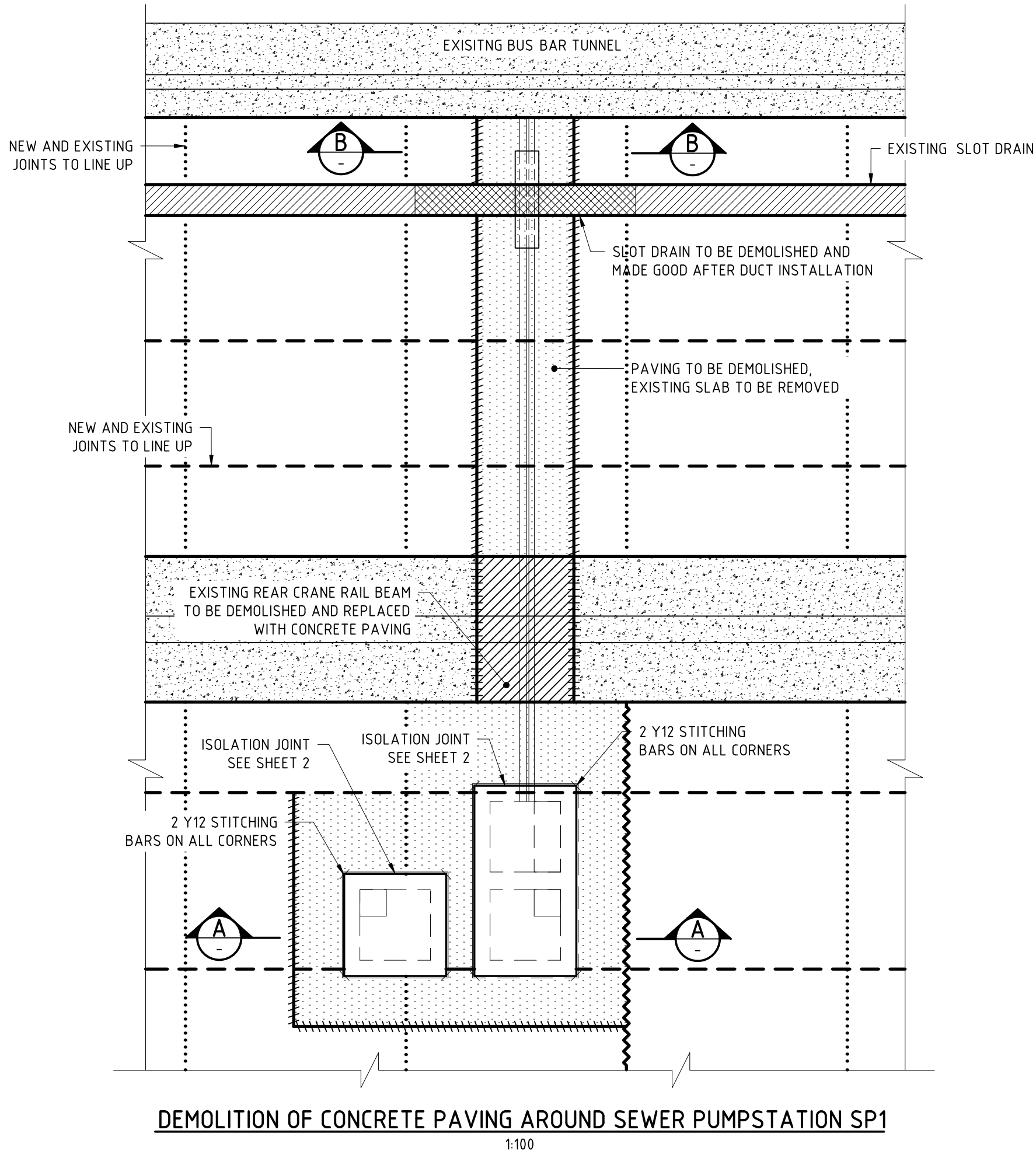
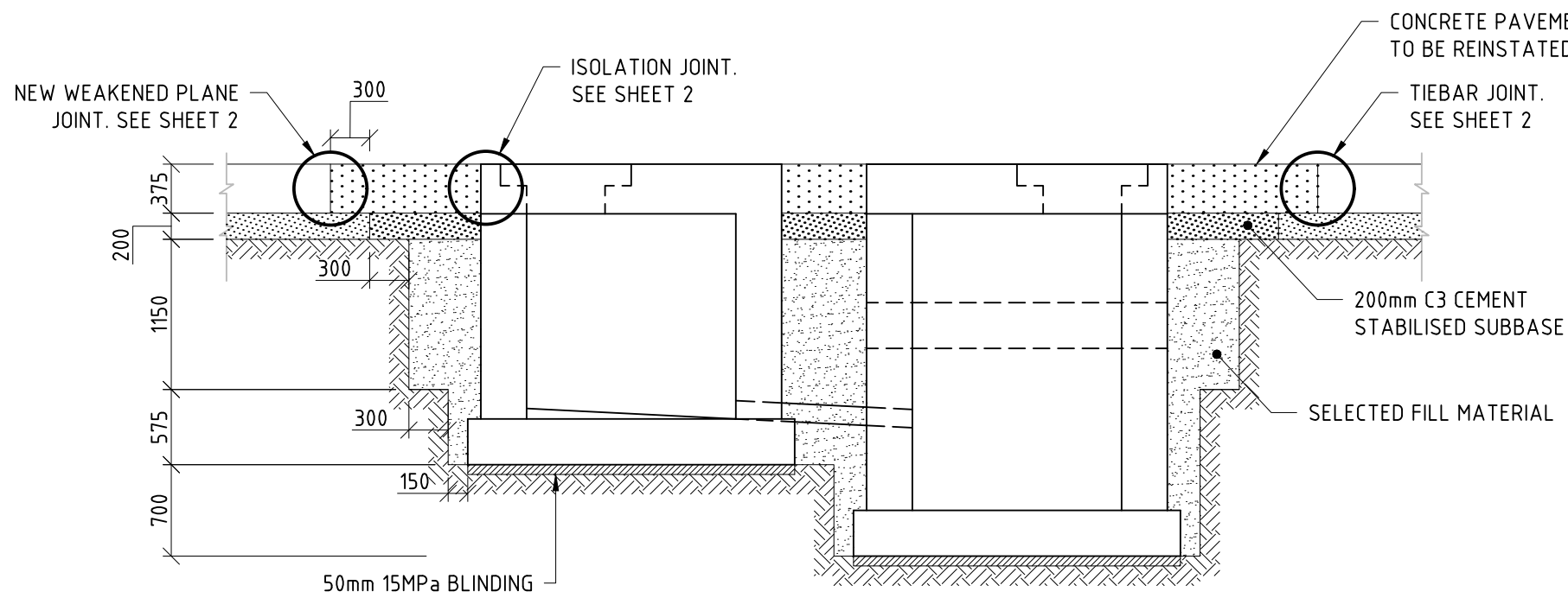


