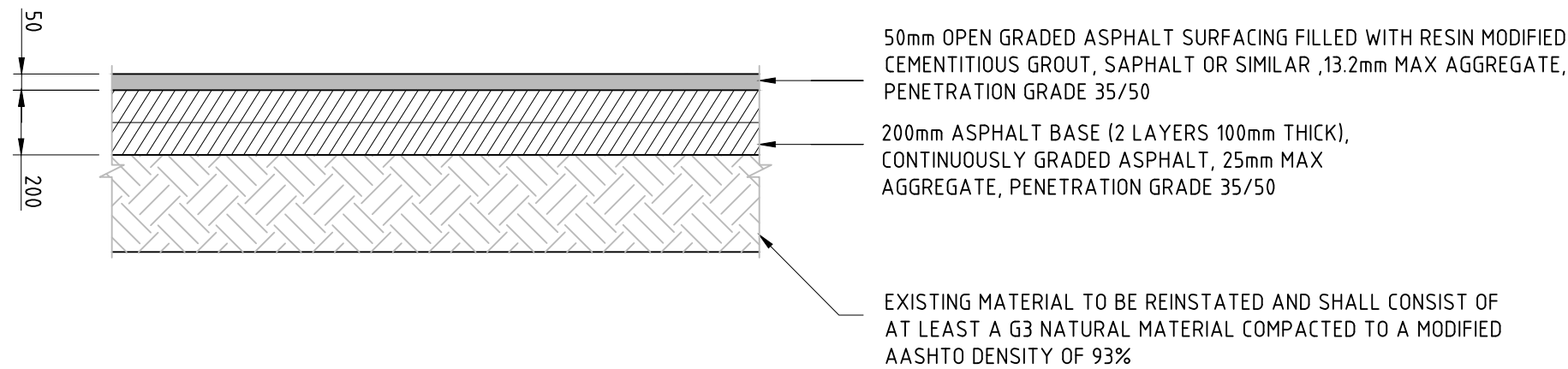
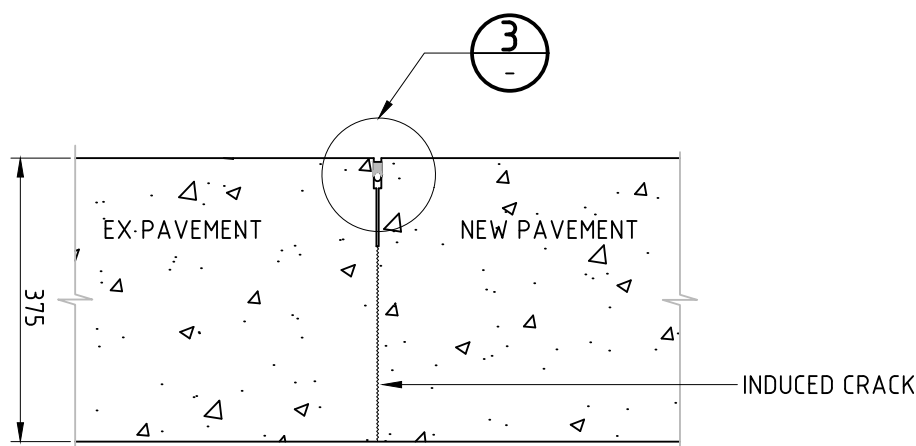


