

NOTES  
1. LAYOUT PLAN PRODUCED ON THE BASIS OF PROFESSIONAL LAND SURVEYORS AS-BUILT SURVEY, APRIL 2023. (ARROW SURVEYS PTY LTD)

LEGEND  
NEW WOODEN RAILING



ISSUE FOR TENDER

100 MILLIMETRES ON ORIGINAL DRAWING

(A) BEFORE CONTRACT COMMENCES  
(A) AFTER CONSTRUCTION CONTRACT HAS COMMENCED

Nr.	DATE	AMENDMENTS
(A)	2023-06-23	CONCEPT DESIGN (FEASIBILITY STAGE)
(B)	2023-07-10	CONCEPT DESIGN (FEASIBILITY STAGE)
(C)	2024-03-08	CONCEPT FOR APPROVAL (VCWB LOGO EDIT)

T1 ISSUE FOR TENDER

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CLIENT / IMPLEMENTING AGENT



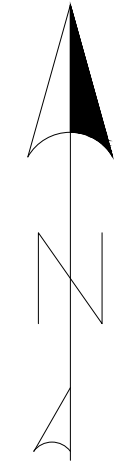
PROJECT  
TSHAME WWTW REFURBISHMENT  
BW CONTRACT: BW298/TSHIWWTW/22

DRAWING DESCRIPTION  
TSHAME WWTW:  
GENERAL LAYOUT: EXISTING OUTFALL,  
PROPOSED EROSION PROTECTION WORKS

DRAWING NO.  
10909001 - 0103

REVISION  
T1

DESIGNED:	BM	CHECKED:	GM	SCALE:	1:25	AD
DRAWN:	GM	SCALE:	1:25	AD		
APPROVED:	GM	INCEPTION DATE:	2023-01-13			
FILE PATH:	WWTW / 02 CONCEPT / 04 DRAW					



UPPER WILGE RIVER TRIBUTARY  
(WATER COURSE)

AVERAGE WATER LEVEL, BOTTOM OF  
BANK ±1594.485 mMASL

EXISTING STILLING BASIN / SIDE-CHANNEL  
TO THE PRIMARY WATER COURSE)

NEW GABION MATTRESS NO.1 PLACED PARALLEL TO EXISTING  
CONCRETE APRON APPROX. 100mm BELOW TOC OF APRON  
SLAB WITH GEOTEXTILE BLANKET  
2m LONG X 1m WIDE X 1m HIGH  
(AREA: 2m², EXCAV VOL: 0.5 m³, GABION VOL: 2m³)

NEW GABION MATTRESS NO.3 PLACED ON TOP OF GABION  
BASKET NO.1 WITH GEOTEXTILE BLANKET  
2m LONG X 1m WIDE X 1m HIGH (AREA: 2m², EXAV VOL:  
0.5 m³, GABION VOL: 2m³)

TOP OF BANK  
±1599.200 mASL

INVERT LEVEL OF EXISTING 600mmØ  
PIPE=1596.763mMASL

MAINTENANCE ACTIVITY:  
CUT VEGETATION AROUND  
OUTLET OF PIPE (2 m³) TO PREVENT  
SPILLAGE OUTSIDE EXISTING BASIN

NEW GABION MATTRESS NO.3 PLACED ON TOP OF GABION  
BASKET NO.1 OVERLAPPING 500mm WITH GEOTEXTILE  
BLANKET 2m X 1m X 1m (AREA: 2m²)

MINIMUM 2m FROM EDGE OF  
GRASS BANK

INSTALL NEW WOODEN HAND RAILING WITH  
100mmØ POLES AT SUPPORTS @ 2m c/c  
TOTAL LENGTH: 12m (AREA: 0.6 m²)

PROPOSED CONCRETE STEPS = 3 m³  
EXCAVATION / FILL VOLUME ± 1 m³

#### PROPOSED EROSION PROTECTION WORKS

DESCRIPTION	AREA (m²)	FILL VOL (m³)
GABIONS	6.0	6.0
CONCRETE STEPS	3.0	1.0
HANDRAILING	0.6	0.0
TOTAL	9.6	7.0

GABION

ISSUE FOR TENDER