LOCALITY PLAN

SCALE 1:10 000

REFERENCE MARKS WG 29°

NAME	Y	X	Z
BM1	65896.935	2847209.206	1302.085
BM2	66042.758	2847178.855	1305.434
BM3	66969.604	2846932.711	
BM4	67009.911	2846134.328	
BM5	66931.297	2845677.373	

LEGEND:

- ROAD RESERVE BOUNDARY
- TOWNSHIP BOUNDARY - EXT. 11
- EXISTING ROADS
- NEW MUNICIPAL ROAD
- FUTURE ROAD
- 1: 50YR FLOODLINE
- 1:100YR FLOODLINE
- RBM1 BENCHMARKS
- NEW STORMWATER (450mm ø UNLESS OTHERWISE SHOWN)
- DRAINAGE DIRECTION
- FI NEW FIELD INLET
- JB NEW JUNCTION BOX
- MH NEW MANHOLE
- KI NEW KERB INLET
- NEW STORMWATER OUTLET
- NEW PIPE END - BRICKED UP
- EXISTING STORMWATER
- EXISTING STORMWATER TO BE MADE REDUNDANT
- FUTURE STORMWATER
- NEW SUBSOIL DRAIN
- NEW EARTH BERM

STORMWATER:

1. ALL PIPES TO BE PRECAST REINFORCED CONCRETE WITH INTERLOCKING JOINTS (OGEE) IN ACCORDANCE WITH SANS 677.
2. CONCRETE PRECAST SECTIONS TO CONFORM TO SABS 927-1969 SPECIFICATIONS.
3. ALL STORMWATER PIPES TO BE 450mm DIA / CLASS 100D UNLESS OTHERWISE SHOWN. (EG. 525a/75D - 525mm DIA/CLASS 75D)
4. PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED
5. ALL KERB INLETS TO BE 2.0m LONG INCLUDING LOW POINT KERB INLETS UNLESS OTHERWISE SHOWN.
6. STORMWATER PIPES TO HAVE A MINIMUM SLOPE OF 0.667% 1:150 UNLESS OTHERWISE SHOWN
7. ALL PIPES TO BE LAID SOFFIT TO SOFFIT AT JUNCTION BOXES.
8. STORMWATER PIPES TO HAVE A MINIMUM COVER OF 1000mm AND 600mm IN ROAD RESERVES AND ERVEN RESPECTIVELY.
9. JUNCTION BOX COVERS TO BE 300mm BELOW NATURAL GROUND LEVEL.
10. MANHOLES MUST BE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS AND EQUIPPED WITH MEDIUM DUTY PRECAST CONCRETE COVERS AND FRAMES (SABS TYPE 4). MANHOLES IN THE CARRIAGEWAY MUST BE EQUIPPED WITH HEAVY DUTY CAST IRON COVERS AND FRAMES (SANS TYPE 2A) (SECUREX OR SIMILAR APPROVED)
11. JUNCTION BOXES, MANHOLES, KERB INLETS & OUTLET STRUCTURES MUST BE BUILT ACCORDING TO CTMM STANDARD DETAIL DRAWINGS.
12. KERBS AND TRANSITION SECTIONS MUST BE BUILT ACCORDING TO THE CTMM DRAWINGS: DRAWING NUMBER : STD-007 SHEET 1 AND 2.
13. ALL LEVELS OF EXISTING SERVICES ARE TO BE CHECKED AND VERIFIED ON SITE AND SUBMITTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION.
14. ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE THE LAYING OF PIPES MAY COMMENCE.
15. CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY.(IF APPLICABLE).
16. FOR ALL STORMWATER PIPES REFER TO LONGITUDINAL SECTIONS FOR SIZES, CO-ORDINATES AND INVERT LEVELS.

