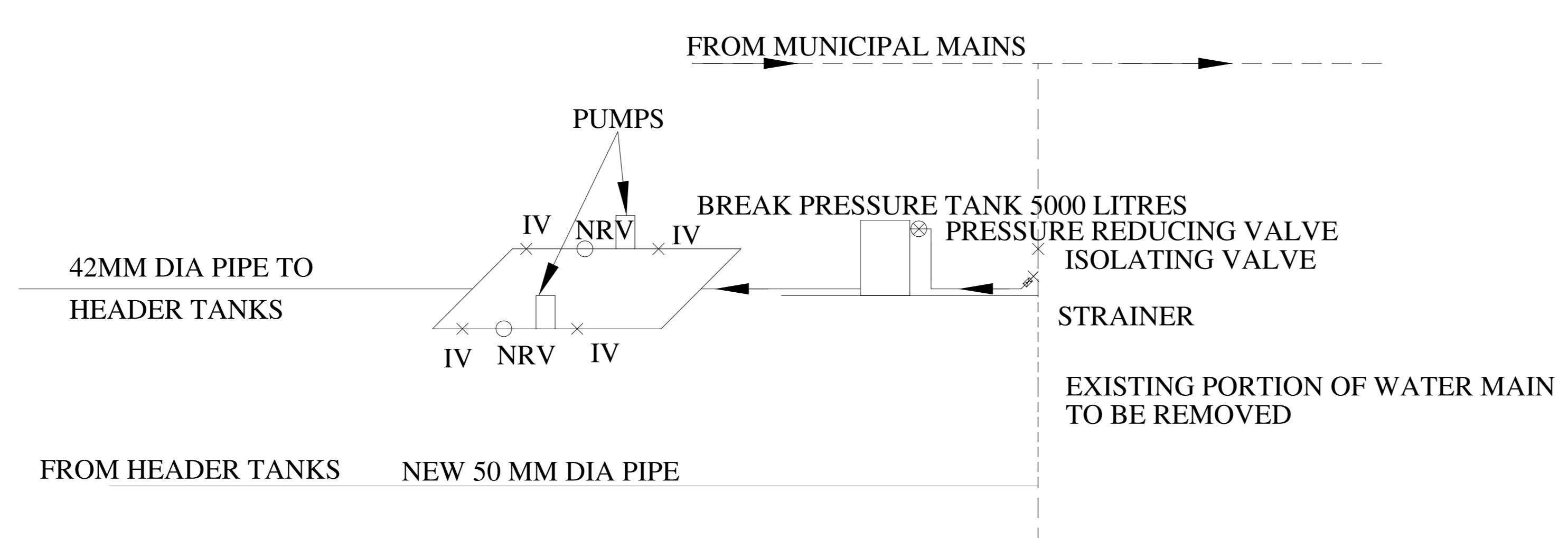
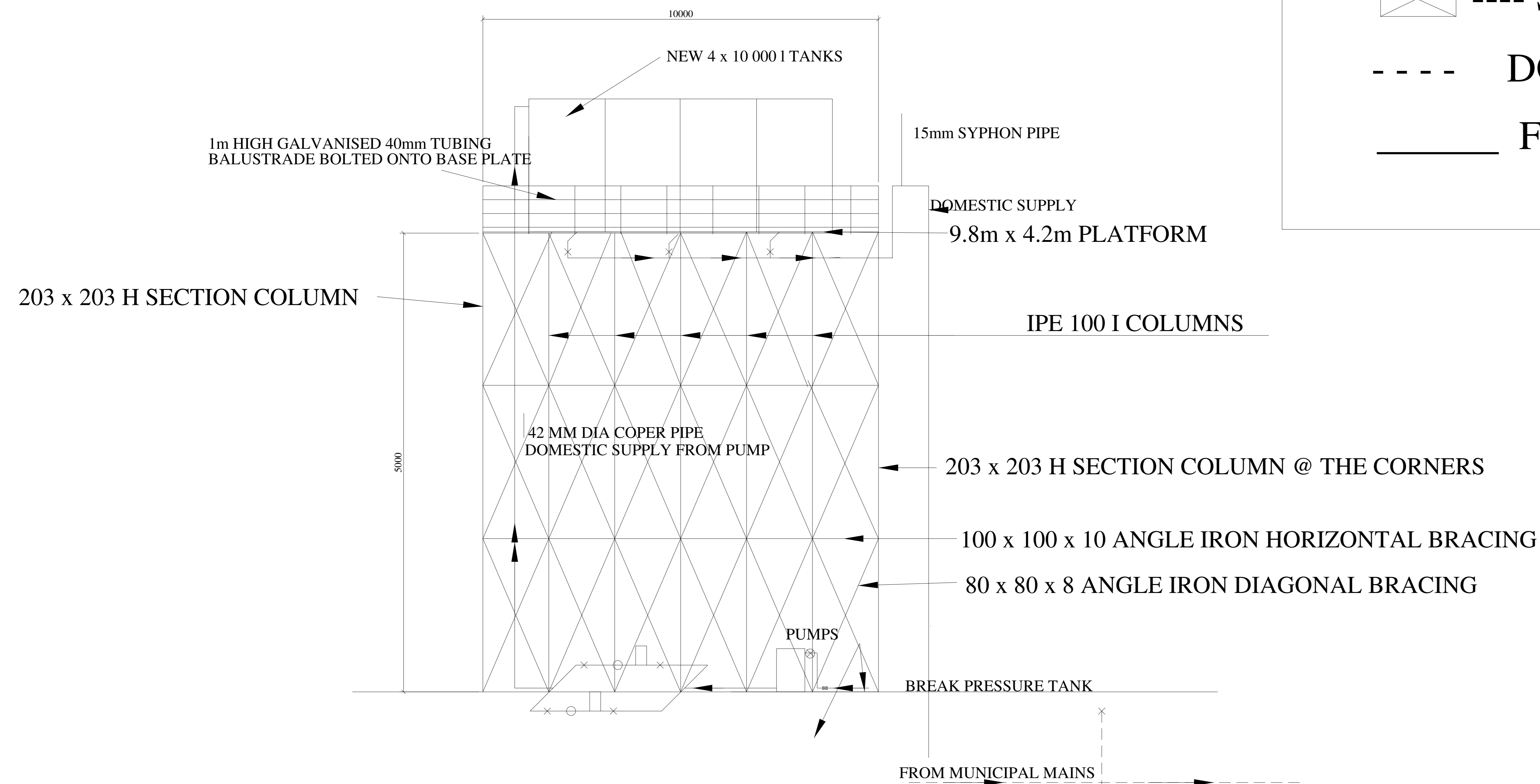


