



PILE LAYOUT

SCALE: 1:50

	Max Vertical	Max Vertical							
Pile Number	Compression kN	Tension kN	X Force kN	Y Force kN	Moment on pile From Scour kNm	Depth of Scour m	Top of Pile Level Approx	Pile Cut Off Level	
P1	450	0	40	20	56,25	2,5	275,500	273,5	
P2	450	0	40	20	56,25	2,5	275,500	273,5	
P3	450	0	40	20	56,25	2,5	275,500	273,5	
P4	450	0	40	20	56,25	2,5	275,500	273,5	
P5	450	0	40	20	56,25	2,5	275,500	273,5	
P6	450	0	40	20	56,25	2,5	275,500	273,5	
P7	450	0	40	20	56,25	2,5	275,500	273,5	
P8	450	0	40	20	56,25	2,5	275,500	273,5	
P9	450	0	40	20	56,25	2,5	275,500	273,5	
P10	450	0	40	20	56,25	2,5	275,500	273,5	
P11	450	0	40	20	56,25	2,5	275,500	273,5	
P12	450	0	40	20	56,25	2,5	275,500	273,5	
P13	450	0	40	20	56,25	2,5	275,500	273,5	
P14	450	0	40	20	56,25	2,5	275,500	273,5	
P15	450	0	40	20	56,25	2,5	275,500	273,5	
P16	450	0	40	20	56,25	2,5	275,500	273,5	
P17	450	0	40	20	56,25	2,5	275,500	273,5	
P18	450	0	40	20	56,25	2,5	275,500	273,5	
P19	450	0	40	20	56,25	2,5	275,500	273,5	
P20	450	0	40	20	56,25	2,5	275,500	273,5	
P21	450	0	40	20	56,25	2,5	275,500	273,5	

Note all Loads indicated are at Servicability Limit State

	Max Vertical Compression kN	Max Vertical Tension kN	X Force kN	Y Force kN	Moment on pile From Scour kNm	Depth of Scour	Top of Pile Level Approx	Pile Cut Off Level
P1	0	-200	40	20	56.25	2.5	275.500	273.5
P2	0	-200	40	20	56.25	2.5	275.500	273.5
P3	0	-200	40	20	56.25	2.5	275.500	273.5
P4	0	-200	40	20	56.25	2.5	275.500	273.5
P5	0	-200	40	20	56.25	2.5	275.500	273.5
P6	0	-200	40	20	56.25	2.5	275.500	273.5
P7	0	-200	40	20	56.25	2.5	275.500	273.5
P8	0	-200	40	20	56.25	2.5	275.500	273.5
P9	0	-200	40	20	56.25	2.5	275.500	273.5
P10	0	-200	40	20	56.25	2.5	275.500	273.5
P11	0	-200	40	20	56.25	2.5	275.500	273.5
P12	0	-200	40	20	56.25	2.5	275.500	273.5
P13	0	-200	40	20	56.25	2.5	275.500	273.5
P14	0	-200	40	20	56.25	2.5	275.500	273.5
P15	0	-200	40	20	56.25	2.5	275.500	273.5
P16	0	-200	40	20	56.25	2.5	275.500	273.5
P17	0	-200	40	20	56.25	2.5	275.500	273.5
P18	0	-200	40	20	56.25	2.5	275.500	273.5
P19	0	-200	40	20	56.25	2.5	275.500	273.5
P20	0	-200	40	20	56.25	2.5	275.500	273.5
P21	0	-200	40	20	56.25	2.5	275.500	273.5

Note all Loads indicated are at Servicability Limit State

NOTES:

- Pile Lengths to be 9m.
- Piles to be design and supply
- Pile type to be OOE273mm diameter piles as detailed in Geotechnical Report.

APPROVAL STAMP			
T03	BRI	2024-02-02	PILE LOAD TABLE UPDATED
T02	BI	2023/08/03	PILE LOAD TABLE UPDATED
T01	NW	2023/06/08	ISSUED FOR TENDER
REV	BY	DATE	REVISION DESCRIPTION
AMENDMENTS			
FOR TENDER			
CLIENT			
<div style="margin-bottom: 10px;"> DBSA DEVELOPMENT BANK OF SOUTH AFRICA <i>Building Africa's Prosperity</i></div> <div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><div>Uthambiso Consult <i>"We deliver"</i></div></div><div style="width: 50%; padding-top: 20px;"><p>Uhambiso Consult (Pty) Ltd CONSULTING ENGINEERS AND PROJECT MANAGERS JANUUS LOODSHOOSI NEKANGA-JA ECOMOMIALE INGENIEUR</p><div style="display: flex; justify-content: space-between;"><div><p>Pon Elizabeth 1711 ROBERT RIDGE WATSON PORT ELIZABETH P.O. Box 5032 Mthatha Tel: (041) 3770 188 Fax: (041) 3770 189 E-mail: uelizabeth@uhambiso.co.za Web: www.uhambiso.com</p><p>Muntha No. 7 Union Street Southend Mthatha 5100 P.O. Box 502 Mthatha 5059 Tel: (041) 331 4232 Fax: (041) 331 1211 E-mail: umunthap@uhambiso.co.za</p></div></div></div></div>			
PROJECT TITLE			
CONSTRUCTION OF DIKIDIKINI BRIDGE - CIVIL WORKS			
DRAWING TITLE			
PILE LAYOUT & DETAILS			
DRAWN	DATE DRAWN	SHEET SIZE	
BRI	2023/05/22	A0 LANDSCAPE	
DRAWING CHECKED BY	DATE CHECKED	SCALE	
R. M	2023/05/22	AS NOTED	
DESIGN ENGINEER	PROJECT LEADER	PROFESSIONAL ENGINEER	
R. M	G. G.	R. M	
APPROVED BY (ENGINEER)		APPROVED BY (ARCHT)	
DATE APPROVED		DATE APPROVED	
DRAWING No:	SHEET No:	REVISION	
A_GA30-01	1 of 1	T03	