NOTES AND SPECIFICATIONS

GENERAL:

1. ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
2. DO NOT SCALE FROM THESE DRAWINGS.
3. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
4. ALL DIMENSIONS ARE IN METERS (UNLESS OTHERWISE SPECIFIED)
5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD COT DETAIL DRAWINGS.
6. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD DRAWINGS (IF APPLICABLE).
7. SERVICES INSIDE THE WORK AREA TO BE IDENTIFIED AND THE SERVICE OWNERS CONTACTED, AS PER THE PROJECT SPECIFICATIONS
8. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION)
   a. DURING CONSTRUCTION THE CONTRACTOR SHALL PREPARE TRAFFIC ACCOMMODATION DETAILS TO SUIT HIS WORKING METHODS TO BE AGREED WITH THE ENGINEER
9. ALL KERBING, TRANSITION SECTIONS AND PEDESTRIAN RAMP ACCORDING TO CoT DETAIL DRAWINGS AND PRECAST SECTIONS SHALL CONFORM TO SANS 927
10. ALL PRECAST TACTILE BLOCKS SHALL CONFORM TO SANS 784
11. THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY DIRECTOR OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
12. THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS AND INFRASTRUCTURE DEVELOPMENT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.

LEGEND SEWER

- EXISTING MUNICIPAL SEWER LINE
- NEW MUNICIPAL SEWER LINE
- NEW SEWER MANHOLE
- NEW SEWER HOUSE CONNECTION

LEGEND: WATER

- EXISTING MUNICIPAL WATER LINE
- NEW INTERNAL WATER LINE
- NEW MUNICIPAL WATER LINE
- NEW FIRE HYDRANT
- FUTURE WATER

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.
A	MAY 2025	W.S	ISSUED FOR APPROVAL	-
0	23-10-2025	W.S	ISSUED FOR CONSTRUCTION	

DESIGNED	DRAWN
C. LEONARD	R.EVANS
SIGNATURE DATE: 23-10-2025	
DESIGN CHECKED BY	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT
W.STANDER	S.H AUDIE
SIGNATURE DATE: 23-10-2025	SIGNATURE DATE:

PROJECT STATUS

○ CONCEPT DRAWING ○ TENDER DRAWING ● APPROVED FOR CONSTRUCTION DRAWING ○ AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)		
W. STANDER	20060017	23-10-2025
INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
PROJECT ENGINEER (CITY OF TSHWANE)		
INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
STRUCTURAL ENGINEER (CITY OF TSHWANE)		
INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
OFFICIAL REPRESENTATIVE (CITY OF TSHWANE):		
W.A.C BRUHNS		
INITIALS AND SURNAME	SIGNATURE AND Pr. No. 0570081	DATE

CONSULTANT DETAIL

Civil Concepts (Pty) Ltd
Consulting Civil & Structural Engineers
PO Box 36148, Menlo Park, 0102
Office: +27 12 460 0008
www.civilconcepts.co.za
mail@civilconcepts.co.za

CITY OF TSHWANE

ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD	DIVISIONAL HEAD
Mr Letlonkane P. (Pheko)	Mr Tlhagale M.K.P. (Mavern)
P.O. BOX 1409	P.O. BOX 1409
PRETORIA	PRETORIA
0001	0001

DRAWING APPROVED BY DIVISIONAL HEAD
Mr Tlhagale M.K.P. (Mavern)

SIGNATURE: DATE:

LOCATION OF PROJECT:

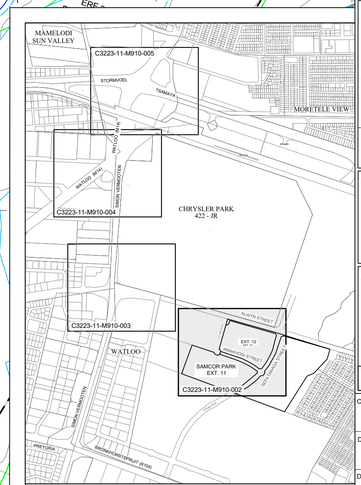
SAMCOR PARK EXT. 11 & EXT. 12

DESCRIPTION OF PROJECT

SERVICES MASTER LAYOUT

WAYLEAVE NUMBER

CONTRACT No. :	PROJECT No. :
C3223/1	C3223
DATE : MARCH 2023	SCALE : 1:1500
ORIGINAL PAPER SIZE: A1	
DRAWING NO. C3223-11-000-100	SHEET NO: 01 OF 01
REVISION: 0	



KEY PLAN

N.T.S

W:\CC-Projects\C PROJECTS\C3223 (WS) SAMCOR PARK (FEENSTRA)\CAD Drawings\C3223-11-000-100 REV 0 SERV MAST LO - 2025-10-23