CONSTRUCTION NOTES:

STRUCTURAL DESIGN:
1. ALL STRUCTURAL DESIGN TO COMPLY WITH SANS 10400 PART B.
2. ALL MASONRY TO COMPLY WITH SANS 0164.
3. STRUCTURAL STEEL TO COMPLY WITH SANS 0162.
4. ALL TIMBER BEAMS AND ROOF TRUSSES TO COMPLY WITH SANS 0163.

FOUNDATIONS:
1. ALL FOUNDATIONS TO COMPLY WITH SANS 10400 PART H AND SANS 0161.
2. ALL FOUNDATIONS TO ENGINEERS SPECIFICATION.
3. TOP OF CONCRETE FOUNDATION TO BE MINIMUM 300mm BELOW N.G.L.
4. FINISHED FLOOR LEVELS TO BE A MINIMUM OF 150mm ABOVE N.G.L. UNLESS OTHERWISE SPECIFIED.
5. ALL SAMPLES TO BE APPROVED BY ENGINEER/ PRINCIPAL AGENT

WALLS:
1. ALL WALLS TO COMPLY WITH SANS 10400 PART K.
2. EXTERNAL WALLS TO COMPLY WITH SANS 10400 PART XA.
3. BRICKFORCE IN SINGLE & DOUBLE WALLS EVERY 4TH COURSE, UNLESS OTHERWISE SPECIFIED BY ENGINEER.

WATERPROOFING:
1. ALL WATERPROOFING REQUIREMENTS TO COMPLY WITH SANS 10400 PARTS L, K AND J.
2. DPC'S UNDER ALL WALLS TO BE 150MM ABOVE N.G.L.
3. VERTICAL DPC'S TO ALL CHANGES IN FLOOR LEVEL.
4. SURFACE BEDS TO BE ON APPROVED WATERPROOFING FORMING A CONTINUOUS MEMBRANE WITH THE DPC UNDER WALLS.
5. WEEPHOLES (25PACE TO ALL PAVERTS.
6. 375MICRON DPC UNDER ALL INSIDE AND OUTSIDE WALLS.
7. 250 MICRON DPM UNDER ALL CONCRETE SURFACE BEDS.
8. APPROVED WATERPROOFING TO BASEMENT WALLS TO SPECIALIST DETAIL WITH 10 YEAR GUARANTEE.

CEILINGS, SLABS & SURFACE BEDS:
1. ALL FLOORS AND SURFACE BEDS TO COMPLY WITH SANS 10400 PART J.
2. CEILINGS TO COMPLY WITH SANS 10400 PART L.
3. SUSPENDED PLASTERBOARD CEILINGS AND RAKED CEILINGS, SMOOTH PLASTERED TO BE INSTALLED UNDER ROOF STRUCTURES.
4. REINFORCED CONC. SURFACE BED TO ENG. DESIGN & SPECIFICATION.
5. EXPANSION JOINTS TO ENG. DESIGN & SPECIFICATION.
6. TILE GROUT JOINTS TO LINE UP WITH EXPANSION JOINTS.
7. WHERE UNDERFLOOR HEATING SYSTEM IS TO BE INSTALLED, FLOORS TO COMPLY WITH SANS 10400 PART XA.

ROOF:
1. ROOF ASSEMBLY, ROOF COVERING, FASCIAS AND MATERIALS TO COMPLY WITH SANS 10400 PART L AND SANS 10400 XA.
2. ALL CHIMNEYS AND CHIMNEY FLUES TO COMPLY WITH SANS 10400 PART F.
3. ALL STRUCTURAL TIMBER DESIGN TO COMPLY WITH STRUCTURAL ENGINEERS DESIGN & SPECIFICATION.
4. PURLIN CENTERS AND TIMBER SIZES TO BE SPECIFIED BY SPECIALIST AND TO COMPLY WITH PART J OF SANS 0400.
5. ALL FINISHES TO HAVE A FLAMING & SPREAD RATING TO COMPLY SANS 10400 PART L.
6. FLAT ROOF AREAS - CONCRETE SCREED TO ENGINEERS DESIGN AND SPECIFICATION.
7. WATERPROOFING BY SPECIALISTS, TO COMPLY WITH SANS 10400 PART L.
8. SKYLIGHTS BY SPECIALISTS, TO COMPLY WITH SANS 10400 PART XA.

