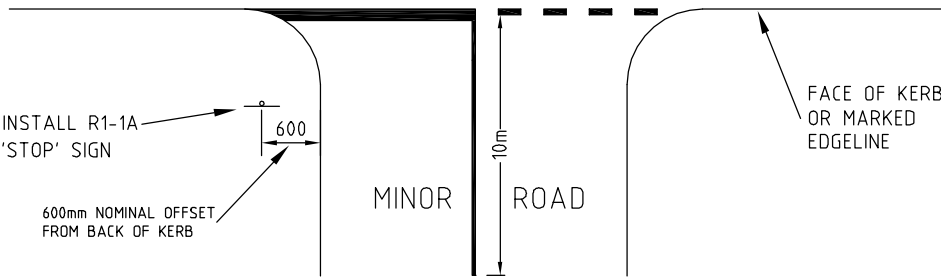
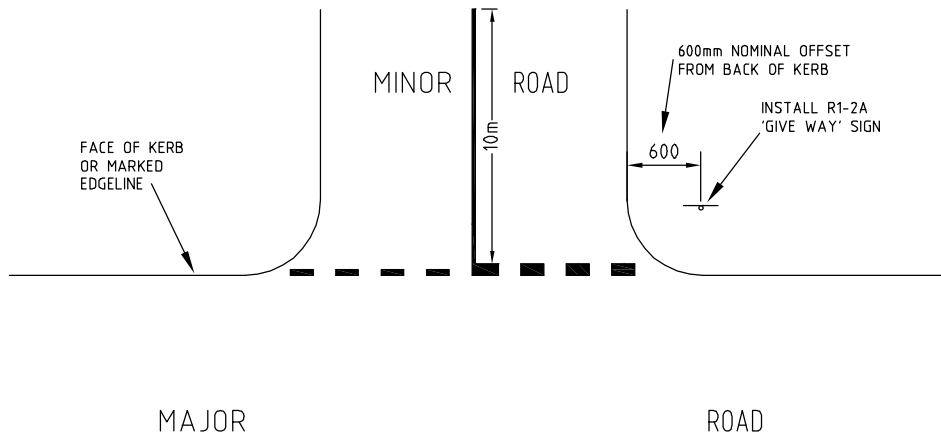
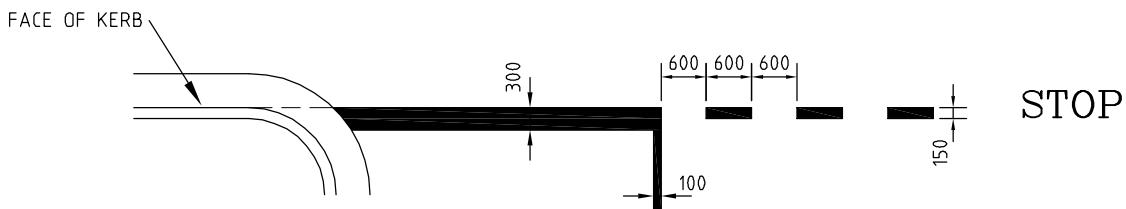
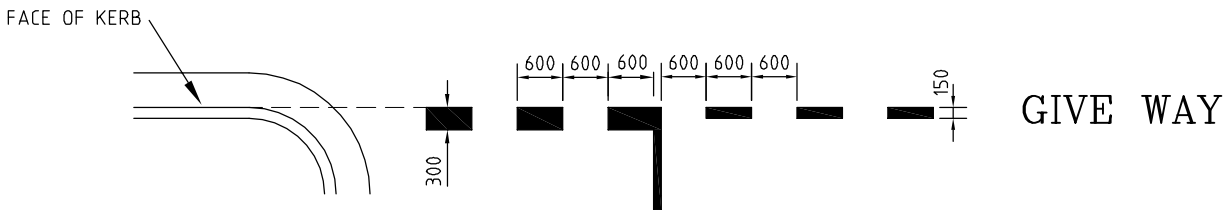


