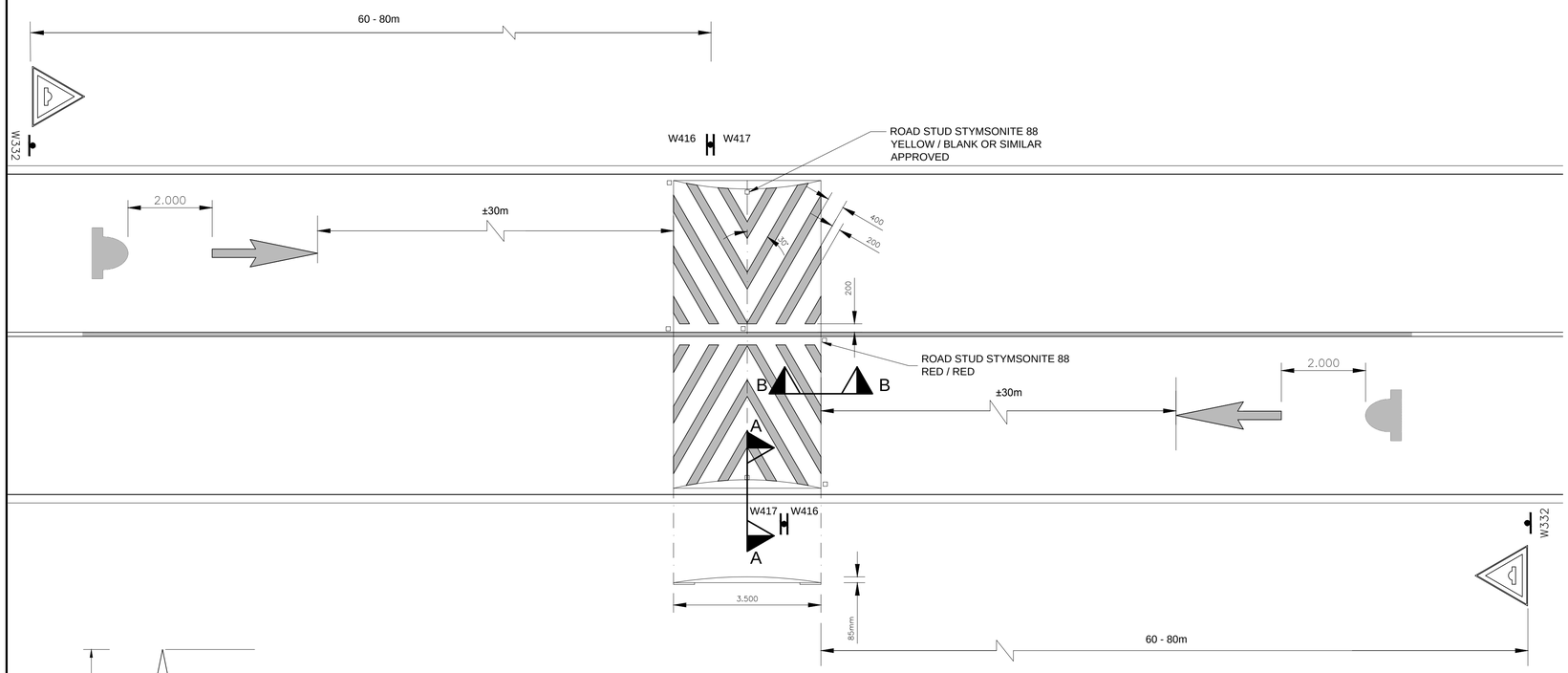
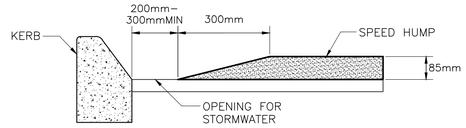


PLAN OF SPEED HUMP

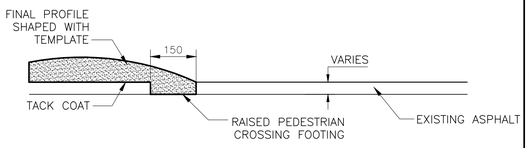
SCALE 1:100



SECTION A-A:
CONSTRUCTION DETAIL OF SPEED HUMP

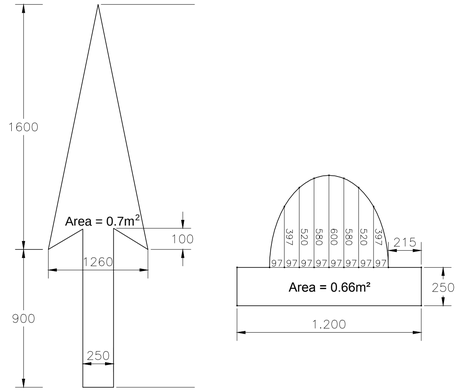
SCALE 1: 100

50/60 Km/h



SECTION B-B:
CONSTRUCTION DETAIL OF SPEED HUMP

SCALE 1: 100



NOTE

1. Traffic Signs:

1.1 Only galvanised bolts and nuts to be used on W and R series (no uni-struts)

1.2 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

1.3 All signs excluding R1 series must have rounded edges

2. ROADMARKINGS:
All new road markings in thermoplastic

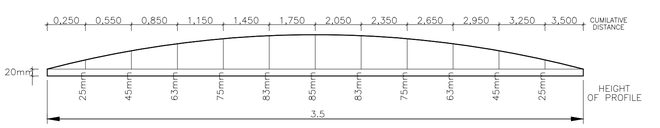
Colour	Paint application rate (mm)	Premix bead application rate (%)	Initial coefficient of retro-reflective (mmicandelas/lux/m²)
WHITE	1.2	35	200
YELLOW	1.2	35	135

