

NOTES AND SPECIFICATIONS

- GENERAL**
 - THE WIDTH OF ALL WALKWAYS AND CYCLE TRACKS SHALL BE ACCORDING TO TABLE A UNLESS OTHERWISE INDICATED ON THE DETAIL DRAWINGS OR SPECIFIED BY THE ENGINEER.
 - IF REQUIRED REGULATORY TRAFFIC SIGNS R110 TO R115, APPROPRIATE TO THE APPLICATION, SHALL BE ERECTED AT POSITIONS INDICATED ON THE DETAIL DRAWINGS OR SPECIFIED BY THE ENGINEER.
 - SIDEWALKS AND WALKWAYS SHALL BE DESIGNED FOR A MAXIMUM CROSS FALL OF 2% (1:50).
- CAST IN-SITU CONCRETE**
 - CONCRETE TO BE CLASS 25/19.
 - CONCRETE TO BE CURED FOR A MINIMUM PERIOD OF 7 DAYS.
 - UNFORMED CONCRETE SURFACES SHALL BE FINISHED TO A CLASS U2 SURFACE FINISH.
 - ALSO REFER TO SECTIONS 610, 702, 703 AND 704 THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.
- SEGMENT PAVING**
 - ALL PRECAST CONCRETE SEGMENTAL BLOCKS SHALL COMPLY WITH THE REQUIREMENTS OF SANS 1058, AND SHALL BE SUPPLIED BY A MANUFACTURER APPROVED BY THE ENGINEER.
 - THE BEDDING SAND AND SAND FOR JOINTING SHALL BE ACCORDING TO SECTION 609 OF THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.
 - PRECAST EDGE RESTRAINTS ARE PERMITTED IF INDICATED ON THE DETAIL DRAWINGS OR SPECIFIED BY THE ENGINEER.
 - CONCRETE FOR CAST IN-SITU EDGE RESTRAINTS TO BE CLASS 20/19.
 - CONCRETE FOR CAST IN-SITU EDGE RESTRAINTS TO BE CURED FOR A MINIMUM PERIOD OF 7 DAYS.
 - CAST IN-SITU EDGE RESTRAINTS SHALL BE CAST IN ALTERNATE SECTIONS. THE EXPOSED END SURFACES OF THE FIRST CAST SHALL BE COATED WITH BITUMINOUS EMULSION BEFORE THE INTERMEDIATE SECTION IS CAST. 6mm JOINTS SHALL BE PROVIDED WITH APPROVED JOINT FORMING MATERIAL AT 6m INTERVALS MAXIMUM.
 - THE COLOUR OF SEGMENTAL PAVING BLOCKS SHALL BE AS FOLLOWS:
WALKING AND CYCLING AREAS: LIGHT GREY.
FILL-IN AREAS: TERRA COTTA.
 - ALSO REFER TO SECTION 609 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED C.B. RAMEKANE	DRAWN S. AUDIE
DESIGN CHECKED BY P. A. ODENDAAL Pr.Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
<input type="radio"/> CONCEPT DRAWING	<input type="radio"/> TENDER DRAWING	<input type="radio"/> APPROVED FOR CONSTRUCTION DRAWING	<input type="radio"/> AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)	
INITIALS AND SURNAME	SIGNATURE AND Pr. No. DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	
INITIALS AND SURNAME	SIGNATURE AND Pr. No. DATE

CONSULTANT DETAIL	

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr. P. L. Lebonkane
STRATEGIC EXECUTIVE DIRECTOR

Ms. L. V. Kgagkagwe-Piki
EXECUTIVE DIRECTOR

P.O. BOX 1409
PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kgagkagwe-Piki

