
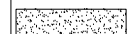








NOTES

1. PENS - POSITION A = 4028m²
- POSITION B = 3400m²
- POSITION C = 3400m²
- TOTAL = 16208m²
2. MANURE PASSAGE - POSITION A = 1640m²
- POSITION B = 2090m²
- POSITION C = 1474m²
- TOTAL = 6204m²
3. MANURE STORAGE AREA - POSITION A = 400m²
- POSITION B = 400m²
- POSITION C = 400m²
- TOTAL = 1200m²
4. RETENTION PONDS - POSITION A = 2x70 = 140m²
- POSITION B = 120m²
- POSITION C = 120m²
- TOTAL = 380m²
5. IRRIGATION DAM - POSITION A = 2150m²
6. IRRIGATION FIELDS - 38ha

-  NEW PROPOSED BUILDINGS
-  RETENTION PONDS
-  MANURE STORAGE AREA
-  STORM WATER BERM
-  SHEEP RACE
-  CLEAN WATER RUN-OFF (STORM WATER)
-  EXISTING ESKOM LINE

FOR INFORMATION ONLY

NO.	REVISIONS	DRAWN	DATE
L	POSITION C UPDATED	SR	16/11/24
K	DRAWING UPDATED POSITION C RACE'S	SR	23/10/24
J	DRAWING UPDATED	SR	21/10/24
I	NOTES UPDATED	SR	13/10/24
H	SITE UPDATED	SR	06/10/24
G	SECTION SADDLED	SR	29/09/24
F	SITE LAYOUT UPDATED	SR	15/09/24
E	SITE LAYOUT UPDATED	SR	03/09/24
D	DRAWING UPDATED	SR	25/08/24
C	SITE LAYOUT CHANGED	SR	25/08/24
B	VEHICLE TRACKING ADDED	SR	20/08/24
A	ISSUED FOR INFORMATION	SR	11/08/24

CONSULTANT: **CONSULTING ENGINEERS (PTY) LTD**
 27 Veld Street, Glen Marais P.O. Box 3346 KEMPTON PARK 1620 SOUTH AFRICA
 BURMEISTER VAN NEKERK Tel: +27 82 567 5681 e-mail: jvn@bvno.co.za

DESIGNED	JVN/SR	08/24	DRAWN	SR	08/24
CHECKED			APPROVED PROJECT CO-ORDINATOR		
APPROVED:			PR. ENGINEER		
APPROVED:			CLIENT		

CLIENT:

VROLYKHEID 177
 WESTERN CAPE
 TEL: +27 (0)

DISCIPLINE: CIVIL


PROJECT TITLE:

VROLYKHEID 177
SHEEP FEED LOT

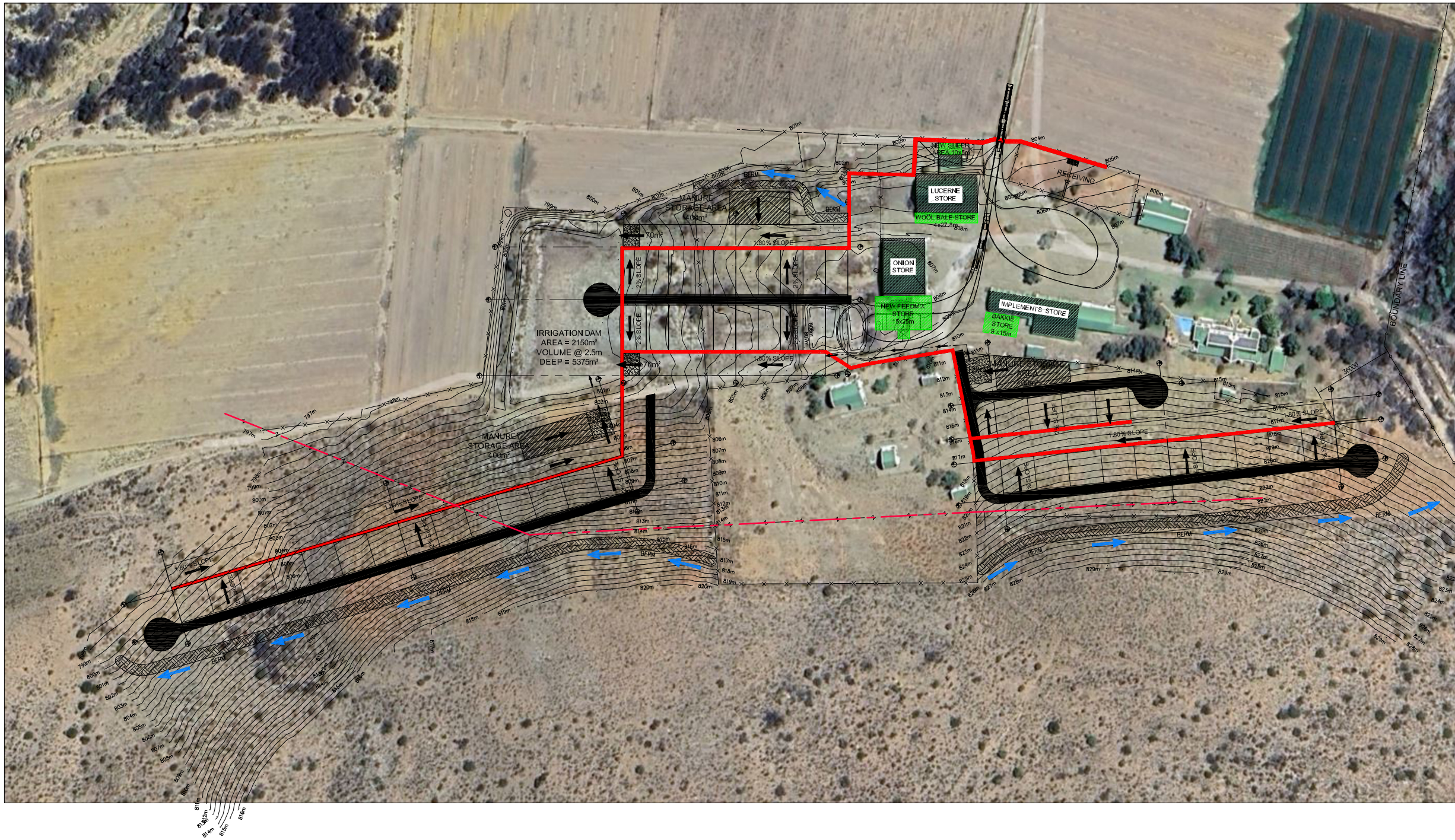
DRAWING TITLE:

SITE LAYOUT
OPTION B

SCALE: 1:1000 A1

CONSULTANT DRAWING NO.: K2594/C1-00-B REV. 

CLIENT DRAWING NO.: REV. 

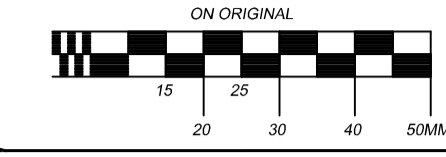




ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING

THE COPYRIGHT IN THIS DRAWING, INCLUDING THE DESIGN AND DETAILS SHOWN HEREON, IS RESERVED BY THE ENGINEER.

THIS DRAWING IS NOT TO BE USED IN WHOLE OR PART OTHER THAN FOR THE INTENDED PURPOSE AND PROJECT, AS DEFINED ON THIS DRAWING. REFER TO THE CONTRACT FOR FULL TERMS AND CONDITIONS.



