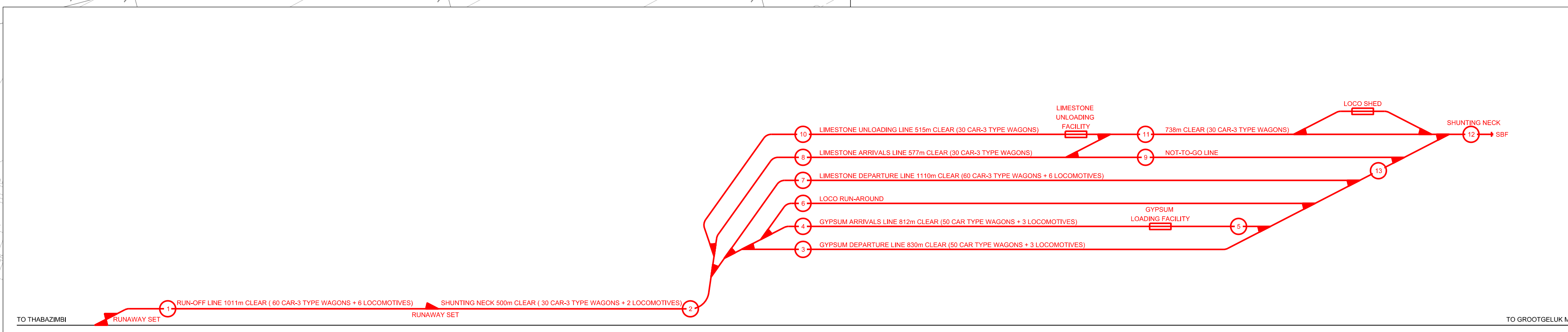


**LEGEND:**

- RAILWAY LINE
- | IBJ INSULATED BLOCK JOINT
- + RAILWAY SIGNAL
- + RAILWAY SIGN BOARD
- + CM CLEARANCE MARKER
- + STOP BLOCK
- POTABLE WATER
- FIRE WATER
- STORMWATER
- SEWER SEPTIC TANK
- + PROPOSED SECURITY FENCE
- + LIGHTING POLES

- 1. GENERAL NOTES**
- 1.1. DO NOT SCALE DRAWING. USE PLAN DIMENSIONS ONLY.
  - 1.2. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSE UNTIL ENDORSED "ISSUED FOR CONSTRUCTION" AND SIGNED BY A DIRECTOR OF R&H RAIL (Pty) Ltd.
- 2. TECHNICAL NOTES**
- 2.1. TRACK STANDARDS SHALL BE THOSE APPLICABLE TO PRIVATE SIDINGS.
  - 2.2. CO-ORDINATE SYSTEM: WGS 84 Lo27°.
  - 2.3. TRACK CENTRES MINIMUM 5.5m.
- 3. TRAIN OPERATION**
- 3.1. LIMESTONE UNLOADING**
- 3.1.1. A FULL 60 WAGON LIMESTONE TRAIN ENTERS THE YARD ALONG LINE 1 AND PROCEEDS VIA LINE 8 TO LINE 11, DETACHING THE BACK 30 WAGONS TO REMAIN ON LINE 8.
  - 3.1.2. THE FORWARD 30 WAGONS ON LINE 11 ARE PUSHED BACK TO ENGAGE WITH THE TIPPLER AND THE LOCO UNCOUPLES TO MOVE VIA LINES 12, 13 AND 6 TO ATTACH TO 60 EMPTY WAGONS ON LINE 7 THAT WERE UNLOADED DURING THE PREVIOUS OPERATION.
  - 3.1.3. ON RECEIVING PERMISSION TO PROCEED, THE TRAIN OF EMPTY WAGONS DEPARTS FROM LINE 7.
  - 3.1.4. THE 30 FULL WAGONS ON LINE 11 ARE UNLOADED, THE EMPTIES PUSHED FORWARD TO LINE 10.
  - 3.1.5. THE SHUNTING LOCOMOTIVE PROCEEDS FROM IT'S SHED TO LINE 8, AND PULLS THE 30 FULL WAGONS THEREON TO LINE 11, AND THEN PUSHES BACK FOR THE WAGONS TO ENGAGE WITH THE INDEXER.
  - 3.1.6. THE SHUNTING LOCOMOTIVE MOVES OVER LINES 12, 13 AND 6 TO LINE 10 AND MOVES 30 EMPTY WAGONS AT A TIME TO FORM A 60 WAGON TRAIN ON LINE 7.
  - 3.1.7. THEREAFTER THE SHUNTING LOCOMOTIVE MOVES BACK TO THE SHED TO BE SECURED.
  - 3.1.8. THE PROCESS IS REPEATED ON ARRIVAL OF THE NEXT FULL TRAIN.
- 3.2. FGD GYPSUM (PROVISIONAL)**
- 3.2.1. A TRAIN OF 50 EMPTY WAGONS IS PULLED ONTO LINE 4, THE LOCOMOTIVE DETACHES AND MOVES OVER LINES 5 AND 6 TO LINE 3 WHERE IT COUPLES TO A RAKE OF 50 LOADED WAGONS LOADED DURING THE PREVIOUS OPERATION.
  - 3.2.2. ONCE THE NECESSARY AIR BRAKE TEST AND WAGON INSPECTION IS CONCLUDED AND AUTHORIZED TO DO SO THE TRAIN DEPARTS THE SIDING.
  - 3.2.3. THE SHUNTING LOCOMOTIVE MOVES FROM THE SHED OVER LINE 13 TO LINE 4 VIA LINE 5 AND SEQUENTIALLY MOVES A MAXIMUM OF 10 WAGONS TO LINE 13, THE WAGONS ARE LOADED AS THEY MOVE UNDER THE LOADING FACILITY.
  - 3.2.4. THE LOADED WAGONS ARE THEN PUSHED TO LINE 3 TO FORM A 50 WAGON SET.



**GENERAL LAYOUT**  
SCALE 1:2000

**DIAGRAMMATIC LAYOUT**

D.D.	REV	DATE	BY	CHKD	BY	REVISION	REFERENCE DRAWING

AUTHORISED FOR ESKOM BY: Eskom **SPF CODE**  
**R&H 0476**

DESIGNED BY: Eskom **5171-100-002-G010**  
 CHECKED BY: Eskom **084/40134**  
 CREATED BY: Eskom **084/40134**  
 SCALE: **SUBSET**

**RAILWAY YARD**  
**CONCEPT LAYOUT 1**  
**5171-100-002-G010**  
**084/40134**

DRAWING CLASSIFICATION: CONTROLLED DISCLOSURE