DO NOT SCALE - IF IN DOUBT, ASK



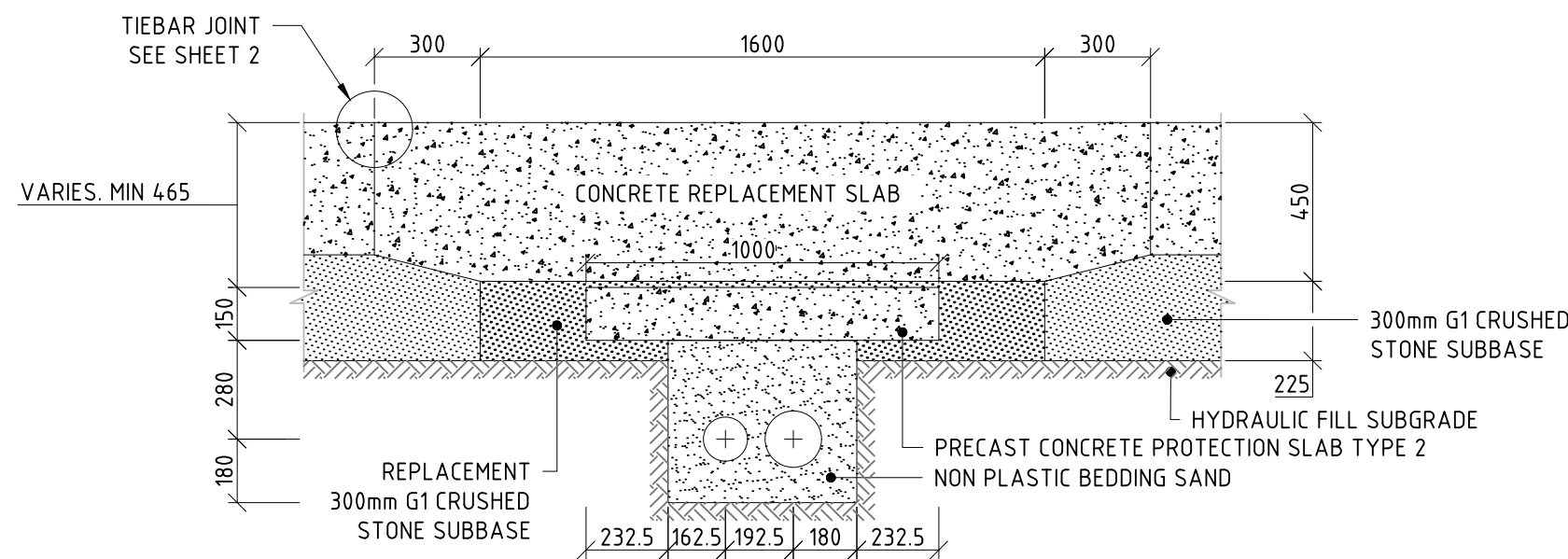
DEMOLITION OF CONCRETE PAVING AROUND SEWER PUMPSTATION SP1

1:100



SECTION A

1:50



SECTION B

1:20

KEY

- DOWELED CONSTRUCTION JOINT
- TIEBAR JOINT
- EXISTING WEAKENED PLANE JOINT
- NEW WEAKENED PLANE JOINT
- KEYED CONSTRUCTION JOINT
- ISOLATION JOINT

NOTES:

- DEMOLITION OF CONCRETE PAVEMENT & SECTIONS OF THE REAR CRANE RAIL BEAM**
  - THE DEMOLITION OF THE CONCRETE PAVEMENT WILL INVOLVE THE REMOVAL OF CONCRETE PANELS TO ALLOW FOR EXCAVATION AND INSTALLATION OF THE SEWER PUMP STATION.
  - WHERE THE EXISTING REAR CRANE RAIL BEAM INTERFERES WITH THE INSTALLATION OF THE PUMP STATION, IT IS TO BE DEMOLISHED.
  - WHERE THE DEMOLITION LINE FALLS WITHIN 1m OF THE EXISTING PAVING JOINT, THE SLAB SHALL BE BROKEN OUT TO THE EXISTING JOINT.
- REINSTATEMENT OF CONCRETE PAVING**
  - AFTER INSTALLATION OF THE PUMP STATION THE CONCRETE PAVEMENT IS TO BE REINSTATED.
  - WHERE AN ENTIRE PANEL HAS BEEN REMOVED, THE NEW PANEL IS TO BE CAST IN AND JOINTED WITH THE EXISTING NEIGHBORING SLABS.
  - WHERE AN EXISTING PANEL IS PARTIALLY DEMOLISHED, IT IS TO BE REINSTATED AND CONNECTED TO THE EXISTING PANEL USING A TIE BAR JOINT.
  - WHERE THE EXISTING REAR CRANE RAIL HAS BEEN DEMOLISHED 375mm CONCRETE PAVING SLABS ARE TO BE INSTALLED.
- CASTING OF CONCRETE PAVING**
  - CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE CUBE STRENGTH OF 35 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.
