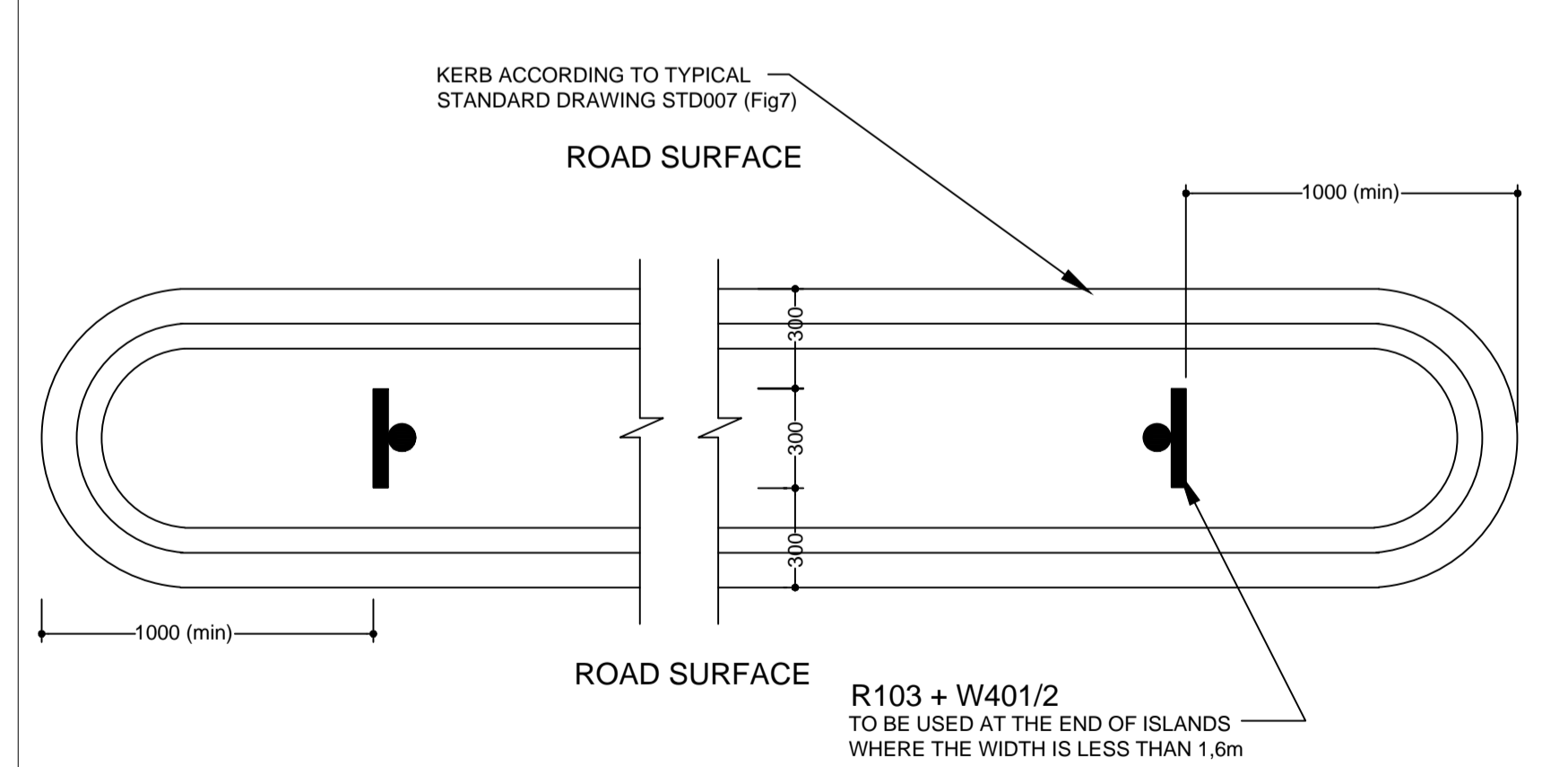
