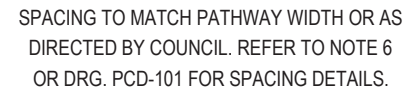



(USE WHERE DIRECTED, IN FILL OR POOR SUBGRADE. REFER NOTES 1 & 2)



(USE FIBRE REINFORCED CONCRETE WHERE DIRECTED, IN FILL OR POOR SUBGRADE. REFER NOTES 1, 2 & 7.)



1. SUBGRADE TO ACHIEVE 95% STANDARD RELATIVE COMPACT WITH A SOAKED CBR GREATER THAN 5. REFER RELEVANT COUNCIL SPECIFICATION FOR TREATMENT WHEN POOR SUBGRADE IS ENCOUNTERED.
2. WHERE CONCRETE PATH IS TO BE USED FOR MAINTENANCE VEHICLE OR MACHINERY ACCESS, PATH MUST BE MIN. 125 THICK AND REINFORCED TO SATISFY ANTICIPATED LOADING CONDITIONS.
3. PROPRIETARY CRACK INDUCER PRODUCTS MAY BE USED IN PLACE OF SAW-CUTTING ON CONTRACTION JOINTS. WHERE PATH IS MESH REINFORCED, GALVANISED MESH IS TO BE USED ON ALL CONTRACTION JOINTS.
4. PROPRIETARY COMBINATION DOWELED KEY JOINT WITH EXPANSION MATERIAL MAY BE USED IN PLACE OF STANDARD DOWEL JOINT AND EXPANSION JOINT. REFER PREFORMED KEY JOINT WITH DOWEL FOR TYPICAL DETAILS.
5. FOR STEEL MESH REINFORCED PATHS AT DOWELLED EXPANSION JOINTS: MESH IS TO BE STOPPED 75 FROM THE JOINT, BE PLACED UNDER THE DOWELS AND CHAISED AT MIN. 50 COVER FROM BOTTOM TO DETER THE MESH DEFLECTION INTERFERING WITH THE DOWELS.
6. WHERE CONCRETE PATH IS TO BE CONSTRUCTED ADJACENT TO EXISTING TREES, AN ARTICULATED JOINT SYSTEM MAY BE USED TO MINIMISE POTENTIAL DAMAGE FROM TREE ROOTS. FOR GUIDANCE REFER RELEVANT COUNCIL FOR TREATMENTS.
7. FOR FIBRE REINFORCED CONCRETE PATHS, THE CONCRETE SHALL BE REINFORCED WITH CLASS 2 MACRO STRUCTURAL SYNTHETIC POLYMER FIBRES WITH OR WITHOUT DISCRETE GRADED MONOFILAMENT FIBRES. MANUFACTURER MUST BE ABLE TO PROVIDE EVIDENCE OF NATA TESTING TO ASTM1609 WITH MINIMUM RE3 RESULT OF 30% IN RELEVANT CONCRETE STRENGTHS. BATCHING OF FIBRES SHALL BE BY READY MIX SUPPLIER IN ACCORDANCE WITH MANUFACTURER'S TECHNICAL REFERENCE. CONCRETE PLACER/CONTRACTOR MUST FAMILIARISE THEMSELVES WITH THE PLACING AND FINISHING GUIDE AVAILABLE FROM THE MANUFACTURER OF NOMINATED FIBRE.
8. ALL CONCRETE TO BE GRADE N32.
10. WHEN A CONCRETE FOOTPATH IS TO BE AFFECTED WHEREBY PARTIAL REMOVAL IS PROPOSED (E.G. UNDERGROUND UTILITY INSTALLATION) THE SELECTION AFFECTED BY WORKS IS TO BE REPLACED FROM AN EXISTING JOINT TO EXISTING JOINT UTILISING DOWELED EXPANSION JOINTS.
11. THIS DRAWING TO BE READ IN CONJUNCTION WITH PCD-101.
12. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

PATHWAYS	 QUEENSLAND NORTHERN TERRITORY IPWEA INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA	
	SIZE A3	DRAWING No.
	NOT TO SCALE	PCD-102 REV DATE: 07/23

The fitness for purpose of these drawings for a specific project shall be determined and certified by a Registered Professional Engineer of Queensland (RPEQ).
The user is responsible for ensuring the relevant council has adopted the drawing prior to its use.