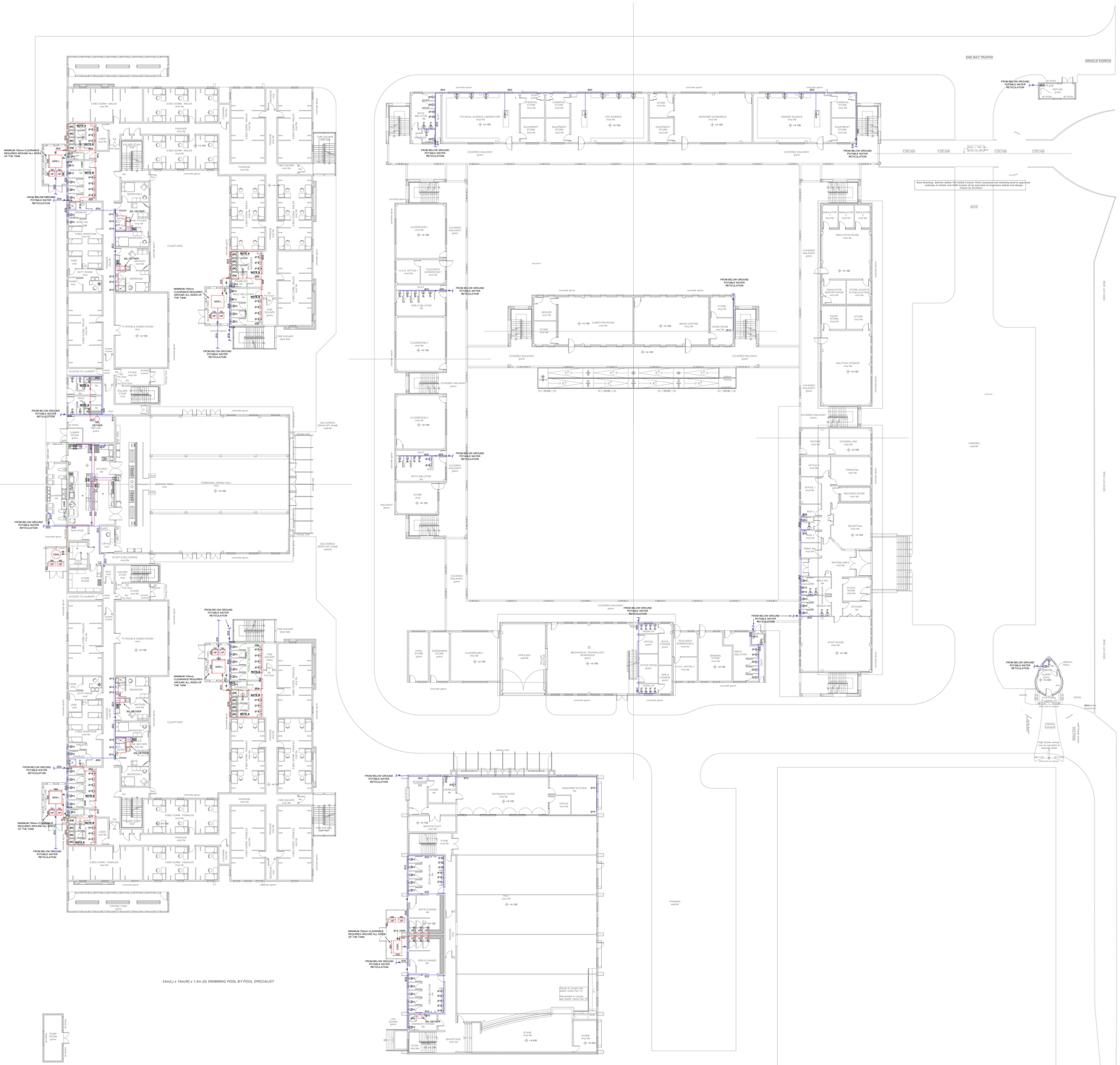

LEGEND

	COLD WATER SUPPLY (CWS)
	HOT WATER SUPPLY (HWS)
	HOT WATER RETURN (HWR)
	PUMP
	TWIN BOOSTER PUMP
	SHUT OFF VALVE
PV	PRESSURE RELIEF VALVE
HP/G	HEAT PUMP / GEYSER
	NON RETURN VALVE
M	METER
	RISER (HOT / COLD)
	DROPPER (HOT / COLD)

