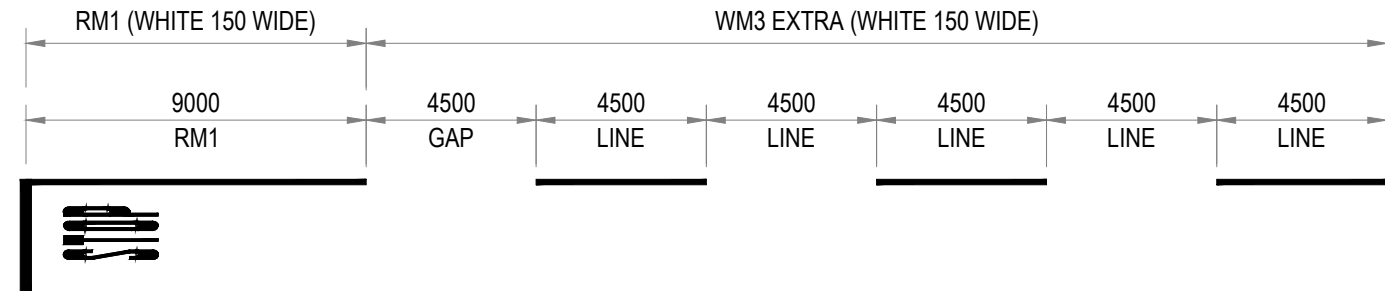
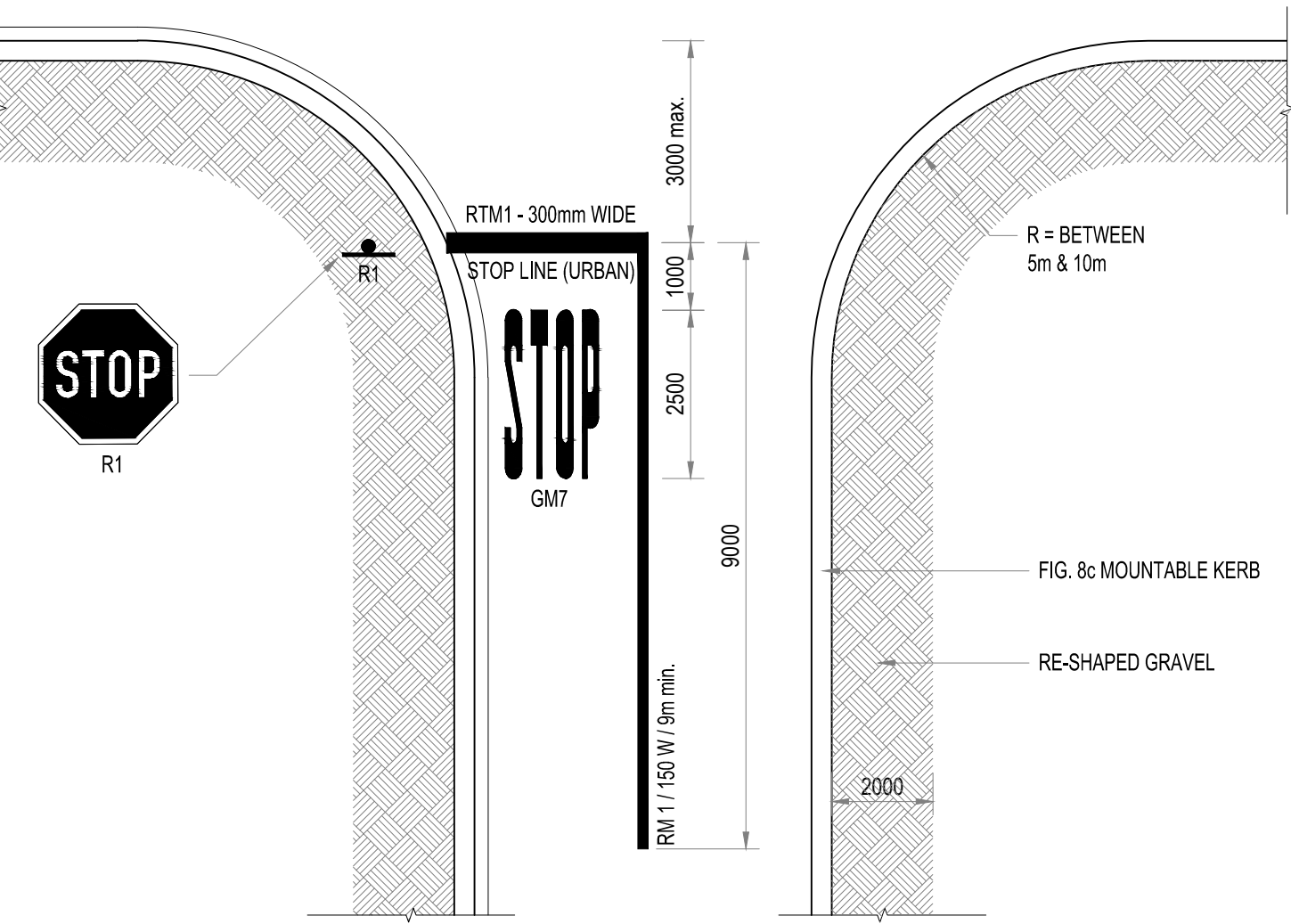