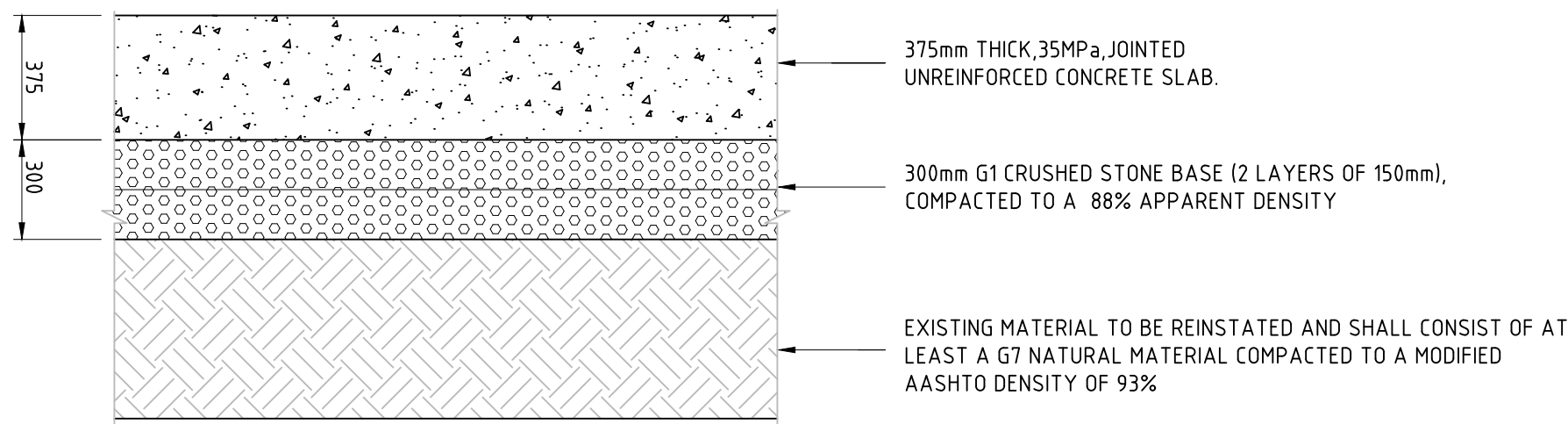
DO NOT SCALE - IF IN DOUBT, ASK



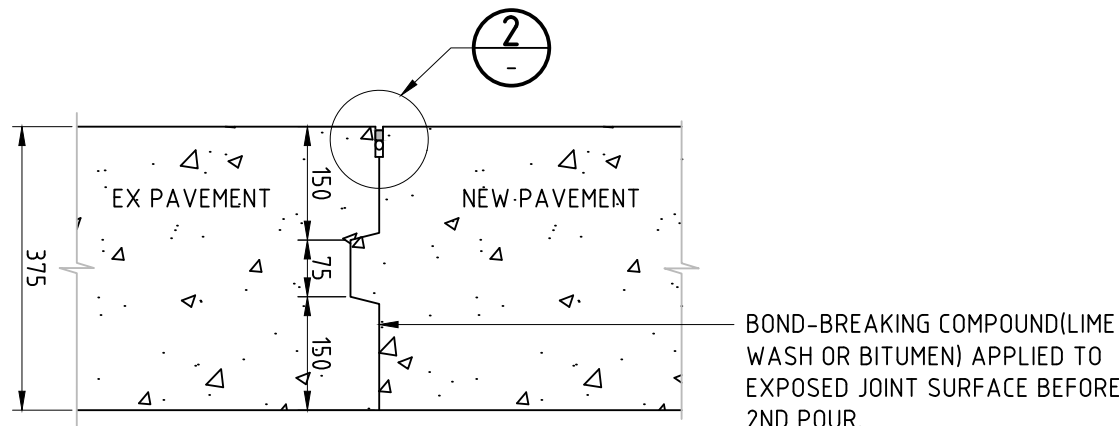
REINSTATEMENT OF FLEXIBLE PAVEMENT LAYERWORKS  
1:20



