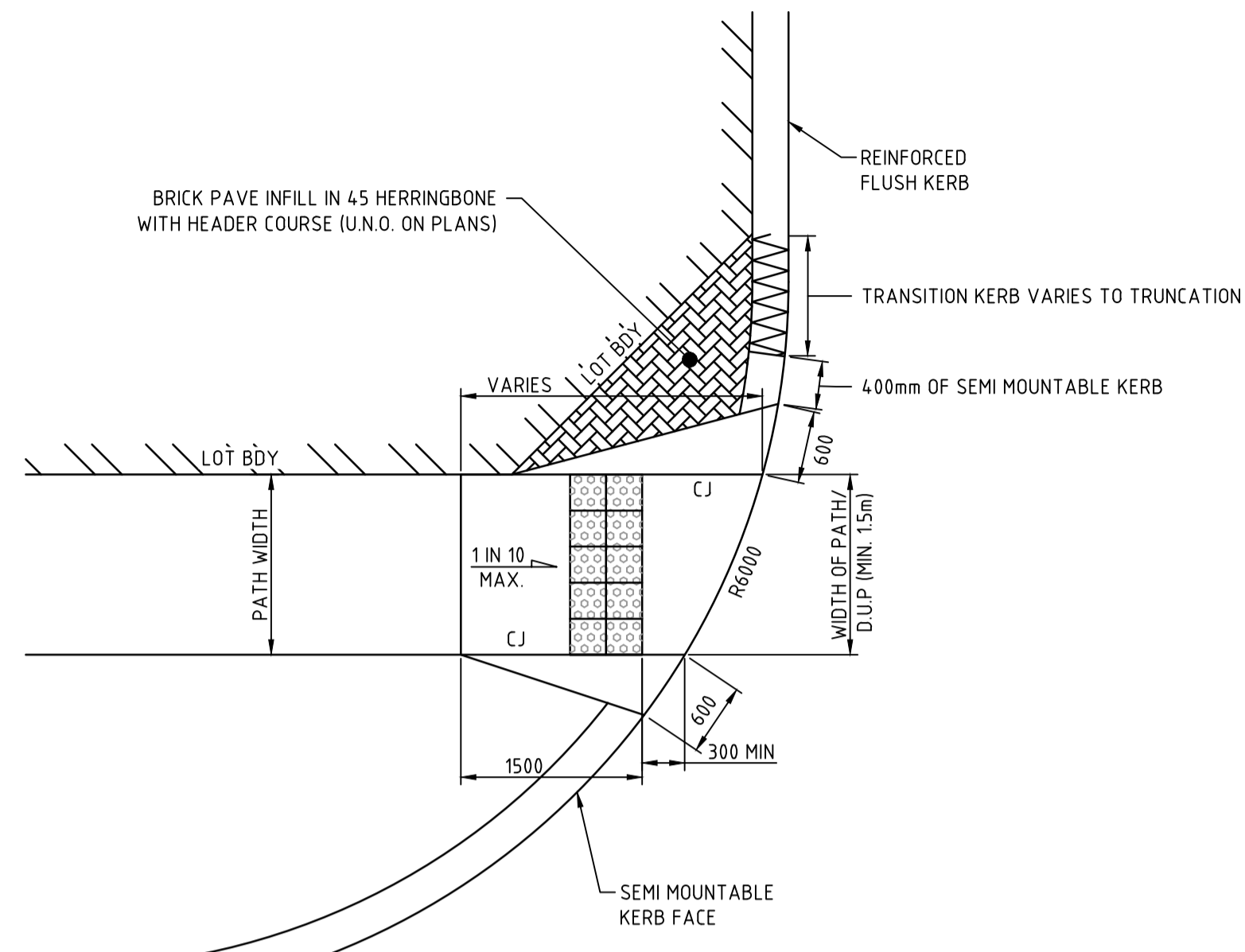