  - 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 UNIFORM SUPPORTING LAYER.
- JOINT SAWING**
  - JOINTS SHALL BE SAWN AS PER COL TO 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 REAMED TO DEPTH NO SOONER THAN 7 DAYS AFTER INITIAL SAWING.
  - THE CONTRACTOR SHALL DETERMINE THE EXACT TIME AND SEQUENCE OF SAWING WITH CONSIDERATION TO THE RISK OF EXCESSIVE SPALLING AND RAVELLING ASSOCIATED WITH EARLY SAWING.

NOTE:

FOR JOINTING DETAILS SEE 1785-CO-130-C-DWG-0012-02

Engineers		EPCM CONSULTANT: <b>TNPA</b>		ORIGINATOR: <b>ZAA</b>		Transnet National Ports Authority	
		TITLE NAME SIGNATURE DATE		TITLE NAME SIGNATURE DATE		237 MAHATMA GANDHI ROAD	
		LEAD DES. ENG.		DRAWN <b>DC</b>		DURBAN	
		ENG. COORD.		CHECKED <b>MC/WVW</b>		P.O. BOX 31683, DURBAN	
		ENG. MANAGER		ENG. COORD.		TEL: 031 361 8852	
		AREA MANAGER		DISCIP. ENG.		<b>PORT OF DURBAN</b>	
		PROJECT MGR.		ENG. MANAGER		DCT BERTHS 203 to 205 RECONSTRUCTION	
		DIVISION		AREA MANAGER		DEEPENING AND LENGTHENING	
		DIV. TITLE NAME SIGNATURE DATE		PR.ENG. / PR.TECH.		SEWER	
		NO. DESCRIPTION BY CHK'D APP'D DATE		NAME <b>J. ZIETSMAN</b>		DEMOLITION DETAILS	
		REVISIONS / ISSUE AUTHORIZATION		SIGNATURE <b>19/07/26</b>		SHEET 1 OF 2	
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		P O Box 26546		31 Melkhout Crescent			
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1785-CO-130-C-DWG-0002		SEWER GENERAL ARRANGEMENT PHASES 2 & 3					
DRAWING NO.		REFERENCE					