



LAYOUT PLAN  
SCALE 1:750

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 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. KERRING TO BE AS PER STANDARD DETAIL PLANS A 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).

- - - CHANNEL IMPROVEMENT AREA
- - - NATURAL SPRUIT DRAINAGE
- - - 1:100 YEAR FLOOD LINE
- - - 1:50 YEAR FLOOD LINE
- SHALLOW ATTENUATION INSIDE CHANNEL IMPROVEMENT
- SHALLOW ATTENUATION OUTSIDE CHANNEL IMPROVEMENT
- EXISTING PONDING TO BE KEPT
- - - SW - - - EXISTING SEWER PIPE
- - - W - - - EXISTING WATER PIPE
- - - SW - - - EXISTING STORM WATER PIPE

**AMENDMENTS**

NR.	DATE	APPROVED	DESCRIPTION	PKR.
A	2017		ISSUED FOR APPROVAL	
B	AUG 2018		ISSUED FOR APPROVAL	

**FORWARDED BY:** M RAMOHOGANE

**DESIGN:** M RAMOHOGANE

**CHECKED BY:** F.J. VAN RENSBURG

**OPERATIONAL/TECHNICAL INFORMATION MANAGER:** D.J. CHAMBERS

**PROJECT STATUS**

**PROJECT ENGINEER (CONSULTANT):** F.J. VAN RENSBURG

**DATE:** 2017/01/2

**CONSULTANT DETAIL**

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**CITY OF TSHWANE**

**ROADS AND TRANSPORT DEPARTMENT**

**MANAGING STRATEGIC EXECUTIVE:** M. NAVA PILAY

**EXECUTIVE DIRECTOR:** M. L. V. KAGAGANE-PAU

**LOCATION OF PROJECT:** MONTANA SPRUIT CHANNEL IMPROVEMENT: PHASE 1

**DESCRIPTION OF PROJECT:** MONTANA SPRUIT CHANNEL LAYOUT PLAN 3 OF 3

**CONTRACT NO.:** RTD01-2016/2017-TIDC18

**PROJECT NO.:** 1063K

**DATE:** AUG 2018

**SCALE:** 1:750

**ORIGINAL PAPER SIZE:** A1

**DRAWING NO.:** 1063K-03U04

**SHEET NO.:** 1