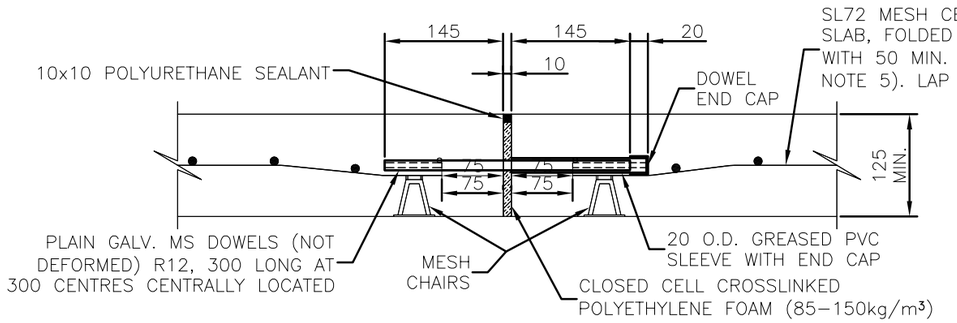
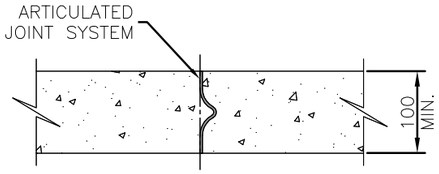


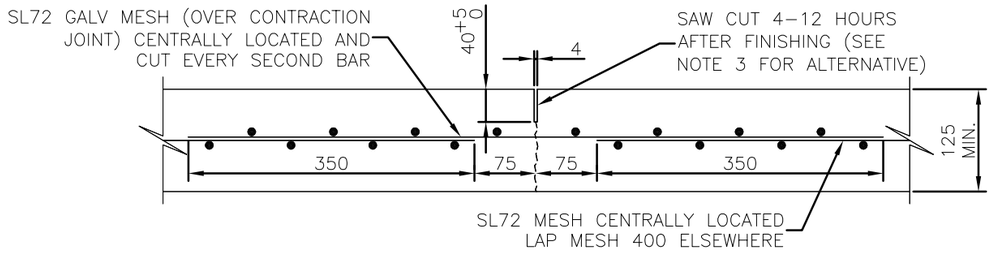
EXPANSION JOINT
SPACING 16m

(SEE DETAIL 'A' FOR ALTERNATIVE PREFORMED JOINT DETAILS)

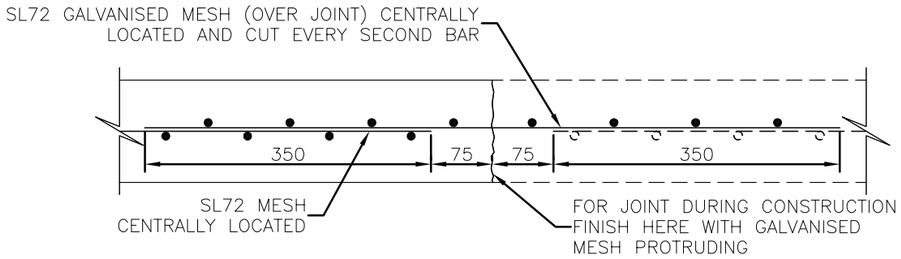


DETAIL 'B'
ARTICULATED JOINT SYSTEM

SPACING TYP. 3m FOR 3m WIDE PATH
(USE WHERE DIRECTED)
REFER NOTE 6

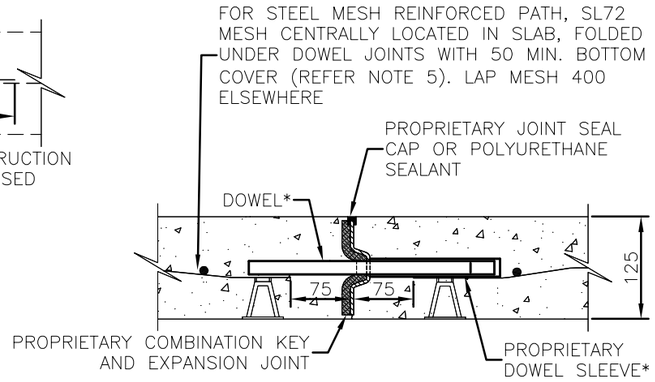


CONTRACTION JOINT
SPACING 4m



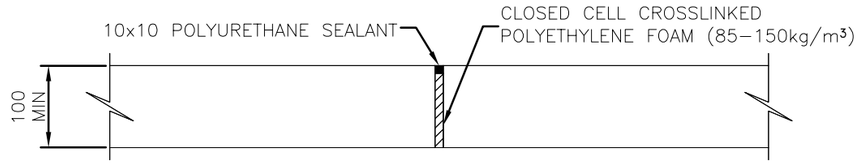
CONSTRUCTION JOINT
PLACEMENT AS REQUIRED

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



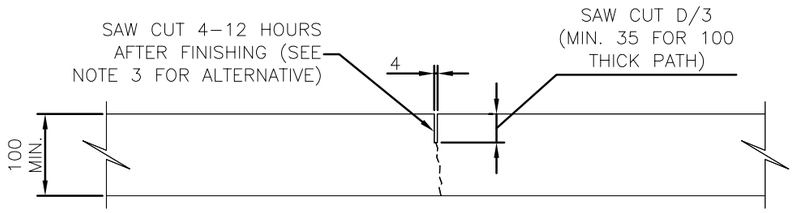
* DOWEL MAYBE ELIMINATED FOR MASS CONCRETE PATHS

DETAIL 'A'
PREFORMED KEY JOINT WITH DOWEL



EXPANSION JOINT
SPACING 16m

FOR FIBRE REINFORCED PATHS, REFER DETAIL 'A' FOR PRE–FORMED KEY JOINT/EXPANSION JOINT REQUIREMENTS



CONTRACTION JOINT
SPACING 4m

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

NOTES:

1. REFER SUPPLEMENTARY NOTES ON BSD–0018 FOR SUBGRADE DESCRIPTION.
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. PROPRIETY 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 DETAIL 'A' 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 CHAIRED 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. REFER DETAIL 'B' AND BSD–5204 FOR DETAILS.
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.
9. DIMENSIONS IN MILLIMETRES (U.N.O.).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION
B. BALL SIGNATURE ON ORIGINAL
DATED 29/6/01 R.P.E.Q: 3852
ASSET ENGINEERING MANAGER
STRATEGIC ASSET MANAGEMENT

DESIGN APPROVED
B. HANSEN SIGNATURE ON ORIGINAL
DATED 27/6/01
PRINCIPAL ASSET OFFICER
ROADS & DRAINAGE

DESIGN	Std Dwgs WG	DATE	April '01
DRAWN	CPO - P&D	DATE	April '13
CHECKED	M.STEER	DATE	May '13
DRAWING FILENAME	BSD-5208.dwg		
ASSOCIATED PLANS	SUPERSEDES UMS-252		

BRISBANE CITY

BRISBANE CITY COUNCIL STANDARD DRAWING

BIKEPATH PAVEMENT JOINTS

SCALE NOT TO SCALE
DWG No. BSD–5208
ORIGINAL SIZE A3
REVISION A