NOTES

- 1 ALL LEVELS AND DIMENSIONS TO BE CHECKED PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES ARE TO BE QUERIED WITH THE ENGINEER
- 2 ALL WORKMANSHIP TO BE IN ACCORDANCE WITH SANS 1200 AND THE RELEVANT PROJECT SPECIFICATION AS INCLUDED IN THE CONTRACT DOCUMENT.
- 3 ALL EXISTING SERVICES TO BE LOCATED AND IDENTIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- 4 ALL BANK GRADES ARE INDICATED.
- 5 BENCHING IS REQUIRED FOR FILL ON GROUNDS STEEPER THAN 1:6.
- 6 COMPACTION
 - A. GROUND SURFACE BELOW PRISM TO BE COMPACTED TO A MINIMUM OF 93% MOD. AASHTO AT OMC.
 - B. FILL TO BE PLACED IN MAXIMUM 250mm LAYERS AND COMPACTED TO MINIMUM 93% MOD. AASHTO.
 - C. BOULDERS AND LARGE ROCK FRAGMENTS NOT TO BE PLACED WITHIN THE FILL AREAS OF THE PROPOSED BUILDING.
 - D. SURPLUS MATERIAL TO BE SPOILED OFF SITE.
- 7 FOR TYPICAL DETAILS REFER TO ETHEKWINI METRO STANDARDS.
- 8 BEDDING TO BE CLASS 'B' OR OTHERWISE INDICATED.
- 9 FOR STORMWATER STANDARD DETAILS REFER TO ETHEKWINI STANDARDS DRAWING Nos 38571,38572 AND 38575.
- 10 " Z " DENOTES BULK EARTHWORKS LEVEL.
- 11 DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTS LAYOUT.
- 12 BANK SLOPES , CUT 1:1,5 AND FILL 1:2

LEGEND

- X ----- BALL - O- STOPS
- O ----- NON RETURN VALVE
- ⊗ ----- PRESSURE REDUCING VALVE
- ⊠ ----- STRAINER
- - - - - DOMESTIC SUPPLY
- _____ FIRE SUPPLY



SCHEMATIC LAYOUT AT BREAK PRESSURE TANKS AND PUMPS

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
2. APPLICABLE STANDARDS
 - A) DESIGN: SABS 0160 - LOADING SABS PART 2 CONCRETE
 - B) CONSTRUCTION: NATIONAL BUILDING REGULATIONS AS AMENDED.
3. ALL EXCAVATIONS AND REINFORCEMENT TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO CONCRETE CASTING.
4. CONCRETE GRADES:
 - A) BLINDING UNDER BASES- 15MPa AT 28 DAYS.
 - B) FOOTINGS- 30MPa AT 28 DAYS
 - C) SLABS AND STAIRCASES- 30MPa AT 28 DAYS
 - D) EAVES BEAMS- 25MPa AT 28 DAYS
- 5) COVER TO REINFORCEMENT:
 - A) FOOTING - 50MM
 - B) COLUMNS - 25MM
 - C) SLABS - 15MM TOP AND 20 MM BOTTOM
 - D) BEAMS AND STAIRCASES - 20MM
- 6) ALL CONCRETE TO BE CURED FOR 6 DAYS
 - A) TOPS OF SLABS- WET CURING (ALTERNATIVE- USE CURING COMPOUND)
 - B) SIDES AND SOFFITS OF SLABS AND BEAMS- LEAVE SHUTTER IN PLACE
 - C) COLUMNS- CURING COMPOUND (RESIN BASED CURING COMPOUND APPLIED AT A RATE OF 0.45 LITRES PER SQUARE METER- REFER CSRA 7114)

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REV.	DESCRIPTION	BY	DATE	APP
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DRAWING STATUS: **FOR CONSTRUCTION**

CLIENT: DEPARTMENT: ECONOMIC DEVELOPMENT, TOURISM AND ENVIRONMENTAL AFFAIRS (KWA XOLO CAVES)

PROJECT NAME: **KWA-XOLO CAVES**

TITLE: **WATER TANK/STRUCTURE.**

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SIGNATURE

ESCA: Reg No. 987051

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DESIGN	DGN	SCALE	DESIGNER'S No.
DRAWN	ASR	REFER TO LAYOUT	
DATE	NOV 2022		
CHECKED	DGN	CAD FILE: \\DGN\UM\LP276	

PROJECT	AREA	DRAWING NUMBER	REV
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