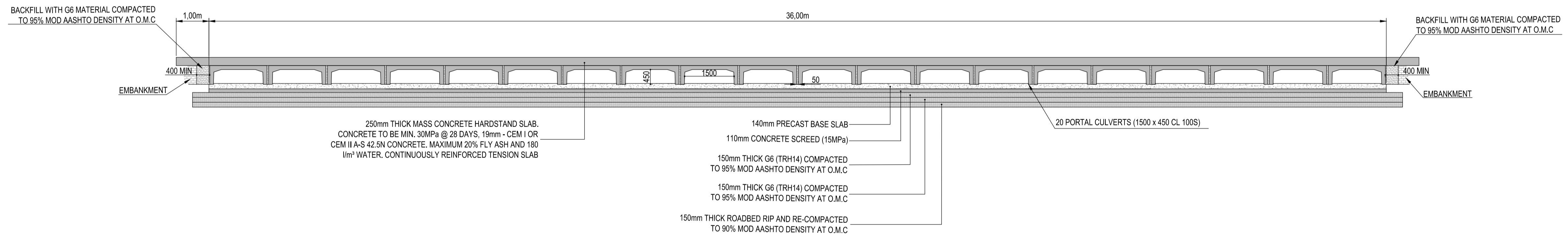
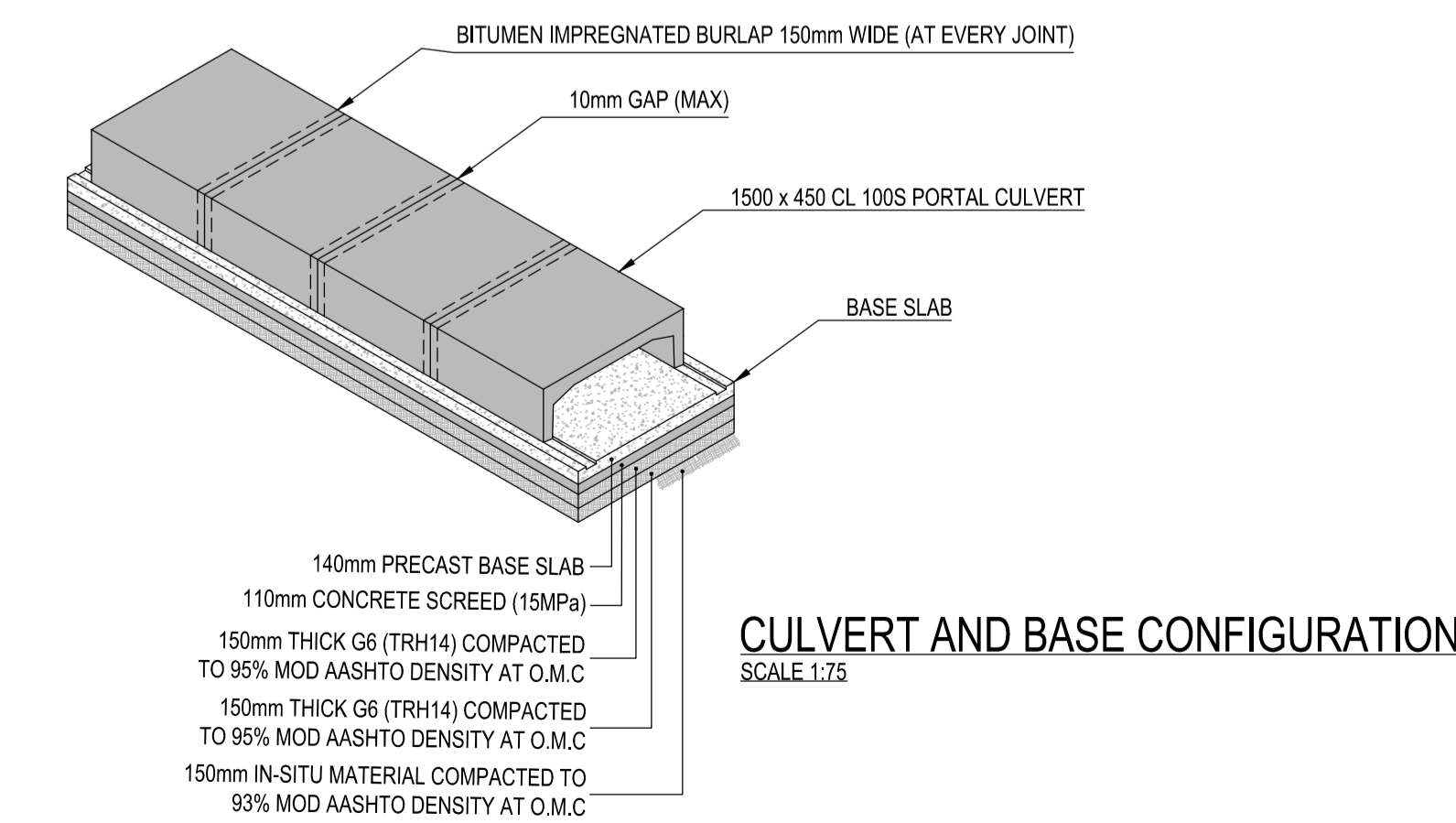


