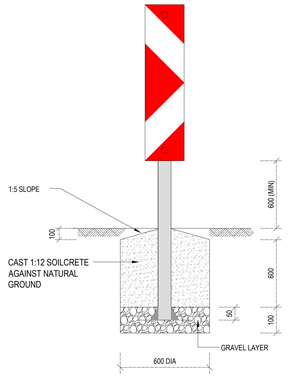


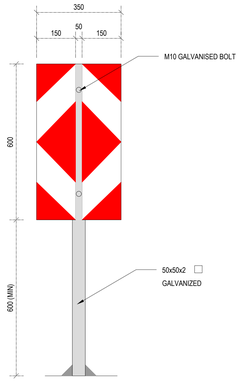
TYPICAL SIDE ELEVATION



FOUNDATION DETAIL

W401 DELINEATOR SIGN

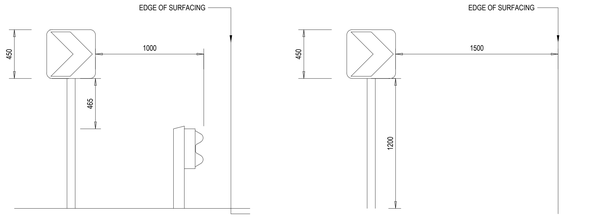
N.T.S.

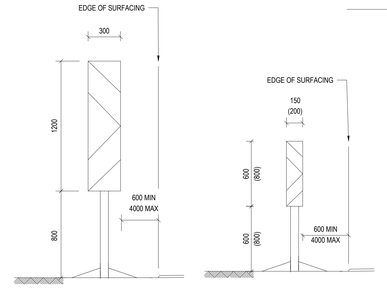


FRONT ELEVATION

W413 GORE PLATE

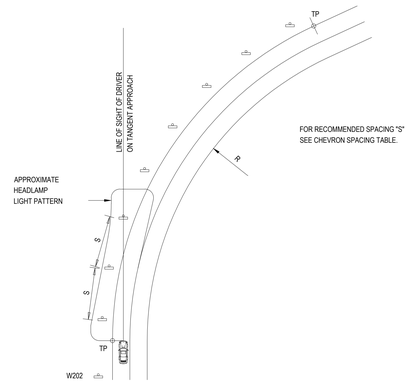
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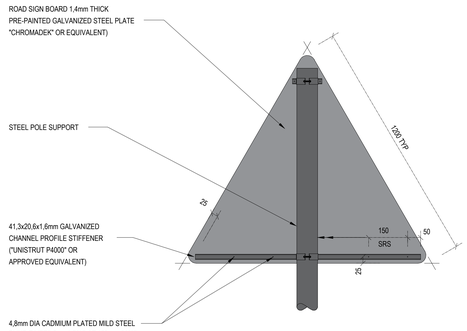




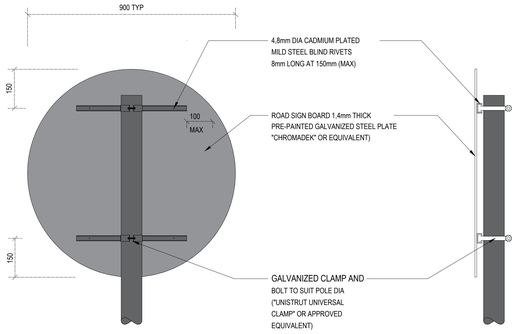
FOR BRIDGE COLUMNS

MIN SIZE: 0 - 80 km/h: 600x150mm 81 - 120km/h: 800x200mm

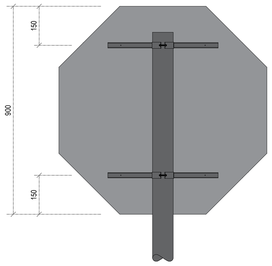




REAR ELEVATION



REAR ELEVATION



TYPICAL SIDE ELEVATION

CONTROL SIGNS

REGULATORY AND WARNING SIGNS

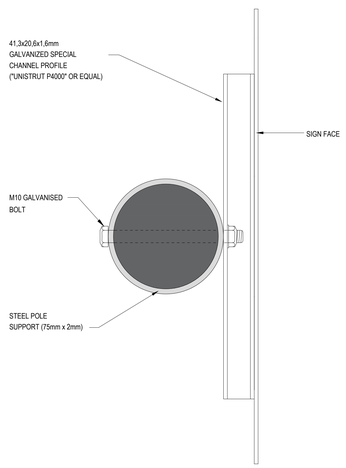
N.T.S.