TYPICAL STANDARD DETAILS

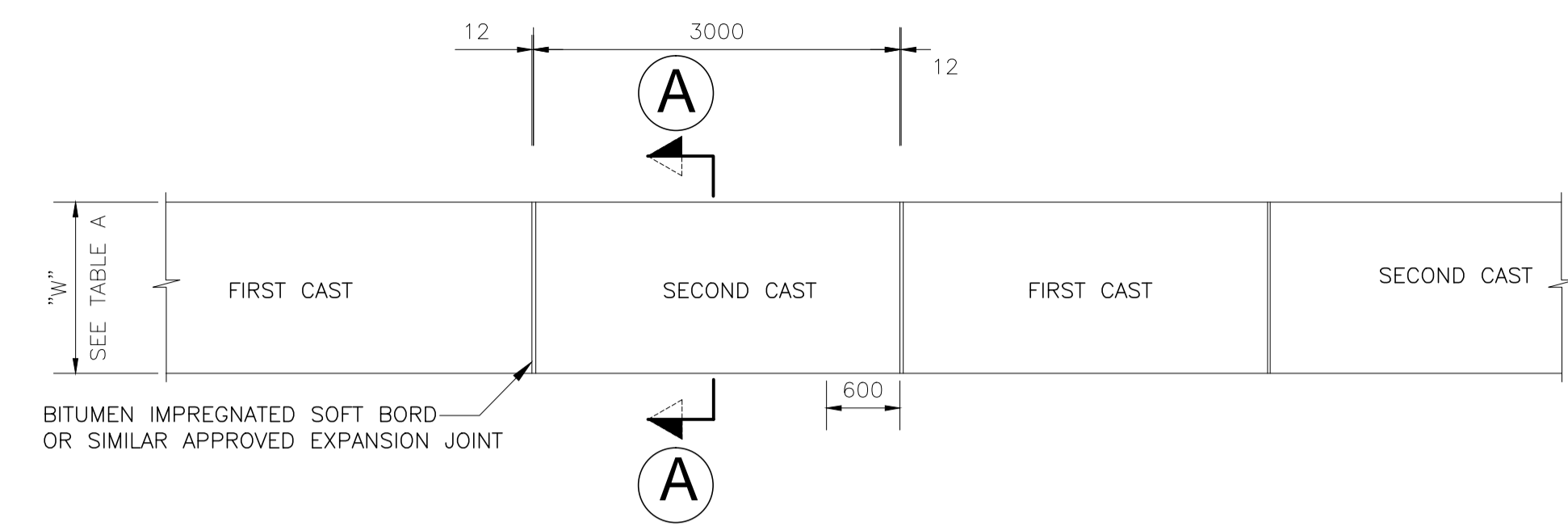
WALKWAYS AND CYCLE TRACKS

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO. STD008	SHEET NO. 1 OF 1

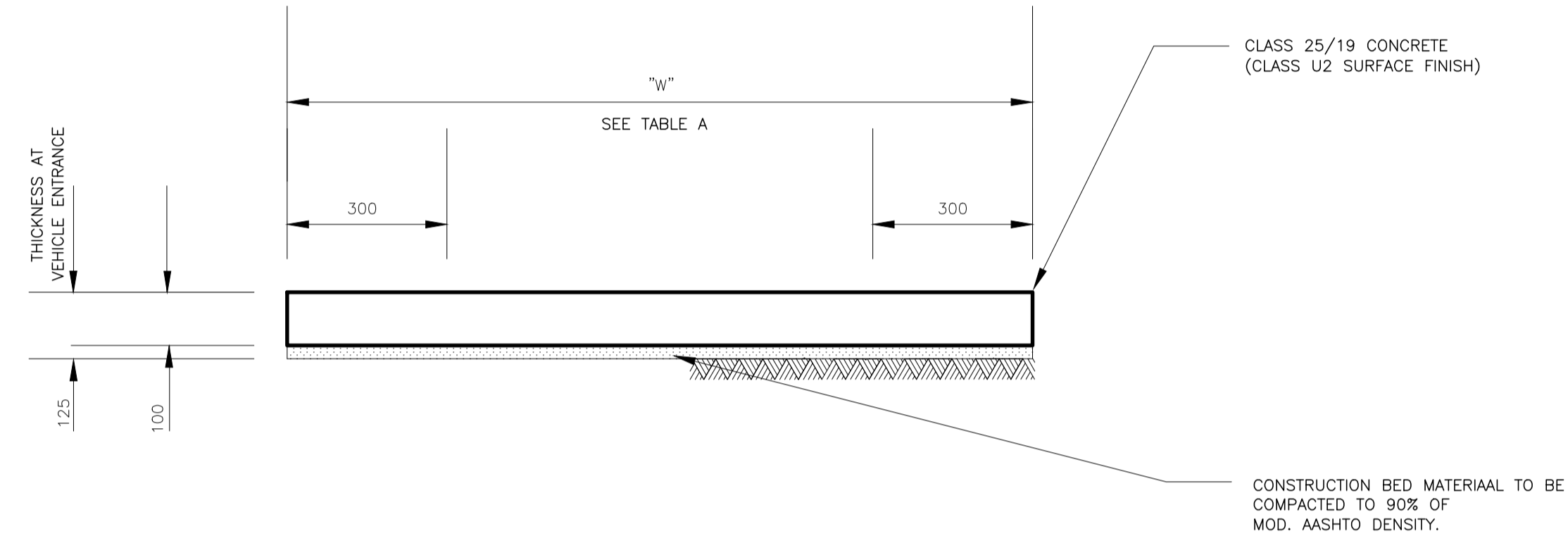
ROADS AND STORMWATER
For Internal Approval

