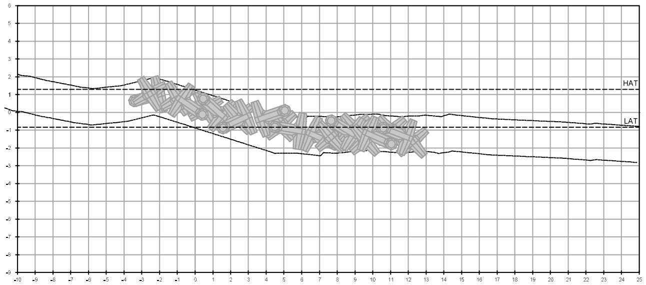
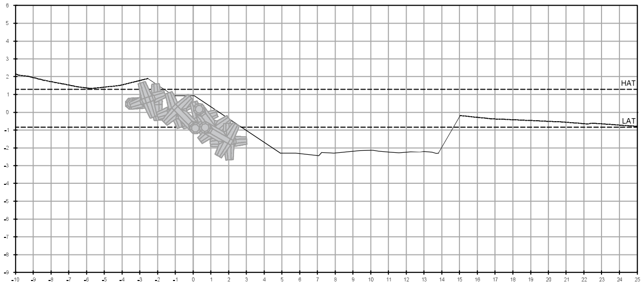


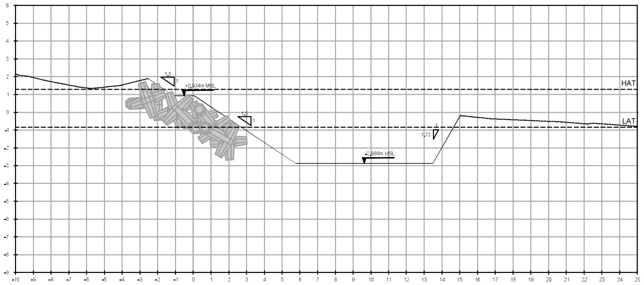
1. EXISTING PROFILE

1:100



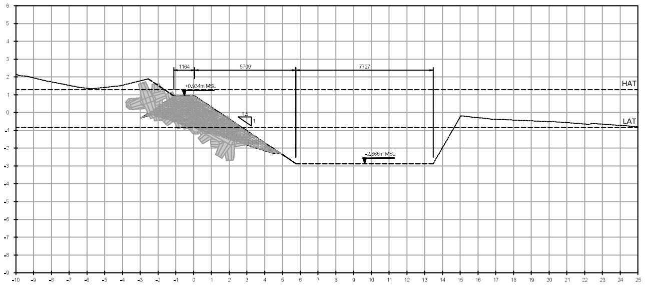
2. REMOVAL OF EXISTING DOLOS

1:100



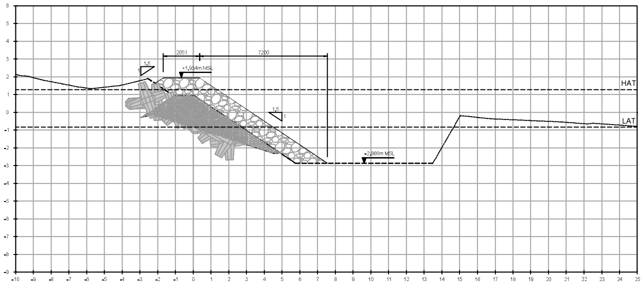
3. DREDGE PROFILE

1:100



4. GEOTEXTILE PLACEMENT

1:100



5. UNDERLAYER PLACEMENT

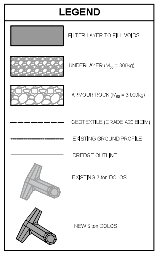
1:100

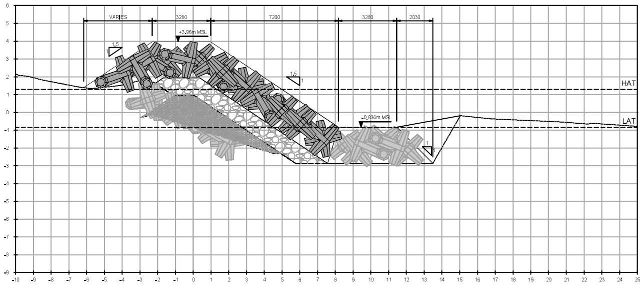
CHAINAGE 1+400.00 TO 2+000.00

LAYER	M_{50}	GRADING	THICKNESS
ARMOUR	3 ton DOLOS	PACKING DENSITY COEFFICIENT = 0.83	2 030 mm
UNDERLAYER	300 kg	100 - 500 kg	1 000 mm

