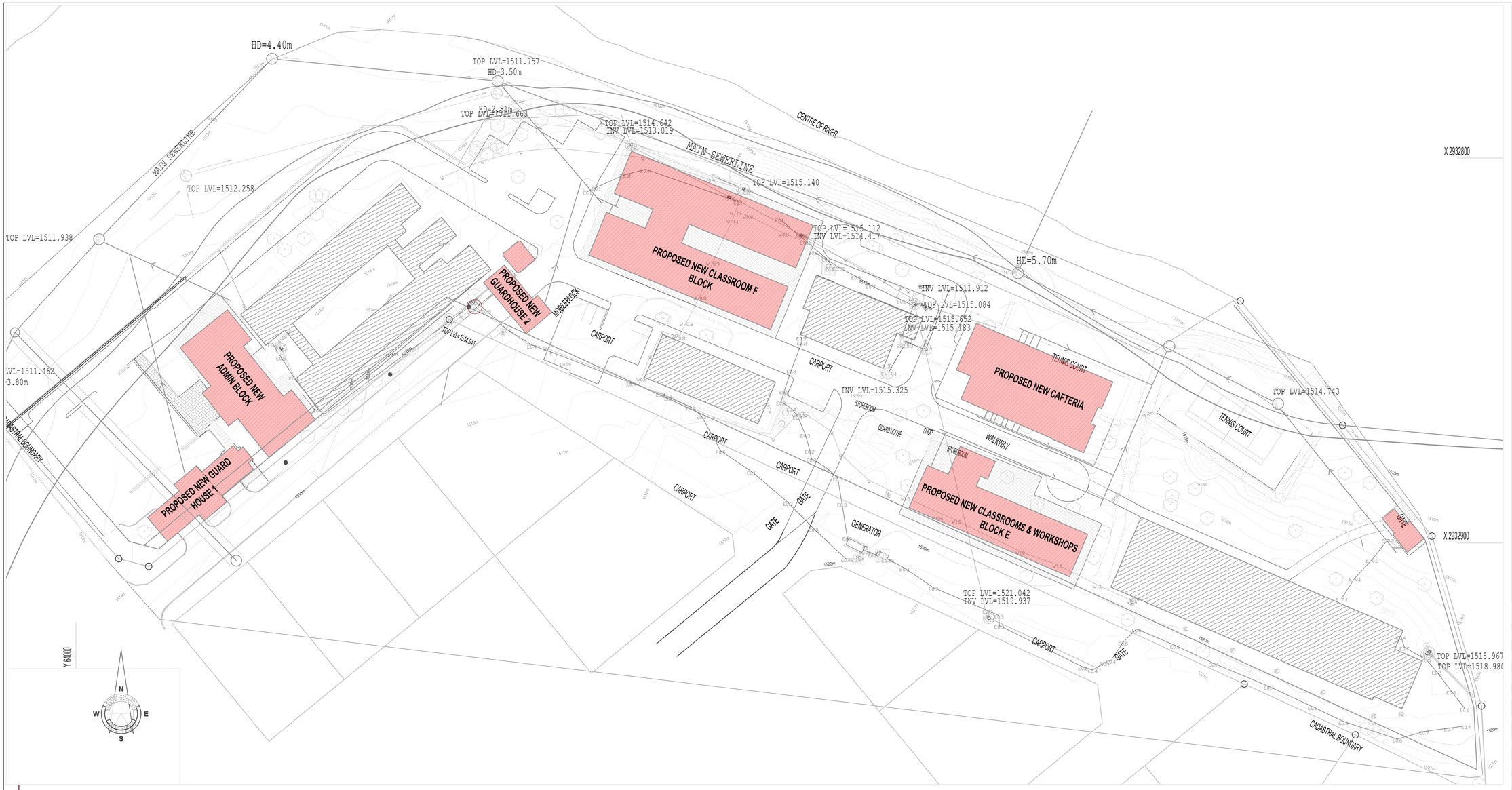
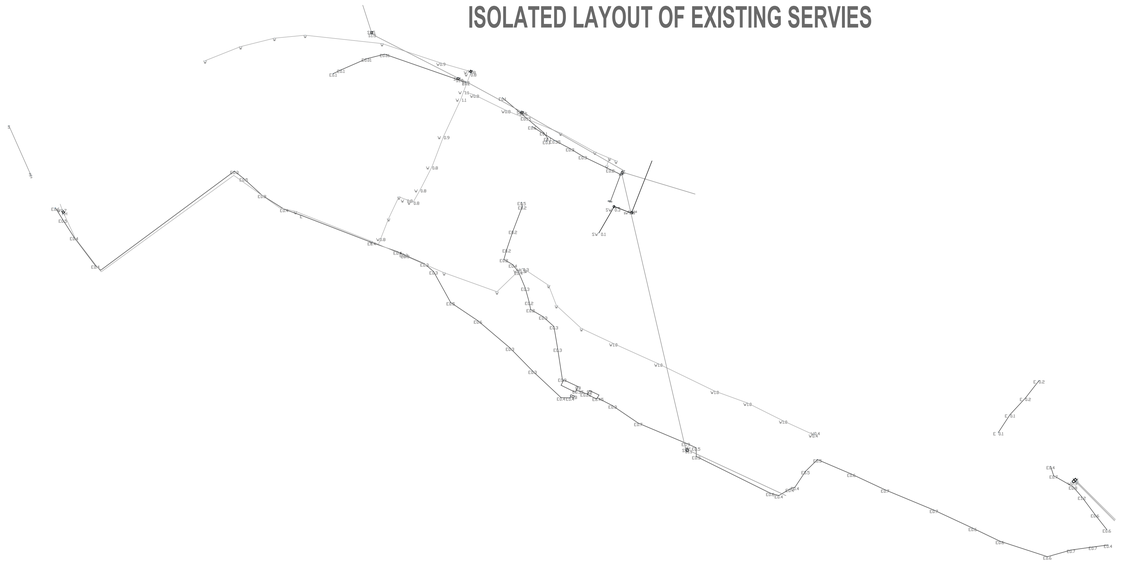