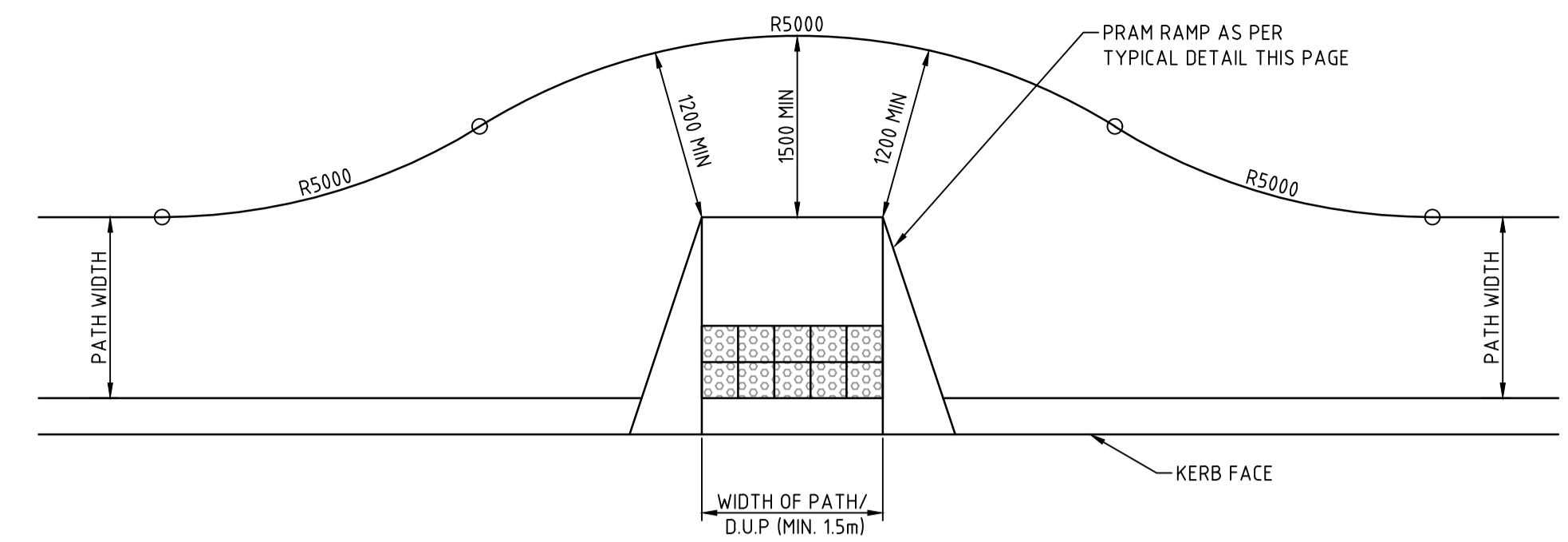


