



BLOCK EP - SCIENCE LABORATORY  
DOMESTIC WATER SUPPLY LAYOUT

SCALE 1:75

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS' DRAWINGS.
- DO NOT SCALE FROM THE DRAWING. THE CONTRACTOR MUST CHECK AND CONFIRM ALL DIMENSIONS INCLUDING LEVELS ON SITE WITH THE SERVICES ENGINEERS.
- ANY QUERIES AND/OR DISCREPANCIES MUST BE REFERRED TO THE SERVICES ENGINEER BEFORE MATERIALS ARE ORDERED AND BEFORE EXECUTION ON SITE.
- ALL PORTABLE WATER PIPEWORK ABOVE GROUND TO BE COPPER SANS 460 UNLESS OTHERWISE NOTED. UNDERGROUND PIPES TO BE HDPE.
- DRAINAGE & WATER INSTALLATION TO BE IN ACCORDANCE TO SANS 10252 : 2 AND SANS 10252 : 1.
- ALL DOMESTIC HOT WATER SUPPLY & STORAGE VESSELS PIPES TO BE INSULATED TO SANS 10400 - XA AND SANS 204.
- REFER TO EQUIPMENT DATA SHEETS FOR EQUIPMENT SPECIFICATION.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SCHEMATIC DRAWINGS.
- COLD WATER PIPES UNDERGROUND TO BE IN HDPE CLASS 6.
- COLD WATER PIPES ABOVE GROUND TO BE IN COPPER TO SANS 460.
- DRAWING TO BE READ IN CONJUNCTION TO THE LATEST VERSION OF STANDARD QUALITY SPECIFICATION FOR WET SERVICES.

WATER LEGEND

- ISOLATING VALVE
- COMBINED PRESSURE/TEMP RELIEF VALVE
- PRESSURE REDUCING VALVE
- CWS POTABLE WATER SUPPLY
- FWS FLUSH WATER SUPPLY
- R RISER (FROM BELOW / TO ABOVE)
- D DROPPER (FROM ABOVE / TO BELOW)

CLIENT

**DEVELOPMENT BANK OF SOUTHERN AFRICA**

**DBSA**

Development Bank of Southern Africa

1258 LEVER ROAD  
HEADWAY HILL  
MIDRAND  
1685

www.dbsa.org

B	15/11/2021	ISSUED FOR TENDER
A	05/10/2021	ISSUED FOR REVIEW
REV NO.	DATE	DESCRIPTION

REVISIONS

PROJECT CONSULTANT

**PROJECTNEERS**

PROJECTNEERS CONSULTING ENGINEERS  
& PROJECT MANAGERS

BUILDING 2, 1ST FLOOR, THORNHILL OFFICE PARK  
94 BEKKER ROAD, MIDRAND, 1685

+27 11 043 1307  
technical@projectneers.com  
www.projectneers.com

DRAWING CHECKS

DESIGNED BY	DESIGN CHECKED BY	DRAWN BY	DRAWING CHECKED BY
S. M.	B. TSHUMA	I.S.	S. ZUNGU

APPROVAL CONSULTANT

S. MUTARINGE	DATE	PROF. REG. NO.	THE SIGNATURE OF THE PROJECT ENGINEER CONSULTING MIDRAND OFFICE
	2021-09-03	20130388	BEARS THE ORIGINAL SIGNATURE OF APPROVAL

PROJECT NAME

PROPOSED ADDITIONAL SCHOOL INFRASTRUCTURE,  
RENOVATIONS AND REFURBISHMENTS AT GOA  
KGANYA PRIMARY SCHOOL ON BEHALF OF THE  
NORTH WEST DEPARTMENT OF EDUCATION (NW DoE)

PROJECT SITE

GOA KGANYA PRIMARY SCHOOL, PHASHA VILLAGE,  
KLIPGAT, MADIBENG, NORTH WEST, SOUTH AFRICA

SHEET TITLE

SCIENCE LABORATORY - BLOCK EP  
DOMESTIC WATER SUPPLY LAYOUT

DISCIPLINE

MECHANICAL

CONTRACT NUMBER

RFP268-2019

FILE NUMBER

ZA2020\_2003

SCALE

1:50

DRAWING NUMBER

REV	DATE	BY	PROJ. NO.	CLIENT	DES.	REV.	SHEET NO.	SHEET SIZE
PJN_ZA_2020_2003_DB	2020	2003	DBSA_GPS_MECH_	5103_B	A1			

**ISSUED FOR  
TENDER**