



NOTES:

- HORIZONTAL DATUM IS MAP GRID OF AUSTRALIA IN ZONE 50, BASED ON GDA94. VERTICAL DATUM IS AUSTRALIAN HEIGHT DATUM (AHD).
- LAND SURVEYS COMPLETED IN 2017 AND PROVIDED BY CITY OF GREATER GERALDTON. BATHYMETRIC SURVEYS COMPILED FROM FUGRO LADS SURVEY 2016. THE LEVELS AND CONTOURS REFLECT THE SURFACE AT THE TIME OF SURVEY ONLY.
- CONTOURS SHOWN AT 1.0m INTERVALS.

CAD:D153210101A

REV	DATE	APPROVED	AMENDMENT	REV	DATE	APPROVED	AMENDMENT
A	04.05.18	CRD	PRELIMINARY ISSUE				

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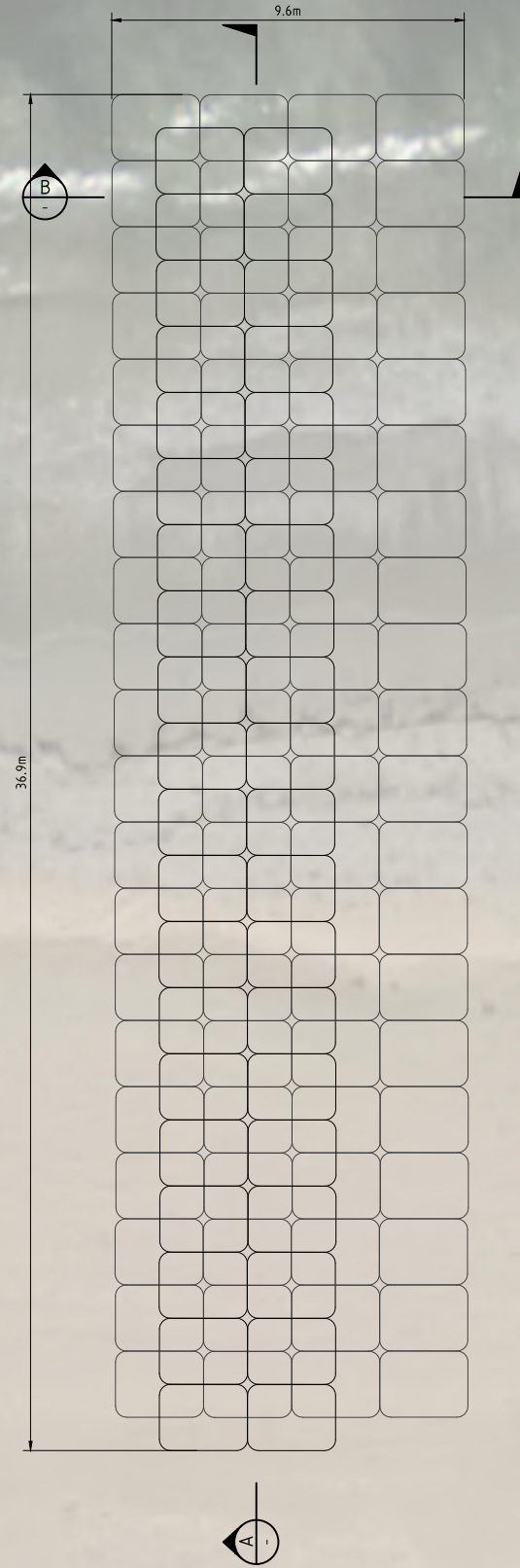
CLIENT CITY OF GREATER GERALDTON		
DESIGNED J CHEN	CHECKED C DOAK	APPROVED
DRAWN R BORJA	CHECKED C DOAK	