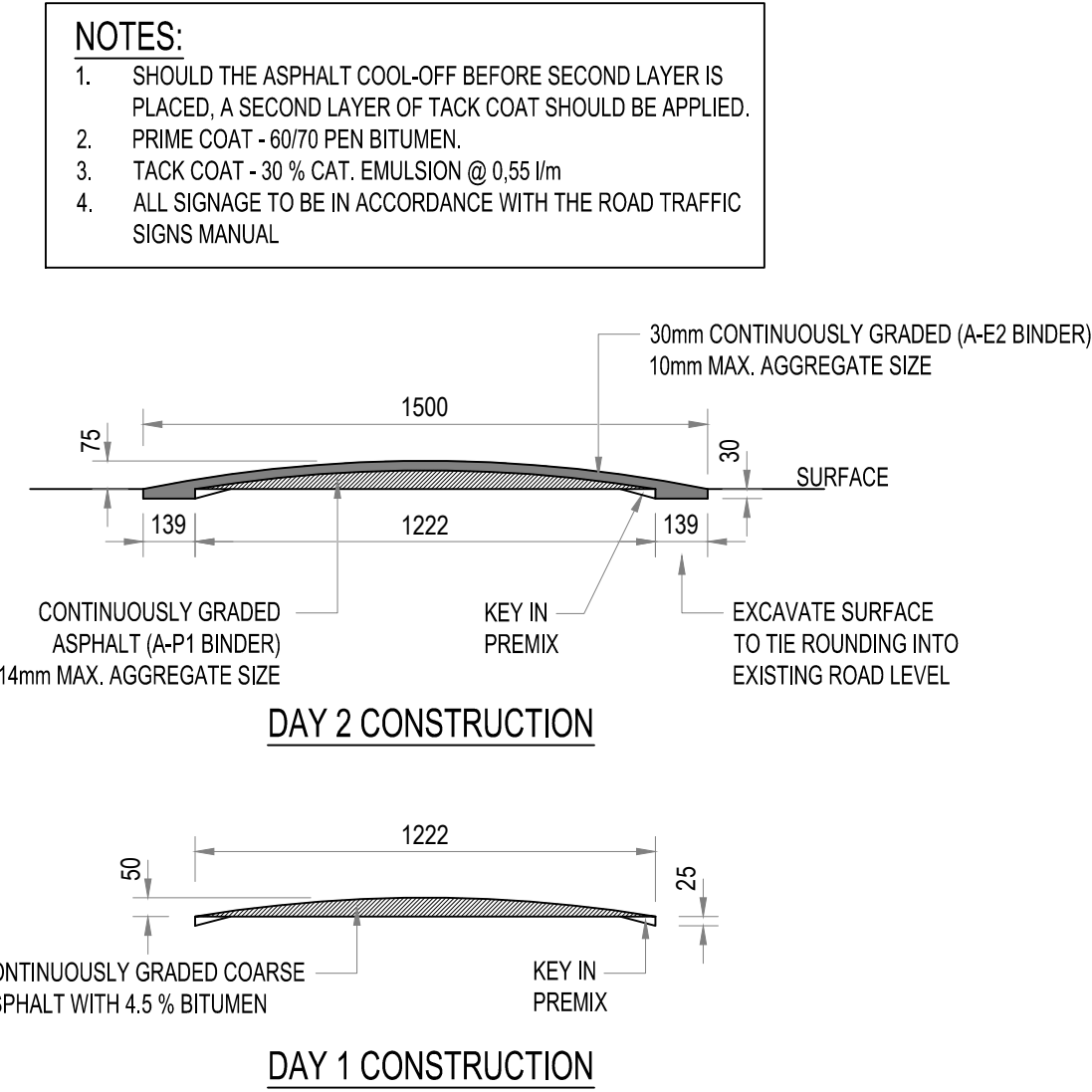
TYPICAL PLACING OF GM4.1 ARROWS  
AT SPEED HUMP APPROACHES  
SCALE 1:100



ROAD MARKING CONFIGURATION  
SCALE 1:50

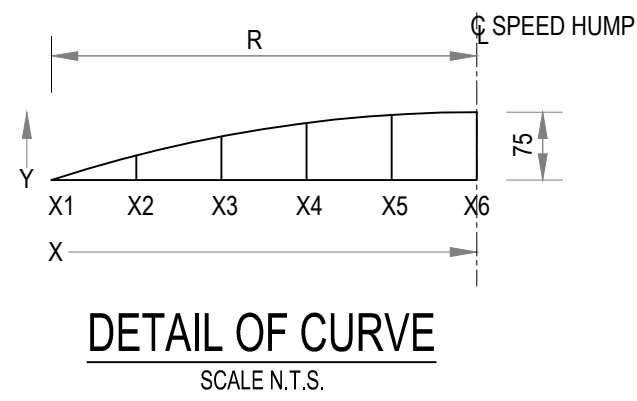


TYPICAL STOP DETAIL  
(CURVED CORNERS)  
SCALE 1:100



CONSTRUCTION DETAIL OF SPEED HUMPS  
SECTION A-A  
SCALE 1:20

SPEED HUMP CURVE DIMENSIONS - R									
Wh		R		1500		750			
X1	0	Y1	0	X2	150	Y2	27	X3	300
X3	300	Y3	48	X4	450	Y4	63	X5	600
X5	600	Y5	72	X6	750	Y6	75		



DETAIL OF CURVE  
SCALE N.T.S.

#### Road markings and signs specifications.

All road markings and road traffic signs shall be in accordance with the South African Road Traffic Signs Manual. (S.A.R.T.S.M.U.) (Road marking applications: Chapter 2 Volume 2)

All road markings shall be done in: Hot applied thermos plastic paint (1.5 mm thick) or two part Cold Plastic Paint (1.2 mm thick), High build water base paint (8 mm thick) or combined. **Cycle lanes, water base, 45mm thick, skid resistant - (RAL 6024 or Red Std 595 - 34108 Green). All paint to be SABS, European or British standard or equivalent. Please do not to manufacturers paint application specs. Water based paint (at least .3mm thick) have to be applied on newly laid asphalt as an emergency, or temporary solution, (make safe) as it does not "bleed" or lift up. Please keep in mind when using water base paint on newly laid bituminous surface, to cater for the curing time, and for the velocities to evaporate (six to eight weeks). A FINAL application in close interval will be needed as the first coat of thin water base paint will quickly fade and get dirty.**

All road markings shall be reflective evenly. (Glass Beads). (Please note that several reflectivity tests might be requested after 30 days of completion if deemed not to Municipality standards.) Municipality will not sign off if road marking are faded, damaged or inferior paint was applied. All old or wrong markings shall be removed by means of sand blasting, water jetting or shot blasting. Under no circumstances will markings be "blacked out" permanently with paint or any other substance. All road markings will have a 12 month maintenance guarantee.