ISOLATED LAYOUT OF EXISTING SERVIES



WGS84 L029

Legend

- ELECTRIC CABLES
- WATER
- SEWER
- MANHOLE
- ELECTRIC BOX
- STORMWATER

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 FINILL.
4. FINISHED FLOOR LEVELS TO BE A MINIMUM OF 150mm ABOVE FILL, 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 3A.
3. BRICKWORK IN SINGLE & DOUBLE WALLS EVERY 4TH COURSE, UNLESS OTHERWISE SPECIFIED BY ENGINEER.

WATERPROOFING:
1. ALL WATERPROOFING REQUIREMENTS TO COMPLY WITH SANS 10400 PART L & MAD L.
2. DPC'S UNDER ALL WALLS TO BE 150MM ABOVE FILL.
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. WATERPROOFS STRIPS TO ALL PARAPETS.
6. STAINLESS DPC UNDER ALL INSIDE AND OUTSIDE WALLS.
7. 250 MICRON DPM UNDER ALL CONCRETE SURFACE BEDS.
8. APPROVED WATERPROOFING TO ABUTMENT WALLS TO SPECIALIST DETAIL WITH 15 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 HARD 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 MAT.& P WITH EXPANSION JOINTS.
7. WHERE UNDERFLOOR HEATING SYSTEM IS TO BE INSTALLED, FLOORS TO COMPLY WITH SANS 10400 PART 3A.

ROOF:
1. ROOF ASSEMBLY, ROOF COVERING, FASCIAS AND BARGES TO COMPLY WITH SANS 10400 PART L AND SANS 10400 3A.
2. ALL GUTTERS AND DOWNPIPES TO COMPLY WITH SANS 10400 PART L.
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 L OF SANS 10400.
5. ALL RAINWATER TO HAVE FLAMMABLE LITERATURE & WARNING TO COMPLY SANS 10400 PART L.
6. FLAT ROOF AREAS - CONCRETE BEARING TO ENGINEERS DESIGN AND SPECIFICATION.
7. WATERPROOFING BY SPECIALISTS, TO COMPLY WITH SANS 10400 PART L.
8. DPC'S BY SPECIALISTS, TO COMPLY WITH SANS 10400 PART 3A.

VENTILATION & GLAZING:
1. ALL DOORS AND WINDOWS TO COMPLY WITH SANS 10400 PART D.
2. ALL GLAZING TO COMPLY WITH PART N OF SANS 10400.
3. ALL FENESTRATION TO COMPLY WITH PART M OF SANS 10400.
4. SAFETY GLASS IN ALL DOORS AND WINDOWS WITH PLANES LOWER THAN 800mm ABOVE F.F.L. AND SURFACE AREAS LARGER THAN 1m². SAFETY GLASS 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 SKILLED WORK & PLUMBERS.
5. DRAINS UNDER BUILDINGS TO BE STRAIGHT RUNS, ENCASED IN 150mm CONCRETE ALL AROUND, WITH 15 AT 5 EACH END.
6. 135 TO ALL BENDS & JUNCTIONS TO BE EASILY ACCESSIBLE.
7. STEPS WHERE EQUIRE WARRED GROUND COVERS.
8. REDDING PIECES TO BE PROVIDED WHERE NECESSARY.
9. ALL SOIL PIPES TO BE 110mm Ø UPVC DRAINS AND TO MINIMUM FALL OF 1:40.
10. TOP OF MANHOLE TO BE 40 (100)" 300mm BELOW FINILL.
11. ALL WASTE PIPES TO BE MINIMUM 40mm Ø INTERNAL.
12. ALL WASTE FITTINGS TO HAVE DEEP TYPE BEALED TRAPS AND TO BE FULLY ACCESSIBLE FOR REPAIRS & CLEANING.
13. A MANHOLE TO BE PROVIDED WITHIN 120mm OF EVERY BUILDING.
14. SOIL PIPES HAVING VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI DYPHONED.
15. GEYSERS TO BE SOLAR GEYSERS, 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 D.
2. SWIMMING POOL CODE TO COMPLY WITH SANS 1292.
3. WATER FEATURES AND SWIMMING POOL MAY COMPLY WITH SANS 10134 IN ADDITION TO SANS 10400 PART D.
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

SEDIBENG TVET COLLEGE
"GROW WITH THE CLOUD"

DRAWING TITLE:
HEIDELBURG CAMPUS EXISTING SERVICES LAYOUT
SCALE: 1 : 100

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DRAWN BY:	MT
CHECKED BY:	MT
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FIRST ISSUE:	22/01/2025
STATUS:	STAGE 4: TENDER/DOCUMENTATION

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REVISION: 00

ISSUED FOR TENDER

SRSQS Quantity Surveyors (Pty) Ltd.

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