CHEVRON SPACING	
CURVE RADIUS (m)	SINGLE MODULE SPACING "S" (m)
60	8 - 15
150	15 - 25
300	25
600	25

NOTES:

1. A MINIMUM OF 5 CHEVRON ARROWS PER DIRECTION ARE NORMALLY REQUIRED.
2. AT LEAST 3 CHEVRON ARROWS SHOULD BE VISIBLE AT ANY ONE TIME.
3. WHERE RADII ARE LESS THAN ABOUT 30m A MULTIPLE CHEVRON SIGN CONSISTING OF AT LEAST 3 MODULES SHOULD BE USED
4. WHERE CHEVRON ARROWS FOR RIGHT AND LEFT HAND CURVES OVERLAP:

   (a) SPACING SHOULD REMAIN AS SHOWN IN THE TABLE AS FAR AS POSSIBLE.
   (b) WHERE THE DISTANCE BETWEEN LEFT AND RIGHT HAND CURVE CHEVRON ARROWS IS LESS THAN 2,0m PLACE BOTH CHEVRON ON A SINGLE POST BACK TO BACK.



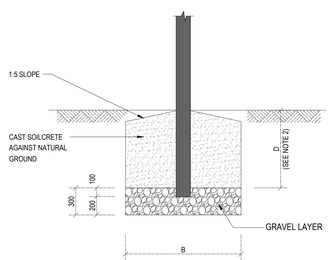
ROUND STEEL POST WITH CLAMP

NOTES :

1. DETAILS ON THIS DRAWING ARE APPLICABLE TO ROAD SIGNS SMALLER THAN 1,5m² REQUIRING A SINGLE SUPPORT.
2. THE DEPTH AND DIAMETER OF THE FOUNDATION IS DEPENDANT ON THE SIZE OF THE SIGN.

   FOR 600mm DIA SIGNS: B=900mm D=700mm
   900mm DIA SIGNS: B=900mm D=700mm
   1200mm DIA SIGNS: B=1000mm D=800mm

   FOR 900mm TRIANGULAR SIGNS: B=900mm D=700mm
   1200mm TRIANGULAR SIGNS: B=900mm D=700mm
   1500mm TRIANGULAR SIGNS: B=1000mm D=800mm



FOUNDATION DETAIL

ATTACHMENT DETAIL FOR SIGN BOARDS

N.T.S.

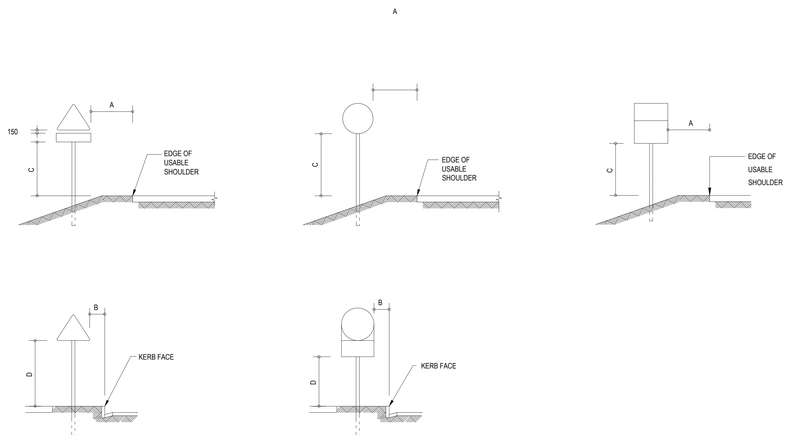


TABLE 1 PERMANENT SIGN PLACEMENT DIMENSIONS			
POSITIONING VERTICAL	POSITIONING LATERAL	PREFERRED (mm)	RANGE (mm)
	A	1500	1200-2000
	B	750	500-
C		2100	600-2500
D		2500	2100-3000
E		0	0-200
	F	1200	600-2000
G		1200	800-1600
K		2000	1600-2400
	R	1500	600-

NOTES:

1. FOR ROAD SIGNAGE AND MARKINGS SPECIFICATIONS REFER TO THE CONTENTS OF THE RELEVANT COLTO SPEC AS WELL AS THE APPLICABLE PROJECT SPECIFICATIONS.

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY



LEGEND

SYMBOL	DESCRIPTION

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	STANDARD DETAILS		18 07 25
CHECKED	C. LINDE		18 07 25
DESIGNED	STANDARD DETAIL		18 07 25
CHECKED	C. LINDE		18 07 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	H. VAN DER MERWE	DATE
SIGNATURE		18 07 25
REG. NUMBER	201270163	
TITLE	Pr. TechENG	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			

PR.ENG. / PR.TECH./PR. ARCH

NAME	DATE
SIGNATURE	
REG. NUMBER	
SCALE N.T.S.	

TRANSNET

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFRICA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
ROAD SIGNAGE SPECIFICATIONS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-13-NW-CC-D002	T2