

SEE DETAIL 1 FOR REFLECTIVE TAPE
DETAIL. WHERE STRAIGHT IS LESS
THAN 500mm, USE REFLECTIVE RED
TAPE ONLY. CUT TO SUIT STRAIGHT
LENGTH

PAINTED 50 NB PIPE. SEE NOTE

METAL WEDGE TO SECURE GRAB RAIL
IN METAL SLEEVE (TYPICAL)

INSITU 65 NB METAL SLEEVE
450mm LONG (TYPICAL)

200mm X 200mm X 350mm CONCRETE
FOOTING (TYPICAL)

PEDESTRIAN GAP GRAB RAIL
SECTION A - A
N.T.S.

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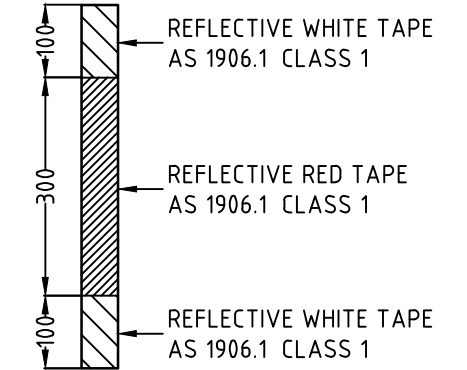
PAINTED 50 NB PIPE. SEE NOTE

METAL WEDGE TO SECURE GRAB RAIL
IN METAL SLEEVE (TYPICAL)

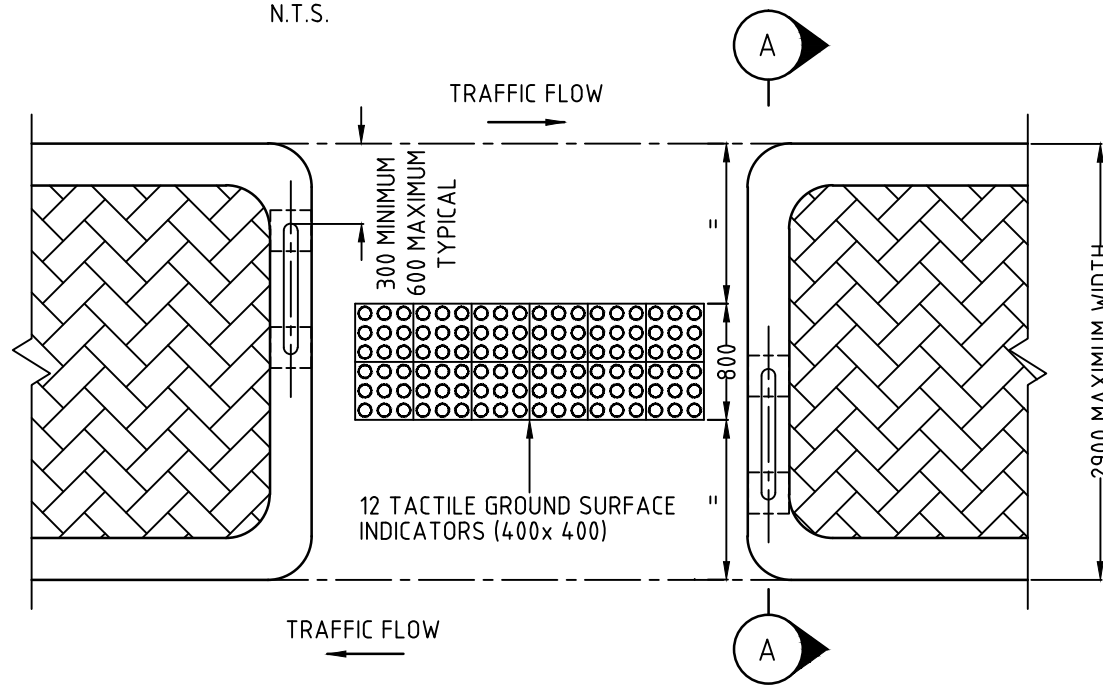
INSITU 65 NB METAL SLEEVE
450mm LONG (TYPICAL)

200mm X 200mm X 350mm CONCRETE
FOOTING (TYPICAL)

GRAB RAIL LOCATION - PRAM RAMP
N.T.S.



TAPE COLOUR - DETAIL 1
N.T.S.



PLAN OF ISLAND PEDESTRIAN GAP GRAB RAILS
SCALE 1:500

NOTES:

1. PEDESTRIAN GRAB RAILS SHALL BE PROVIDED WHERE MEDIANS AND MEDIAN ISLAND OR ISLAND WIDTHS ARE GREATER THAN 1.2m
2. IF MEDIAN IS LESS THAN 1.2m WIDE NO GRAB RAIL IS REQUIRED
3. IF MEDIAN IS MORE THAN 1.2m BUT LESS THAN 2.0m WIDE, GRAB RAIL TO BE 600mm LONG
4. IF MEDIAN IS MORE THAN 2.0m WIDE, GRAB RAIL TO BE 900mm LONG
5. PEDESTRIAN GRAB RAILS ARE TO BE INSTALLED ON ALL LOCAL AND DISTRICT DISTRIBUTOR ROADS. THEY SHOULD ONLY BE INSTALLED ON ACCESS ROADS WHERE DEEMED NECESSARY FOR A LOCAL SCHOOL, SENIOR'S HOUSING OR SPECIAL NEEDS
6. GRAB RAILS ARE TO BE PLACED ON THE LEFT SIDE OF PRAM RAMPS WHEN FACING THE ROAD ONLY AT THE LOCATIONS MENTIONED IN NOTE 5
7. PAINT FOR 50 NB (NOMINAL BORE) PIPE TO BE EXTERIOR GRADE LEAD FREE POLYESTER POWDER COAT AS PER AS1743. COLOUR SUNFLOWER YELLOW Y15 AS PER AS 2700S(Y15)
8. PEDESTRIAN GAPS SHALL HAVE A MINIMUM WIDTH OF 2.5m
9. CONSIDERATION SHOULD BE GIVEN TO THE PROVISION OF DIRECTIONAL AND TACTILE PAVING. INSTAL AS PER AS 1428.4.1:2009 OR THE LATEST AUSTRALIAN STANDARD
10. WHERE THE MEDIAN OPENING IS GREATER THAN 2900, 12 TACTILE GROUND SURFACE INDICATORS SHALL BE INSTALLED ON EACH SIDE. SEE MRWA 200931-0091
11. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE

AMENDMENTS	REVISION	DATE	DESCRIPTION	BY	CHECKED	APPROVED
	1	20/05/10	PLAN REVISED	GL		
	1	02/09/09	PLAN REVISED	GL		
	1	02/12/08	PLAN REVISED	MJJ		

GENERAL NOTES

1. THIS DRAWINGS ALWAYS REMAINS THE PROPERTY OF THE CITY OF GOSNELLS AND MUST NOT BE RETAINED OR REPRODUCED WITHOUT PERMISSION
2. IN THE ABSENCE OF THE APPROVED SIGNATURE (ie MANAGER TECHNICAL SERVICES) THIS DRAWING SHALL BE TREATED AS PRELIMINARY
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE

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STANDARD DRAWING			
GRAB RAILS			
DESIGN	MJJ	DRAWN	DRAWING A3
SCALE	AS SHOWN	CHECKED	DATE 01/09/09

STANDARD DRAWING NUMBER
ES 47

MANAGER TECHNICAL SERVICES
M. Botte
M. BOTTE