PUMP NOTES

CONTROL PANEL REQUIREMENTS

- FIRE PANEL - RED ENCLOSURE.
- POTABLE WATER PANEL - ORANGE ENCLOSURE.
- JOCKEY PUMP - DOL.
- FIRE PUMP - VSD.
- POTABLE WATER PUMPS (ALTERNATING DUTY & STANDBY) WITH CASCADING VSD.
- AMMETER & VOLTMETER FOR EACH PUMP.
- LOW LEVEL CUT-OFF FOR ALL PUMPS.
- INDICATION LAMPS FOR CONTROLS, OPERATIONS & MAINTENANCE FOR ALL PUMPS.
- SELECTOR SWITCHES FOR CONTROLS, OPERATION & MAINTENANCE FOR ALL PUMPS.
- COMPLETE WITH PRESSURE SWITCHES, SOLENOID VALVE FOR LEVEL CONTROL, CABLES, GLANDS & TRUNKING FROM PANELS TO PUMPS.

FOR PROCUREMENT PURPOSES:

- SUPPLIER TO ALLOW FOR ALL MATERIALS, TRANSPORT AND INSTALLATION.
- PIPE MATERIALS SHALL BE AS INDICATED (NOMINAL BORE) ON LAYOUT.

INSTALLATION WORKS

- THE INSTALLATION WORK SHALL BE DONE BY, OR UNDER THE ADEQUATE CONTROL OF A TRAINED PLUMBER AS DEFINED BY SANS 10400-A, A-18.
- THE INSTALLATION WORK MUST BE CONFIRMED BY THE PLUMBER WITH THE APPOINTED MECHANICAL ENGINEER ON SITE, PRIOR TO COMMENCEMENT.
- CONFLICTS, ERRORS OR DISCREPANCIES FOUND IN THIS LAYOUT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION IMMEDIATELY.
- CERTIFICATE OF COMPLIANCE TO BE ISSUED PRIOR TO FINAL SIGN OFF BY ENGINEER.

DETAIL A - FIRE WATER PUMP LAYOUT

DETAIL B - POTABLE WATER PUMP LAYOUT

ISSUED FOR TENDER

CLIENT

KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

IMPLEMENTING AGENT

DBSA
DEVELOPMENT BANK OF SOUTHERN AFRICA

PROJECT MANAGER:

MPAMOT (Pty) Ltd
2nd Floor, South Wing, 147 Bram Fischer Drive
PO Box 3923, Randburg, 2125, South Africa
t +27 11 781 9710 f +27 11 781 9711
www.mpamot.co.za
Reg No: 1997/009813/07
CESA

MECHANICAL & FIRE ENGINEERING

Thabile Engineering
THABILE ENGINEERING
Unit L2, Pinewood Office Park
33 Riley Road, Woodmead, 2157
t +27 (0)11 234 1418
www.thabileeng.co.za

Project

PROPOSED NEW MARITIME SCHOOL OF EXCELLENCE

Drawing Title

PUMP AND TANK LAYOUT

Date: 10/11/2021	Designed by	S.R.B
	Drawn by	R.B
	Checked by	S.R.B
Scale NTS	Drawing No. MSE-PL-01	Rev. 01