

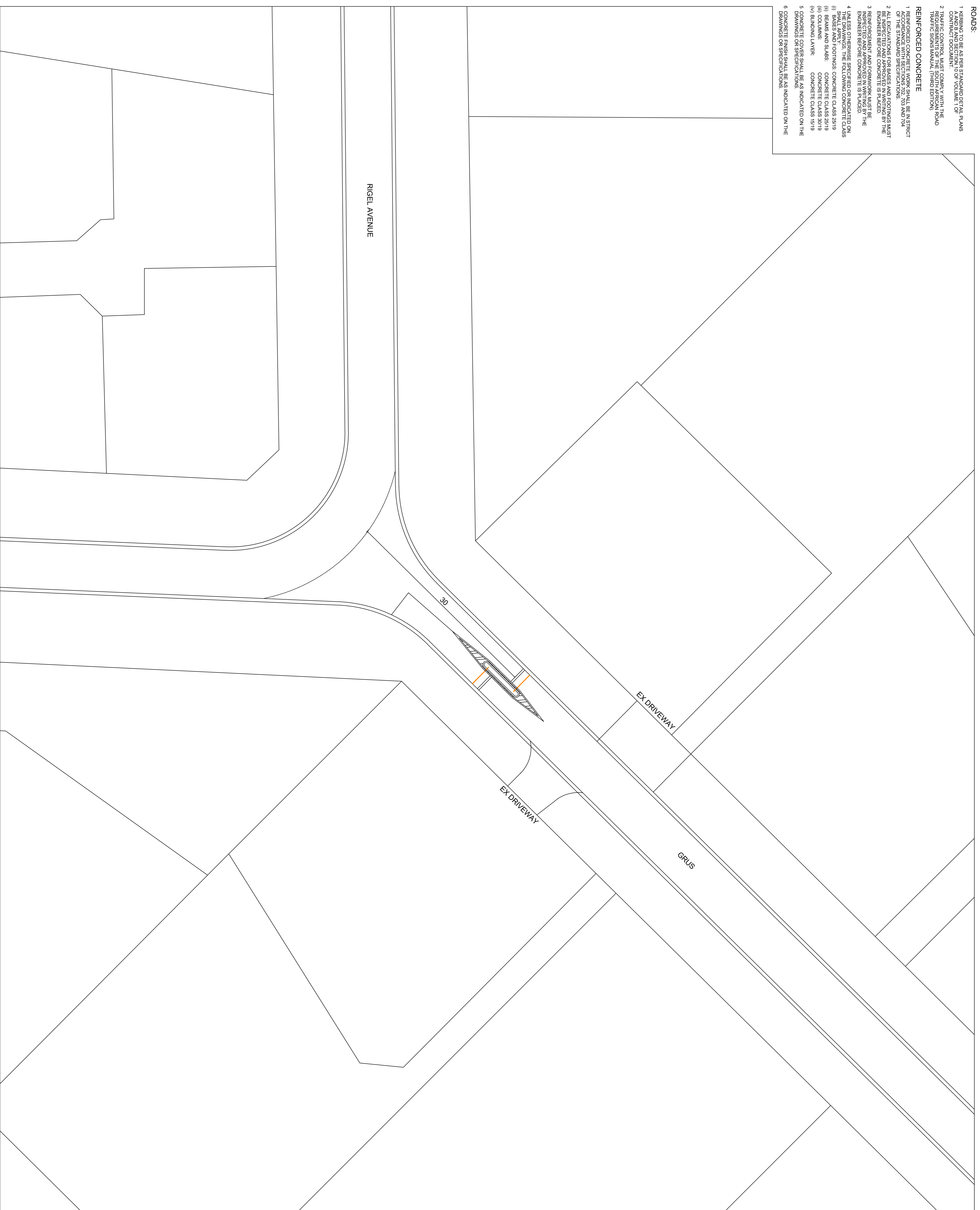


**ROADS:**

1. REFER TO BE AS PER STANDARD DETAIL PLANS CONTRACT DOCUMENT.
2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).

**REINFORCED CONCRETE**

1. REINFORCED CONCRETEWORK SHALL BE IN STRICT ACCORDANCE WITH SANS 1010 AND 1014 OF THE STANDARD SPECIFICATIONS.
2. ALL EXCAVATIONS FOR BASES AND FOOTINGS MUST BE INSPECTED AND APPROVED IN WRITING BY THE REGISTERED CIVIL ENGINEER BEFORE ANY WORK BEGINS.
3. REINFORCEMENT FOR FOOTINGS MUST BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CONCRETE IS PLACED.
4. UNLESS OTHERWISE SPECIFIED OR INDICATED ON THE DRAWINGS, THE FOLLOWING CONCRETE CLASS (i) BASES AND FOOTINGS CONCRETE CLASS 25/19 (ii) BEAMS AND SLABS CONCRETE CLASS 25/19 (iii) COLUMNS CONCRETE CLASS 30/19 (iv) BUNDING LAYER CONCRETE CLASS 15/19
5. CONCRETE COVER SHALL BE AS INDICATED ON THE DRAWINGS OR SPECIFICATIONS.
6. CONCRETE FINISH SHALL BE AS INDICATED ON THE DRAWINGS OR SPECIFICATIONS.