VENTILATION & GLAZING:
1. ALL DOORS AND WINDOWS TO COMPLY WITH SANS 10400 PART O.
2. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400.
3. ALL PENETRATION TO COMPLY WITH PART XA OF SANS 10400.
4. SAFETY GLASS IN ALL DOORS AND WINDOWS WITH GLASS LOWER THAN 800mm ABOVE F.F.L. AND SURFACES AREAS LARGER THAN 1m² SAFETY GLAZED TO COMPLY WITH SANS 10400 PART N.

DRAINAGE:
1. ALL DRAINAGE TO COMPLY WITH SANS 10400 PART P.
2. STORMWATER DISPOSAL TO COMPLY WITH SANS 10400 PART R.
3. HOT WATER SUPPLY TO COMPLY WITH SANS 10400 PART XA.
4. ALL PLUMBING WORK TO BE CARRIED OUT BY LICENSED PLUMBERS & PLUMBERS.
5. DRAINS UNDER BUILDINGS TO BE STRAIGHT RUNS, ENCASED IN 100mm CONCRETE ALL AROUND, WITH 675 EACH END.
6. 225 TO ALL BENDS & JUNCTIONS TO BE EASILY ACCESSIBLE.
7. 225 TO HAVE CLEAR U HARRED GROUND COVERS.
8. RODDING EYES TO BE PROVIDED WHERE NECESSARY.
9. ALL 225L PIPES TO BE 110mm Ø UPVC DRAINS AND 1.5 MINIMUM FALL OF 1:40.
10. TOP OF MAN TOWER AT LEAST 300mm BELOW INVERT.
11. ALL WASTE PIPES TO BE MINIMUM 40mm Ø INTERNAL.
12. ALL WASTE FITTINGS TO HAVE DEEP TYPE SEALED TRAPS AND TO BE FULLY ACCESSIBLE FOR REPAIRS & CLEANING.
13. 1 MANHOLE TO BE PROVIDED WITHIN 100mm OF STAND BOUNDARY.
14. SOIL PIPES HAVING VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
15. EXTENTS TO BE DULY DEFINED, POSITIONED TO ARCHITECTS SPECIFICATIONS AND TO BE INSTALLED BY SPECIALIST.

WATER FEATURES AND SWIMMING POOL:
1. WATER FEATURES AND SWIMMING POOL TO COMPLY WITH SANS 10400 PART O.
2. SWIMMING POOL COVER TO COMPLY WITH SANS 1390.
3. WATER FEATURES AND SWIMMING POOL MAY COMPLY WITH SANS 10106 IN ADDITION TO SANS 10400 PART O.
4. POOL TO BE BUILT ON GROUND STABILISED TO CORRECT COMPACTION.
5. ALL WATERPROOFING TO BE DONE BY SPECIALISTS.

FIRE:
1. BUILDING TO COMPLY WITH FIRE REGULATIONS AS STIPULATED IN SANS 10400 PART T.

GENERAL NOTES:
1. ALL WATER TANK SUPPLIERS TO BE ACCREDITED ISO ACCREDITED FRO THE DESIGN, SUPPLY AND INSTALLATION OF PRESTANKS. TO SANS 10329:2020
2. CONTRACTORS TO ENSURE COMPLIANCE TO ENGINEER'S SPECIFICATION IN LINE WITH SCHEDULE OF QUALITY CONTROL REQUIREMENTS
3. REPORT ANY OMISSIONS, DISCREPANCIES OR ERRORS IMMEDIATELY TO THE ENGINEER
4. DO NOT SCALE DIMENSIONS FROM THIS DRAWING. UNLESS OTHERWISE STATED.
5. SHOULD THE CONTRACTOR PROCEED WITHOUT THE ABOVE APPROVAL, HE DOES SO ENTIRELY AT HIS OWN RISK.
6. ALL STRUCTURAL WORK TO BE CHECKED BY AN ENGINEER.
7. SOIL CONDITIONS TO BE APPROVED BY RELEVANT ENGINEER.
8. CONTRACTOR SHALL BE DEEMED TO HAVE INSPECTED SITE FOR PRICING PURPOSES.

