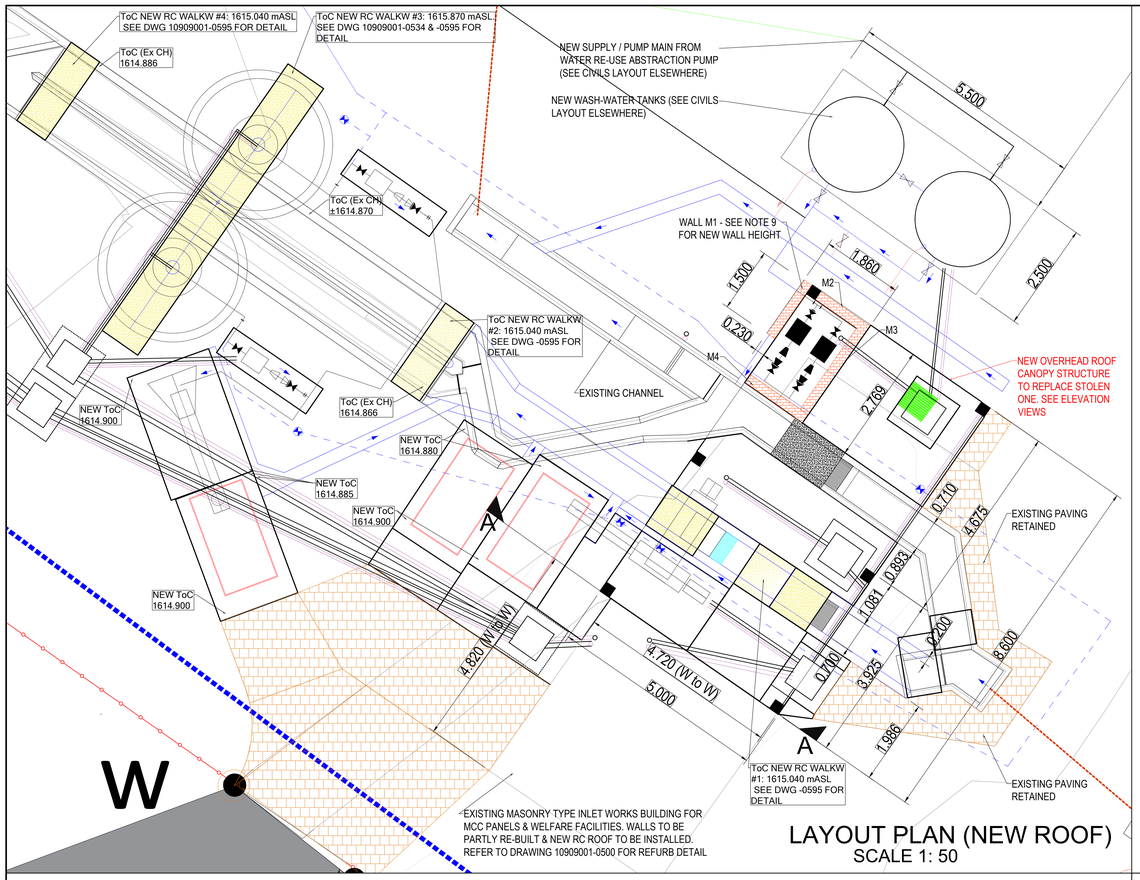
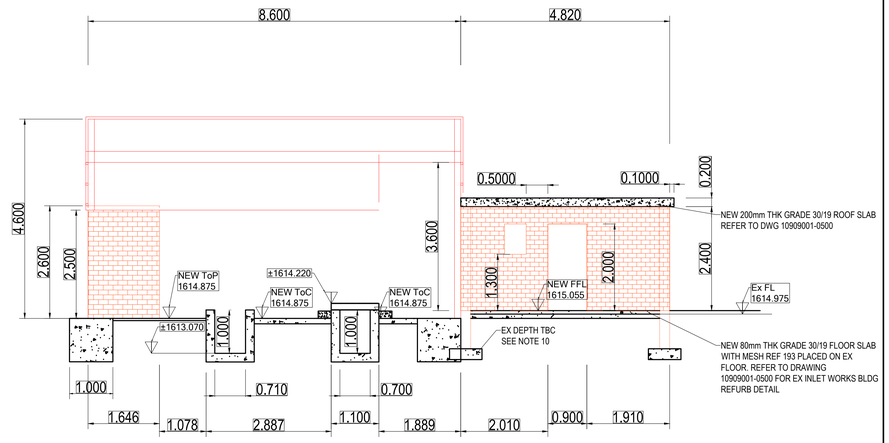
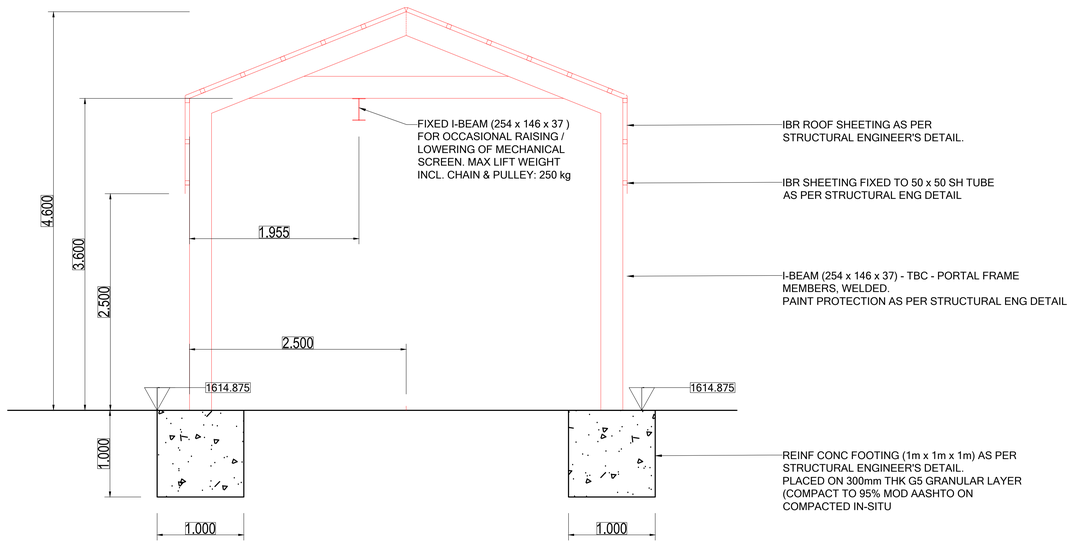