DIRECTOR INFRASTRUCTURE PROVISION	SIGNATURE	DATE
DIRECTOR INFRASTRUCTURE CONSTRUCTION PROJECT MANAGEMENT	SIGNATURE	DATE
DIRECTOR INFRASTRUCTURE ASSET MANAGEMENT	SIGNATURE	DATE
DIRECTOR TRANSPORT INFRASTRUCTURE PLANNING	SIGNATURE	DATE
DIRECTOR INTELLIGENT TRANSPORT SYSTEMS AND TRAFFIC ENGINEERING	SIGNATURE	DATE
DIRECTOR INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE	DATE

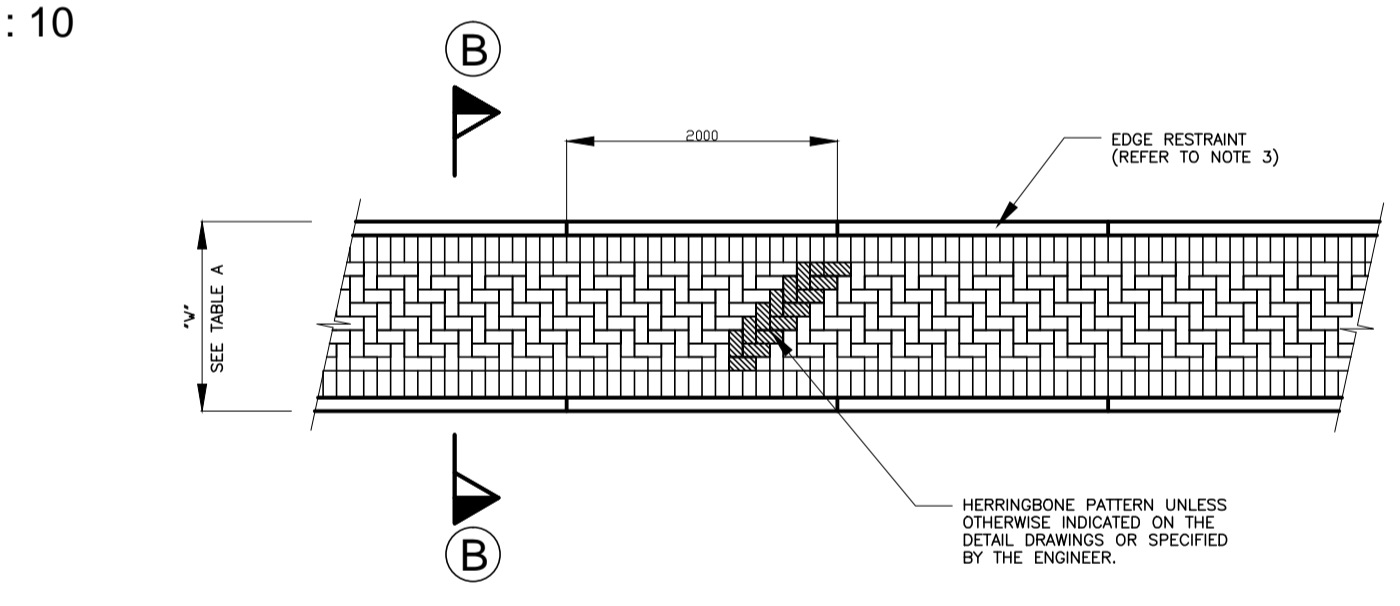
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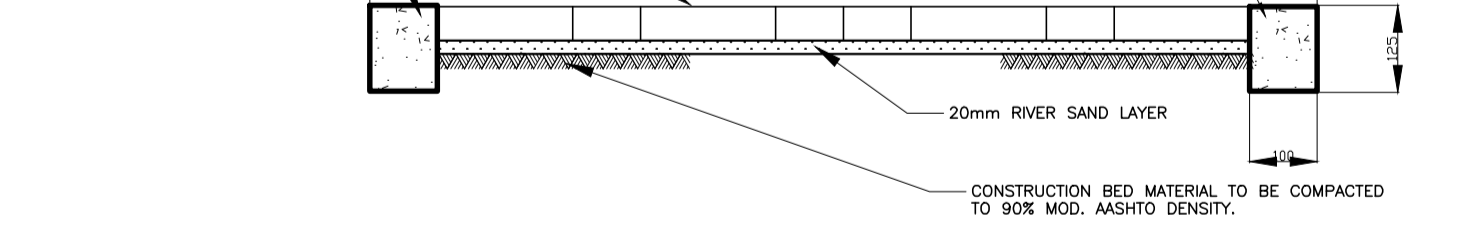
PLAN OF CAST INSITU CONCRETE WALKWAY / CYCLE TRACK
SCALE 1: 50



