

THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF JARDINE CONSULTING ENGINEERS AND MAY NOT BE DISCLOSED IN WHOLE OR PART TO A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF JARDINE CONSULTING ENGINEERS

**NOTES:**

1. THE CONTRACTOR TO KEEP A FULL SET OF DRAWINGS ON SITE
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL SETTING OUT OF BUILDINGS
3. ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE. ALL DISCREPANCIES TO BE REPORTED IMMEDIATELY
4. ONLY FIGURED DIMENSIONS TO BE USED
5. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS OR ANY OTHER RELEVANT DRAWINGS
6. CONSTRUCTION TO BE IN ACCORDANCE WITH ENGINEERS SPECIFICATION, DRAWINGS OR RELEVANT SABS SPECIFICATION

**CONCRETE SPECIFICATION:**

1. ALL CONCRETE WORKS TO COMPLY WITH SABS 1200G, SABS 0100-1 AND SABS 0100-2
2. CONCRETE STRENGTHS AS SPECIFIED ON THE DRAWINGS
3. CONCRETE CUBE RESULTS TO BE SUBMITTED AS SPECIFIED IN SABS 1200G
4. NO CHASING OR CAST-IN ITEMS ALLOWED IN ANY REINFORCED CONCRETE UNLESS WRITTEN APPROVAL IS RECEIVED FROM ENGINEER
5. REINFORCED CONCRETE TO COMPLY WITH 'DEGREE OF ACCURACY II' AS SPECIFIED IN SABS 1200G
6. OFF-SHUTTER CONCRETE TO COMPLY WITH 'DEGREE OF ACCURACY I' AS SPECIFIED IN SABS 1200G
7. CURING OF CONCRETE TO COMPLY WITH SABS 1200G
8. ENGINEER TO APPROVE COVER BLOCKS PRIOR TO COMMENCEMENT OF STEEL FIXING
9. COVER TO REINFORCING TO BE AS FOLLOWS UNLESS OTHERWISE SPECIFIED

**FOUNDATION SPECIFICATION:**

1. ALLOWABLE GROUND BEARING PRESSURE ASSUMED TO BE 100kPa UNLESS OTHERWISE STATED IN GEOTECHNICAL REPORT
2. ALL FOUNDATION TO BE INSPECTED BY ENGINEER PRIOR TO CASTING
3. FOUNDATION LEVELS INDICATED ARE APPROXIMATE. FINAL FOUNDING LEVELS TO BE DETERMINED ON SITE BY ENGINEER
4. THE DIFFERENCE BETWEEN FINAL FOUNDING LEVELS AND THE UNDERSIDE OF FOUNDATIONS INDICATED TO BE MADE UP WITH 10 MPa MASS CONCRETE BLINDING
5. MINIMUM 50mm 10MPa MASS CONCRETE BLINDING LAYER TO ALL REINFORCED FOUNDATIONS
6. ALL EXCAVATIONS TO BE KEPT FREE OF WATER
7. NO FOUNDATIONS MAY BE FOUNDED ON BACKFILL OR SOILS CONTAINING HIGH HUMUS CONTENT UNLESS WRITTEN APPROVAL IS RECEIVED FROM ENGINEER

**BRICKWORK SPECIFICATION:**

1. ALL MASONRY WORK TO COMPLY WITH SABS 0164 AND SABS 0400
2. ALL LOADBEARING MASONRY WALLS TO BE MINIMUM 14 MPa CRUSHING STRENGTH WITH CLASS II MORTAR
3. ALL LOADBEARING WALLS ARE HATCHED
4. REFER TO ARCHITECTS DRAWING FOR GENERAL BRICKWORK LAYOUT AND DIMENSIONS
5. FULL DEPTH V-JOINTS TO PLASTER AT CONCRETE/BRICKWORK JOINTS
6. NON LOADBEARING WALLS TO BE BUILT NO CLOSER THAN 20mm FROM THE SOFFIT OF REINFORCED CONCRETE ELEMENTS
7. 2 LAYER DPC BONDBREAKER TO BE APPLIED BETWEEN TOP OF CONCRETE SLABS AND BRICKWORK
8. LINTOLS OVER OPENINGS TO HAVE 280mm MIN. BEARING EITHER END
9. NO HORIZONTAL CHASING TO BRICKWORK UNLESS APPROVED BY ENGINEER
- 10.1 CAVITY WALL TIES TO BE GALVANIZED MILD STEEL OR SABS APPROVED PLASTIC TIES
- 10.2 CAVITY WALL TIES TO BE SPACED AT 600mm MIN. CENTERS AT EVERY 5TH COURSE
- 11.1 GALVANISED BRICKFORCE EVERY 4TH COURSE, WITH EVERY FOR 4 COURSES OVER OPENINGS
- 11.2 75mm BRICKFORCE TO EACH SKIN OF CAVITY WALLS
- 11.3 150mm BRICKFORCE TO 230mm WALLS
- 11.4 75mm BRICKFORCE TO 115mm WALLS
- 11.5 BRICKFORCE MAY NOT BE IN SAME BEDJON AS WALL TIES

**REINFORCING SPECIFICATION:**

1. ALL REINFORCING TO BE BENT ACCORDING TO SABS 929
2. REINFORCING TO BE FIXED IN ACCORDANCE TO TOLERANCES SPECIFIED IN SABS 1200G
3. NO HEAT BENDING OR CUTTING OF REINFORCING UNLESS INDICATED ON DRAWINGS OR APPROVED BY ENGINEER
4. CONTRACTOR TO CHECK FIXED REINFORCING PRIOR TO INSPECTION BY ENGINEER

**CONCRETE STRENGTHS:**

BLINDINGS	15MPa
MASS STRIP FOOTINGS	15MPa
REINFORCED STRIP FOOTINGS	25MPa
MASS PAD FOOTINGS	15MPa
REINFORCED PAD FOOTINGS	25MPa
MASS SURFACE BEDS	20MPa
REINFORCED SURFACE BEDS	25MPa
REINFORCED COLUMNS	30MPa
REINFORCED WALLS	30MPa
REINFORCED SLABS	25MPa
REINFORCED BEAMS	25MPa

**ABBREVIATIONS:**

RC	REINFORCED CONCRETE
MC	MASS CONCRETE
RM	REINFORCED MASONRY
DS	DOWNSTAND
US	UPSTAND
COL	COLUMN
THK	THICKNESS
B1	LOWEST BOTTOM REINFORCING LAYER
B2	SECOND LOWEST BOTTOM REINFORCING LAYER
T1	HIGHEST TOP REINFORCING LAYER
T2	SECOND HIGHEST TOP REINFORCING LAYER
EW	EACH WAY
ABR	ALTERNATE BAR REVERSED
ALT	ALTERNATE
STG	STAGGERED
FF	EARTH FACE
NF	AIR FACE
TOC	TOP OF CONCRETE
EL	EXISTING LEVEL
NGL	NATURAL GROUND LEVEL
SOP	SETTING OUT POINT
SOL	SETTING OUT LINE
PKT	POCKET

**FOR TENDER**

B	7/10/2025	MJ	FOR TENDER
A	19/08/2025	MJ	FOR TENDER
NO.	DATE	CHECKED	DESCRIPTION

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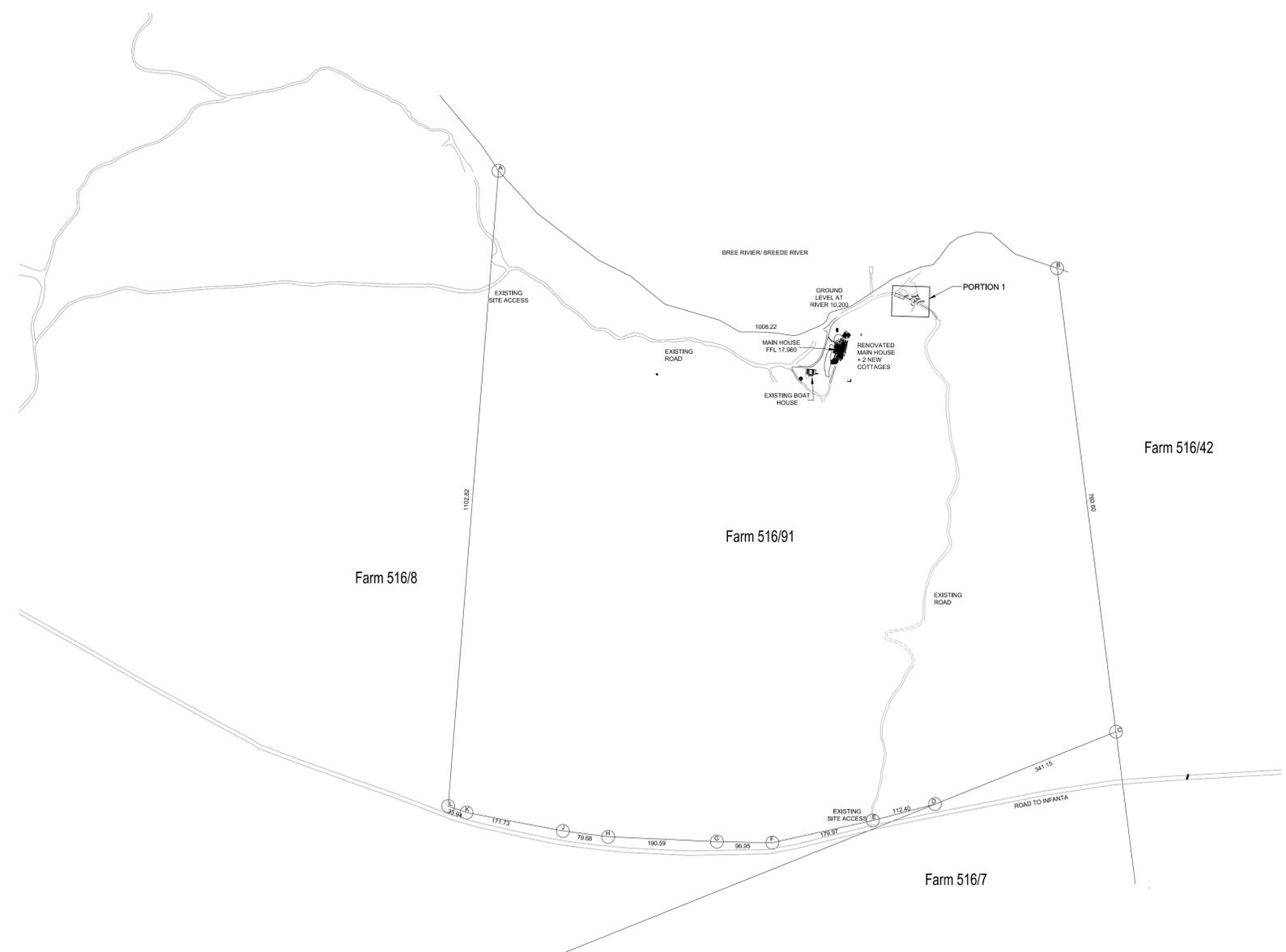
**PROJECT**  
HOUSE MAC KENZIE, ALTERATIONS TO EXISTING DWELLING ON BALLYFAR BREEDE RIVER FARM 516/91

**DRAWING**  
EARTH TRACK WORKS, SECTIONS & DETAILS

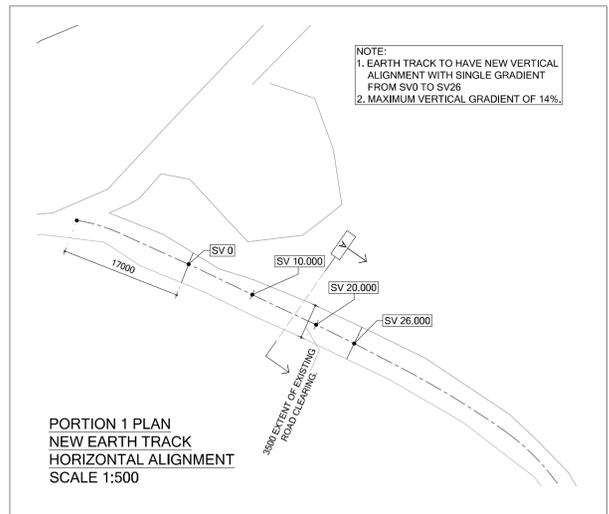
DRAWN	CHECKED	DATE
JDT	MJ	AUGUST 2025

SCALE: AS SHOWN ENGINEERS APPROVAL: Mark Jardine Pr Tech Eng 201270367

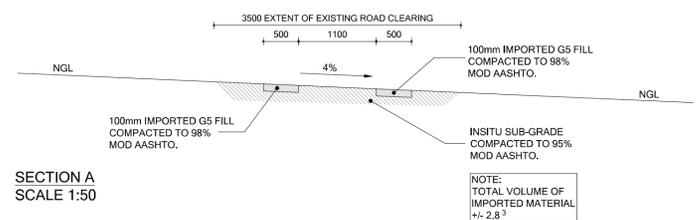
DRAWING NO. 518-100 REV B



**SITEPLAN**  
SCALE 1:5000



**PORTION 1 PLAN**  
NEW EARTH TRACK  
HORIZONTAL ALIGNMENT  
SCALE 1:500



**SECTION A**  
SCALE 1:50

NOTE:  
TOTAL VOLUME OF IMPORTED MATERIAL +/- 2.8<sup>3</sup>