After approved road marking, and or road signs plan from J.R.A. is obtained, pre-marking may commence. Before any paint is applied to the road surface, the pre-markings have to be inspected by Mr.J.P. Nortje from Traffic Engineer's department, to obtain "go ahead" to paint. The road marking contractor must be in possession of an approved Municipality drawing. (As per stamp below).

All traffic sign poles shall be D shape 76mm OD x 2mm wall thickness galvanized treated poles, capped with a 12mm hole drilled 200mm from the bottom for a safety pin (150mm long). All street name poles can be round shape galvanized treated for bracket mountings. Use most concrete backfill on all poles (All signs min 2.1m from ground level) (No poles in walkway). All street signs will be 1.4mm min cromadeck SABS approved steel. All sign face material shall be retro reflective class 3 HIP SABS approved material. W 401 to W 418 symbols and legends to be silk screened. All other specification on Traffic sign sizes and direction signs can be obtained from Mr.J.P. Nortje.

Location: \_\_\_\_\_  
Applicant: \_\_\_\_\_  
Drawings No: \_\_\_\_\_

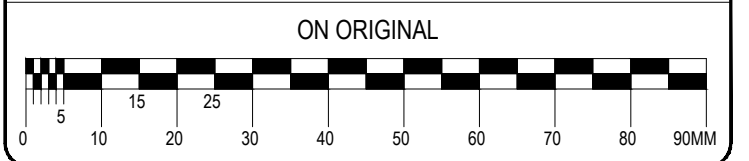
CHECKED  
Please correct and return: \_\_\_\_\_ For approval: \_\_\_\_\_  
Date: \_\_\_\_\_ Signed: \_\_\_\_\_

J.P. Nortje, Manager Quality Assurer. Joburg Road Agency. Road signs and markings. Mobile 076 170 5363

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

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#### GENERAL NOTES:

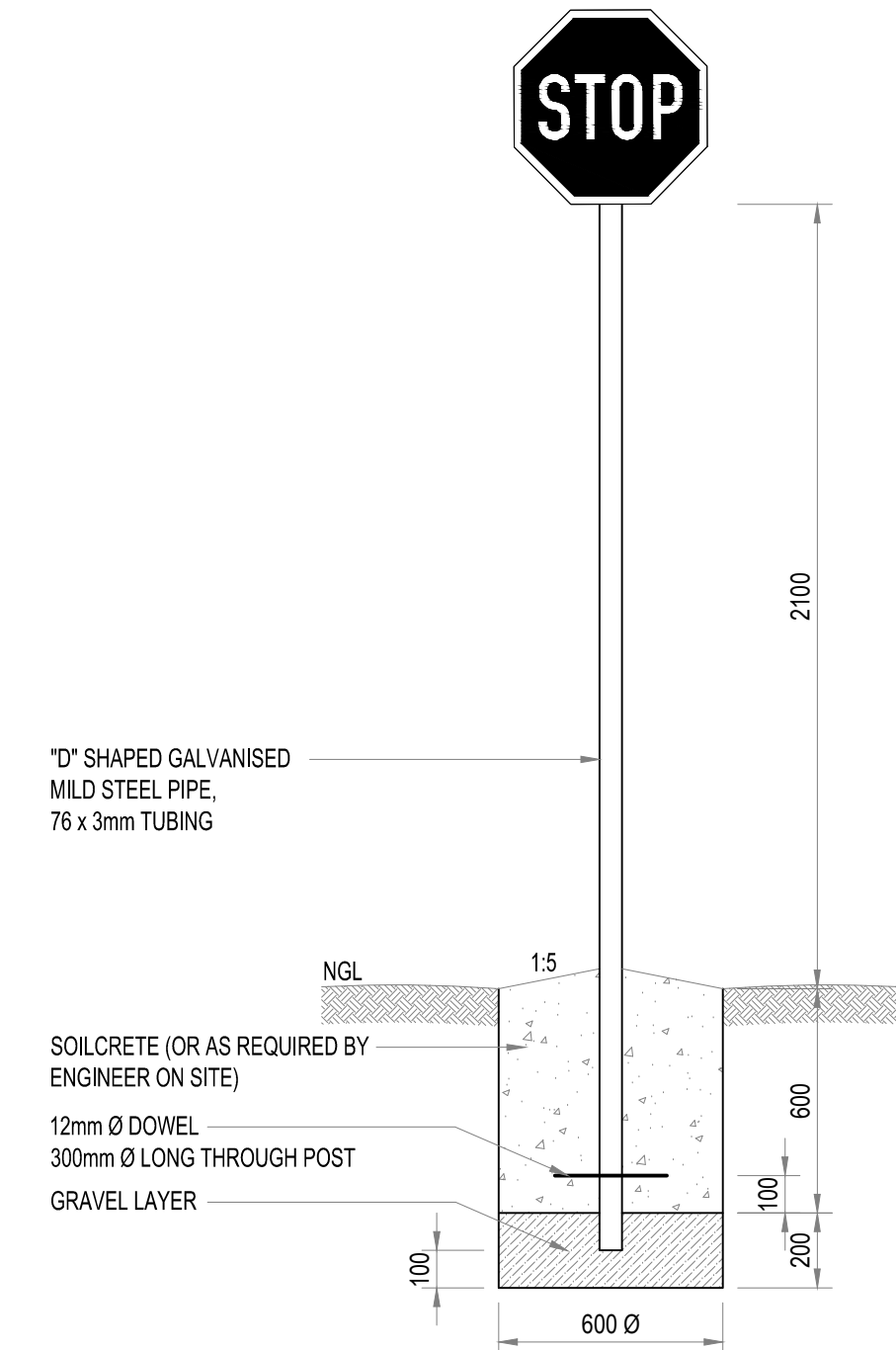
- CONTRACTOR TO ENSURE ACCESS TO RESIDENTIAL STANDS AT ALL TIMES DURING CONSTRUCTION
- THE ONUS REST UPON THE CONTRACTOR TO IDENTIFY SPILL AND TEMPORARY STOCKPILE AREAS IN THE VICINITY OF THE WORKS
- THE ONUS REST UPON THE CONTRACTOR TO VERIFY THE POSITION OF EXISTING SERVICES AND TO EXPOSE AND PROTECT THESE SERVICES BEFORE COMMENCING WITH THE WORKS