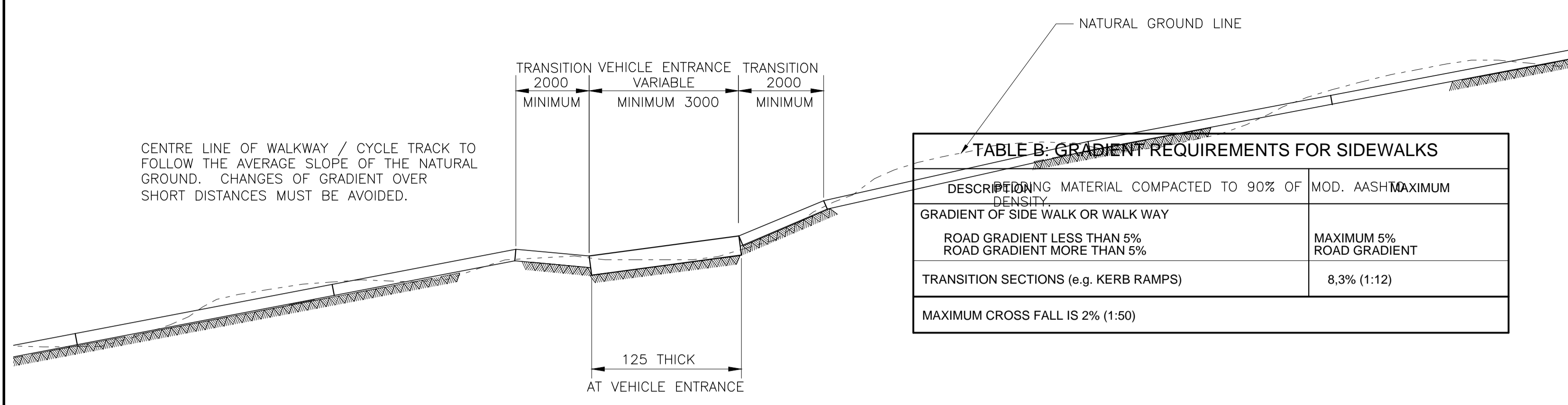
SECTION A-A - THROUGH CAST INSITU CONCRETE
SCALE 1: 10



