

FIGURE 4
RENO MATTRESSES

TABLE 5: RENO MATTRESSES						
NOMINAL DIMENSIONS			NUMBER OF CELLS	CAPACITY (m³)	UNITS PER BUNDLE	
LENGTH (L) (m)	WIDTH (W) (m)	HEIGHT (H) (m)			GALV	GALV / PVC
2,0	1,0	0,30	2	0,6	80	60
3,0	1,0	0,30	3	0,9	60	40
6,0	2,0	0,17	6	2,04	25	20
6,0	2,0	0,23	6	2,76	25	20
6,0	2,0	0,30	6	3,60	25	20
TOLERANCES: HEIGHT (H) , WIDTH (W) : ±5%; LENGTH (L) : ±10%						

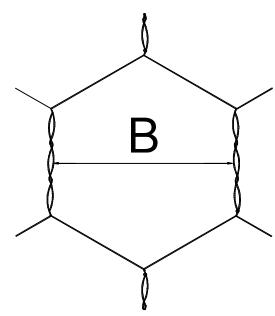


FIGURE 1
THE MESH

TABLE 1: MESH CHARACTERISTICS						
MESH TYPE	b (mm)	TOLERANCE (%)	WIRE DIAMETER (mm)			
			MESH		SELVEDGE	
			GALV	GALV/PVC	GALV	GALV/PVC
60	60	+5, -2	2,2	2,2 / 3,2	2,7	2,7 / 3,7
80	80	+5, -2	2,2	2,7 / 3,7	3,4	3,4 / 4,4
SPECIFICATIONS: ALL LACING WIRE - 2,2mm FOR GALVANISED MESH AND 2,2 / 3,2mm FOR PVC COATED MESH.						

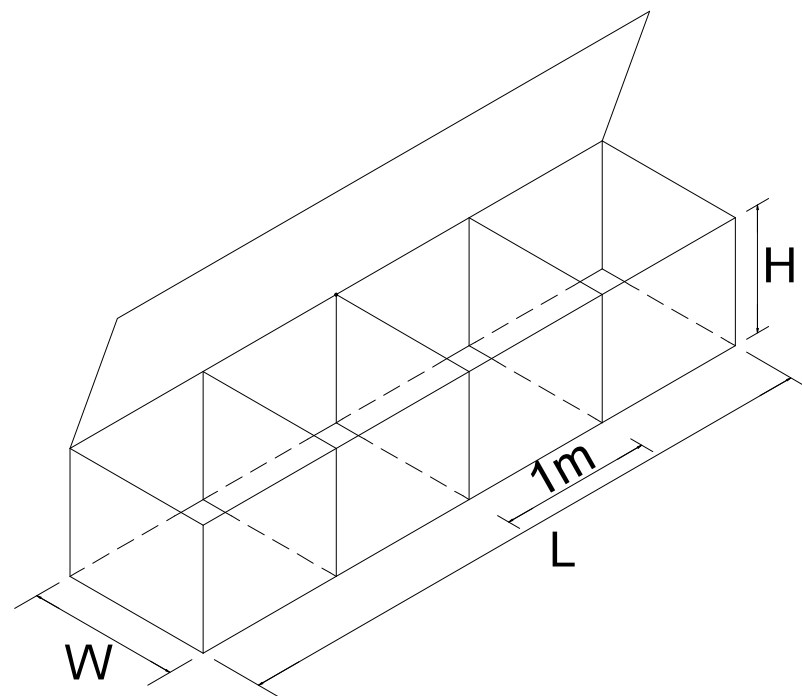


FIGURE 2
GABIONS

TABLE 2: GABIONS							
NOMINAL DIMENSIONS			NUMBER OF CELLS	CAPACITY (m³)	UNITS PER BUNDLE		
LENGTH (L) (m)	WIDTH (W) (m)	HEIGHT (H) (m)			GALV	GALV / PVC	
1,0	1,0	1,0	1	1,0	74	64	
1,5	1,0	1,0	1	1,5	74	62	
2,0	1,0	1,0	2	2,0	44	38	
3,0	1,0	1,0	3	3,0	32	26	
4,0	1,0	1,0	4	4,0	24	20	
2,0	0,5	0,5	2	0,5	100	80	
2,0	1,0	0,5	2	1,0	60	50	
3,0	1,0	0,5	3	1,5	40	34	
4,0	1,0	0,5	4	2,0	32	30	
TOLERANCES: HEIGHT (H) , WIDTH (W) : ±5%; LENGTH (L) : ±10%							