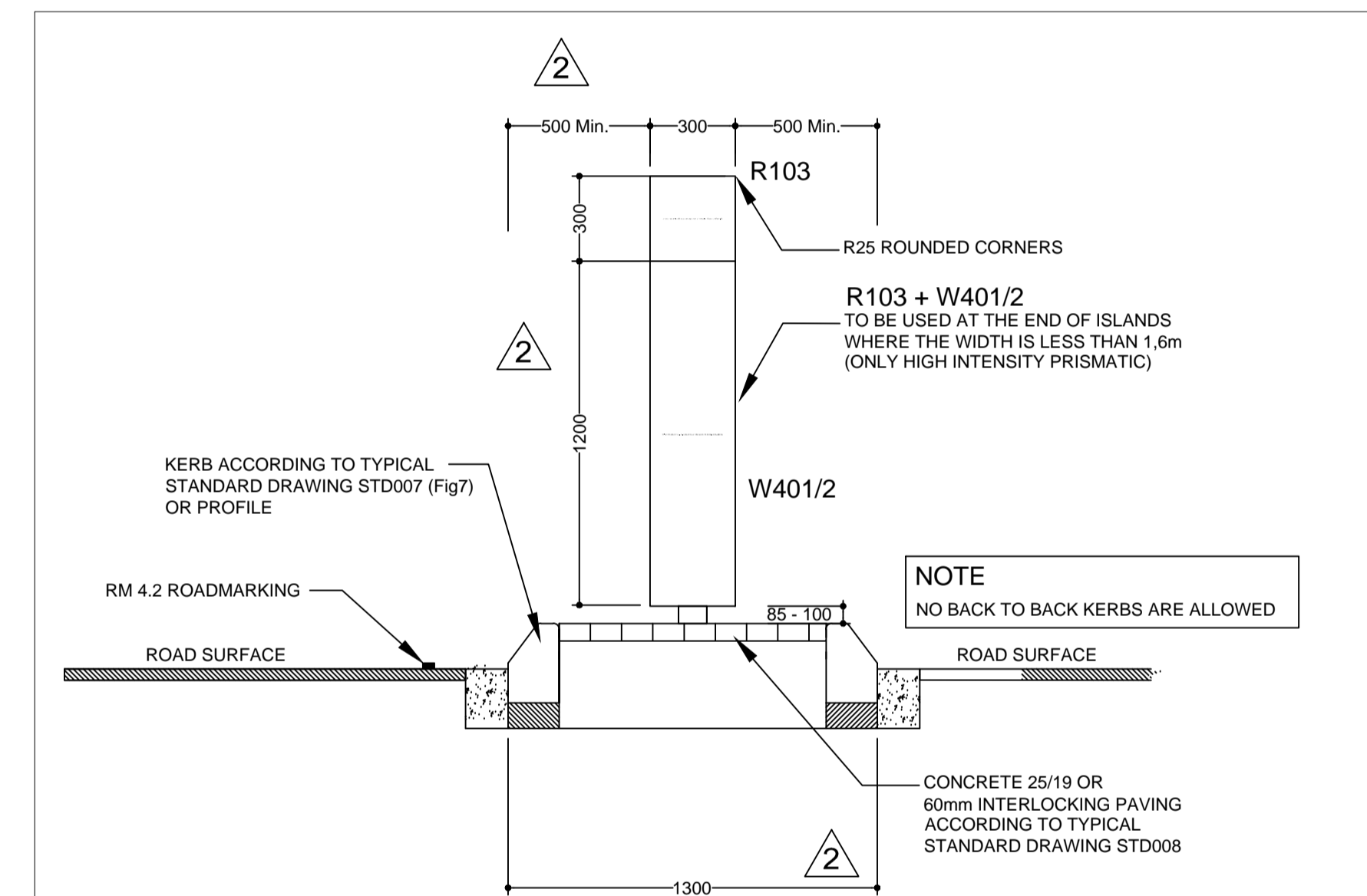