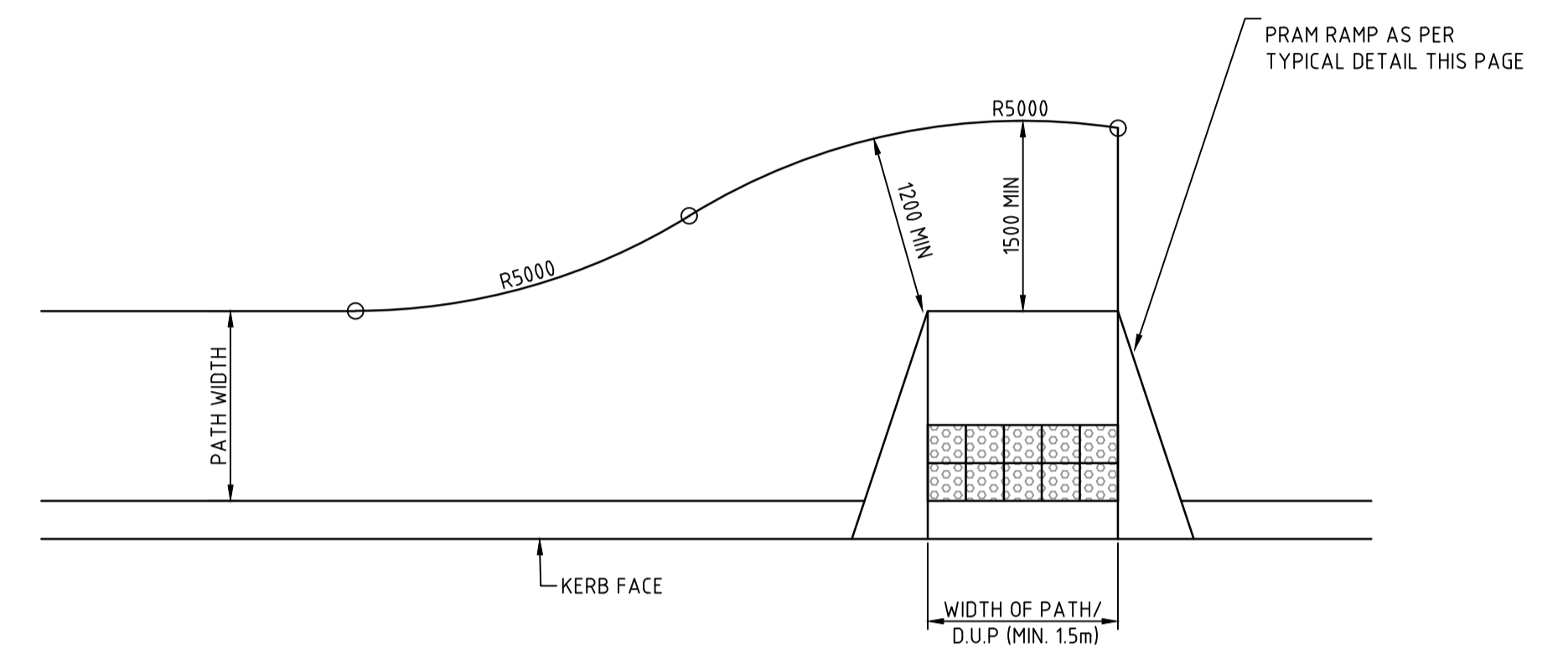
RAMP ON RADIUS
N.T.S.