NOTE - SIZE OF SIGNS TO BE CONFIRMED BY SUPERINTENDANT'S REPRESENTATIVE PRIOR TO INSTALLATION



PLAN



DETAILS OF MARKINGS

KINGSTON CITY COUNCIL  
STANDARD DRAWING

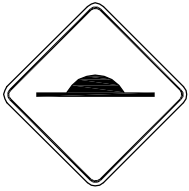
DRG. NO. S601

ISSUE DATE: 22/03/12

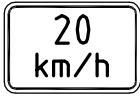
'GIVEWAY' AND 'STOP' LINEMARKING AND SIGNAGE  
GENERAL URBAN AND RURAL USE

STANDARD DRAWING ISSUE  
CURRENT AT TIME OF  
CONSTRUCTION MUST BE USED



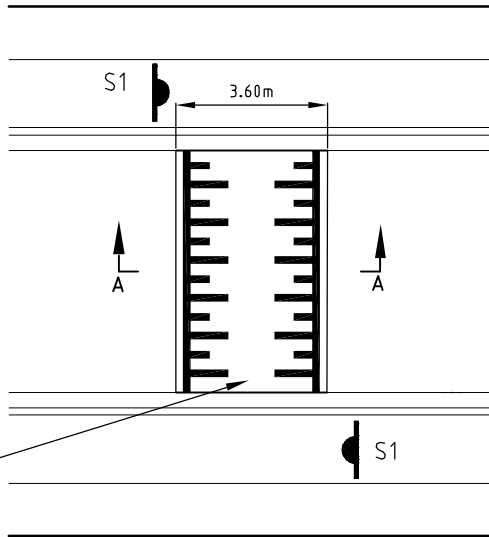


SIGN S1  
ROAD HUMP W5-10A

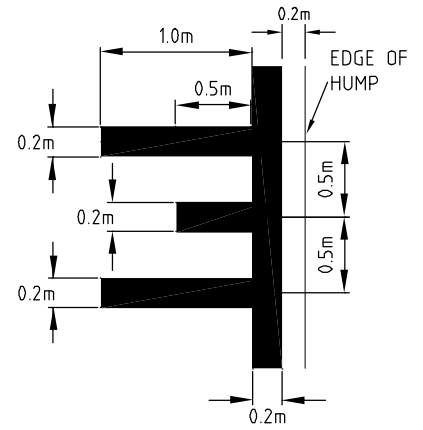


SIGN S1  
ADVISORY SPEED  
SIGN...km/h W8-2A  
600x400

THE HUMPS SLOPE DOWN  
TO MEET THE LEVEL OF THE  
LIP OF CHANNEL OVER 600mm

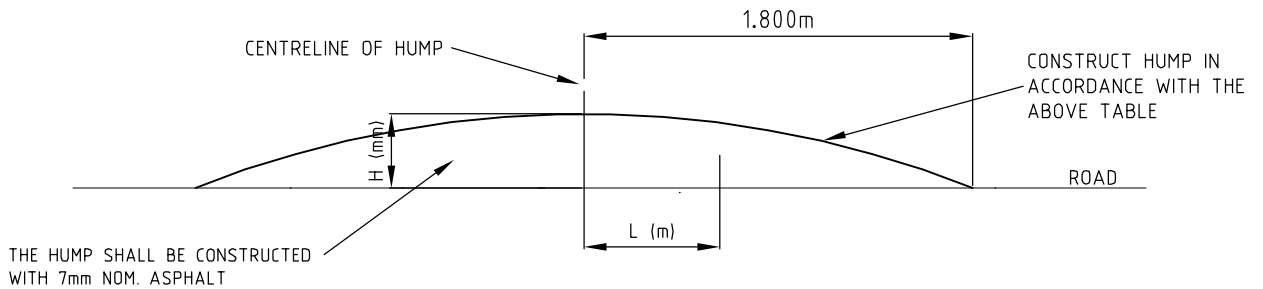


PLAN



LINE MARKING

| WATTS PROFILE SPEEDHUMP PROFILE |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L (m)                           | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 |
| H (mm)                          | 100 | 100 | 99  | 97  | 95  | 93  | 90  | 86  | 81  | 76  | 71  | 65  | 58  | 51  | 43  | 34  | 25  | 16  | 5   |



THE HUMPS SHALL BE CONSTRUCTED  
WITH 7mm NOM. ASPHALT

SECTION A-A

**SIGNAGE AND LINEMARKING NOTES**

1. ALL SIGNAGE TO BE MANUFACTURED IN ACCORDANCE WITH AS1742 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)
2. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL SIGNS, RRPM'S AND LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2, "SIGNS AND MARKINGS"
3. ALL LINEMARKING TO BE CARRIED OUT BY A CONTRACTOR APPROVED BY COUNCIL'S SUPERINTENDENT'S REPRESENTATIVE.
4. ALL LINEMARKING MATERIALS TO BE THERMOPLASTIC IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATIONS FOR ROADWORKS AND BRIDGEWORKS SECTION 722 PART D: LONGLIFE PAVEMENT MARKINGS IN THERMOPLASTIC OR COLD-APPLIED PLASTIC WITH GLASS BEADS AND OTHER REQUIREMENTS.