**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 THIS DRAWING.
4. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROADWORK (THIRD EDITION 2005 AND THE STANDARD CIVIL DETAIL DRAWINGS).
6. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE ARCHITECT 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 OF INITIALS ON THIS DRAWING OF ANY MANAGER OF THEROADS & 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 ROADS & TRANSPORT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

**AMENDMENTS**

NO.	DATE	APPROVED	DESCRIPTION	DATE
01	2022/10/02	LD	ISSUED FOR APPROVAL	LD

DESIGNED: LP FOURIE  
 DRAWN: LP FOURIE  
 CHECKED BY: D.J. CHALMERS  
 DATE: \_\_\_\_\_

**PROJECT STATUS**

PROJECT ENGINEER (CONSULTANT): \_\_\_\_\_ DATE: \_\_\_\_\_  
 INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROJECT ENGINEER (CITY OF TSHWANE): \_\_\_\_\_ DATE: \_\_\_\_\_  
 INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 STRUCTURAL ENGINEER (CITY OF TSHWANE): \_\_\_\_\_ DATE: \_\_\_\_\_  
 INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 OFFICIAL REPRESENTATIVE (CITY OF TSHWANE): \_\_\_\_\_ DATE: \_\_\_\_\_

**CONSULTANT DETAIL**

**LD&S CONSULTING**  
 340B ACCORN STREET  
 LYNNWOOD  
 EMAIL: info@ldands.com  
 CELL: 083 300 2389

**CITY OF TSHWANE**  
 ROADS AND TRANSPORT DEPARTMENT

**LD&S CONSULTING**  
 GROUP HEAD: \_\_\_\_\_  
 PROJECT ENGINEER: \_\_\_\_\_  
 P.O. BOX 1409  
 PRETORIA  
 0001

**TSHWANE**  
 MUNICIPALITY  
 M. Tshwane (Mayor)  
 P.O. BOX 1409  
 PRETORIA  
 0001

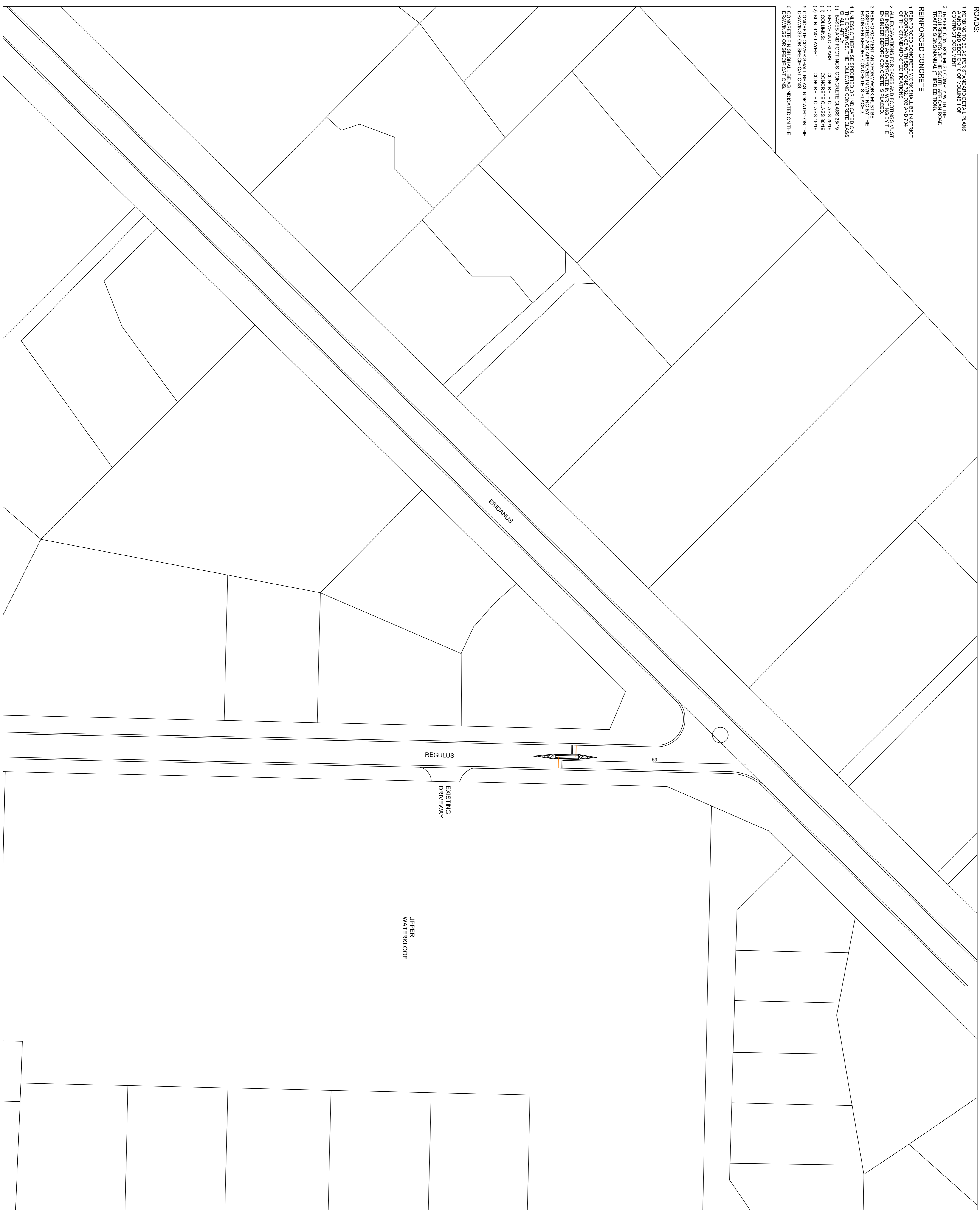
**JRG RESIDENTS ASSOCIATION**

**RESIDENTIAL CLOSURE**  
**GRUS STREET**

WAVELEAVE NO.: WL2021  
 CONTRACT No.: C20221042  
 PROJECT No.: P1042  
 DATE: 30/11/2021  
 SCALE: AS SHOWN  
 SHEET NO: A1  
 DRAWING NO: P1042-CC-RD-002  
 SHEET 1 OF 1

**ROADS:**

1. KERBING TO BE AS PER STANDARD DETAIL PLANS CONTRACT DOCUMENT.
  2. TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION).
- REINFORCED CONCRETE**
1. REINFORCED CONCRETE STRUCTURES SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE STANDARD SPECIFICATIONS.
