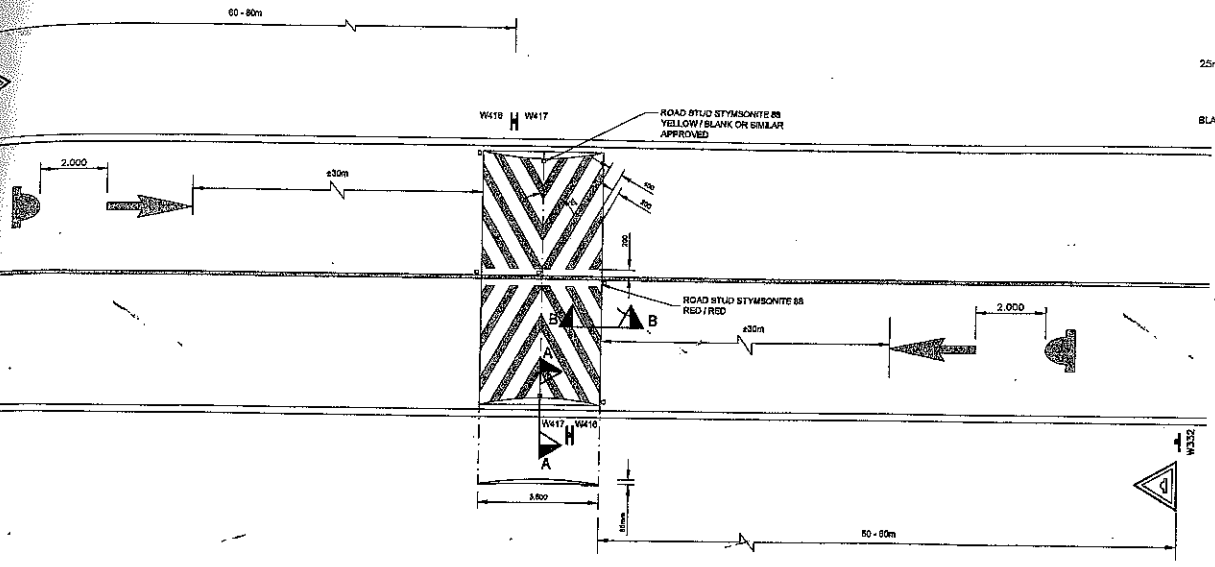
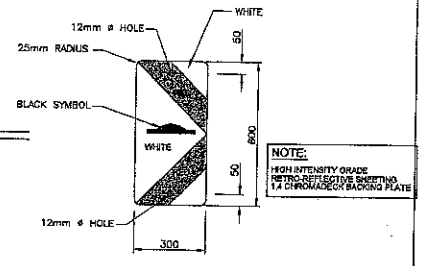
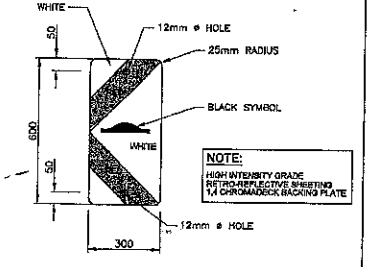


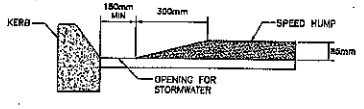
PLAN OF SPEED HUMP
SCALE 1:100



DANGER PLATE SPEEDHUMP (LEFT)
W416
SCALE 1:10



DANGER PLATE SPEEDHUMP (RIGHT)
W417
SCALE 1:10

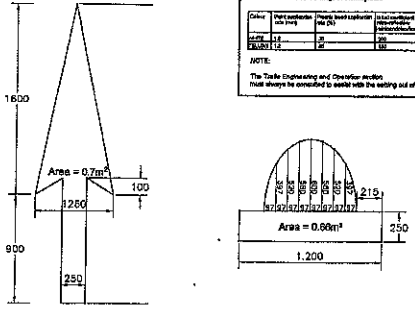


SECTION A-A:
CONSTRUCTION DETAIL OF SPEED HUMP
SCALE 1: 100
50/60 Km/h

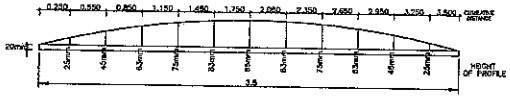
NOTE
1. Traffic Signs:
1.1 Only galvanised bolts and nuts to be used on W and R series (no uni-struts)
1.2 All signs must be according to the Road Traffic Signs Manuals but use 900Ø STOP (60km/h zone) for 3-way and 4-way stops
1.3 All signs excluding R1 series must have rounded edges
2. ROADMARKINGS:
All new road markings in thermoplastic

Colour	Paint application rate (m²/l)	Premix bead application rate (kg)	Initial coefficient of retro-reflection (mcd/m²/lux)
WHITE	1.2	30	350
YELLOW	1.2	30	250

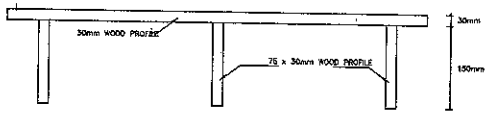
NOTE:
The Traffic Engineering and Operation section must always be consulted to assist with the setting out of speed humps.



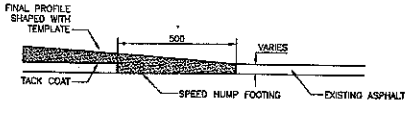
DETAIL OF SPEED HUMP ROAD MARKING
SCALE 1: 20



SIDE ELEVATION



PLAN
TEMPLATE DETAIL FOR CONSTRUCTION OF SPEED HUMP
SCALE 1: 20



SECTION B-B:
CONSTRUCTION DETAIL OF SPEED HUMP
SCALE 1:100

NOTES

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 900Ø 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 (m²/l)	Premix bead application rate (kg)	Initial coefficient of retro-reflection (mcd/m²/lux)
WHITE	1.2	30	350
YELLOW	1.2	30	250

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.

CITY OF TSHWANE

PUBLIC WORKS & INFRASTRUCTURE DEVELOPMENT
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MR. H.D. VORSTER (Pr. Eng.)
ACTING EXECUTIVE DIRECTOR ROADS & STORMWATER
P.O. BOX 1409 PRETORIA 0001

PUBLIC WORKS & INFRASTRUCTURE DEVELOPMENT
ROADS AND STORMWATER DIVISION

DESIGNED BY: E. BREEDT	DRAWN BY: S. AUDIE
STRUCTURAL DESIGN BY:	DRAWING CHECKED BY: D.J. CHALMERS 05/11/2007
CHECKED BY: A. DIKOBE, ACTING MANAGER: TRAFFIC ENGINEERING AND OPERATIONS	DRAWING APPROVED BY: H.D.VORSTER Pr.Eng. 6/12/07 ACTING EXECUTIVE DIRECTOR: ROADS & STORMWATER

TRAFFIC CALMING MEASURES
TYPICAL SPEED HUMP AND ROADMARKINGS DETAIL

SCALE AS SHOWN	
DATE	SEPT. 2007
DRAWING NUMBER	STD016
SHEET NUMBER	1 OF 7

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