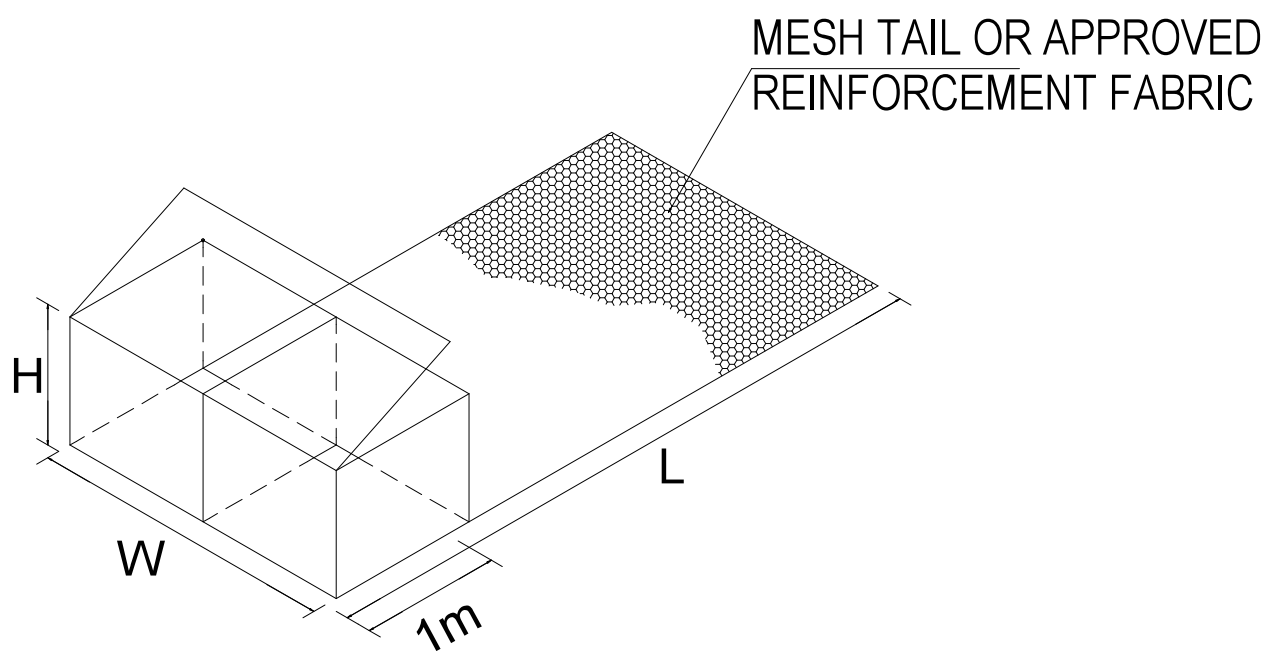
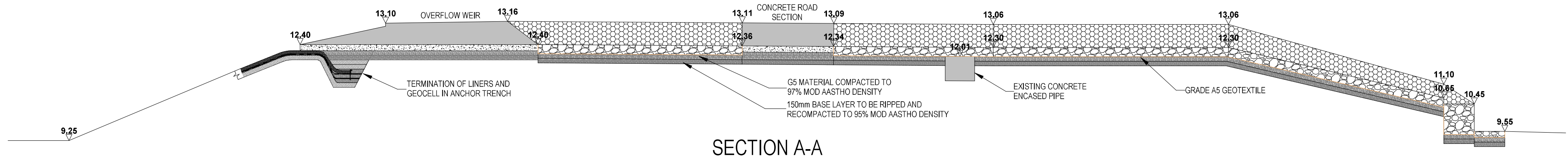