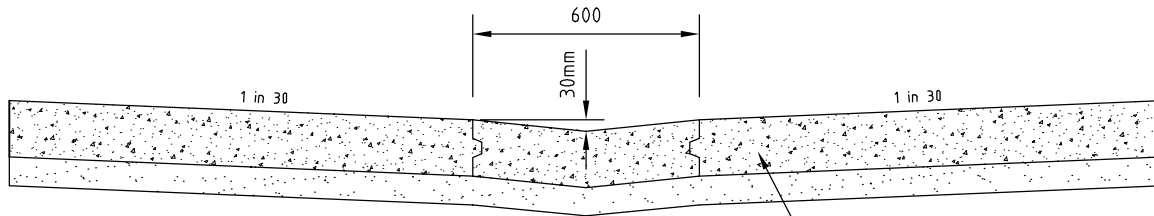
**KINGSTON CITY COUNCIL**  
STANDARD DRAWING

DRG. NO. **S604**

ISSUE DATE: 22/03/12

'WATTS' PROFILE SPEED HUMP

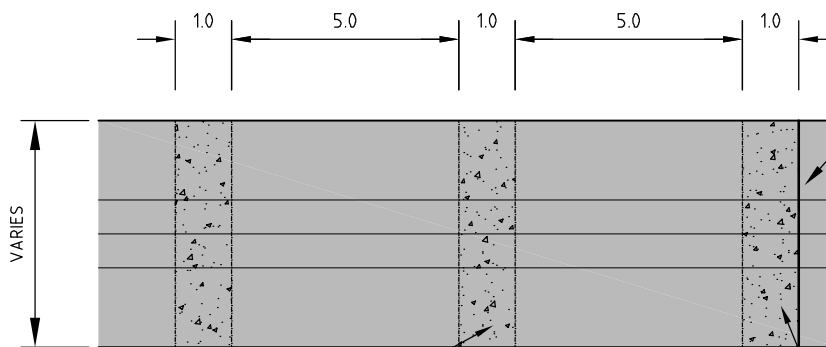
STANDARD DRAWING ISSUE  
CURRENT AT TIME OF  
CONSTRUCTION MUST BE USED



### TYPICAL CROSS SECTION

NOT TO SCALE

150mm DEPTH 32MPa CONCRETE PAVING ON 75mm DEPTH OF COMPACTED 20mm NOM. SIZE CLASS 2 CRUSHED ROCK. CONCRETE TO BE FULL DEPTH BLACK COLOUR USING A DOSAGE RATE OF 8.3% COLOUR BY WEIGHT IN GREY CEMENT.



EXPANSION JOINTS ARE TO BE CONSTRUCTED AT EVERY THIRD BAND

CONSTRUCT TOOL JOINTS TO COINCIDE WITH EDGES OF 1m BANDS.

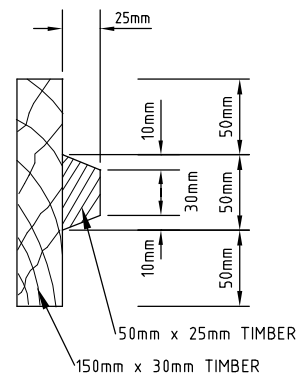
FULL LENGTH OF RIGHT OF WAY TO HAVE 1m WIDE EXPOSED AGGREGATE BANDS AS PER THE TYPICAL LAYOUT SHOWN.

### TYPICAL LAYOUT PLAN

NOT TO SCALE

### NOTES:

1. CONCRETE STRENGTH TO BE 32MPa AT 28 DAYS
2. PAVEMENT DEPTH SHOWN IS FOR RIGHTS ABUTTING RESIDENTIAL PROPERTIES WITH SUBGRADES OF A MINIMUM CBR OF 10. FOR LOCATIONS INVOLVING LOWER CBR'S OR WHERE COMMERCIAL TRAFFIC CAN BE ANTICIPATED PAVEMENT DEPTH AND REINFORCING STEELS IS TO BE DESIGNED ON A SITE SPECIFIC BASIS.
3. EXPOSED BANDS ARE TO BE POURED MONOLITHICALLY WITH ADJOINING COLOURED CONCRETE.
4. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT EVERY THIRD BAND USING A 'CONNOLLY EXPANSION JOINT'. CONTACT 'CONNOLLY KEY JOINT' ON 1800 335 215 FOR DETAILS.
5. THERE ARE MULTIPLE CHEMICAL RETARDENTS READILY AVAILABLE TO PROVIDE THE EXPOSED AGGREGATE FINISH.
6. THE RETARDER IS TO BE APPLIED IN A UNIFORM APPLICATION TO THE FRESHLY PLACED CONCRETE SURFACE PRIOR TO THE INITIAL SET.
7. ONCE THE CONCRETE HAS SET THE SOFT CEMENT PASTE MAY BE BRUSHED OFF. EXACT TIMING OF THE CHEMICAL APPLICATION AND CEMENT PASTE REMOVAL IS TO BE IN ACCORDANCE WITH THE MANUFACTURERS DETAILS.



### KEY DETAIL

NOT TO SCALE

KINGSTON CITY COUNCIL  
STANDARD DRAWING

DRG. NO. S605

ISSUE DATE: 22/03/12

STANDARD RIGHT OF WAY  
CONSTRUCTION DETAILS

STANDARD DRAWING ISSUE  
CURRENT AT TIME OF  
CONSTRUCTION MUST BE USED