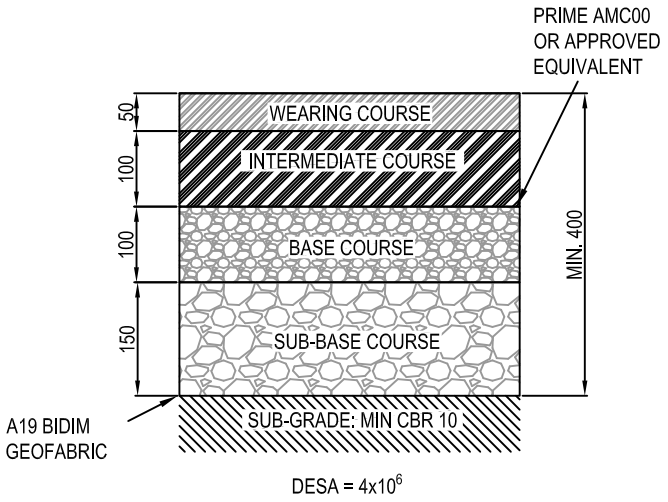

ROAD PAVEMENT PROFILE
N.T.S

TYPICAL PAVEMENT STRUCTURE - LOCAL ROADS

LAYER	THICKNESS
WEARING COURSE AC14 AUS-SPEC 1144. AT INTERSECTIONS AND CURVES, USE AC14 AUS-SPEC 1144 WITH A15E POLYMER MODIFIED BINDER.	50mm
INTERMEDIATE COURSE AC28 R116. IF THE MIX IS UNAVAILABLE, AC20 R116 IS ACCEPTABLE.	100mm
BASE COURSE DENSELY GRADED BASE OF NOMINAL SIZE 20mm (DGB20) WITH CBR GREATER THAN 80. COMPACTED TO 98% MODIFIED TO AS1289.	100mm
SUB-BASE COURSE DENSELY GRADED SUBBASE OF NOMINAL SIZE 40mm (DGS40) WITH CBR GREATER THAN 30. COMPACTED TO 98% MODIFIED TO AS1289.	150mm
SUB-GRADE COURSE MINIMUM SUBGRADE CBR 10. IF NOT ACHIEVED, PLACE ADDITIONAL 250MM THICK LAYER OF DGS40 OR LIME STABILISE THE SUBGRADE TO A DEPTH OF 250mm TO ACHIEVE CBR 10 OR GREATER. LAY A19 BIDIM GEOFABRIC ON TOP OF THE SUBGRADE. THE SUBGRADE IS TO BE COMPACTED TO 100% STANDARD TO AS1289.	MINIMUM 250mm

NOTES:

1. BASE AND SUB-BASE MATERIAL SHALL COMPLY WITH RMS QA SPECIFICATION 3051 GRANULAR BASE AND SUBBASE MATERIALS FOR SURFACED ROAD PAVEMENTS.
2. BASE AND SUB-BASE MATERIAL SHALL BE MANUFACTURED FROM HARD, DURABLE STONE FREE OF CLAY SLUMPS, ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MATERIALS OF DIFFERENT TYPE OR FROM DIFFERENT SOURCES SHALL BE PLACED AND STORED SEPERATELY.
3. PLACE A19 BIDIM GEOFABRIC UNDERNEATH THE SUB-BASE COURSE, TO SEPERATE SUB-GRADE AND GRANULAR MATERIALS.
4. DESIGN TRAFFIC (DESA) FOR THE PAVEMENT SHALL BE $4x10^6$, DESIGN LIFE OF THE PAVEMENT SHALL BE A MINIMUM OF 40 YEARS WITH A GROWTH FACTOR OF 1.2.
5. PRIOR TO THE ISSUE FOR CONSTRUCTION CIVIL WORKS DRAWINGS, PAVEMENT DESIGN AND A GEOTECHNICAL REPORT SHALL BE SUBMITTED TO COUNCIL FOR APPROVAL.
6. DURING CONSTRUCTION EACH PAVEMENT LAYER IS TO BE TESTED FOR COMPLIANCE AND CERTIFIED BY THE ACCREDITED PROVIDER (NATA REGISTERED).
7. NOMINAL CROSS FALL OF PAVEMENT SHALL BE 3%.
8. MAXIMUM LONGITUDINAL GRADE OF THE ROAD SHALL BE 8%.

ALL PAVEMENT DESIGNS ARE SUBJECT TO GEOTECHNICAL INVESTIGATION BY AN ACCREDITED PROVIDER (NATA REGISTERED) AND THE DESIGNS TO BE CARRIED OUT IN ACCORDANCE WITH AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY - PART 2: PAVEMENT STRUCTURAL DESIGN (2017). DESIGN TO BE UNDERTAKEN BY A QUALIFIED CIVIL/GEOTECNICAL ENGINEER AND ACCEPTED BY CITY OF RYDE COUNCIL.

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STANDARD DRAWING
TYPICAL PAVEMENT STRUCTURE
LOCAL ROADS

APPROVED VP
DESIGN MANAGER

DATE 14.08.2019

DRAWING NUMBER	REVISION
CIV.14.1	B