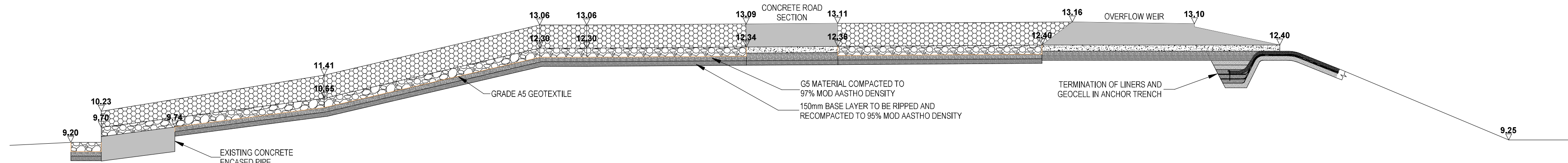
FIGURE 3
EARTH REINFORCEMENT

TABLE 3: EARTH REINFORCEMENT SYSTEMS					
NOMINAL DIMENSIONS			FRONT FACE CAPACITY (m²)	UNITS PER BUNDLE	
LENGTH (L) (m)	WIDTH (W) (m)	HEIGHT (H) (m)			
3,0	2,0	0,5	1,0	20	
4,0	2,0	0,5	1,0	20	
5,0	2,0	0,5	1,0	20	
6,0	2,0	0,5	1,0	20	
3,0	2,0	1,0	2,0	20	
4,0	2,0	1,0	2,0	20	
5,0	2,0	1,0	2,0	20	
6,0	2,0	1,0	2,0	20	
TOLERANCES: HEIGHT (H) , WIDTH (W) : ±5%; LENGTH (L) : ±10%					

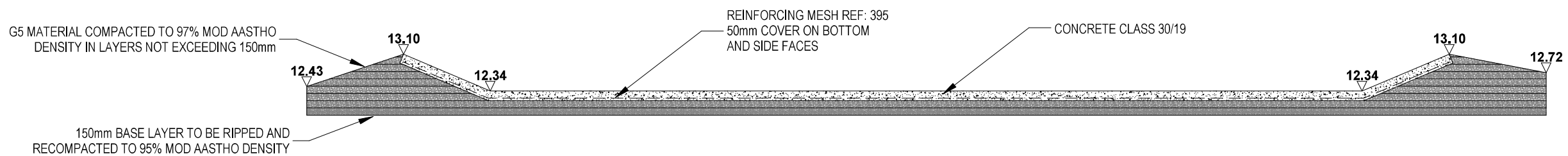
TABLE 4: APPROPRIATE ROCK SIZES FOR GABION FILLING		
DEPTH OF CAGE (m)	ROCK SIZE ACCORDING TO THE LARGEST DIMENSION OF ROCK	
	AVG LEAST DIM (mm)	MAXIMUM DIM (mm)
0,2	125	150
0,3	125	200
0,5	125	250
1,0	125	250



SECTION A-A



SECTION C-C



SECTION B-B

LEGEND:

No.	Date	By	Description
C	24/05/2023	NN	FOR TENDER
B	21/04/2023	NN	DRAWING UPDATED
A	20/03/2023	NN	FOR APPROVAL

REVISIONS
AS BUILT DRAWINGS

TECHNICAL CO-ORDINATOR	ENGINEER
DATE:	DATE:

CLIENT



CLIENT APPROVAL

Project leader: ---	Signature:
Date:	

CLIENT DRAWING NUMBER

ilifa
AFRICA ENGINEERS

PRETORIA
KRUGERSDORP
SECUNDA
NEWCASTLE
HARRISMITH
RICHARDS BAY

012- 362 1473
011- 955 5334
017- 534 8895
034- 312 6464
058- 622 1267
035- 753 1083

RICHARDS BAY OFFICE,
21 Kingfish Creek,
MEERENSEE,
PO Box 10812,
Meerensee, 3901.
email: rbay@ilifa.biz
Web: www.ilifa.biz

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Designed: N.Naumann	Date: 24/04/2023	Signature:
Drawn: N.Naumann	Date: 24/04/2023	Signature:
Checked: J. Skaliet	Date: 24/04/2023	Signature:
Approved: C. Olessans Pr. Reg No: 800450	Date: 24/04/2023	Signature:

PROJECT TITLE

FOSKOR - RELINING OF
STORMWATER DAMS

PROJECT DESCRIPTION

TECHNICAL DESIGN
OF STORMWATER DAMS

DRAWING TITLE

SECONDARY DAM OVERFLOW
STRUCTURE SECTIONS

DATE MAY 2023	SCALE 1:100	A1	SHEET NO. 1 OF 1
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PLAN No.

CONSULTING ENG. DRAWING NO: R21-097-00-202	Rev C
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