POTABLE WATER

12-BV01

12-NV01

12-PG02

PG

12-FBV01

12-FBV02

12-MF01

12-T03

12-BV09

12-PG01

PG

12-BV02

FROM:
MATURATION PONDS

D7 | 10909001-7006 | RE-USE WATER

TO:
HEAD OF WORKS

DETAIL 3

12-LE01

LE

12-LSL01

LSL

12-PSH01

PSH

12-PSL01

PSL

12-EM04

M

12-PVS01

PE

12-PG03

PG

12-CP01

12-PE02

12-BV03

12-BV04

12-EM05

M

12-CP02

GRAVITY FED MOTIVE WATER FOR GRANULAR CHLORINATION

600kPa Ø125 HDPE BOOSTER FED WASH WATER

12-BV07

12-BV08

FROM: HEAD OF WORKS

10909001-7006

TO: CHLORINE

FROM: HEAD OF WORKS

TO: WASH WATER TO
REST OF THE PLANT

GRIT CLASSIFIER OVERFLOW

DETAIL 6

GRIT

M

13-EM06

13-B04

13-GV07

Ø80 SS304

13-GV06

13-GV08

13-F01

SKIP BIN

13-BV03

MAINTENANCE DRAIN

DETAIL 2

SCREENINGS

S

12-SV03

12-BV05

M

12-EM03

12-B03

SKIP BIN

12-DW03

12-BV06

DETAIL 4

13-EM02

M

13-B02

13-BV04

13-GV05

DETAIL 5

13-EM04

M

13-CP02

13-NV02

Ø80 SS304

13-GV03

13-HH05

13-ZX02

13-HH06

13-VD02

DETAIL 1

12-B02

M

12-EM02

LSH

12-LSH01

LE

12-LE01

12-HH01

12-HN01

12-HN02

12-HC01

13-EM01

M

13-B01

13-BV05

13-GV02

DETAIL 5

13-EM03

M

13-CP01

13-NV01

13-HH03

13-ZX01

13-HH04

13-VD01

S

12-SV01

FQS

15-FQS01

FI

QI

15-FI01

FIT

QI

15-FIT01

LE

15-LE01

NOTE 1

LG

15-VE02

13-HH02
NORMALLY
CLOSED

EMH 11

FROM:
HEAD OF WORKS

B1 | 10909001-7004

TO:
BNRAS

INDUSTRIAL

DOMESTIC

12-HH03
NORMALLY
CLOSED

12-HN03

12-HH02

LG

(NO SENSOR)

15-VE01

EXISTING MAINTENANCE BYPASS

EMH 3

EMH 4

FROM:
HEAD OF WORKS

C1 | 10909001-7002

TO:
IMHOFF TANKS

MAINTENANCE BYPASS

32-HH01
Normally closed

FROM:
HEAD OF WORKS

B1 | 10909001-7003

TO:
EMH 6 AND PONDS

FROM:
SECONDARY SETTLING
TANK (WAS)

D7 | 10909001-7012

TO:
HEAD OF WORKS (EMH 3)

NOTE :
1. THE FLOW METER PROVIDED SHOULD BE CAPABLE OF PRODUCING A DAILY FLOW PROFILE, AND LOG THE HOURLY FLOW.

VIRTUAL
CONSULTING ENGINEERS

ISSUED FOR TENDER

NOTES:

LOCAL MUNICIPALITY: MAP

SPONSOR & REGULATOR: DWS

ISSUED FOR TENDER

0 50

100 MILLIMETRES ON ORIGINAL DRAWING

(A) BEFORE CONTRACT COMMENCES

(A) AFTER CONSTRUCTION CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS

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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

DRAWING DESCRIPTION
PROCESS & INSTRUMENTATION DIAGRAM:
HEAD OF WORKS

DRAWING NO.	REVISION
10909001 - 7001	T1

DESIGNED:	JAW	CHECKED: ECSA PR No: 20130658	————
DRAWN:	SP	SCALE: N.T.S	A3
APPROVED: ECSA PR No: 20130658	————	INCEPTION DATE: JUN'23	
FILE PATH:	SHAREPOINT / BLOEMFONTEIN - 10909001 TSHIAME WWTW / 04 DOC PROC / 04 DRAW		