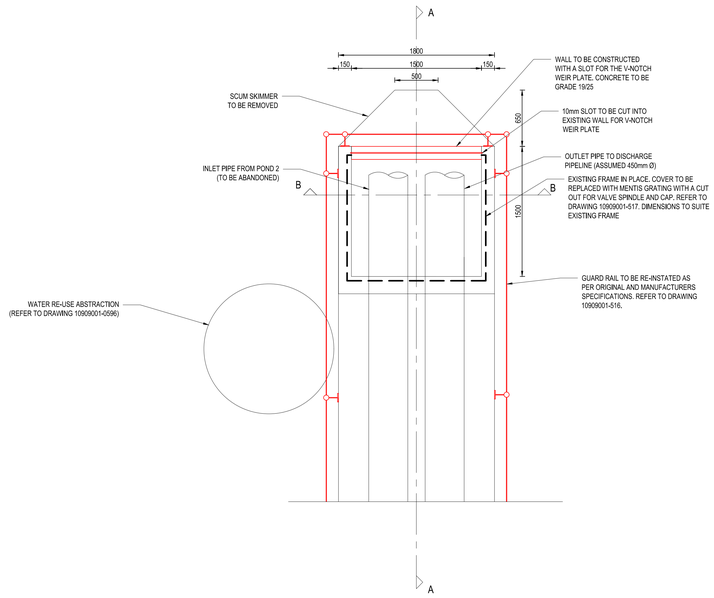
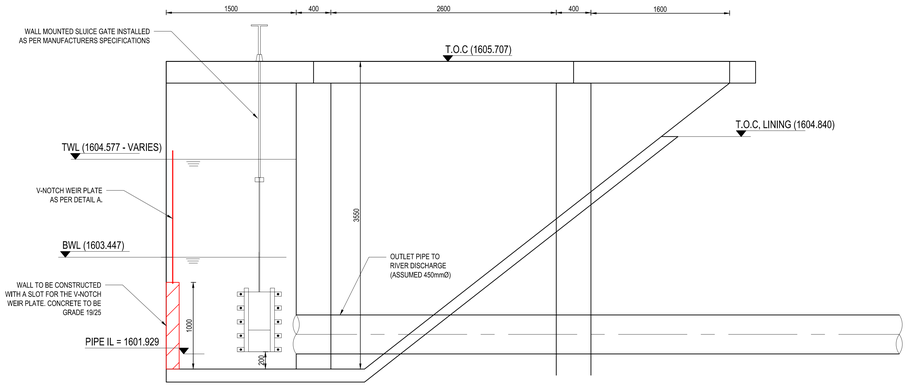
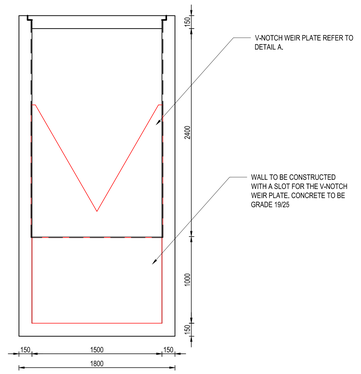
LAYOUT: POND 3 OUTLET (V-NOTCH WEIR)
SCALE 1:50



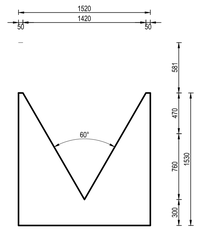
PLAN VIEW: PIER @ POND 3
(V-NOTCH FLOW METER)
SCALE 1:25



SECTION A-A
SCALE 1:25



SECTION B-B
SCALE 1:25



DETAIL A: V-NOTCH WEIR DIMENSION
SCALE 1:25

NOTES:

1. ALL WORK TO BE DONE ACCORDING TO SANS 1200
2. ALL MEASUREMENTS TO BE CONFIRMED PRIOR TO ORDERING ANY MATERIAL. ANY DISCREPANCIES TO BE COMMUNICATED TO THE ENGINEER.
3. DRAWING TO BE READ WITH:
   - 3.1. 10909001 - 0104 (SITE LAYOUT)
   - 3.2. 10909001 - 0422 (CENTRAL WORKS LAYOUT: PROPOSED ELECTRICAL & SIGNAL CABLE DUCTS)
   - 3.3. 10909001 - 0516 (TYPICAL DETAIL: REPLACEMENT HAND RAILS)
4. CONCRETE REPAIRS TO BE DONE USING SIKA MONOTOP-4400 MC OR SIMILAR APPROVED.
5. ULTRASONIC FLOW METER TO BE CALIBRATED USING THE ASTM D5242-92(2013): STANDARD TEST METHOD FOR OPEN CHANNEL FLOW MEASUREMENT OF WATER WITH THIN-PLATE WEIRS. THE FLOW METER HAS TO BE INSTALLED BETWEEN 3 TO 4 TIMES THE DISTANCE OF THE MAXIMUM ANTICIPATED HEAD.
6. ALL SUPPORT BRACKET FITTINGS AND COMPONENTS SHALL BE STAINLESS STEEL.

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
A		AFTER CONSTRUCTION CONTRACT HAS COMMENCED
Nr.	DATE	AMENDMENTS
T1	202503-17	FOR TENDER

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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
FLOW METER TO DISCHARGE (POND 3 - V-NOTCH FLOW METER)

DRAWING NO.
10909001 - 0556

REVISION
T1

DESIGNED:	GM	CHECKED: ECSA PR ENG No: 20170244	GM
DRAWN:	HP	SCALE: AS SHOWN	A0
APPROVED: ECSA PR ENG No: 20170244		INCEPTION DATE: 2025-03-17	
FILE PATH:	SHAREPOINT/ BLOEMFONTEIN - 10909001 TSHIAME WWTW / 03 DES DEV / 04 DRAW / 01 CIVILS / 02 DWG		