REVISION SCHEDULE

REV	REVISION HISTORY	DATE
00	INFORMATION	22/01/2025

PROJECT NAME:
THE SUPPLY AND INSTALLATION OF BULK WATER STORAGE TANKS(HEIDELBURG CAMPUS)
(37 Voortrekker Street Vereeniging)

CLIENT: SEDIBENG TVET COLLEGE

DRAWING TITLE:
HEIDELBURG CAMPUS WATER RETICULATION LAYOUT.
SCALE: 1 : 100

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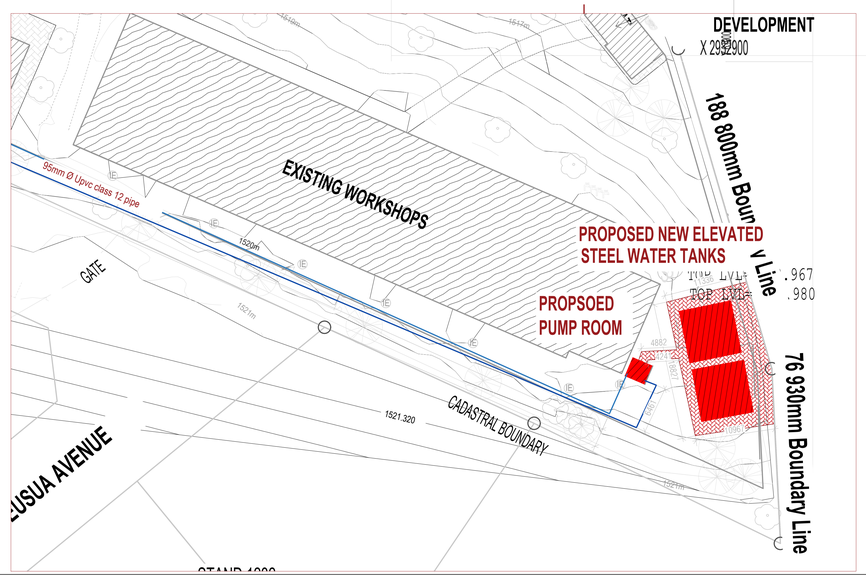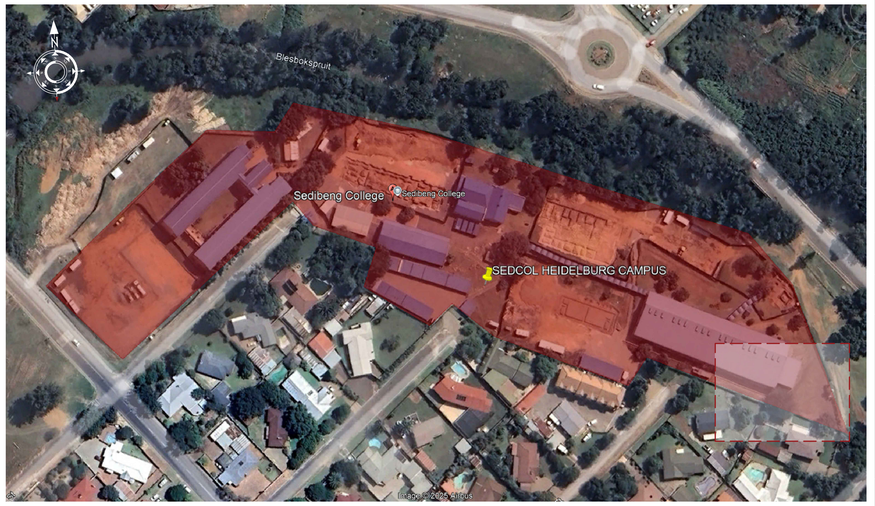
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