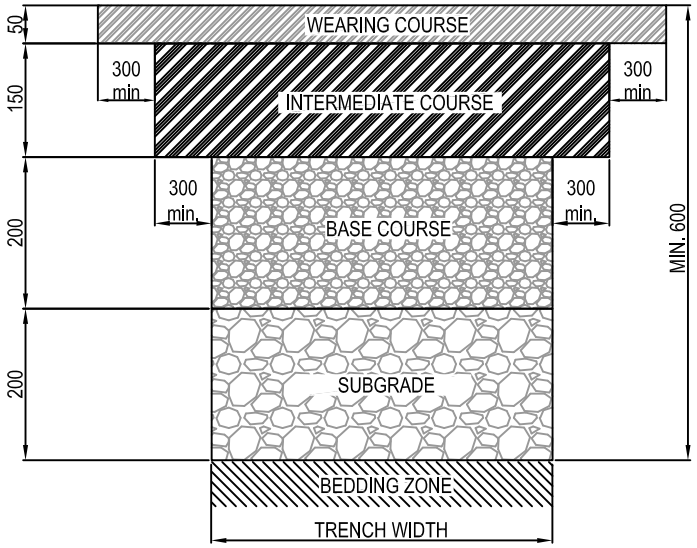

DESA = $1x10^7$

ROAD PAVEMENT PROFILE
N.T.S.

UTILITY TRENCH RESTORATION

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. THE WIDTH OF INTERMEDIATE COURSE SHALL BE AT LEAST 300MM WIDER THAN THE WIDTH OF THE TRENCH. IF THE MIX IS UNAVAILABLE, AC20 R116 (TWO 75mm THICK LAYERS) IS ACCEPTABLE.	150mm
BASE COURSE DENSELY GRADED BASE OF NOMINAL SIZE 40mm (DGS40) WITH CBR GREATER THAN 80. COMPACTED TO 98% MODIFIED TO AS1289.	200mm
SUB-GRADE COURSE MINIMUM SUBGRADE CBR 10. IF NOT ACHIEVED, PLACE ADDITIONAL 200MM THICK LAYER OF DGS40 OR LIME STABILISE THE SUBGRADE TO A DEPTH OF 200mm 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.	200mm
BEDDING ZONE AS PER UTILITY AUTHORITY'S SPECIFICATIONS.	AS PER UTILITY AUTHORITY'S SPECIFICAITON

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. COMPLIANCE TO AUS-SPEC 1152 ROAD OPENINGS AND RESTORATIONS (UTILITIES) AND AUS-SPEC 1151 ROAD OPENINGS AND RESTORATIONS MUST BE ACHIEVED.
4. DESIGN TRAFFIC (DESA) FOR THE PAVEMENT SHALL BE $1X10^7$, 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. WEARING COURSE TO BE EXTENDED UP TO THE GUTTER LIP AND/OR TO THE EDGE OF TRAVEL LANE AS AGREED BY COUNCIL'S RESTORATION OFFICER.

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.

City of Ryde
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STANDARD DRAWING

TYPICAL PAVEMENT STRUCTURE UTILITY TRENCH RESTORATION

APPROVED VP DESIGN MANAGER
DATE 14.08.2019

DRAWING NUMBER	REVISION
CIV.14.3	B