- NOTES:**
- GENERAL:
1. NO DIMENSIONS TO BE SCALED.
 2. ALL CONCRETE TO BE 25MPa/19mm UNLESS SPECIFIED OTHERWISE.
 3. CONCRETE TO BE CURED FOR A MINIMUM OF 28 DAYS BY AN APPROVED METHOD.
 4. DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWING.
 5. ALL SETTING OUT DIMENSIONS AND LEVELS TO BE CHECKED ON SITE BY CONTRACTOR.
 6. ABBREVIATIONS: T - TOP FACE; STG - STAGGERED; ALT - ALTERNATE; NF - NEAR FACE; FF - FAR FACE; BF - BOTH FACE; HB - HOLLOW BLOCKS.
 7. CONTRACTOR IS TO PROVIDE ALL BLOCKS AND STUOLS TO ENSURE CORRECT POSITIONING OF TOP AND BOTTOM REINFORCING DURING POURING.
 8. TWO LAYERS OF MALTHOD TO BE PLACED ON TOP OF BRICKWORK BEFORE SLABS AND BEAMS ARE CAST TO FORM HORIZONTAL JOINT.
 9. DEEP "D" IN PLASTER AT CONCRETE-BRICKWORK INTERFACE.
 10. WATERPROOFING TO SPECIALIST DETAIL (OTHERS) - WATERPROOFING TO BE COMPLETED BY SPECIALIST.
 11. USE BRICKFORCE OF LADDER TYPE COMPRISING MAIN WIRES OF NOT LESS THAN 2.0mm DIA. BRICKFORCE TO BE MANUFACTURED FROM PRE-GALVANISED WIRE (CLASS A GALVANISING IN ACCORDANCE WITH SABS 935).
 12. INFILL CONCRETE IN REINFORCED CORES AND CAVITIES (15mm STONE) - 20MPa.
 13. ALL WORK TO BE DONE TO THE RELEVANT SABS CODES WITH SPECIAL REFERENCE TO SABS 1200 & WHERE REQUIREMENTS MAY VARY.
 14. ALL REINFORCEMENT TO BE INSPECTED BY THE ENGINEER PRIOR TO CONCRETING.
 15. CONTRACTOR TO PROVIDE PROOF OF CONCRETE STRENGTH.
 16. USE CLASS 1 MORTAR ON STRUCTURAL LOAD BEARING BRICKWORK ELSE CLASS 2.
 17. PROPPING OF SLAB TO BE NOT MORE THAN 1500cc IN ONE DIRECTION AND 1000cc IN THE OPPOSITE DIRECTION.
 18. BRICKFORCE EVERY COURSE ABOVE LINTOL HEIGHT TO WALL PLATE.
 19. USE BUTTERFLY WALL TIES AT 800cc HORZ. TO LAST THREE COURSES OF LOAD BEARING BRICKWORK BELOW SLAB OR ROOF.
 20. ALL WORK TO COMPLY WITH NATIONAL BUILDING REGULATIONS AND SPECIFICATIONS AS SET OUT BY THE NATIONAL HOME BUILDERS REGISTRATION COUNCIL.
 21. ENGINEER NOT RESPONSIBLE FOR CHECKING OF LEVELS OR SETTING OUT.
- SLAB:**
1. SHUTTER WORK TO REMAIN IN PLACE FOR 21 DAYS (MIN).
 2. NO BRICKWORK ON SLAB OR BEAMS PRIOR TO PROPS BEING REMOVED.
- FOUNDATIONS:**
1. CONCRETE IN FOUNDATION TO BE 25 MPa.
 2. AFTER 28 DAYS - CONCRETE GRADE 25/19.
 3. BACKFILLING BEHIND RETAINING WALLS AND UNDER SURFACE BED TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK TO 93% MOD. ASHTO. (USE GS (P-12) OR SIMILAR).
 4. CONCRETE COVER TO FOUNDATIONS - 50mm.
 5. BRICKFORCE EVERY THIRD COURSE IN FOUNDATION BRICKWORK.
 6. SITE DRAINAGE: SITE TO BE DRAINED AS TO ENSURE THAT WATER CANNOT POND AGAINST OR NEAR THE STRUCTURE. THE SURFACE OF THE GROUND IMMEDIATELY ADJACENT TO THE BUILDING TO FALL 75mm OVER THE FIRST 1.5m. ANY PAVING SHALL BE SIMILARLY SLOPED.
 7. ALL FOUNDATION WALLS AND OTHER LOAD BEARING WALLS TO BE CONSTRUCTED WITH LOAD BEARING BRICKS.
 8. CONTRACTOR TO SUPPLY DCPS IN FOUNDATION TRENCH (4 MIN) TO ENGINEERS APPROVAL PRIOR TO PLACING CONCRETE.
 9. CONTRACTOR RESPONSIBLE OF COMPACTION ON ALL FILL AREAS.
 10. SURFACE BEDS: PROVIDE DCPS TO ENGINEERS FOR RECORD PURPOSES.
 11. FOUNDATION WALLS EXCEEDING 1.0M ABOVE N.G.L. TO BE CONSTRUCTED AS 330MM REINFORCED RETAINING WALLS.

CLIENT

MR. K. Le Riche



Approved By

O. Huistra

Prepared By	Checked By	Reviewed By
OH	OH	OH

Project

PROPOSED NEW
LOW WATER CROSSING
KLAARSTROOM

Description

LAYOUT PLAN AND SECTIONS

Scale	AS SHOWN	Date	FEB 2025
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Project No	Dwg. No	Rev
TO - 950	/ 02	/