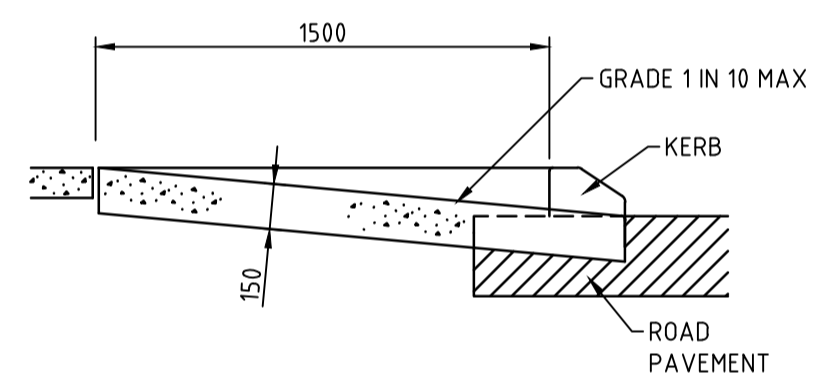
RAMP ON RADIUS (AT LANEWAYS)
N.T.S.



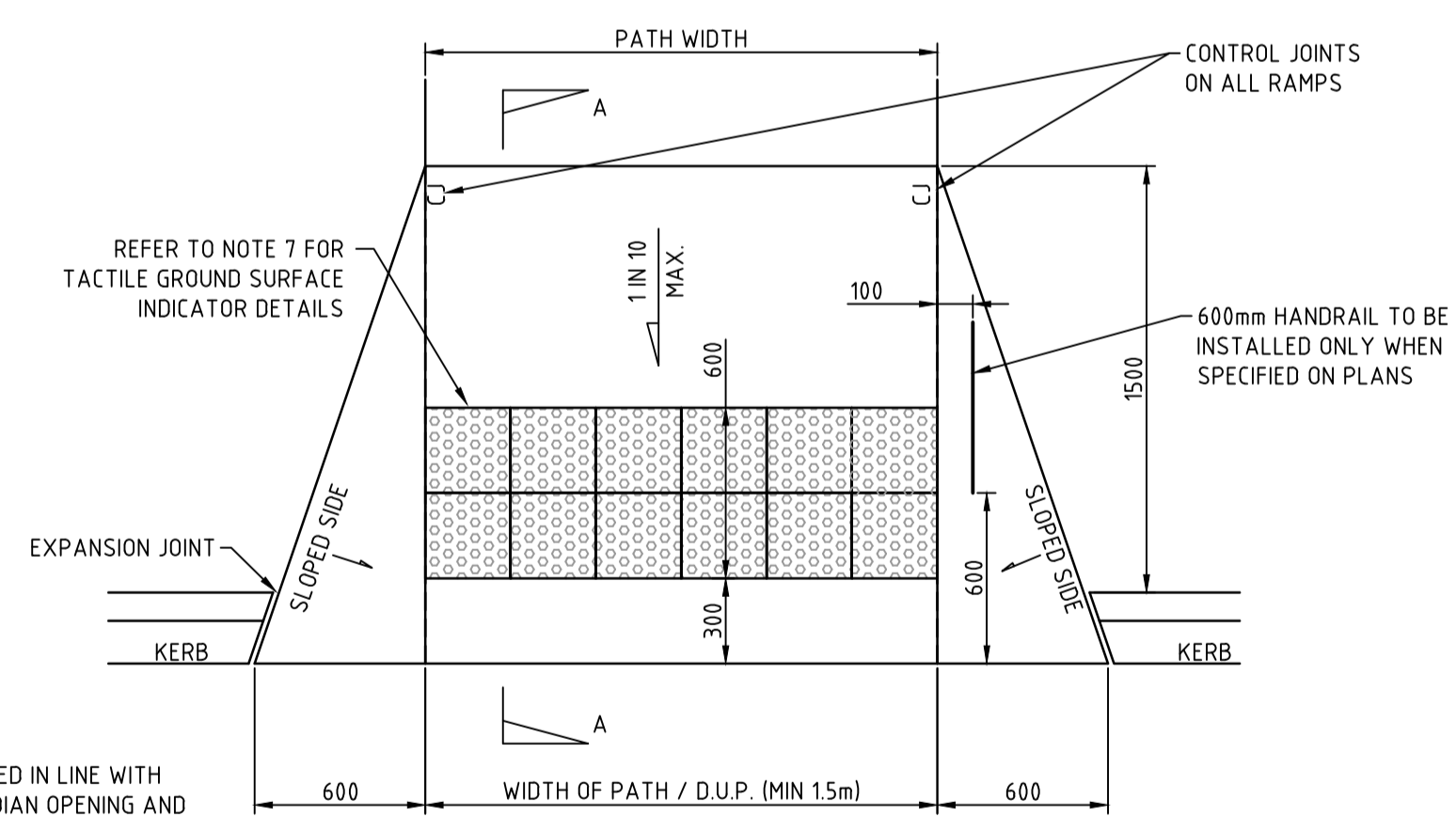
RAMP ON STRAIGHT
N.T.S.



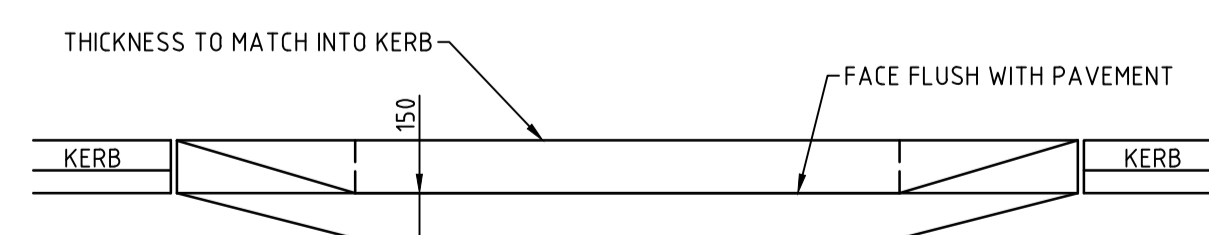
RAMP AT END OF PATH
N.T.S.