NOTE:

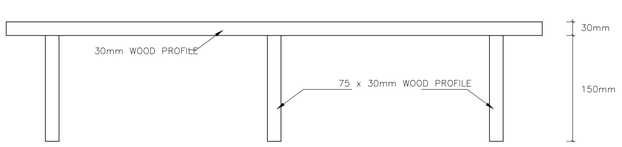
The Trafic Engineering and Operation section
must always be consulted to assist with the setting out of speed humps.

DETAIL OF SPEED HUMP ROAD MARKING

SCALE 1: 20



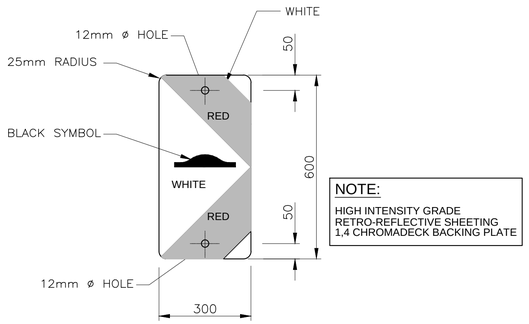
SIDE ELEVATION



PLAN

TEMPLATE DETAIL FOR CONSTRUCTION OF SPEED HUMP

SCALE 1: 20

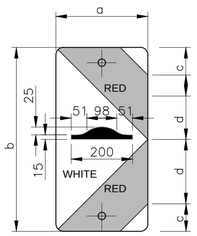


NOTE:

HIGH INTENSITY GRADE
RETRO-REFLECTIVE SHEETING
1,4 CHROMADECK BACKING PLATE

DANGER PLATE SPEEDHUMP (LEFT)
W416

SCALE 1:10

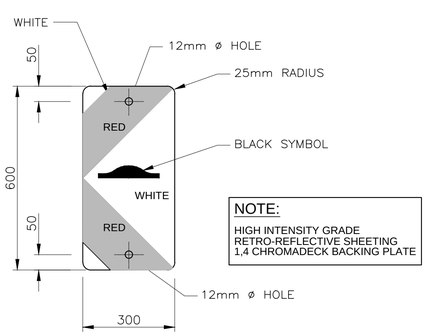


DIMENSIONS (mm)

a	b	c	d	R
300	600	90	210	25

DANGER PLATE SPEEDHUMP
W416

SCALE 1:10



NOTE:

HIGH INTENSITY GRADE
RETRO-REFLECTIVE SHEETING
1,4 CHROMADECK BACKING PLATE

DANGER PLATE SPEEDHUMP (RIGHT)
W417

SCALE 1:10

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:**
All new road markings in thermoplastic

Colour	Paint application rate (mm)	Premix bead application rate (%)	Initial coefficient of retro-reflective (mmicandelas/lux/m²)
WHITE	1.2	35	200
YELLOW	1.2	35	135

NOTE:

The Trafic 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
SIGNATURE DATE

DRAWN
S. AUDIE

DESIGN CHECKED BY
P. A. ODENDAAL Pr.Eng.
SIGNATURE DATE

INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT
D.J. CHALMERS
SIGNATURE DATE

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)

INITIALS AND SURNAME SIGNATURE AND Pr. No. DATE

INSPECTOR OF WORKS (CITY OF TSHWANE):

INITIALS AND SURNAME SIGNATURE AND Pr. No. DATE

CONSULTANT DETAIL

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr P. Letlonkane
STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA
0001

Ms. L. V. Kegakilwe-Piki
EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kegakilwe-Piki
SIGNATURE..... DATE.....

LOCATION OF PROJECT:

TYPICAL STANDARD DETAILS

DESCRIPTION OF PROJECT

TRAFFIC CALMING MEASURES
TYPICAL SPEED HUMP AND ROADMARKINGS DETAIL

CONTRACT No. :

PROJECT No. :

DATE : MAY 2013

SCALE : AS SHOWN

ORIGINAL PAPER SIZE: A1

DRAWING NO. STD016

SHEET NO: 1 OF 7

REVISION 0

ROADS AND STORMWATER
For Internal Approval

RECEIVED
SIGN WHEN APPLICABLE

DIRECTOR: INFRASTRUCTURE PROVISION
SIGNATURE DATE

DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECT) MANAGEMENT
SIGNATURE DATE

DIRECTOR: INFRASTRUCTUREASSET MANAGEMENT
SIGNATURE DATE

DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING
SIGNATURE DATE

DIRECTOR: INTELLIGENT TRANSPORT SYSTEN AND TRAFFIC ENGINEERING ENGINEERING
SIGNATURE DATE

DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)
SIGNATURE DATE

0 10 20 40 60 80m
SCALE 1:1000