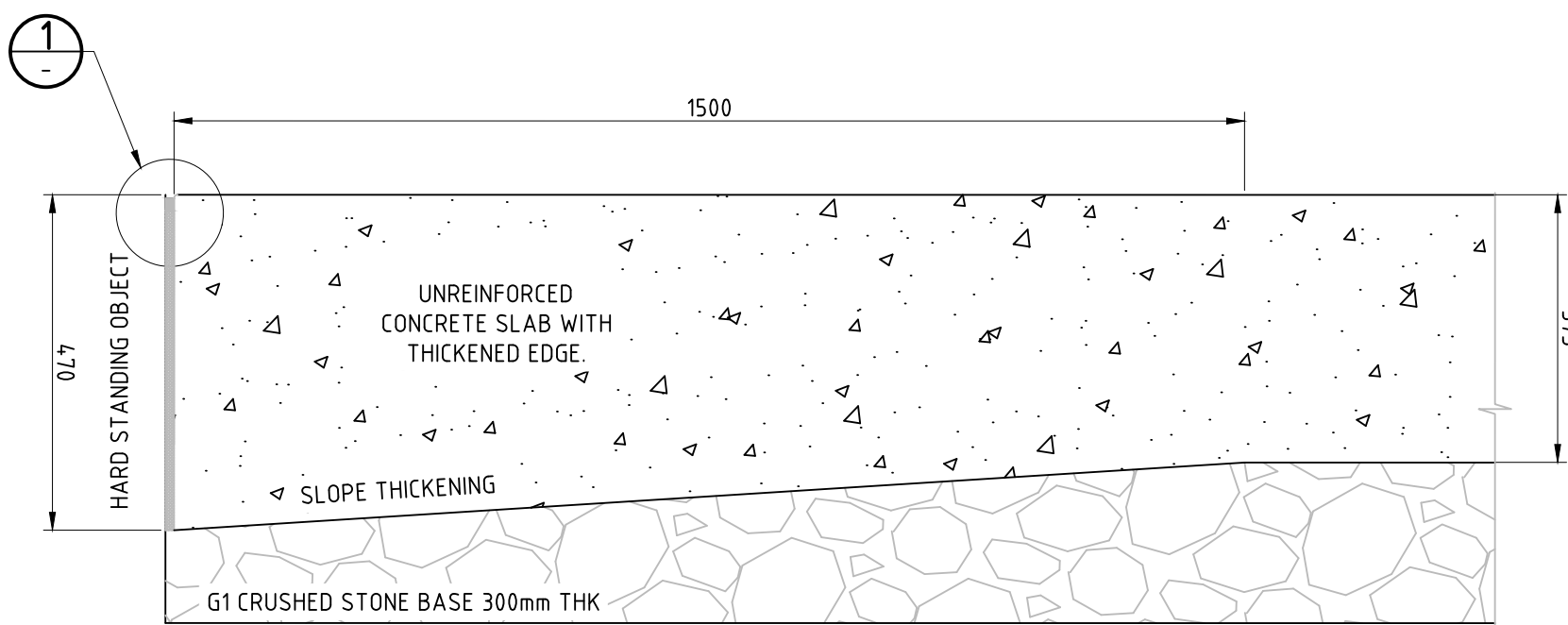
WEAKENED PLANE JOINT DETAIL  
1:10



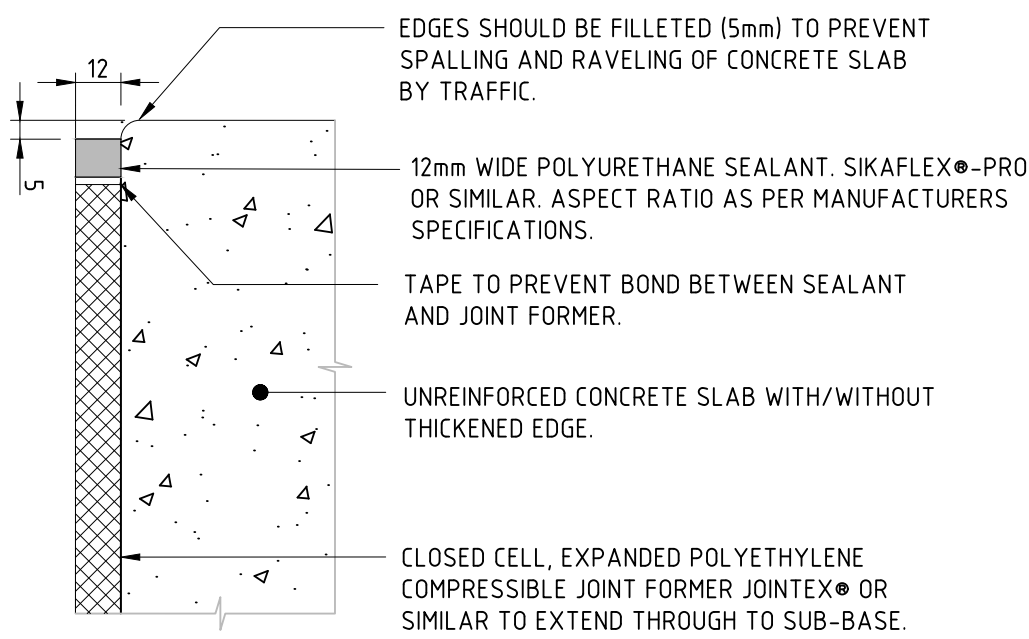
REINSTATEMENT OF RIGID PAVEMENT LAYERWORKS  
1:20



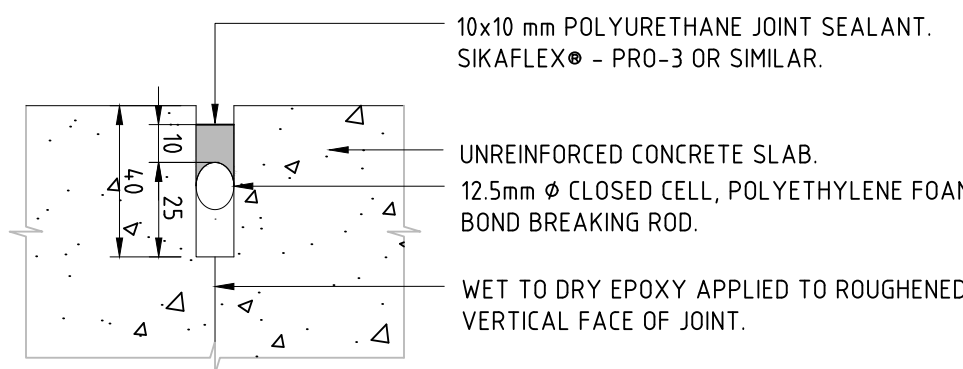
KEYED CONSTRUCTION JOINT DETAIL  
1:10



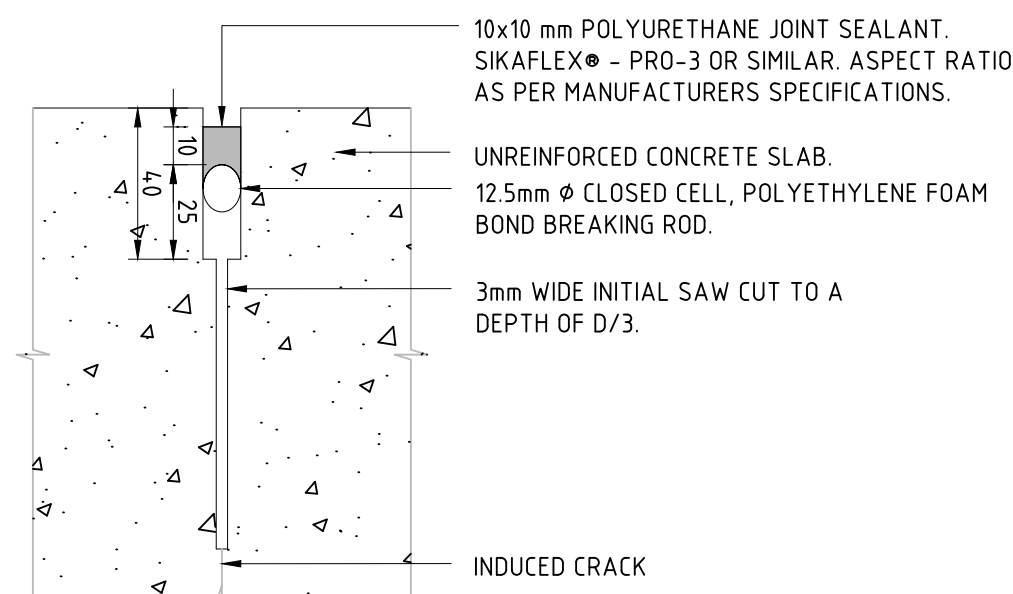
ISOLATION JOINT DETAIL  
1:10



DETAIL 1  
1:2



DETAIL 2  
1:2



DETAIL 3  
1:2

- NOTES**
- FLEXIBLE PAVING**
- A TACK COAT 30% STABLE GRADE BITUMINOUS EMULSION IS TO BE APPLIED ON ALL FULL DEPTH ASPHALT EDGES AND APPLIED AFTER EACH ASPHALT LIFT ACCORDING TO COLTO 4200.
  - THE MODIFIED ASPHALT SURFACING IS TO BE CONSTRUCTED ACCORDING TO MANUFACTURES SPECIFICATIONS.
- RIGID PAVEMENT:**
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE CUBE STRENGTH OF 30 MPA AND A MINIMUM MODULUS OF RUPTURE STRENGTH (FLEXURAL STRENGTH) OF 4 MPA.
  - EXPOSED EDGES OF ALL CONSTRUCTION JOINTS SHOULD BE ROUNDED TO 3mm RADIUS ON CASTING AND PRIOR TO SAWING. THIS IS TO CLEARLY IDENTIFY JOINT LOCATIONS.
  - ISOLATION JOINT FORMER TO BE CLOSED CELL, EXPANDED POLYETHYLENE WITH TEAR-OFF COVER STRIP, SUCH AS JOINTEX OR SIMILAR. THE JOINT FILLER IS TO EXTEND THE FULL DEPTH OF THE SLAB AND TERMINATE AT SUB-BASE LEVEL THE JOINT FILLER SHALL COMPLY TO AASHTO M153 AS PER COLTO 7102 RECOMMENDATION.
  - CONCRETE PAVEMENT FINISHING: CONCRETE AREAS EXPOSED TO TRAFFIC SHOULD BE BROOM FINISHED.
  - THE SUB-BASE SHOULD BE KEPT CONTINUOUSLY WET FOR A PERIOD OF AT LEAST ONE HOUR BEFORE THE CONCRETE IS PLACED. NO EXCESSIVE POOLING OF WATER IS PERMITTED IN POUR LOCATIONS AND SHOULD BE BROOMED OFF AHEAD OF THE PAVER. ALL DELETERIOUS MATERIALS SHOULD BE REMOVED BEFORE CONCRETE PLACEMENT TO ENSURE A UNIFORM SUPPORTING LAYER.
  - JOINT SAWING
    - TRANSVERSE CONTRACTION JOINTS SHALL BE SAWN AS PER COLTO 7118 AND SHALL NOT EXCEED 3mm WIDTH. NO INITIAL SAWING SHALL TAKE PLACE LATER THAN 24 HOURS AFTER THE CONCRETE HAS BEEN PLACED. IF A JOINT IS TO BE SEALED THE TOP PORTION MUST ONLY BE BEAMED TO DEPTH NO SOONER THAN 7 DAYS AFTER INITIAL SAWING.
    - CONTRACTOR SHALL DETERMINE THE EXACT TIME AND SEQUENCE OF SAWING WITH CONSIDERATION TO THE RISK OF EXCESSIVE SPALLING AND RAVELLING ASSOCIATED WITH EARLY SAWING.

		Engineers								EPCM CONSULTANT: <b>TNPA</b>		ORIGINATOR: <b>ZAA</b>		Transnet National Ports Authority	
										TITLE		TITLE		237 MAHATMA GANDHI ROAD	
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										ENG. MANAGER		DATE			
										AREA MANAGER		DISCIP. ENG.			
										PROJECT MGR.		ENG. MANAGER			
										DIVISION		AREA MANAGER			
										PR.ENG. / PR.TECH.		NAME			
										NO.		J. ZIETSMAN		DATE	
										DESCRIPTION		SIGNATURE		19/07/26	
										BY		DATE			
										REVISIONS / ISSUE AUTHORIZATION		SIGNATURE		19/07/26	
										DIV.		REG. NUMBER		760293	
										TITLE		SCALE :		OR AS NOTED	
										NAME		A1			
										DATE		PROJECT NUMBER		21228301	
										SIGNATURE		FBS		090	
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										PROJECT NO		21228301			
										DIS CODE		090			
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