

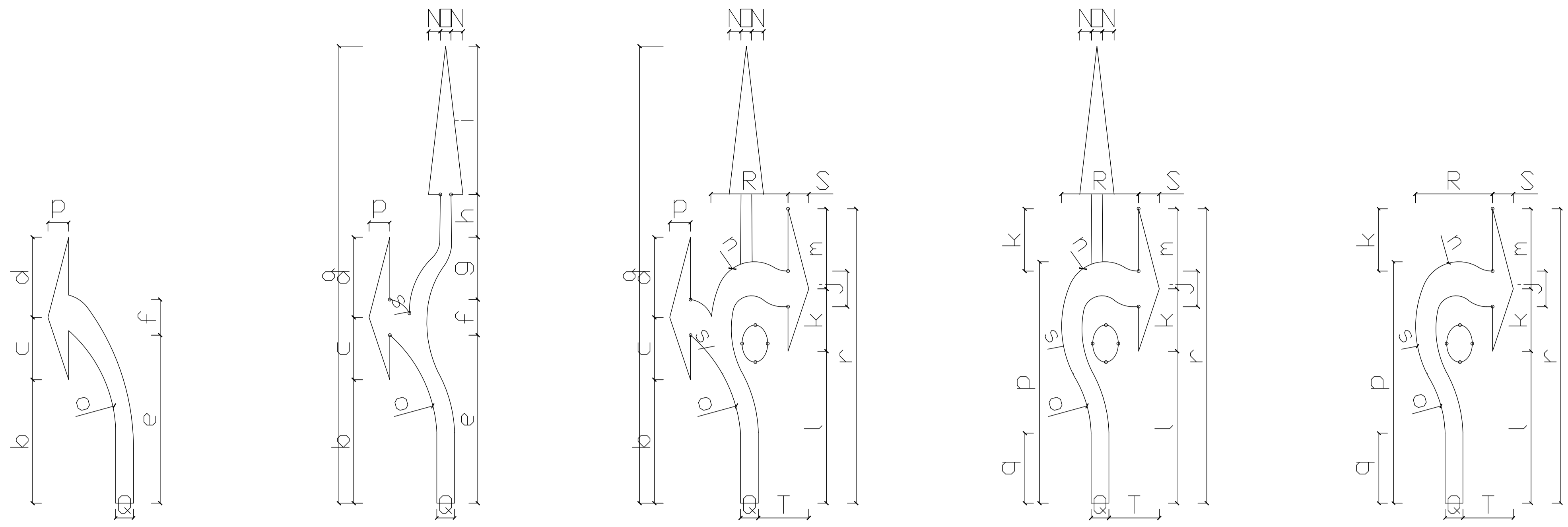
NOTES AND SPECIFICATIONS

- ROAD MARKING NOTES**
- EXISTING ROAD MARKINGS NOT AFFECTED SHALL BE LEFT AS THEY ARE AND REPAINTED WITHIN THE LIMITS OF CONSTRUCTION.
 - EXISTING ROAD MARKINGS WHICH ARE IN CONFLICT WITH THE NEW ROAD MARKINGS MUST BE REMOVED BEFORE THE NEW MARKINGS ARE PAINTED.
 - ALL REMOVAL OF ROAD MARKINGS WILL BE DONE BY MEANS OF SAND BLASTING OR SIMILAR APPROVED METHOD.
 - ALL ROAD MARKINGS MUST BE CHECKED AND APPROVED AT PRE-MARKING STAGE BY TSHWANE ENGINEERS BEFORE ANY PAINTING TAKES PLACE
 - ALL ROAD MARKINGS TO BE PAINTED TO THE REQUIREMENTS OF SADC-RTSM.
 - THE LENGTH OF THE ARROW ROAD MARKINGS MUST COMPLY WITH THE ROAD TRAFFIC SIGNS MANUAL VOLUME 4 CHAPTER 12.
 - ALL NEW SURFACING MARKINGS DONE IN THE FIRST 4 WEEKS WILL BE REGARDED AS TEMPORARY.
 - ALL TEMPORARY MARKINGS CAN BE DONE IN WATER BASE PAINT.

- ROAD PAINT SPECIFICATIONS**
- ALL LONGITUDINAL ROAD MARKINGS TO BE 1,2mm THERMOPLASTIC.
 - ALL SMALL HAND TYPE MARKINGS NAMELY STOP LINES, YIELD LINES, PEDESTRIAN CROSSING LINES, BLOCK PEDESTRIAN CROSSINGS, SPEED HUMPS, ARROWS AND SYMBOLS TO BE IN THERMOPLASTIC (1,2mm THICK) OR TWO COMPONENT COLD PLASTIC (MMA - METHYL METHACRYLATE) APPLIED AS A SCREED (1MM THICK). PLASCON BRICK AND CONCRETE MARKING PAINT CODES BTP 1 (WHITE) AND BTP 28 (BLACK) SHALL BE USED FOR PAINTING OF KERBS.
 - THE FOLLOWING APPLICATION RULES WILL APPLY:

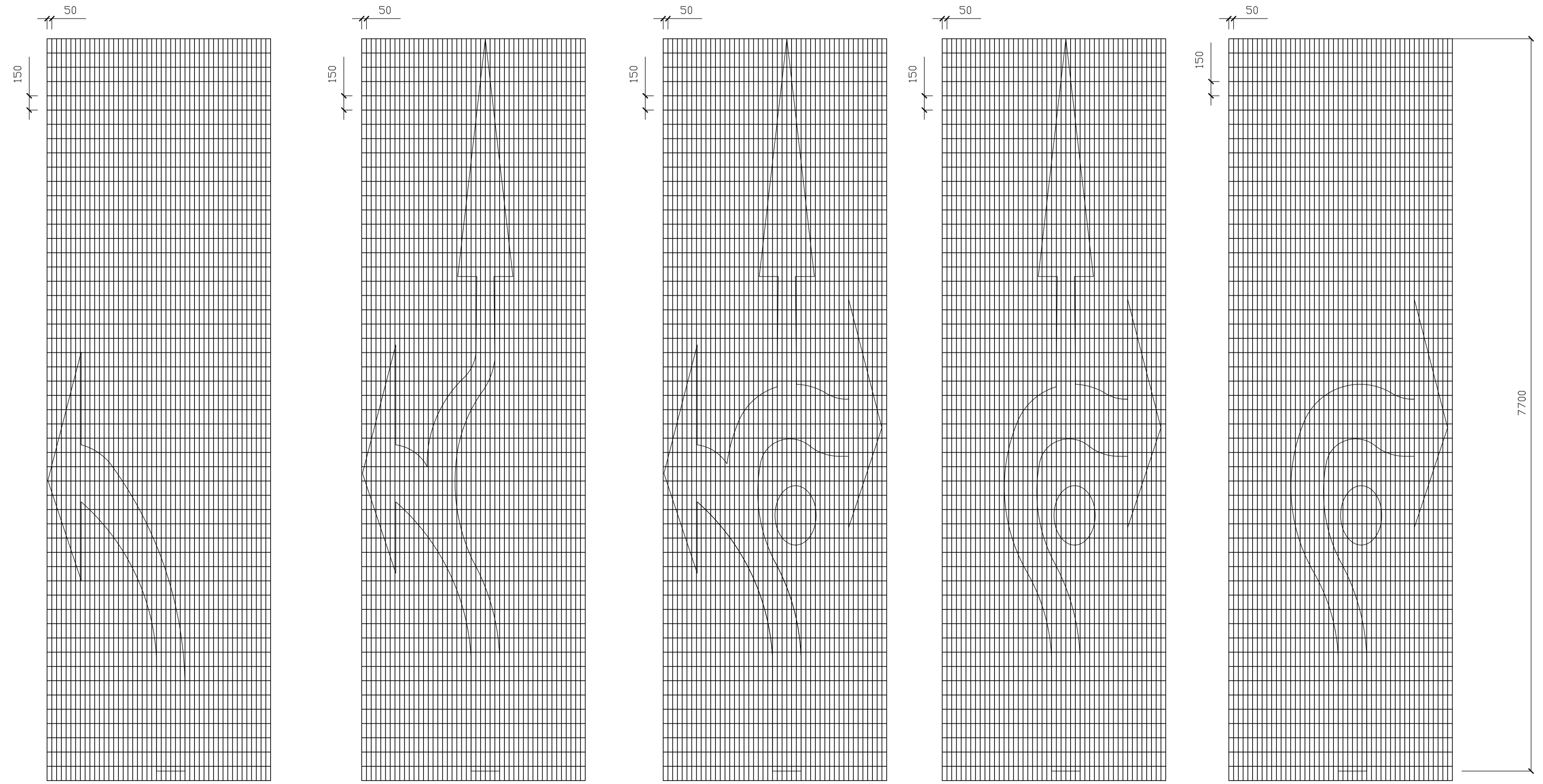
PAINT MARKING APPLICATION RATES:			
COLOUR	PAINT APPLICATION RATE (mm)	GLASS BEAD APPLICATION RATE (%)	INITIAL COEFFICIENT OF RETRO-REFLECTIVITY (MINICANDELA/S/LUX/M ²)
WHITE	1,2	35	250
YELLOW	1,2	35	135

- ALL SERVICE MARKERS LETTERS TO BE PAINTED ON CONCRETE KERBS, WITH BLACK PAINT ON WHITE PAINTED BACKGROUND, ACCORDING TO C&T DETAIL DRAWING 7515-W211



ARROW SIZES

Operating speed km/h	Applications	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	N	O	P	Q	R	S	T
ALL	Special	7700	2080	1050	1350	2830	600	1050	720	2500	600	1050	2560	1350	R640	R1935	4065	1180	4960	R1780	200	180	350	300	1300	350	850



AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED BY J. CRONJIE P/ Tech Eng	DRAWN BY S. AUDIE
DESIGN CHECKED BY S. NAIKOO P/ Tech Eng	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

**CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT**

GROUP HEAD
Mr. Letloikane P. (Pheko)
P.O. BOX 1409
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DIVISIONAL HEAD
Mr. Marven K. Thagale
P.O. BOX 1409
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TRANSPORT INFRASTRUCTURE DESIGN AND CONSTRUCTION DIVISIONAL HEAD
Mr. K. Thagale (Marven)

TRANSPORTATION PLANNING DIVISIONAL HEAD
Mr. L. Swaneppel (Lourens)

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

**TYPICAL STANDARD
DETAILS**

**ROAD MARKINGS
ROUND ABOUT ARROWS**

CONTRACT No.:	PROJECT No.:
DATE: NOVEMBER 2020	SCALE: NOT TO SCALE
DRAWING NO. STD025	SHEET NO. 4 OF 5