  2. ALL EXCAVATIONS FOR BARS AND FOOTINGS MUST BE INSPECTED AND APPROVED IN WRITING BY THE RESPONSIBLE ENGINEER BEFORE ANY WORK BEGINS.
  3. REINFORCEMENT FOR CONCRETE STRUCTURES MUST BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CONCRETE IS PLACED.
4. UNLESS OTHERWISE SPECIFIED OR INDICATED ON THE DRAWINGS, THE FOLLOWING CONCRETE CLASS (i) BASES AND FOOTINGS CONCRETE CLASS 25/19 (ii) BEAMS AND SLABS CONCRETE CLASS 20/19 (iii) COLUMNS CONCRETE CLASS 20/19 (iv) BUNDING LAYER CONCRETE CLASS 15/19
5. CONCRETE COVER SHALL BE AS INDICATED ON THE DRAWINGS OR SPECIFICATIONS.
  6. CONCRETE FINISH SHALL BE AS INDICATED ON THE DRAWINGS OR SPECIFICATIONS.



**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 THIS DRAWING.
  4. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
  5. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROADWORK AND THE STANDARD CIVIL DETAIL DRAWINGS THIRD EDITION 2005 AND THE STANDARD CIVIL DETAIL DRAWINGS.
  6. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE ARCHITECT 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 THEROADS & 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 ROADS & TRANSPORT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
  10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

AMENDMENTS			
NO.	DATE	APPROVED	DESCRIPTION

**PROJECT STATUS**

DESIGNED:  LP FOURIE

DRAWN:  LP FOURIE

CHECKED BY:  M. THOMPSON

REVISIONS:

NO.	DATE	DESCRIPTION

**CONSULTANT DETAIL**

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

INITIALS AND SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**LD&S CONSULTING**

340B ACCORN STREET  
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**CITY OF TSHWANE**

ROADS AND TRANSPORT DEPARTMENT

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PRETORIA 0001

DIVISIONAL HEAD: M. THOMPSON  
P.O. BOX 1489  
PRETORIA 0001

**JRG RESIDENTS ASSOCIATION**

**RESIDENTIAL CLOSURE**

**REGULUS STREET**

WAVE/EA/NO\_.../11/2021

CONTRACT NO.: C2021042

PROJECT NO.: P1042

DATE: 30/11/2021

SCALE: AS SHOWN

DRAWING NO: P1042-CC-RD-003

SHEET NO: SHEET 1 OF 1

REVISION: