



Start
Chain 0.000
Y0 = 74295.497
X0 = 2839036.133

PI 1
Y1 = 74267.268
X1 = 2839042.639
R = 300.000
T = 4.455
CL = 8.909
DA = 1.42.05
BC1 = 24.514
EC1 = 33.423

PI 2
Y2 = 74126.722
X2 = 2839079.458
R = 50.000
T = 11.456
CL = 22.523
DA = 25.48.34
BC2 = 162.801
EC2 = 185.324

PI 3
Chain 339.232
Y3 = 73964.468
X3 = 2839047.538

LAYOUT PLAN
SCALE 1:500

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 TO 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 KERBS 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 1:50.
- 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).

LEGEND

- AMOUR FLEX EROSION PROTECTION
- 150mm CONCRETE ROAD
- 60mm OBLONG BLOCKS
- 80mm INTERLOCKING BLOCKS

REFER TO DRW 1063K-03U1 FOR LONG SECTION
REFER TO DRW 1063K-03U3 FOR CROSS SECTIONS

| AMENDMENTS | | | | |
|------------|----------|----------|---------------------|------|
| NO | DATE | APPROVED | DESCRIPTION | PREP |
| A | AUG 2018 | | ISSUED FOR APPROVAL | |
| B | AUG 2018 | | ISSUED FOR APPROVAL | |

DESIGNED BY: M. RAMAKONGANE
DRAWN BY: M. RAMAKONGANE
DESIGN CHECKED BY: F.J. VAN RENSBURG
CHECKED BY: D.J. CHALMERS

PROJECT STATUS

PROJECT ENGINEER (CONSULTANT): F.J. VAN RENSBURG
DATE: 2017/07/22
SIGNATURE AND PRINT NAME: [Signature]
DATE: [Date]

CONSULTANT DETAIL

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ROADS AND TRANSPORT DEPARTMENT
Ms. Nava Pitya
ALDERS STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409, PRETORIA 0001

MONTANA SPRUIT CHANNEL IMPROVEMENT: PHASE 1

TSAMMA STREET ROAD LAYOUT

CONTRACT NO: RTD01-2016/2017-TIDC18
PROJECT NO: 1063K
DATE: AUG 2018
SCALE: 1:500
ORIGINAL PAPER SIZE: A1
DRAWING NO: 1063K-03U01
SHEET NO: 1