



PROCESS UNIT	PROCESS UNIT / DESCRIPTION	SUMMARY SCOPE (CIVILS & STRUCTURES)
1	INLET WORKS (HEAD OF WORKS)	PARTLY DEMOLISH, ALTER, ADD & REFURBISH EXISTING FOR SCREENING, GRIFF, REMOVAL, FLOW MEASUREMENT & WASHWATER SYSTEM (REF 1A INSTALL 3 X 1000L WATER TANKS)
2	INLET WORKS (OPERATOR & MISC BUILDINGS)	ALTER & REPAIR EXISTING SECURE
3	INLET SCREENING CANOPY STRUCTURE	REPLACE
4	SCREENING BUILDING	REMOVE GENERAL REFURBISH & BACKFILL
5	PRIMARY SETTLEMENT RAMPING TANK	REFURBISH
6	SECONDARY SETTLING TANK (200000L)	REFURBISH
7	SECONDARY SETTLING TANK (200000L)	REFURBISH
8	FLOW METER INSTALLATION, VARIOUS LOCATIONS	RE-GRADE MEDIA, ALTER RETAINING BLOCKS & REFURBISH
9	BRASS FLOW METER CHAMBER	REFURBISH, CONSTRUCT NEW AS PER SCOPE ELSEWHERE
10	WAS SUMP & CHAMBER	REFURBISH & ALTER
11	WAS SUMP & CHAMBER	REFURBISH
12	WAS SUMP & CHAMBER	REFURBISH
13	WAS SUMP & CHAMBER	REFURBISH
14	WAS SUMP & CHAMBER	REFURBISH
15	COMPOST PROCESSING & COLLECTION AREA	REFURBISH
16	CHLORINATION BUILDING	MAN/BOSS REFURBISH SECURE
17	STORE ROOM	SATELLITE BLOC @ CHANSEL, DEMOLISH
18	OPERATIONS OFFICE & ABLUTIONS	RELOCATE TO CELL 14 & REBUILD DESTROYED ROOM
19	MAN/BOSS PLANT ROOM	REFURBISH & SECURE
20	ELECTRICAL TRANSFORMER (REPAIR/REPLACE POWER)	REFURBISH & SECURE ELECTRICAL, REPLACE TRANSFORMER
21	REPAIR/REPLACE GENERATOR & ACCESSORIES	CONSTRUCT NEW & SECURE (SEE ALSO ELECTRICAL NOTES)
22	PONDS (1, 2 & 3)	REMOVE SLOPES FROM EXISTING SLOPES (JACOBS)
23	WATER RE-USE ABSTRACTION MINOR CANNON (WITH ACCESS FROM EXIST POND NO 3 OUTLET JETTY STRUCTURES)	REPAIR/REPLACE FOR MAIN BATHING PURPOSES & DISINFECTION CONTACT TIME
24	EXISTING POND NO 3 OUTLET STRUCTURE & NEW FINAL EFFLUENT FLOW METER LOCATION	OUTLET STRUCTURE - SEE REF 24
25	DISCHARGE STRUCTURE TO RIVER	NEW INSTALL FOR NEW SUBMERSIBLE PUMPS AS PART OF WATER RE-USE AND WASHWATER SYSTEM REFER TO DWG 1000001-0116
26	INTERNAL ACCESS ROAD & STORMWATER	AD PART OF REF 25 NEW CONCRETE INSTALL
27	SECURITY FENCE	INSTALL VATCHWORK ALSO ASPECT & TEST EXISTING OUTLET
28	SECURITY FENCE	BLANK WALL & REPAIR/REPLACE EXISTING
29	SECURITY FENCE	ADJ WATER EROSION PROTECTION
30	SECURITY FENCE	REPLACE NEW/EXISTING JET TRACK WITH NEW BRIDGE, ACCESS ROAD & TURNING AREAS, UNDER TAKE STORMWATER IMPROVEMENTS
31	SECURITY FENCE	REPLACE ALL NOTE SECTIONS DESIGNATED FENCE TYPE 1
32	SECURITY FENCE	ELECTRIFIED AND FENCE TYPE 2 (NOT ELECTRIFIED)
33	SECURITY FENCE	REFER TO DWG 1000001-0112 FOR DE SIGNATIONS
34	SECURITY FENCE	REPLACE NEW EXISTING CABLE DUCTS & DRAW PIPE
35	SECURITY FENCE	REPLACE WATER & SEWER SERVICES (SALDINGS)
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NOTES:

- LAYOUT PLAN PRODUCED ON THE BASIS OF PROFESSIONAL LAND SURVEYORS AS-BUILT SURVEY, APRIL 2023 (ARROW SURVEYS PTY LTD).
- ALL EXISTING BUILDINGS TO BE REFURBISHED.
- THIS DRAWING TO BE READ WITH ALL CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND ELECTRONIC DRAWINGS. REFER TO DRAWING LIST FOR DASH OF REFERENCE.
- FOR BURIED SERVICES REFER TO DRAWING NO. 10909001-0116

LEGEND:

NEW FLOOD LIGHT MAST (20m HIGH): Ax
CIVILS: CAST RC BASE

EXISTING SEWER:

REPLACEMENT LIGHT POLE: Lx

LOCAL MUNICIPALITY: MAP

SPONSOR & REGULATOR: DWS

FOR TENDER

100 MILLIMETRES ON ORIGINAL DRAWING

BEFORE CONTRACT COMMENCES

AFTER CONSTRUCTION CONTRACT HAS COMMENCED

N	DATE	AMENDMENTS
(1)	2025-02-21	ISSUED FOR TENDER

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CLIENT / IMPLEMENTING AGENT

vaal central water.naturally

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CESA

PROJECT

TSHIAME WWTW REFURBISHMENT

VCWB CONTRACT: BW298/TSHIWWTW/22

DRAWING DESCRIPTION

GENERAL SITE LAYOUT (CIVILS): REFURBISHMENT (OPTION "A-PLUS")

DRAWING NO.

10909001 - 0104

REVISION

T1

DESIGNED: GM

CHECKED: CESA PR ENG No 2017024

GM

DRAWN: HP / GM

SCALE: 1:1000

A0

APPROVED: CESA PR ENG No 2017024

INCEPTION DATE: 2025-02-21

FILE PATH: WWTW / 02 CONCEPT / 04 DRAW

ISSUED FOR TENDER