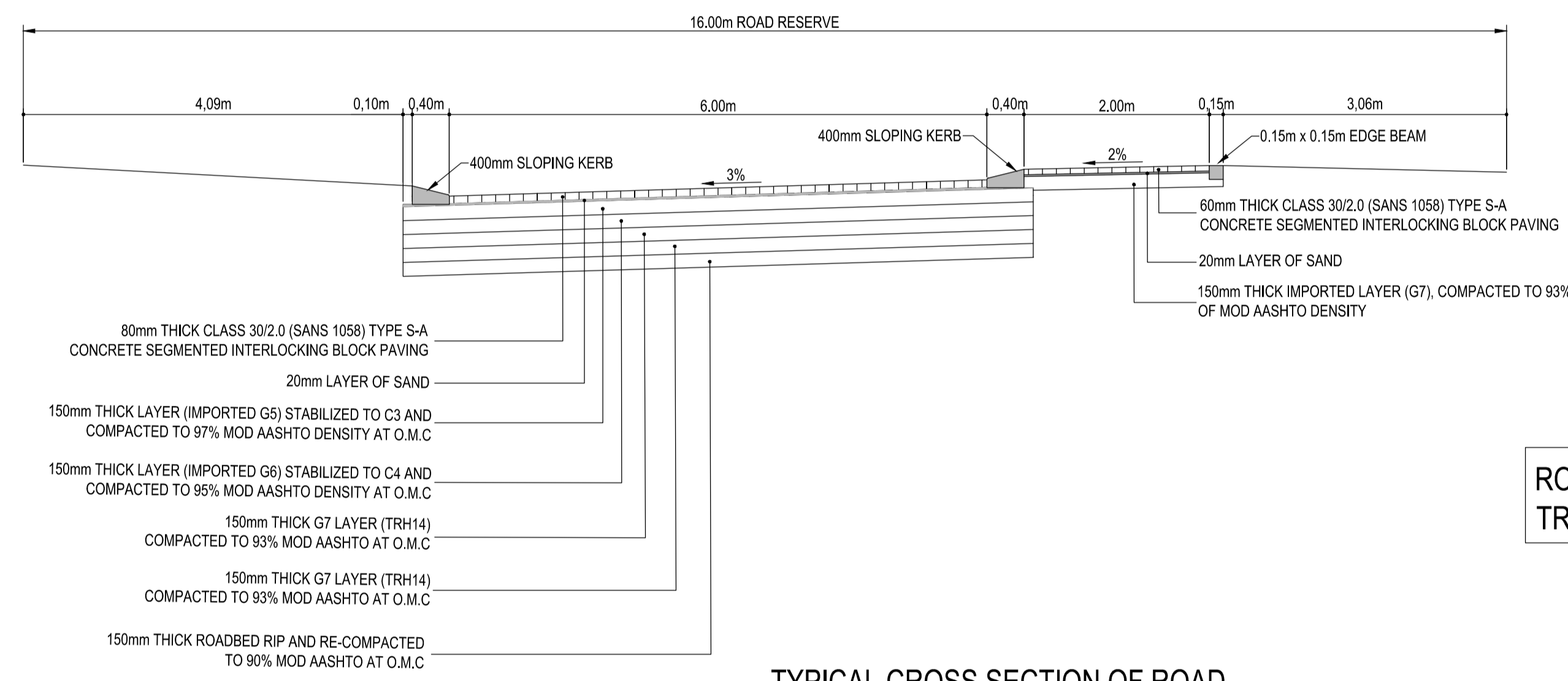


NOTES AND SPECIFICATIONS

- 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, THIRD EDITION 2005 AND THE STANDARD CTM 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).



ROAD CATEGORY UC  
TRAFFIC CLASSIFICATION E4 (UGT 2)

TYPICAL CROSS SECTION OF ROAD  
SCALE 1:50

AMENDMENTS				
NO.	DATE	APPROVED	DESCRIPTION	PAK
A	2017/07/12		ISSUED FOR APPROVAL	
B	2017/07/12		ISSUED FOR APPROVAL	
C	2017/07/12		ISSUED FOR APPROVAL	
D	2017/07/12		ISSUED FOR APPROVAL	

DESIGNED BY M RAMOHONGANE	CHECKED BY F.J. VAN RENSBURG	DATE 2017/07/12	DESCRIPTION INFRASTRUCTURE TECHNICAL INFORMATION
DESIGNED BY M RAMOHONGANE	CHECKED BY D.J. CHALMERS	DATE 2017/07/12	DESCRIPTION INFRASTRUCTURE TECHNICAL INFORMATION

PROJECT STATUS			
CONTRACT	DESIGN	CONSTRUCTION	ASBUILT
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

PROJECT ENGINEER (CONSULTANT)  
F. J. VAN RENSBURG  
2017/07/12  
SIGNATURE AND P. No. DATE

CONSULTANT DETAIL

ITOU CONSULTANTS ENGINEERS  
Unit A, 4th Floor, P.O. Box 1988, Lynn East, 0039  
14 Eccleston Street, Tel: +27 12 548 0796  
Montana Park, Fax: +27 12 548 0209  
D152 email: info@itouv.co.za

CITY OF TSHWANE  
ROADS AND TRANSPORT DEPARTMENT

M. Nava Pity  
Deputy Strategic Executive Director  
P.O. BOX 1409  
PRETORIA  
0001

Ms. L. V. Kegake-Phe  
EXECUTIVE DIRECTOR  
P.O. BOX 1409  
PRETORIA  
0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR  
Ms. L. V. Kegake-Phe

LOCATION OF PROJECT:  
MONTANA SPRUIT CHANNEL  
IMPROVEMENT: PHASE 1

DESCRIPTION OF PROJECT:  
TSAMMA STREET TYPICAL  
ROAD CROSS SECTION

CONTRACT No. RTD01-2016/2017-TIDC	PROJECT No. 1063K
DATE AUG 2018	SCALE 1:50
DRAWING NO. 1063K-03X01	SHEET NO. 1
ORIGINAL PAPER SIZE A1	REVISIONS