PLAN OF SEGMENTED PAVING WALKWAY / CYCLE TRACK



SECTION B-B - THROUGH SEGMENTED PAVING



TYPICAL LONGITUDINAL SECTION OF WALKWAY / CYCLE TRACK

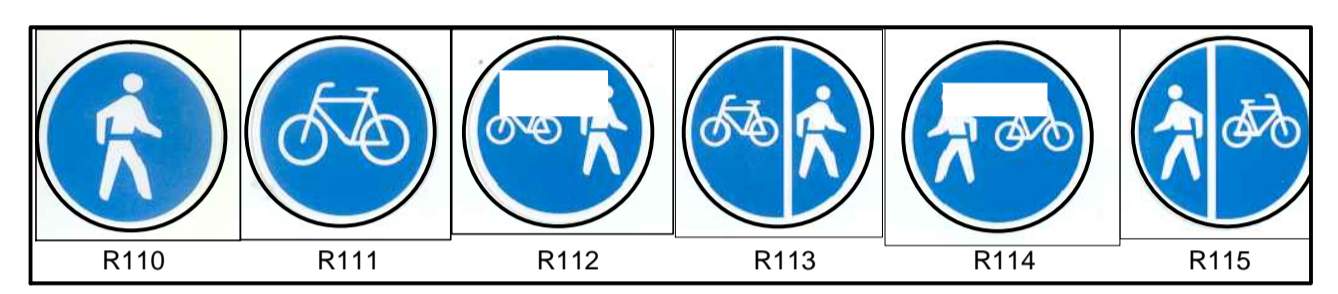
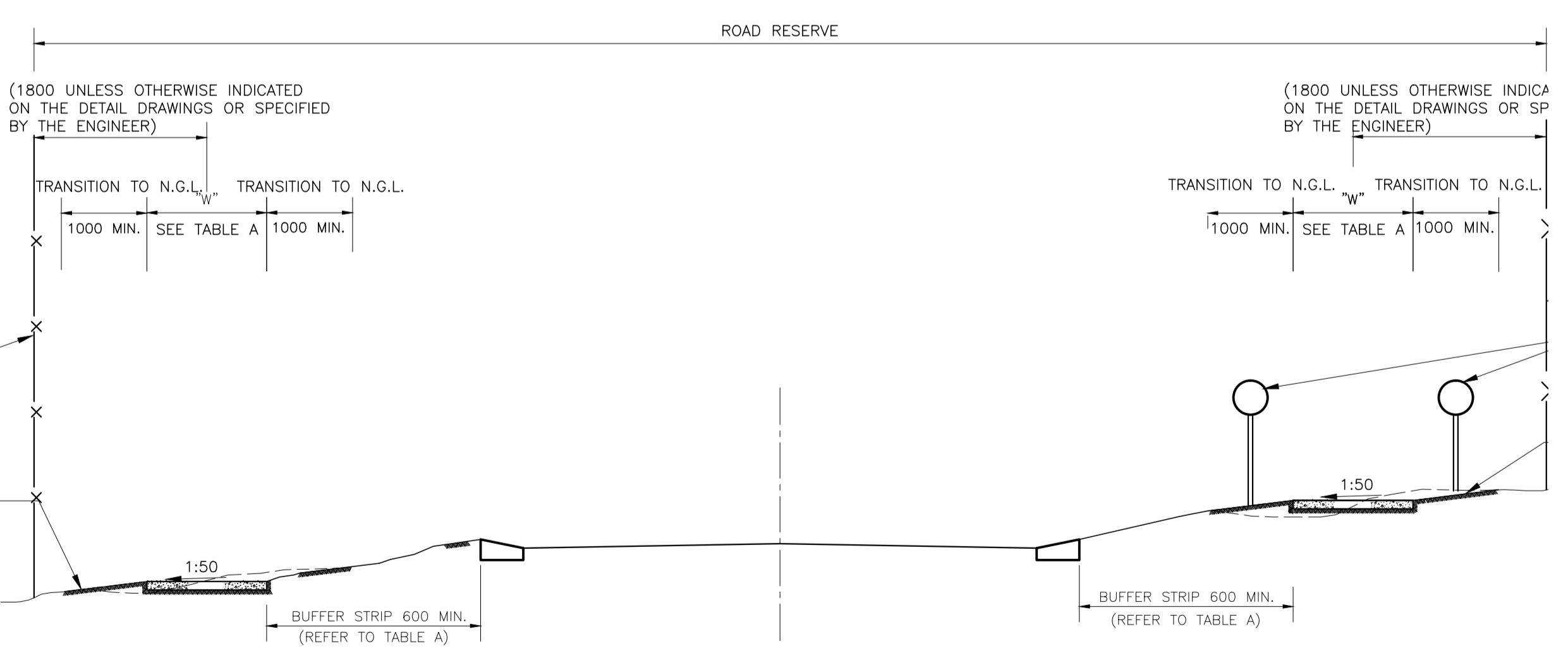


FIGURE 1
(SEE NOTE 1.2)

DESCRIPTION	MINIMUM "w" WIDTH (m)
SIDEWALKS/WALKWAYS WITH BUFFER STRIP	
MINIMUM WIDTH	1.5m
DESIRABLE WIDTH	1.8m
BUFFER STRIP WIDTH	0.6m
SIDEWALKS/WALKWAYS WITHOUT BUFFER STRIP	1.8m
SIDEWALK IN BUSINESS CENTRES	2.5 - 3.5m
CYCLE TRACK	2.0m
SHARED CYCLE TRACK / WALKWAY	2.4m



TYPICAL CROSS-SECTION OF ROAD RESERVE WITH WALKWAY / CYCLE TRACK
SCALE 1: 50

TABLE B: GRADIENT REQUIREMENTS FOR SIDEWALKS	
DESCRIPTION	MOD. AASHTO MAXIMUM
COMPACTING MATERIAL COMPACTED TO 90% OF DENSITY	
GRADIENT OF SIDE WALK OR WALK WAY	
ROAD GRADIENT LESS THAN 5%	
ROAD GRADIENT MORE THAN 5%	MAXIMUM 5% ROAD GRADIENT
TRANSITION SECTIONS (e.g. KERB RAMPS)	8,3% (1:12)
MAXIMUM CROSS FALL IS 2% (1:50)	