CULVERT CROSSING DETAIL SECTION A-A
SCALE 1:75



CULVERT CROSSING DETAIL SECTION B-B
SCALE 1:75



CULVERT AND BASE CONFIGURATION
SCALE 1:75

NOTES AND SPECIFICATIONS

- GENERAL**
- 1 ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
 - 2 ALL DIMENSIONS ARE IN MILLIMETERS. (UNLESS OTHERWISE SPECIFIED)
 - 3 DO NOT SCALE FROM THESE DRAWINGS.
 - 4 ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
 - 5 ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4, THIRD EDITION 2005 AND THE STANDARD TIME DETAIL DRAWINGS.
 - 6 THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS. (IF APPLICABLE)
 - 7 THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.
 - 8 THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY MANAGER OF THE TRANSPORT DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
 - 9 THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE TRANSPORT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
 - 10 FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

- ROADS:**
- 1 KERBING TO BE AS PER STANDARD DETAIL PLANS A AND B AND SECTION 10 OF VOLUME 1 OF CONTRACT DOCUMENT.
 - 2 TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL, (THIRD EDITION)
 - 3 VERTICAL AND HORIZONTAL ALIGNMENT TO FOLLOW THE EXISTING ROAD SURFACE WITH A MINIMUM CROSS FALL OF 2 % (IF APPLICABLE)

- STORMWATER**
- 1 MINIMUM PIPE DIAMETER TO BE 450mm.
 - 2 MINIMUM FALL TO BE 1:150.
 - 3 PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED.
 - 4 ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE LAYING OF ANY PIPES.
 - 5 CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE)

AMENDMENTS				
NO.	DATE	APPROVED	DESCRIPTION	PAK.
A	JUNE 2018		ISSUED FOR APPROVAL	
B	AUG 2018		ISSUED FOR APPROVAL	

DESIGNED BY M RAMOHONGANE	DESIGNED BY M RAMOHONGANE
CHECKED BY F.J. VAN RENSBURG	INFRASTRUCTURE TECHNICAL INFORMATION MANAGER D.J. CHALMERS

PROJECT STATUS	
<input type="radio"/> DESIGN	<input checked="" type="radio"/> CONSTRUCTION
<input type="radio"/> OPERATION	<input type="radio"/> MAINTENANCE

PROJECT ENGINEER (CONSULTANT)
F.J. VAN RENSBURG 20170172

INITIALS AND SURNAME SIGNATURE AND P. No. DATE

CONSULTANT DETAIL

M.T. LOU CONSULTANTS ENGINEERS
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14 Escaltona Street
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CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

M. Nene Phiso
Asstg STRATEGIC EXECUTIVE DIRECTOR

M. L. V. Kgafiso-Phiso
EXECUTIVE DIRECTOR

P.O. BOX 1409
PRETORIA 0001

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PRETORIA 0001

LOCATION OF PROJECT:
MONTANA SPRUIT CHANNEL IMPROVEMENT: PHASE 1

DESCRIPTION OF PROJECT:
CULVERT DETAILING AND EMBANKMENT INSTALLATION

CONTRACT No. RTD01-2016/2017-TIDC	PROJECT No. 1063K
DATE AUG 2018	SCALE 1:75
DRAWING NO. 1063K-03X02	ORIGINAL PAPER SIZE A1
	SHEET NO. 1