

[illegible]

- GENERAL NOTES:**
- 1.1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS' AND ENGINEERS' DRAWINGS.
- 1.2 ANY DISCREPANCIES & AMBIGUITIES ON THE ENGINEERS' DRAWINGS TO BE REPORTED TO ENVITECH SOLUTIONS IMMEDIATELY.
- 1.3 LEVELS AND DIMENSIONS TO BE CHECKED BEFORE ANY WORK COMMENCE. DIMENSIONS MUST NOT BE SCALED.

FOUNDATIONS NOTES

- 2.1 ALL FOUNDATIONS TO BE BUILT ON FIRM IN-SITU SOIL  
(NOT ON FILL).  
2.2 THE FOUNDATION DESIGN IS BASED ON A GROUND BEARING  
CAPACITY OF 150 KPa.  
2.3 BACK FILL MATERIAL TO BE APPROVED BY ENGINEER AND TO BE  
COMPACTED IN LAYERS NOT EXCEEDING 150mm TO 95% Mod AASHTO.  
2.4 EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE  
ENGINEER BEFORE CONCRETE IS CAST.

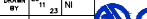
CONCRETE NOTES

- 3.1 ALL CONCRETE WORK TO BE IN ACCORDANCE WITH SABS 1200 G
- 3.2 CONCRETE STRENGTH TO BE AS FOLLOWS UNLESS OTHERWISE INDICATED
- |                             |      |
|-----------------------------|------|
| UNREINFORCED STRIP FOOTINGS | 5MPa |
| REINFORCED STRIP FOOTINGS   | 5MPa |
| RC BASES                    | 5MPa |
| SURFACE BEDS                | 5MPa |
| RC SLABS, BEAMS, STAIRS     | 5MPa |
| RC COLUMNS                  | 5MPa |
| RC WALLS                    | 5MPa |
| GROUND BEAMS                | 5MPa |
- 3.3 CONCRETE FINISHES:
- |                  |             |
|------------------|-------------|
| SURFACE BEDS     | POWER FLOAT |
| SUPERSEDED SLABS | WOOD PLAT   |
| COLUMNS & WALLS  | OFF SHUTTER |
| BEAMS            | OFF SHUTTER |
| SLAB SOFFITS     | OFF SHUTTER |
- 3.4 ALL CONCRETE TO BE MOIST CURED FOR MINIMUM 7 DAYS AFTER FINAL SET OF CONCRETE USING METHOD APPROVED BY THE ENGINEER.

## REINFORCEMENT NOTES

- 4.1 ALL REINFORCING STEEL TO BE CHECKED BY THE ENGINEER BEFORE ANY CONCRETE IS PLACED.
- 4.2 LAP LENGTH TO REINFORCEMENT TO BE MIN. 50x SMALLER BAR DIAMETER. UNLESS OTHERWISE NOTED.  
THE ENGINEER IS TO BE NOTIFIED 24 HOURS BEFORE THE PLACING OF THE CONCRETE.
- 4.3 MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT, UNLESS OTHERWISE INDICATED:
- |                          |      |
|--------------------------|------|
| RC BEAMS                 | 40mm |
| GROUND SLABS             | 40mm |
| RC BASES                 | 40mm |
| RC COLLARS & WALL        | 40mm |
| PILE CAPS & GROUND BEAMS | 50mm |
| STRIP & PAD FOUNDATIONS  | 50mm |
- 4.4 REINFORCING STEEL YIELD STRENGTH:
- |                        |         |
|------------------------|---------|
| HIGH TENSILE Y         | 400 MPa |
| MILD STEEL Y           | 250 MPa |
| WELDED STEEL WIRE MESH | 400 MPa |

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|--------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------|------|---------|------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------|------------|---------|--------------------|--------------------|
| 60YR ADF SCOPÉ LEGEND                                                                                                    |       | KKS                                                | PBS: | 00UEQ01 | D.O. REV DATE                                                                      |                            | INDEX REFERENCE:                                                                      |                                                           | REV BY                                                                                            | CHD BY | AUTH BY    | KKS APP | REFERENCE DWG. No. | REFERENCE DRAWINGS |
| NAME                                                                                                                     | LABEL | ASH DISPOSAL FACILITY                              |      |         | D.O. REGISTERED<br>DRAWING APPROVED BY<br>KKS APP<br>AUTH BY<br>CHD BY<br>DRAWN BY | --<br>11<br>23<br>25<br>20 | --<br>11<br>23<br>25<br>20                                                            | FOR ISSUE BY<br>AUTHORITY<br>DATE<br>DATE<br>DATE<br>DATE | KUSILE POWER STATION<br>ASH DISPOSAL FACILITY<br>ATTENUATION DAM 3<br>INLET CHAMBER REINFORCEMENT |        |            |         |                    |                    |
| NOTES:<br>COORDINATE SYSTEM : L029 WGS-84<br><br>Sign: .....<br>K.P. MATULDVICH<br>Pr. Eng. 20190729<br>Date: 25-02-2024 |       | ESKOM HOLDINGS LTD.<br>REG. NO.<br>20002/200507/06 |      |         | 1:100                                                                              |                            |  |                                                           | 366-513582                                                                                        |        | SHEET<br>1 |         | REV<br>0.1         |                    |