WATER RETICULATION NOTES

POTABLE & HOT WATER (ABOVE GROUND)

MATERIALS

1. MATERIALS, COMPONENTS, FITTINGS AND FIXTURES SHALL BE SO SELECTED THAT THEY ARE SUITABLE TO WITHSTAND, WITHOUT DAMAGE OR DETERIORATION, SUSTAINED TEMPERATURES OF UP TO 60°C AND OCCASIONALLY UP TO 100°C, AND SHALL COMPLY WITH SANS 10252.
2. PIPE SIZES TO COMPLY WITH SANS 10252.
3. ALL ABOVE GROUND PIPES TO BE Cu CLASS 2.
4. THE TYPE AND THICKNESS OF INSULATION MATERIAL SHALL BE SUITABLE FOR THE EXPECTED CONDITIONS OF USE AS WELL AS IN ACCORDANCE WITH THE RELEVANT NATIONAL LEGISLATION AND SANS 204.

INSTALLATION WORKS

1. THE INSTALLATION WORK SHALL BE DONE BY, OR UNDER THE ADEQUATE CONTROL OF A TRAINED PLUMBER AS DEFINED BY SANS 10400-A, A-18.
2. THE INSTALLATION WORK MUST BE CONFIRMED BY THE PLUMBER WITH THE APPOINTED MECHANICAL ENGINEER ON SITE, PRIOR TO COMMENCEMENT.
3. CONFLICTS, ERRORS OR DISCREPANCIES FOUND IN THIS LAYOUT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION IMMEDIATELY.
4. APPROPRIATE PROTECTIVE MEASURES MUST BE ADHERED TO FOR PIPING UNDER LOAD BEARING SURFACES AS PER STRUCTURAL / CIVIL ENGINEER'S REQUIREMENTS.
5. ALL CORING ARE SUBJECT TO APPROVAL BY STRUCTURAL ENGINEER
6. CERTIFICATE OF COMPLIANCE TO BE ISSUED PRIOR TO FINAL SIGN OFF BY ENGINEER.
7. ALL PIPE SIZES ARE OUTSIDE DIAMETER (OD).

GENERAL NOTES

1. THESE DRAWINGS ARE FOR SUBMISSION PURPOSES AND IS SUBJECT TO THE REGULATIONS OF THE LOCAL AUTHORITY BYLAWS AND APPROVAL FROM THE LOCAL AUTHORITY.
2. ALL POTABLE AND HOT WATER INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MUNICIPAL BY-LAWS.
3. ALL DIAMETERS ARE IN MM UNLESS OTHERWISE SHOWN.

NOTE A:

Warm water (40°C) to controlled shower dispensers (push-button) - in communal bathrooms.
Max 2.5L per dispense.

NOTE B:

Warm water (40°C) to controlled hand wash basin dispensers (push-button) - in communal bathrooms.
Max 1.0L per dispense.

ISSUED FOR TENDER

CLIENT

KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

IMPLEMENTING AGENT

DBSA
DEVELOPMENT BANK OF SOUTHERN AFRICA

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Project

PROPOSED NEW MARITIME SCHOOL OF EXCELLENCE

Drawing Title

POTABLE & HOT WATER INSTALLATION LAYOUT (ABOVE GROUND)

GROUND STOREY

Date: 10.11.2021	Designed by	S.R.B
	Drawn by	K.B
	Checked by	S.R.B
Scale 1:200	Drawing No. MSE-PW-AG-GF-02	Rev. 02