#### SPEED HUMP:

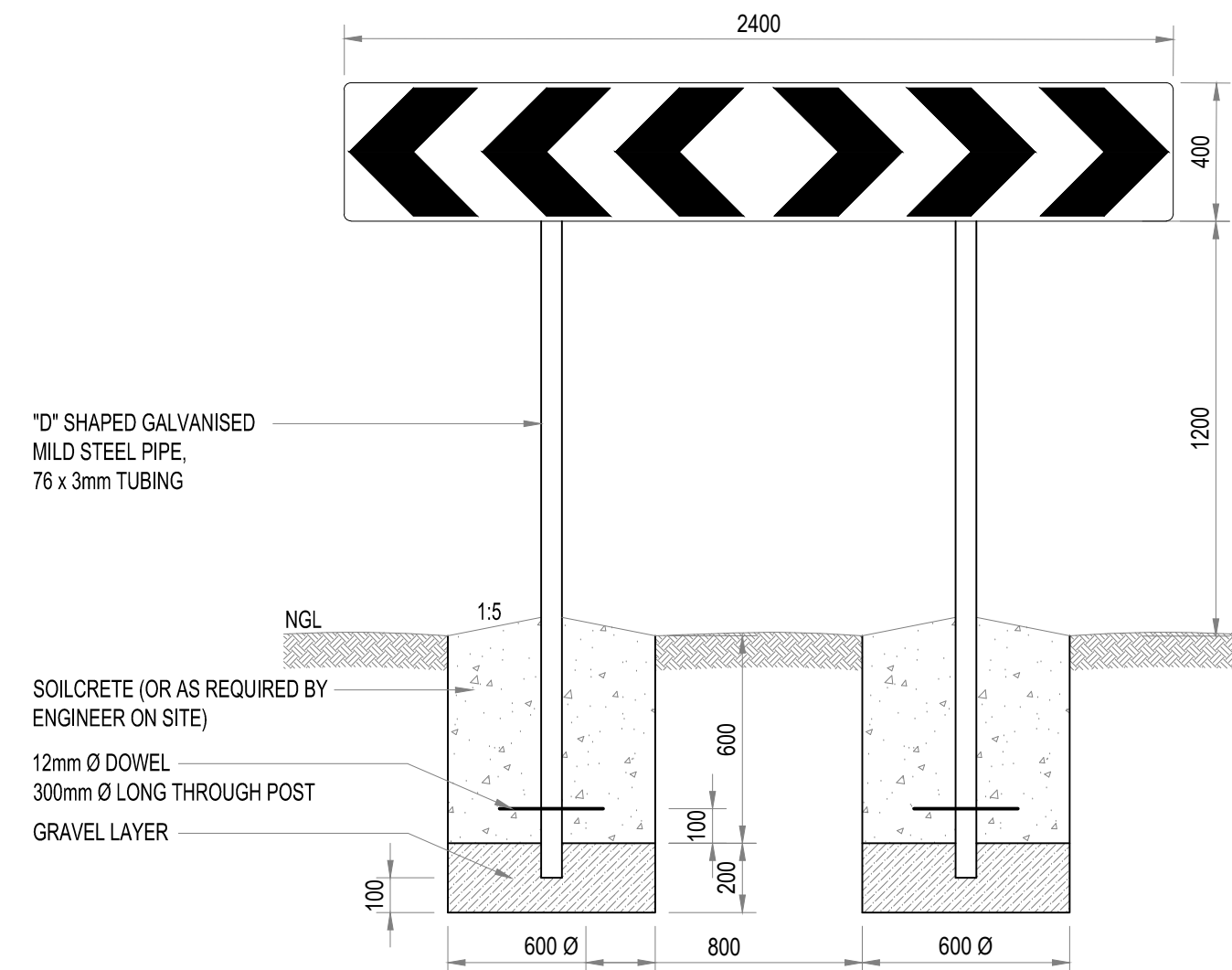
- POSITION OF SPEED HUMP IS APPROXIMATE. ACTUAL POSITION OF SPEED HUMPS IS MARKED ON SITE.
- CONTRACTOR TO CONFIRM SPEED HUMP POSITIONS PRIOR TO COMMENCING CONSTRUCTION.

