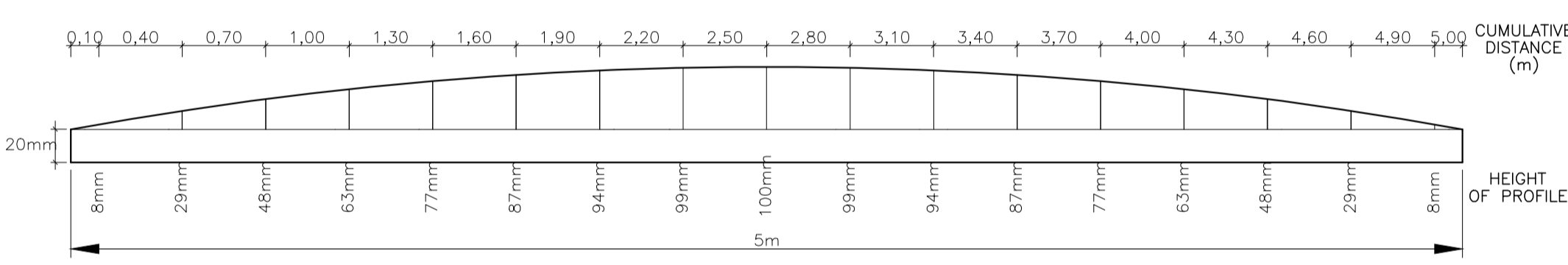
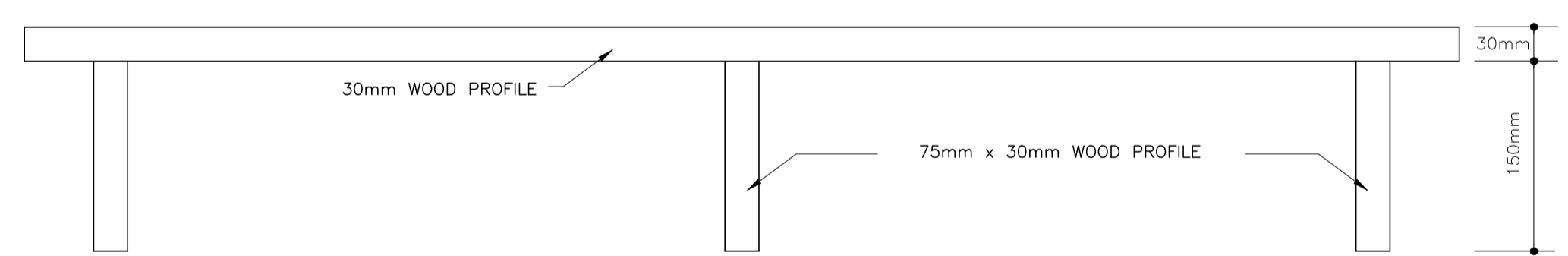


PLAN OF RAISED PEDESTRIAN CROSSING (RPC)