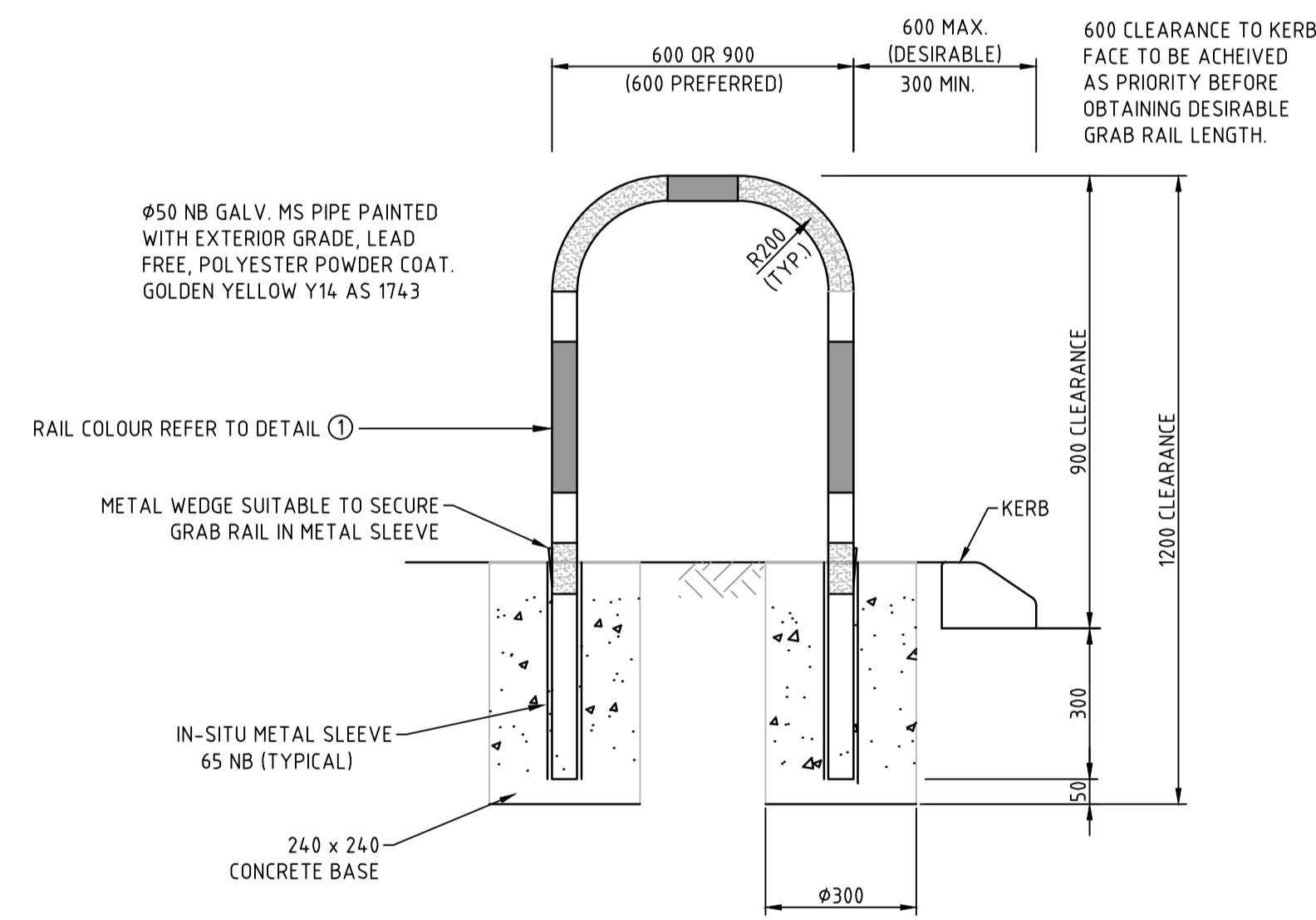
SECTION A-A (RAMP)
N.T.S.



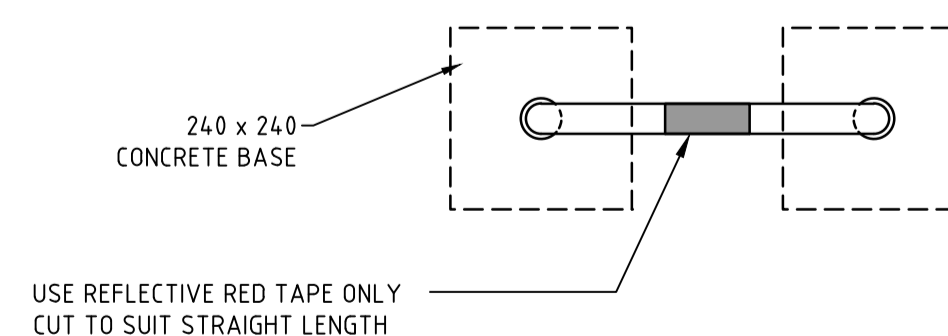
PLAN - PEDESTRIAN RAMP
N.T.S.



