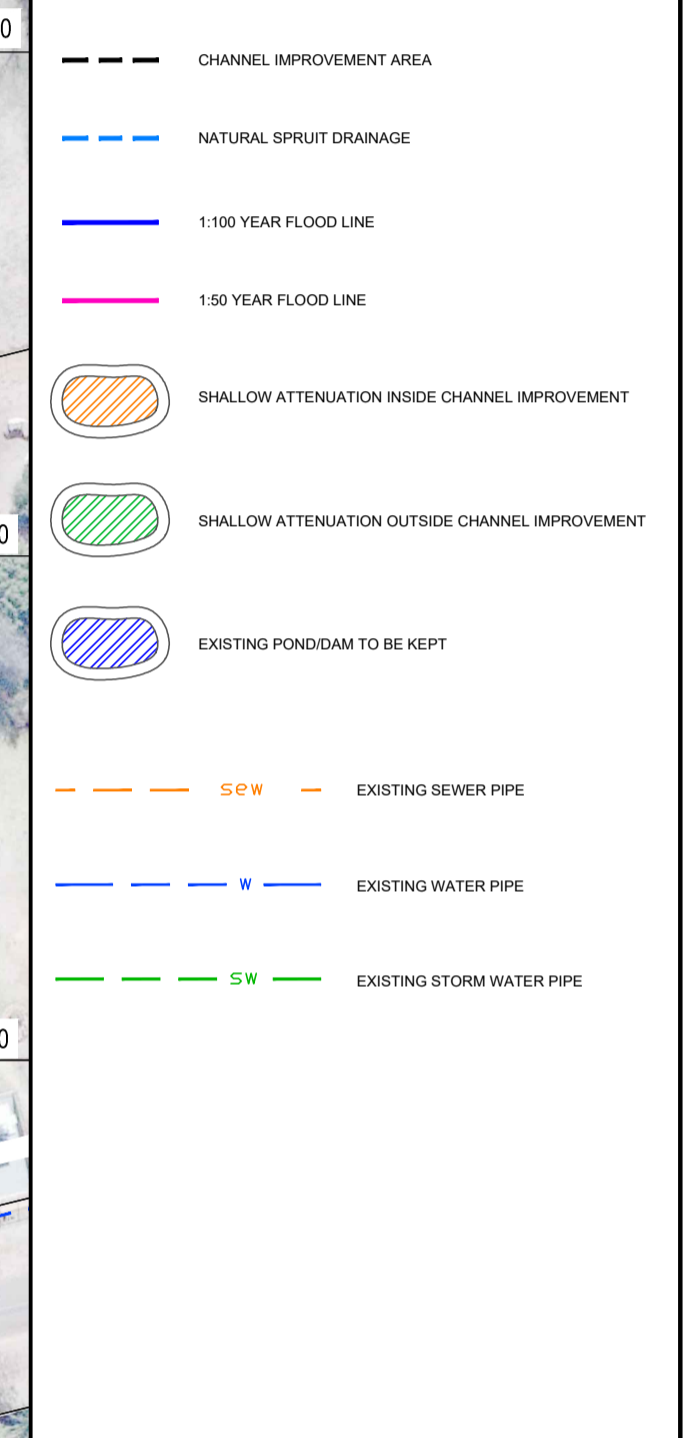


- ### NOTES AND SPECIFICATIONS
- GENERAL**
- 1 ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
 - 2 ALL DIMENSIONS ARE IN MILLIMETERS, (UNLESS OTHERWISE SPECIFIED)
 - 3 DO NOT SCALE FROM THESE DRAWINGS.
 - 4 ALL DIMENSIONS MUST BE CHECKED AND APPROVED 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 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, THIRD EDITION 2005 AND THE STANDARD DETAIL DRAWINGS.
 - 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				
NR.	DATE	APPROVED	DESCRIPTION	PAR.
A	15 AUG 2018		ISSUED FOR APPROVAL	
B	AUG 2018		ISSUED FOR APPROVAL	

PREPARED		DRAWN	
M RAMOSIGANE		M RAMOSIGANE	
PERSON CHECKED BY		OFFICIAL/TECHNICAL SUPERVISOR	
F.J. VAN RENSBURG		D.J. CHALMERS	

PROJECT STATUS				
CONCEPT	DESIGN	CONSTRUCTION	AS BUILT	OPERATIONAL
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

PROJECT ENGINEER (CONSULTANT): F.J. VAN RENSBURG, 2017/01/2, DATE

INITIALS AND SIGNATURE: SIGNATURE AND P. NO., DATE

CONSULTANT DETAIL

MILLOU
14 ESCORTS STREET
MONTANA PARK
0182

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

M. N. N. Pillay, DIRECTOR
P.O. BOX 1409, PRETORIA 0001

M. L. V. Kgagale-Pa, EXECUTIVE DIRECTOR
P.O. BOX 1409, PRETORIA 0001

MONTANA SPRUIT CHANNEL IMPROVEMENT: PHASE 1

MONTANA SPRUIT CHANNEL LAYOUT PLAN 2 OF 3

CONTRACT NO. RTD01-2016/2017-TIDC18	PROJECT NO. 1063K
DATE: AUG 2018	SCALE: 1:750
DRAWING NO. 1063K-03/03	SHEET NO. 1

SETTING OUT LO 29, WGS84 DATUM			
TAG	Y	X	Z
C131	73976.325	2839378.096	1226.786
C132	74230.800	2838899.902	1222.733
C133	74233.011	2838895.679	1222.720
C134	74259.113	2838740.494	1221.706
C135	74258.432	2838736.266	1221.661
C136	74264.483	2838747.649	1222.581
C137	74096.307	2839349.330	1227.589
C138	74158.518	2839065.650	1224.488
C139	74139.171	2839070.718	1224.432
C140	74141.857	2839080.972	1224.632
C141	74121.215	2839072.715	1224.425
C142	74120.286	2839083.274	1224.625
C143	74102.105	2839069.214	1224.425
C144	74100.059	2839079.614	1224.625
C145	74092.293	2839067.283	1224.425
C146	74090.247	2839077.684	1224.625
C147	74082.481	2839065.353	1224.468
C148	74080.435	2839075.754	1224.668
C149	74079.202	2839080.012	1225.021
C150	74150.715	2839082.535	1224.588

LAYOUT PLAN
SCALE 1:750