#### TRAFFIC ACCOMMODATION:

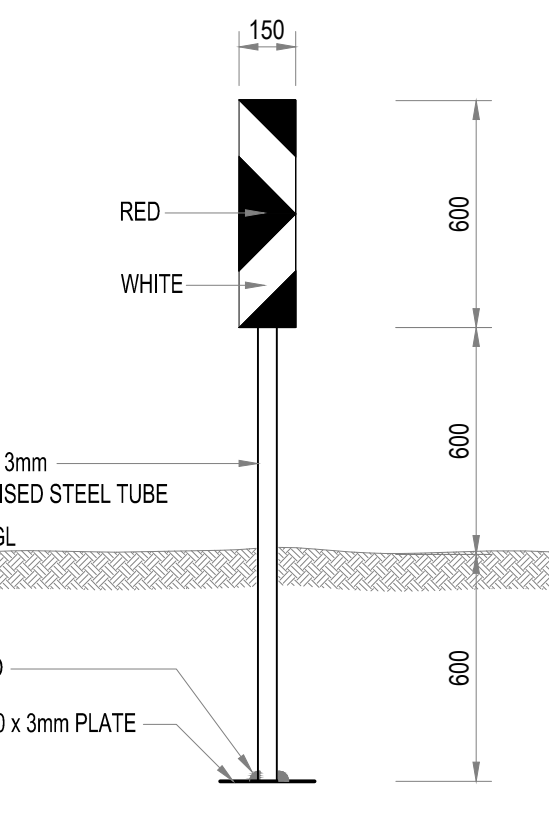
- CONTRACTOR TO COMPLY WITH SARTMS SPECIFICATIONS AND STANDARDS



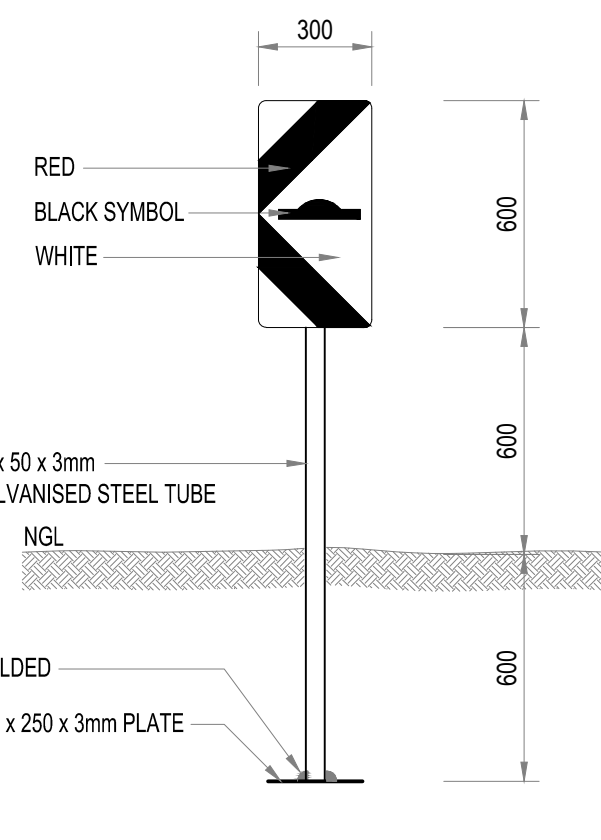
FOUNDATION DETAIL  
R1 & W332  
SCALE 1:20