SCALE 1:100



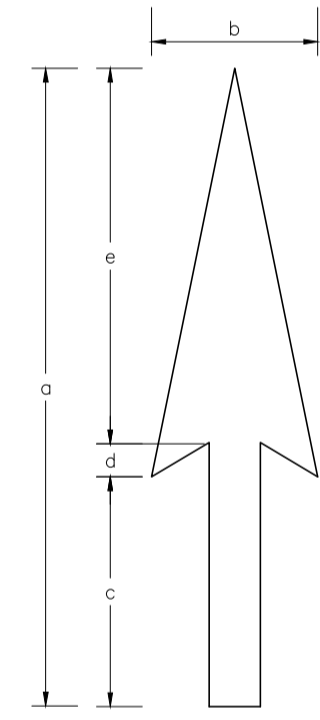
SIDE ELEVATION



PLAN

TEMPLATE DETAIL FOR CONSTRUCTION OF RPC

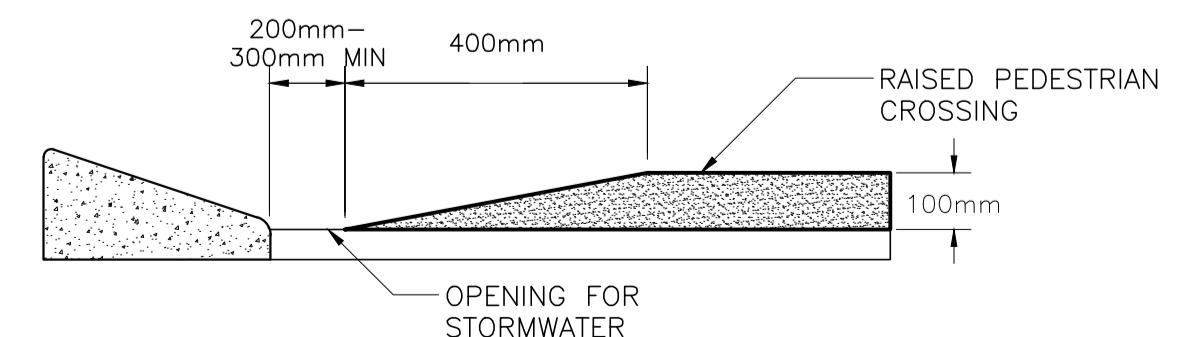
SCALE 1: 20



OPERATING SPEED (km/h)	TYPICAL APPLICATIONS	a	a'	b	c	c'	d	e	f	g
30 - 40	CITY CENTRE	1250	2000	1250	450	400	50	750	500	250
50 - 60	URBAN	2500	4000	1250	900	800	100	1500	1000	250

DETAIL OF ROAD MARKING

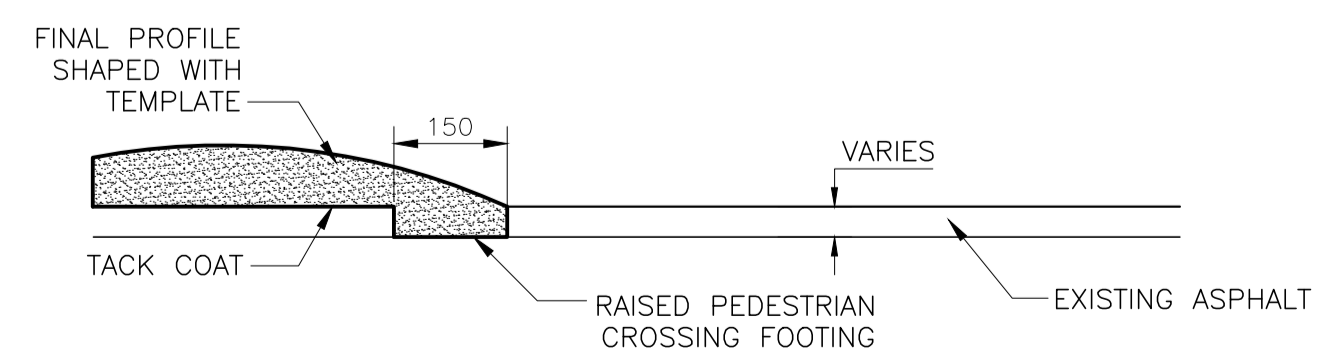
SCALE 1: 20



SECTION A-A:

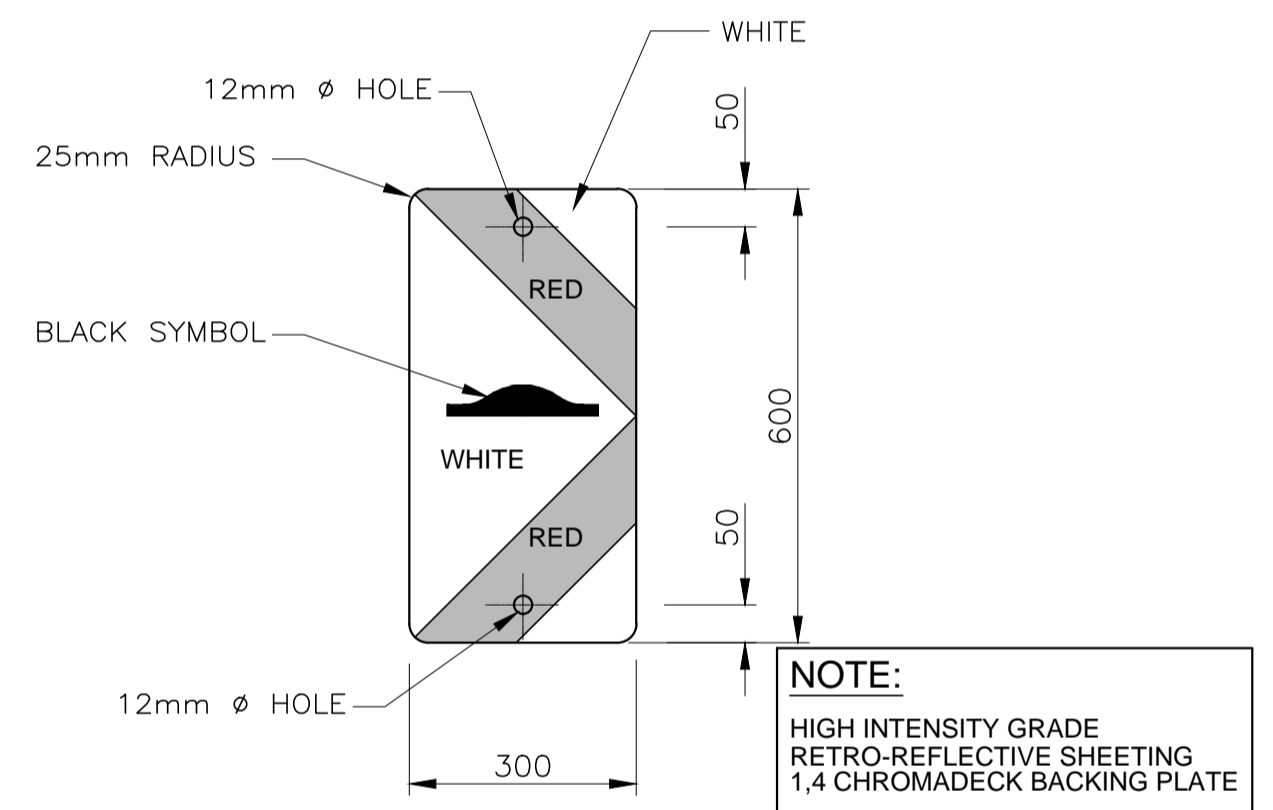
CONSTRUCTION DETAIL OF RPC

SCALE 1: 100

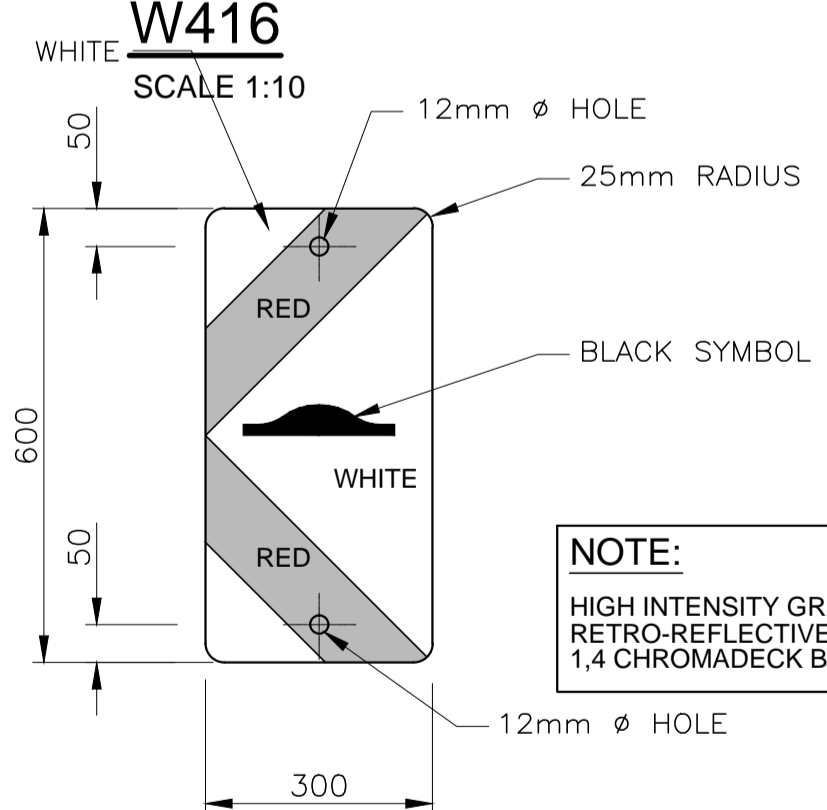


SECTION B-B:

CONSTRUCTION DETAIL OF RPC



DANGER PLATE (LEFT)



DANGER PLATE (RIGHT)

W416
SCALE 1:10

W417
SCALE 1:10

ROADS AND STORMWATER	
For Internal Approval	
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 SYSTEMS AND TRAFFIC ENGINEERING	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE _____ DATE _____

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.
 - Place road studs.
 - Final compaction with three to four passes with vibrator.
 - Paint speed hump the next day.
- 2. 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
- 3. ROADMARKINGS:**
- All new road markings in thermoplastic
- | Colour | Paint application rate (mm) | Premix bead application rate (%) | Initial coefficient of retro-reflective (m ² candela/s/ux/m ²) |
|--------|-----------------------------|----------------------------------|---|
| 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	<input type="radio"/> AS BUILT DRAWING

INITIALS AND SURNAME _____	SIGNATURE AND P. No. _____	DATE _____
INSPECTOR OF WORKS (CITY OF TSHWANE):		

INITIALS AND SURNAME _____	SIGNATURE AND P. No. _____	DATE _____
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CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

M. P. Letshamane
STRATEGIC EXECUTIVE DIRECTOR

Ms. L. V. Kgagkwe-Piki
EXECUTIVE DIRECTOR

P.O. BOX 1409
PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kgagkwe-Piki

TYPICAL STANDARD DETAILS

TRAFFIC CALMING MEASURES

TYPICAL RAISED PEDESTRIAN CROSSING

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO: STD016	SHEET NO: 2 OF 7