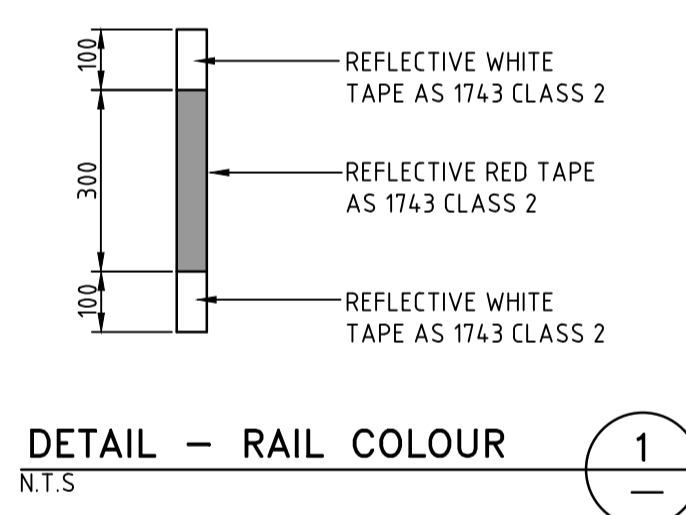
FRONT ELEVATION - RAMP
N.T.S.



ELEVATION - HAND RAIL DETAIL
N.T.S.



PLAN - HAND RAIL DETAIL
N.T.S.



DETAIL - RAIL COLOUR
N.T.S.

PRAM RAMP NOTES:

- ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
- CONCRETE SHALL BE 25 MPa COMPRESSIVE STRENGTH AT 28 DAYS FROM AN APPROVED PRE-MIX BATCH PLANT / MAXIMUM AGGREGATE SIZE 20mm AND MAXIMUM SLUMP OF 100mm.
- BEDDING TO BE MIN 100mm THICK SAND.
- FOUNDATIONS TO BE COMPACTED TO 95% MODIFIED DRY DENSITY.
- EXPANSION JOINTS ARE TO BE 12mm CANITE BACKING MATERIAL SEALED WITH BUTYL MASTIC COMPOUND FILLER OR EQUIVALENT.
- SURFACE TO BE BROOM FINISH, NON SLIP, PARALLEL TO KERBLINE - 2mm DEEP.
- TACTILE GROUND SURFACE INDICATORS PROVIDED SHALL COMPLY WITH AS/NZ 1428.
- ALL PRAM RAMP TO HAVE TACTILE GROUND SURFACE INDICATORS INSTALLED (TYP.)
- ACCEPTED TACTILE PAVING SYSTEMS INCLUDE:
 - FIBRE REINFORCED POLYMER CAST IN PLACE OR APPLIED TO THE SURFACE WITH MECHANICAL AND ADHESIVE FIXINGS.

REV	DATE	DESCRIPTION	DRAWN
E	05/17	HAND RAIL ADDED & RAMP ON STRAIGHT, RADIUS, END OF PATH & LANEWAY ADDED	J.M.
D	06/16	TACTILE SURFACE INDICATOR NOTES AMENDED & HAND RAILS REMOVED	J.M.
C	09/12	CITY OF KWINANA LOGO ADDED	J.M.
B	07/12	TACTILE PAVING DETAILS FOR PRAM RAMP AMENDED	V.K.
A	04/09	ADOPTED BY TOWN OF KWINANA	V.K.

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PROJECT:	STANDARD DETAILS PEDESTRIAN RAMP & HAND RAIL
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SCALE:	N.T.S. (A1)
DESIGN: <td>S.S.</td>	S.S.
CHECK: <td>R.N.</td>	R.N.
DRAWN: <td>J.M.</td>	J.M.
DATE: <td>05/17</td>	05/17
AUTHORISED (MANAGER ENGINEERING SERVICES): <td>R.NAJAFZADEH</td>	R.NAJAFZADEH

DRAWING TITLE:	STANDARD DETAILS PEDESTRIAN RAMP & HAND RAIL
FILE NO.:	ENG03
DRAWING NUMBER:	STD-R04
REVISION:	E