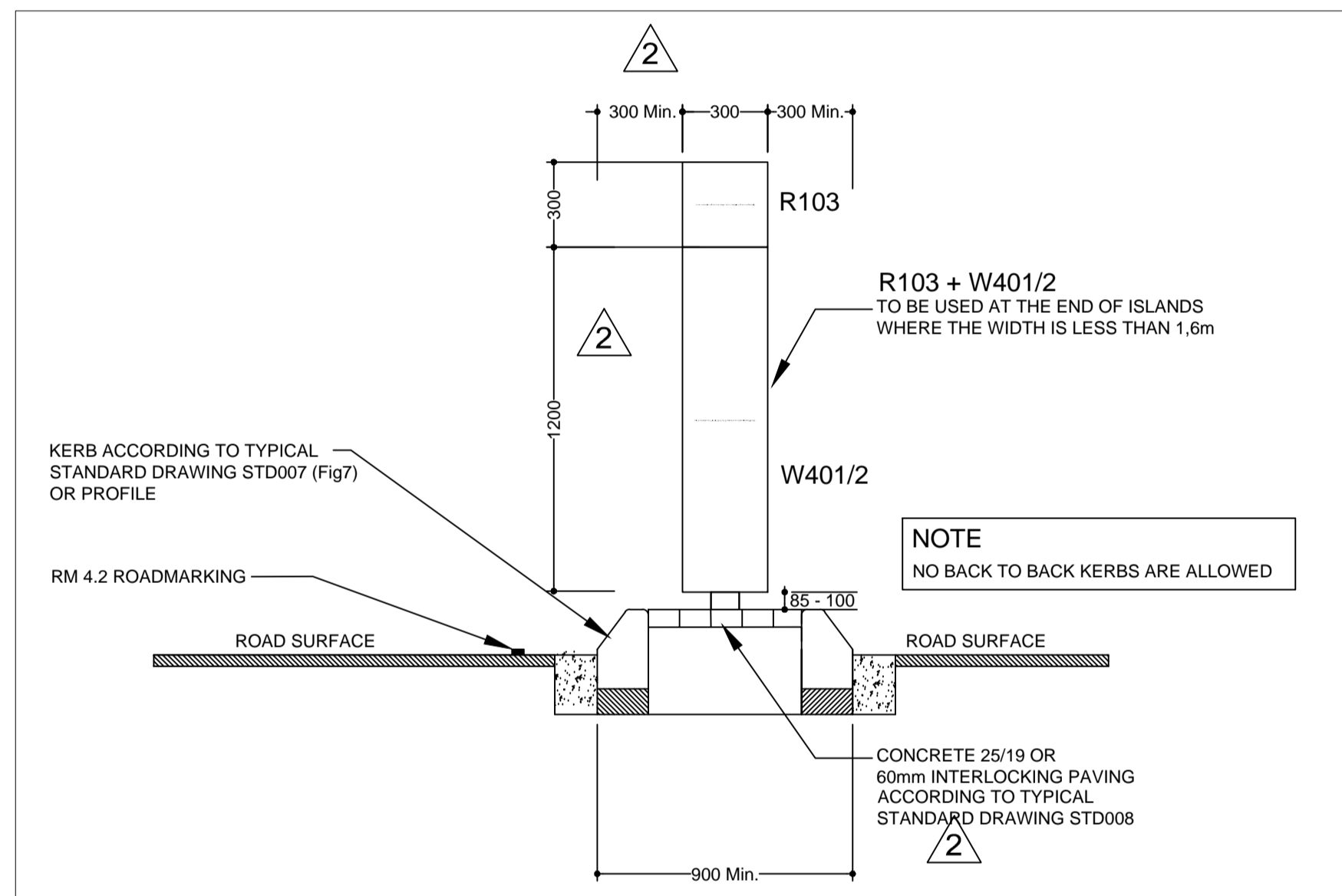
3. ROADMARKINGS:

- 3.1 All longitudinal road markings in 1.2mm thick thermoplastic.
- 3.2 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-reflectance (mircandela/lux/m <sup>2</sup> )
WHITE	1.2mm thermo/1mm Cold	35	250
YELLOW	1.2mm thermo/1mm Cold	35	135

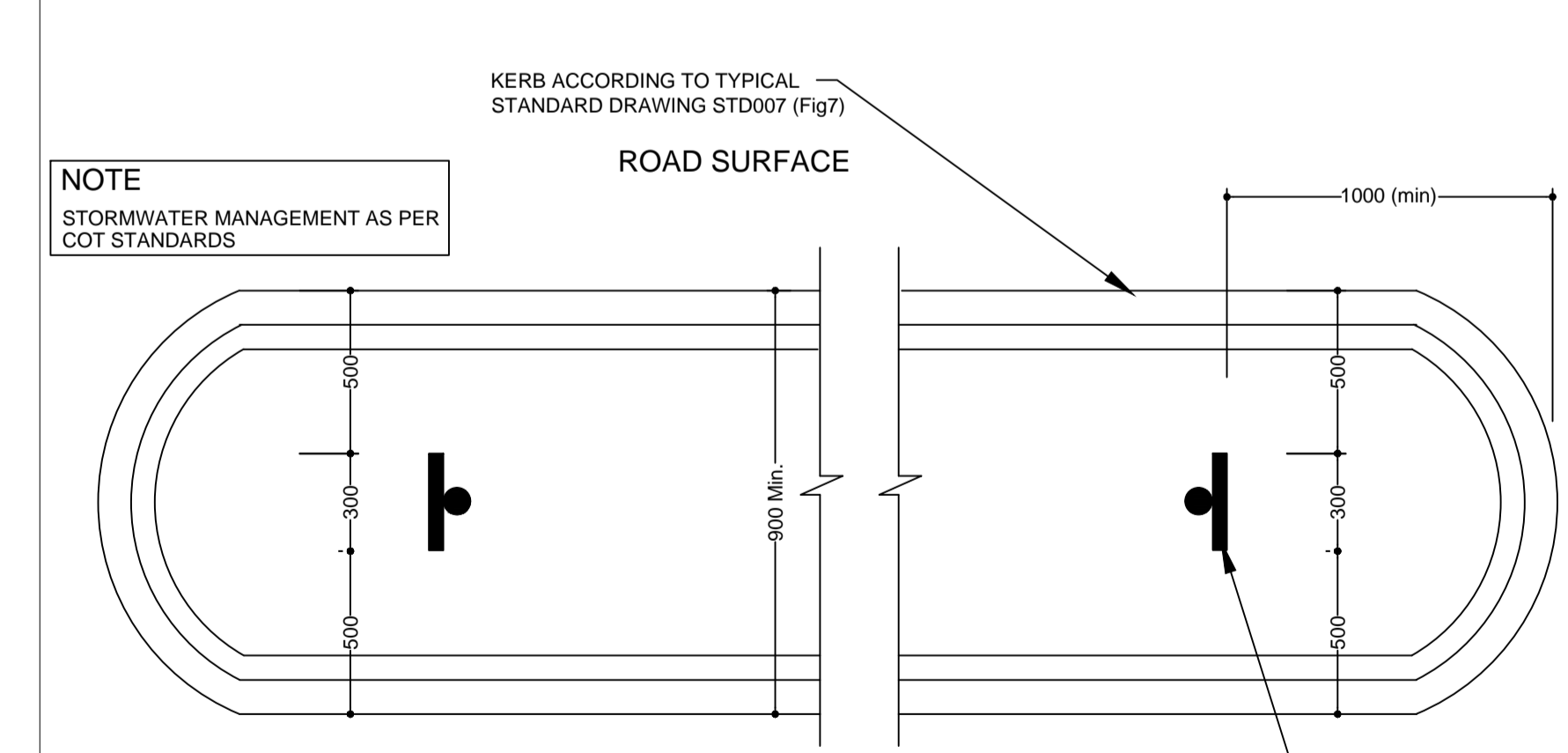
NOTE:

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



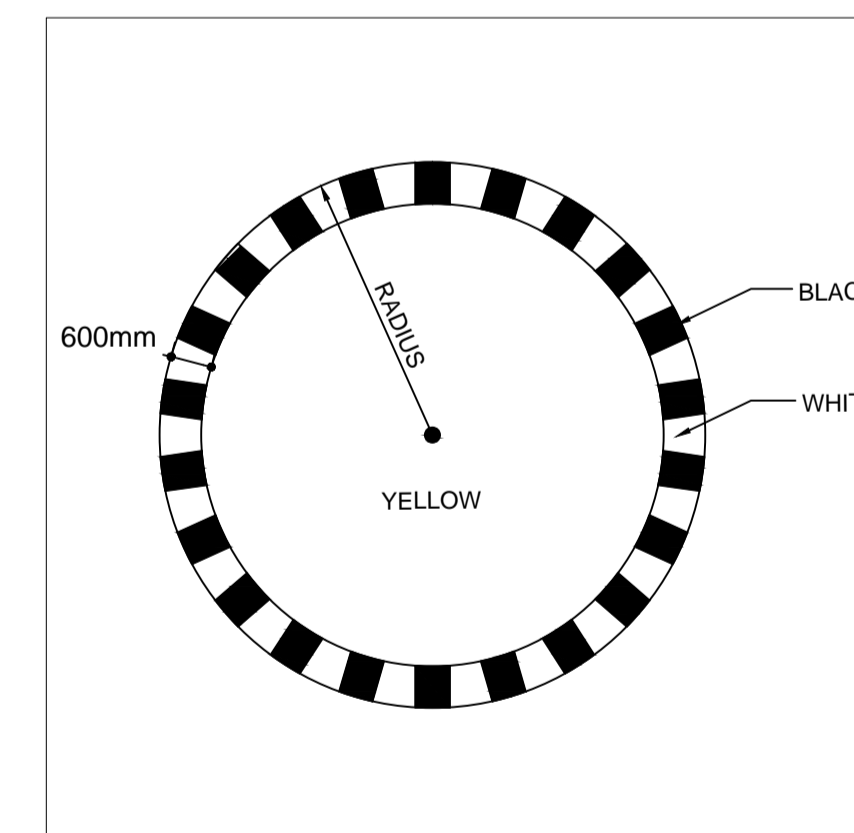
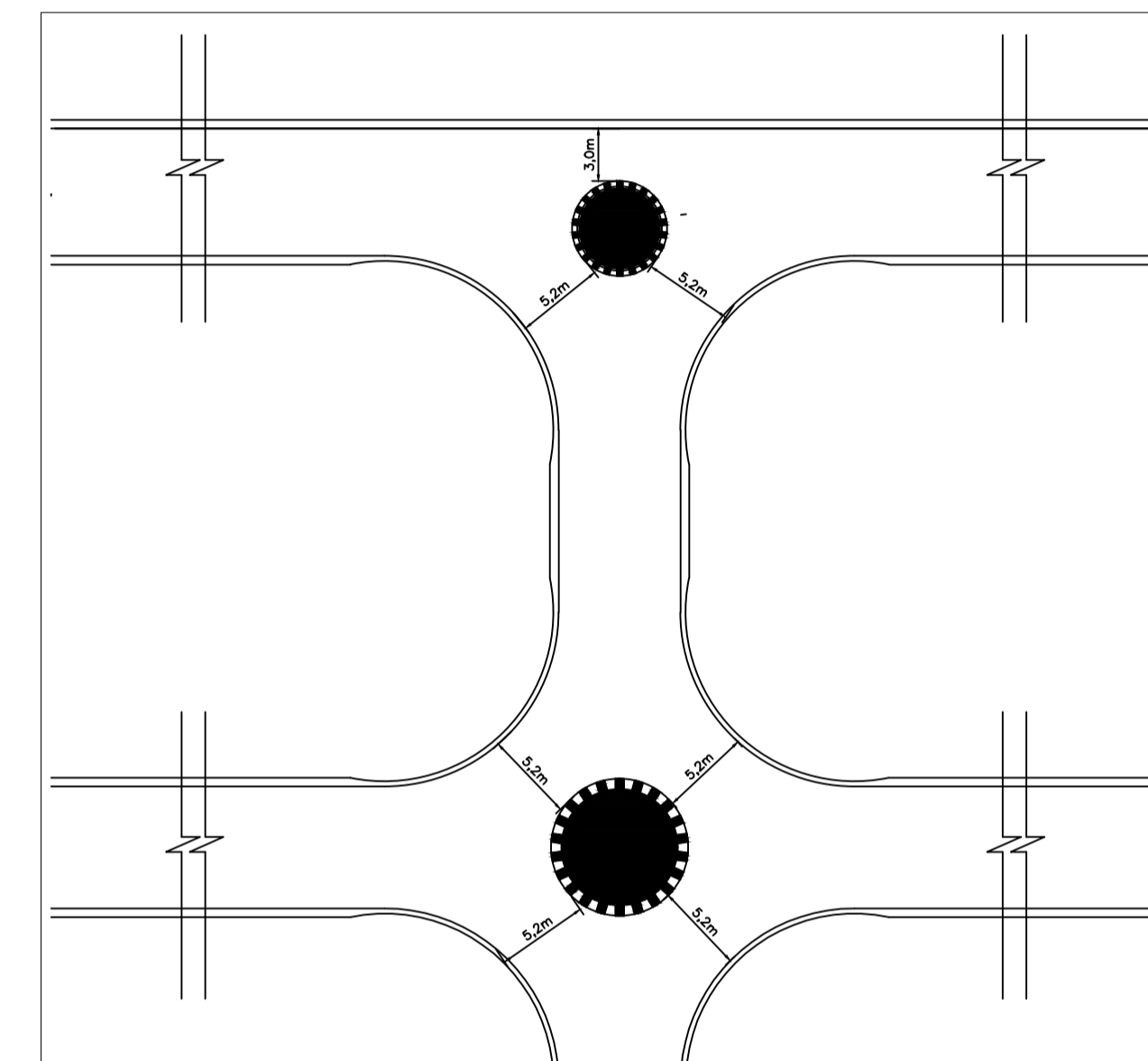
ISLAND AT SECURITY ENTRANCE ONLY

SCALE 1:20



MIN WIDTH OF: ISLAND END POINT, MEDIAN ISLAND AND SPLITER ISLAND

SCALE 1:20



NOTE:  
SPACING OF BLACK/WHITE MARKINGS ARE ± 600/ 600mm INTERVALS.

SIZE AND POSITION OF MINI-CIRCLE IS DETERMINED BY INTERSECTION DESIGN / LAYOUT

SCALE 1: 100

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED C.B. RAMEKANE	DATE	DRAWN S. AUDIE	DATE
DESIGN CHECKED BY S. NABDOO	DATE	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS	DATE

**CITY OF TSHWANE**  
ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD  
Mr Lesonkane P. (Phako)  
P.O. BOX 1409  
PRETORIA 0001

ACTING DIVISIONAL HEAD  
Mr Lebepe M.T. (Thabo)  
P.O. BOX 1409  
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 ROAD MARKING DETAILS

CONTRACT No.:	PROJECT No.:
DATE: 15 MARCH 2018	SCALE: AS SHOWN
DRAWING NO: <b>STD016</b>	ORIGINAL PAPER SIZE: A1
SHEET NO: 7 OF 7	REVISION