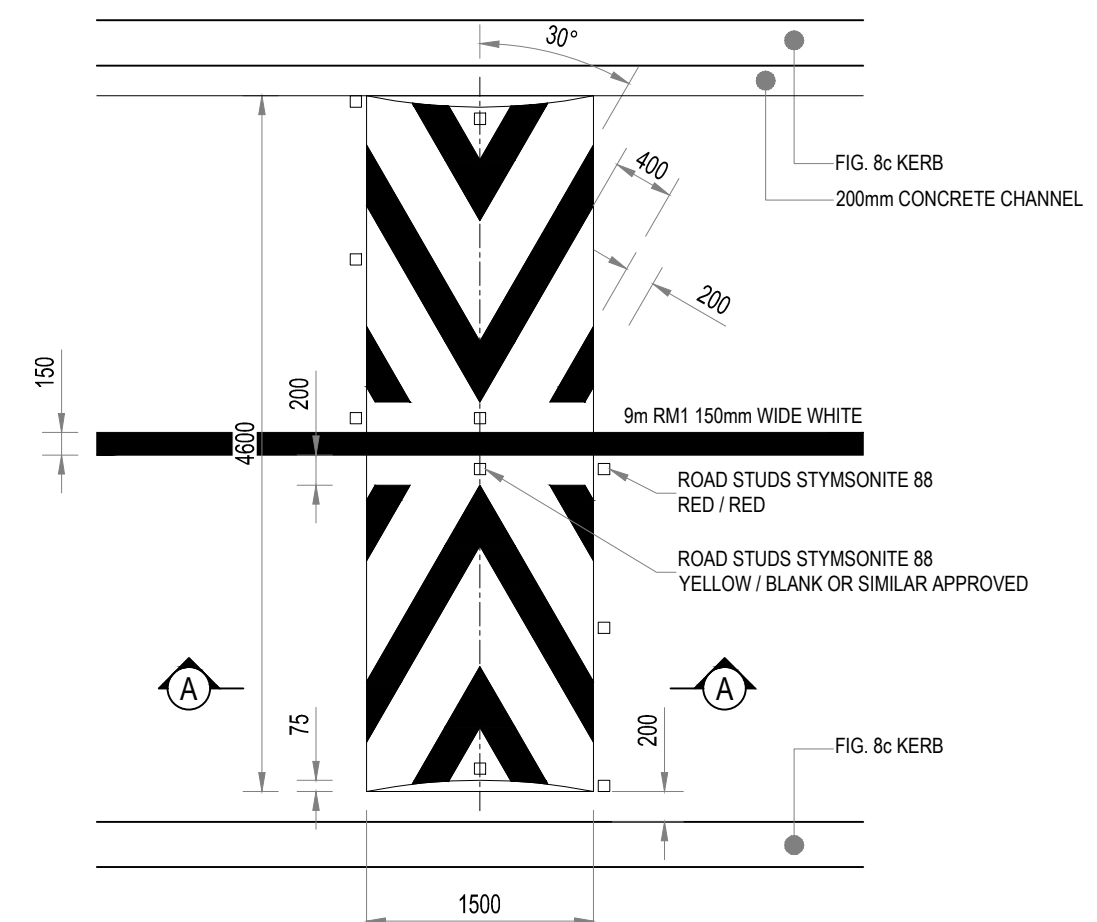
FOUNDATION DETAIL  
W409  
SCALE 1:20



FOUNDATION DETAIL  
W401 & W402  
SCALE 1:20



FOUNDATION DETAIL  
W416 (LEFT) & W417 (RIGHT)  
SCALE 1:20



SPEED HUMP DETAIL  
SCALE 1:50

CLIENT:



MOGALAKWENA MUNICIPALITY

54 Relief Street  
Mokopane  
0801

TEL: (015) 491 9600  
FAX: (015) 491 9038

PROJECT:

CONTRACT No. :

UPGRADING OF GRAVEL ROADS AND STORMWATER IN  
MOORDKOPPIE CLUSTER MOLEKANE VILLAGE

DESIGN COORDINATOR APPROVAL:

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT MANAGER APPROVAL:

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

CLIENT APPROVAL:

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

REV	DATE	DESCRIPTION	DRAWN
A	JUL. 2020	ISSUED FOR TENDER PURPOSE ONLY	MLM
REV	DATE	DESCRIPTION	DRAWN

#### REVISIONS

DRAWN: ML. MATHEGA	CHECKED: S. SITHOLE	DESIGNED: A. JUBA
SCALES: AS SHOWN	DATE: SEPTEMBER 2020	
DRAWING TITLE:	MOLEKANE VILLAGE; STANDARD DETAILS, SHEET 4 OF 7	
SIZE: A0	PROJECT No.	
REV No. A	DRAWING No.	ROMH-042-07-05-04

CONSULTANTS:



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FOR TENDER