



STORMWATER POINTS			
POINT NAME	NORTHING	EASTING	COVER LEVEL
CP1	-3647759.248	85446.545	64.100
CP2	-3647768.247	85451.020	65.520
CP3	-3647777.182	85455.466	66.865
CP4	-3647786.046	85459.876	68.205
CP5	-3647794.909	85464.286	69.540
CP6	-3647803.772	85468.697	70.880
CP7	-3647713.442	85481.389	61.180
CP8	-3647726.104	85486.915	63.820
CP9	-3647734.989	85491.325	65.825
CP10	-3647754.491	85501.028	68.965
CP11	-3647763.390	85505.456	70.215
CP12	-3647772.235	85509.857	71.485
CP13	-3647781.107	85514.271	72.755
CP14	-3647695.183	85528.372	62.000
CP15	-3647700.825	85531.173	63.425
CP16	-3647709.652	85535.537	65.690
CP17	-3647731.793	85546.598	69.860
CP18	-3647740.678	85551.008	71.115
CP19	-3647749.572	85555.433	72.400
CP20	-3647758.480	85559.866	73.675

STORMWATER POINTS			
POINT NAME	NORTHING	EASTING	COVER LEVEL
KI1	-3647752.575	85438.990	62.300
KI2	-3647762.184	85456.320	66.945
KI3	-3647742.952	85504.670	68.780
KI4	-3647729.459	85520.519	68.785
KI5	-3647721.456	85538.555	68.515
KI6	-3647691.000	85546.575	61.620

- General**
- G1 This drawing shall be read in conjunction with all other working drawings and specifications and with such other written instructions as may be issued during the course of the construction. Any discrepancies or variations shall be referred to the Engineer before proceeding with work.
  - G2 Work shall be done in accordance with requirements of all relevant and current South African Codes where applicable.
  - G3 All dimensions relevant to setting out and off-site work shall be verified before construction and fabrication is commenced.
  - G4 Dimensions shall not be obtained by scaling the drawings.
  - G5 During construction all structures shall be maintained in a stable condition and no part shall be over-stressed.
  - G6 All levels are in meters above mean sea level.
  - G7 Where connections to existing drainage systems/services is required the levels and locations of all relevant stormwater outlets, box culverts, outfalls, conduits/services shall be verified before construction and referred to the engineer before construction is commenced.

- G8 It is the responsibility of the contractor to locate existing services. Any damage caused to existing services shall be repaired to the satisfaction of the engineer, at the contractor's expense.
- G9 Where pits/trenches which are to be constructed in the vicinity of buildings, shoring and bracing adequate to prevent undermining of the building shall be provided to the approval of the Engineer.
- G10 All signs are to be provided in English. English only has been shown on the drawings.
- G11 All dimensions and levels to be checked on site and where applicable to match existing structure.
- G12 Any discrepancy or contradiction is to be immediately reported to the Engineer.
- G13 A complete set of drawings to be available on site at all times.
- G14 All dimensions shown on the plan are to be plotted on site at the horizontal level.
- G15 The contractor is responsible for the correct setting out. Details are to be in accordance with the drawings.

- Services**
- S1 The contractor shall provide proper support for all existing services which become exposed due to excavation for installation and relocation of new and existing services.
  - S2 All concrete stormwater pipes/culverts shall be manufactured in accordance with relevant South African standards and conforming to the requirements in the specification.
  - S3 Minimum cover to pipes/culverts and conduits shall be 900mm unless noted otherwise on the drawings.
  - S4 All pits, manholes and headwalls are symmetrical unless noted otherwise on the drawings.
  - S5 Where existing service lines, that are to be maintained are found to conflict with the new services the Engineer shall be advised and the new services shifted to the Engineer's approval.
  - S7 A sample of fill material together with test results shall be provided to the Engineer prior to construction.
  - S8 The specification for fill material to be as follows:
    - (1) contain no organic material or stone of dimension 150mm or two-thirds the thickness of the layer to be compacted.
    - (2) be capable of compacting to 95% MOD A.A.S.H.T.O. for the gravel wearing course and 93% for the gravel selected layer.

Revision Details			
No.	Date	Description	By

**SINAKHOE CONSULTING**

**EAST LONDON OFFICE**  
93 Western Avenue, P.O. Box 13101, VINCENT, EAST LONDON, 5217  
Tel: 043 726 4389; info@sinahcoconsulting.co.za

**KOMANI OFFICE**  
44 Grey Street, P.O. Box 9676, KOMANI, 5320  
Tel: 045 838 3939; info@sinahcoconsulting.co.za

PROUDLY SOUTH AFRICAN

Client: **REDLINE GROUP**

Project: **NAHOON VALLEY DEVELOPMENT**

Drawing Title: **STORMWATER LAYOUT**

Designed: **D Ball** Scale: **As Shown**

Drawn: **D Ball** Size: **A1**

Checked: **D de Wet** Date: **01-Sep-2023**

Revision: **0**

Drawing No.: **S22150-SOD-07**

**FOR INFORMATION**