CHAINAGE 2+000.00 TO 2+400.00

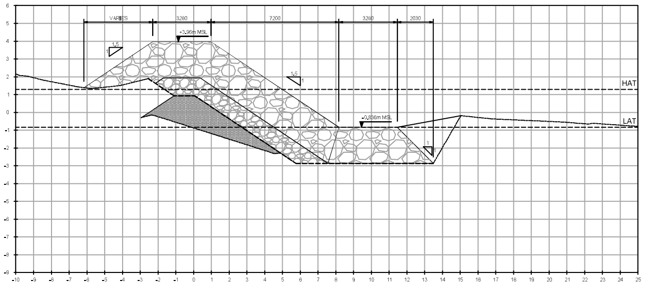
LAYER	M_{50}	GRADING	THICKNESS
ARMOUR	3 000 kg	2 000 - 4 000 kg	2 030 mm
UNDERLAYER	300 kg	100 - 500 kg	1 000 mm


LEGEND
FILTER LAYER TO FILL VOIDS
UNDERLAYER (M_{50} = 300kg)
ARMOUR ROCK (M_{50} = 3 000kg)
GEOTEXTILE (GRADE A20 BIDIM)
EXISTING GROUND PROFILE
DREDGE OUTLINE
EXISTING 3 ton DOLOS
NEW 3 ton DOLOS



6a. 3 TON DOLOS UNITS PLACEMENT (1+400.00 TO 2+000.00)

1:100



6b. 3 TON ARMOUR ROCK PLACEMENT (2+000.00 TO 2+400.00)

1:100

DRAWING NO.	DRAWING DESCRIPTION
.	.

REFERENCE DRAWINGS

General Notes

The contractor shall verify all site conditions, dimensions and levels on the site and notify the NEC supervisor of any variations before construction.

Dimensions are in millimetres except on chainages and cross-sections, which are given metres.

Dimensions must not be scaled or assumed. After notification, discrepancies or missing dimensions will be corrected in writing by the engineer.

All levels are with reference to Mean Sea Level (MSL) which is 0.836 above Chart Datum (CD).

Total no. of dolos available at stacking yard is 718. Concrete strength and dimensions of dolos to be verified during construction.

Amour rock to conform to EN 13383.

Concrete (where applicable the following shall apply)

All concrete work shall conform with the latest amended issue of :
SANS 2001 : Standard Specification for concrete works and
SANS 10100 : The structural use of concrete.

New dolos to be cast with concrete with a 40MPa 28-day strength

A set of six cubes must be made for every fifty cubic meter (or portion thereof) of concrete poured on a specific day, 3 of the cubes must be tested at seven days, and the balance must be available for testing at 28 days.
The test results are to be submitted to the engineers immediately and should any problems be anticipated no shuttering is to be stripped until further notice from the engineer.

All concrete shall be vibrated according to specification. All concrete must be cured continuously for seven days after pouring and effectively protected against dehydration.

Coordinate System Details	
Ellipsoid	WGS 84
Datum	Hartebeesthoek 94
Projection	Gauss Conform Lo25°

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
0A	ISSUED FOR TENDER	PM	ML	ML	08-05-2026

REVISIONS

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CONTRACTOR / CONSULTANT				TRANSNET NATIONAL PORTS AUTHORITY			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
DRAWN	.		. . .	DRAWN	PM		23 02 26
CHECKED	.		. . .	CHECKED	ML		24 02 26
DESIGNED	.		. . .	DESIGNED	PM		17 02 26
CHECKED	.		. . .	CHECKED	ML		17 02 26
PR.ENG. / PR.TECH./PR. ARCH				PR.ENG. / PR.TECH./PR. ARCH			
NAME	XX		DATE	NAME	M LEITE		DATE
SIGNATURE			. . .	SIGNATURE			08 05 26
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TITLE				TITLE			
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Transnet National Ports Authority

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PORT OF PORT ELIZABETH

PORT ELIZABETH N2 FORESHORE REHABILITATION
SHORT-TERM SOLUTION

CONSTRUCTION SEQUENCE

PROJECT DRG. NO. XPE.E.0030-001-S-SE-0001-01
REV. 0A