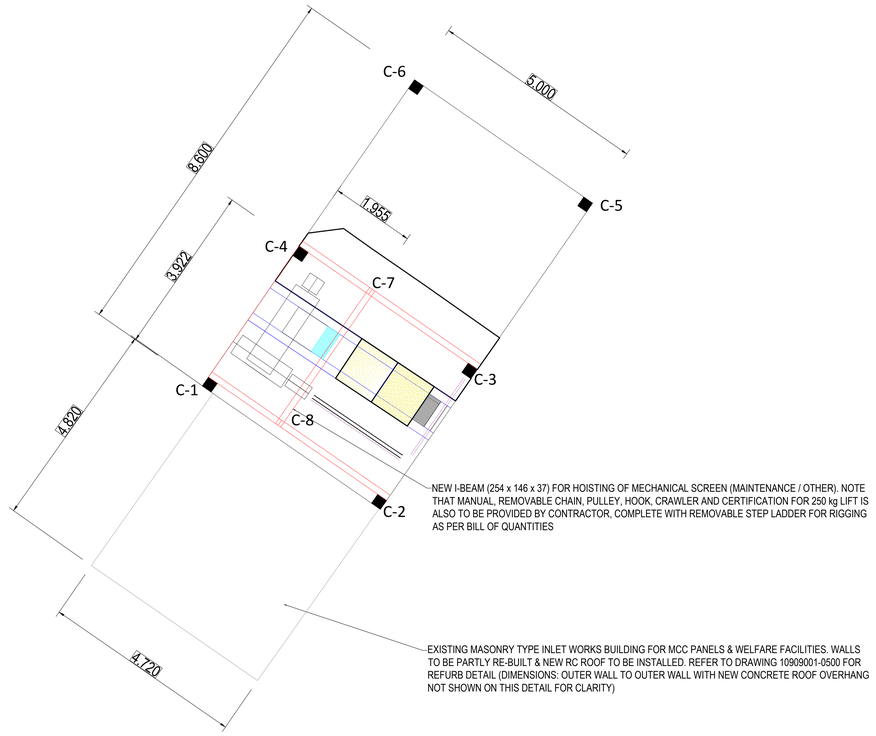
LAYOUT PLAN (NEW ROOF)
SCALE 1: 50



ELEVATION WEST (NEW SCREENINGS AREA ROOF STRUCTURE)
SCALE 1: 50



ELEVATION SSW (EX BUILDING NOT SHOWN)
SECTION A-A, SCALE 1: 25



LAYOUT PLAN (NEW ROOF - SHOWING HOIST BEAM)
SCALE 1: 50

ISSUED FOR TENDER

NOTES:

1. LAYOUT PLAN PRODUCED ON THE BASIS OF PROFESSIONAL LAND SURVEYORS AS-BUILT SURVEY, APRIL 2023. (ARROW SURVEYS PTY LTD) AND V3 CONSULTING ENGINEERS AS-BUILT SURVEY 2023. THE CONTRACTOR SHALL HOWEVER VERIFY ALL DIMENSIONS OF EXISTING STRUCTURES WITH THOSE INDICATED ON CONSTRUCTION DRAWINGS, PRIOR TO ORDERING OF BESPOKE FITTINGS AND SEEK CLARIFICATION FROM THE CONSULTING ENGINEER WHERE NECESSARY.
2. THIS DRAWING TO BE READ WITH ALL RELEVANT CIVIL ENGINEERING DRAWINGS. SEE THE TABLE ON THIS DWG WITH NOTABLE DWGS.
3. THIS DRAWING TO BE READ WITH ALL RELEVANT MECHANICAL, ELECTRICAL AND ELECTRONIC ENGINEERING DRAWINGS.
4. REFER TO DRAWING 10909001-0106 FOR SITE LAYOUT GEOMETRY (DIMENSIONS)
5. THE CONTRACTOR SHALL COMPLETE DRAINING & CLEANING OF EXISTING CHANNELS (OTHER THAN BY-PASS) AND RECTANGULAR GRIT CHANNELS TO CONFIRM AS-BUILT MEASUREMENTS FOR CONCRETE STRUCTURES PRIOR TO COMMENCEMENT.
6. FOLLOWING CLEANING WORKS (SEE NOTE 5) THE CONTRACTOR SHALL CONFIRM INVERT LEVELS FOR CHANNEL BED (ToC) AS INDICATED IN SCOPE OF WORK DOC.
7. THE CONTRACTOR SHALL FIRST UNDERTAKE DEMOLITION & CONSTRUCTION OF NEW CHANNEL, VORTEX DEGRITTERS AND SLUICE VALVES / HAND-STOPS, PRIOR TO REFURB WORK ON BY-PASS CHANNEL.
8. THE CONTRACTOR'S H & S PLAN SHALL INCLUDE & MITIGATE FOR ALL RESIDUAL SAFETY HAZARDS, INCLUDING BUT NOT LIMITED TO, WORK NEAR / OVER OPEN WATER, FALLING FROM HEIGHT, RISK OF ELECTRIC SHOCK, DEEP EXCAVATIONS, DEMOLITION WORK AND MOVING MACHINERY.
9. NEW DOUBLE SKIN MASON WALL: STRETCHER BOND WITH BRICKFORCE EVERY 4TH COURSE. FOUNDATIONS AS PER STRUCT ENG DETAIL. MASONRY WALL HEIGHTS:
   W1 & W2: 2.6m H (WEATHER PROTECTION)
   W3 & W4: 1.2m H (SPLASH WALLS)
   WALL STEP DOWN @ W2 AND W3 CNR
10. DEPTH OF EX FOOTING ASSUMED AS 0.8m BELOW TOP OF EX CONC SLAB (1614.975 mASL). DEPTH TO BE CONFIRMED BY CONTRACTOR, WHEN EXCAVATING FOUNDATIONS FOR NEW SCREENINGS ROOF COLUMN BASE.

LEGEND:

WASH-WATER BOOSTED MAIN (50mm Ø PE100)

LEGEND:

BOQ:	BILL OF QUANTITIES (SEE CONTRACT DOCUMENTS)
CE:	CIVIL ENGINEERING
E:	ELECTRICAL (& ELECTRONIC FOR MCC's & TELEM)
M:	MECHANICAL
MEICA:	MECH ELECTRICAL INSTRUMENTATION CONTROL & AUTOMATION
ToC:	TOP OF CONCRETE (NEW)
ToC (Ex):	TOP OF CONCRETE (EXISTING)
ToP:	TOP OF PAVING
FFL:	FINISHED FLOOR LEVEL (NEW)

LOCAL MUNICIPALITY: MAP

SPONSOR & REGULATOR: DWS

FOR TENDER

0 100

100 MILLIMETRES ON ORIGINAL DRAWING

A		BEFORE CONTRACT COMMENCES
A1		AFTER CONSTRUCTION CONTRACT HAS COMMENCED
Nr.	DATE	AMENDMENTS
T1	2025-02-21	ISSUED FOR TENDER

COPYRIGHT IS VESTED IN V3 CONSULTING ENGINEERS IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978)

CLIENT / IMPLEMENTING AGENT

vaal central water naturally

V3 CONSULTING ENGINEERS
T: +27 51 045 1950
Suite 31, Nobel House, 196 Nelson Mandela Road, Brandwag, Bloemfontein, 9301
CESA

PROJECT:
TSHIAME WWTW REFURBISHMENT
VCWB CONTRACT: BW298/TSHIWWTW/22

DRAWING DESCRIPTION:
INLET WORKS: SCREENINGS AREA: REPLACEMENT ROOF LAYOUT & DETAIL

DRAWING NO.	REVISION
10909001 - 0501	T1

DESIGNED:	GM	CHECKED: ECSA PR ENG No: 20170244	GM
DRAWN:	HP	SCALE: AS SHOWN	A0
APPROVED: ECSA PR ENG No: 20170244		INCEPTION DATE: 2025-02-21	
FILE PATH:	SHAREPOINT/ BLOEMFONTEIN - TDO/09001 TSHIAME WWTW / 02 CONCEPT / 04 DRAW		