m p rogers & associates pl
 coastal and port engineers

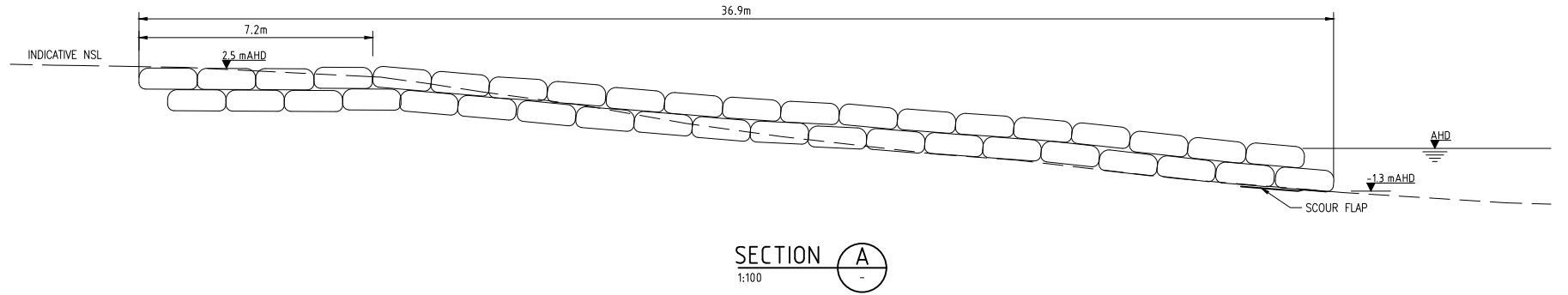
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 admin@coastsandports.com.au

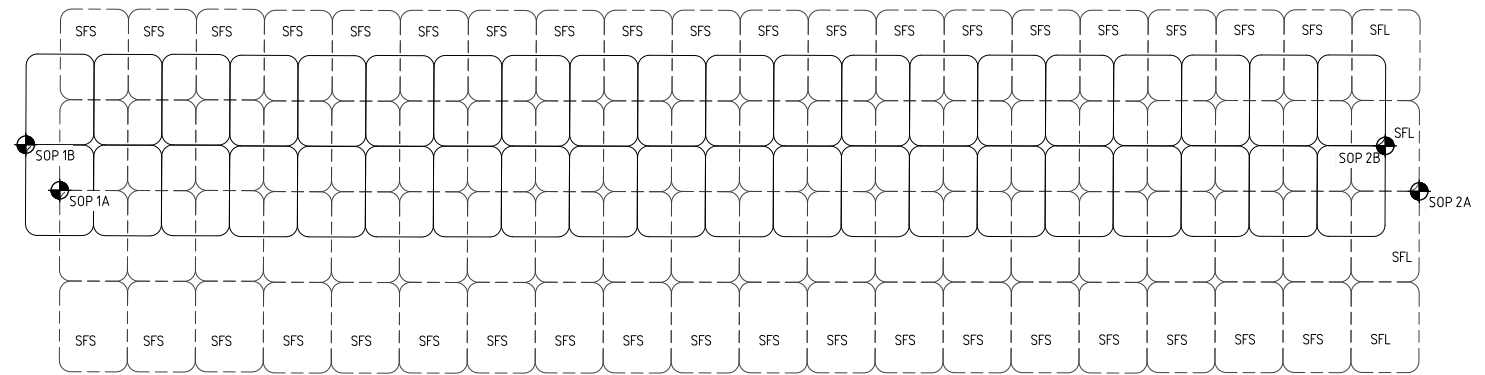
PROJECT WHITEHILL ROAD TEMPORARY COASTAL PROTECTION	TITLE GROYNE LAYOUT
SCALE AT A1 1:500	DRAWING NUMBER D15321-01-01
REV A	



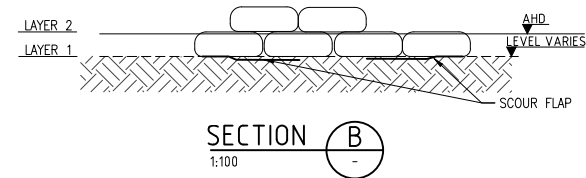
GSC GROYSNE 1 LAYOUT
1:100



SECTION A
1:100



GSC GROYSNE 1 LAYER PLAN
1:100



SECTION B
1:100

SETOUT POINTS		
SOP#	EASTING	NORTHING
1A	266,742.1	6,826,441.5
2A	266,706.3	6,826,445.1
1B	266,742.9	6,826,440.2
2B	266,707.1	6,826,443.8

GSC BAGS DETAILS		
DESIGNATION	DESCRIPTION	QUANTITY
STD	2.5m ² DOUBLE SIDED VANDAL DETERRENT	78
SFL	2.5m ² DOUBLE SIDED VANDAL DETERRENT SCOUR FLAP LONG EDGE	4
SFS	2.5m ² DOUBLE SIDED VANDAL DETERRENT SCOUR FLAP SHORT EDGE	38

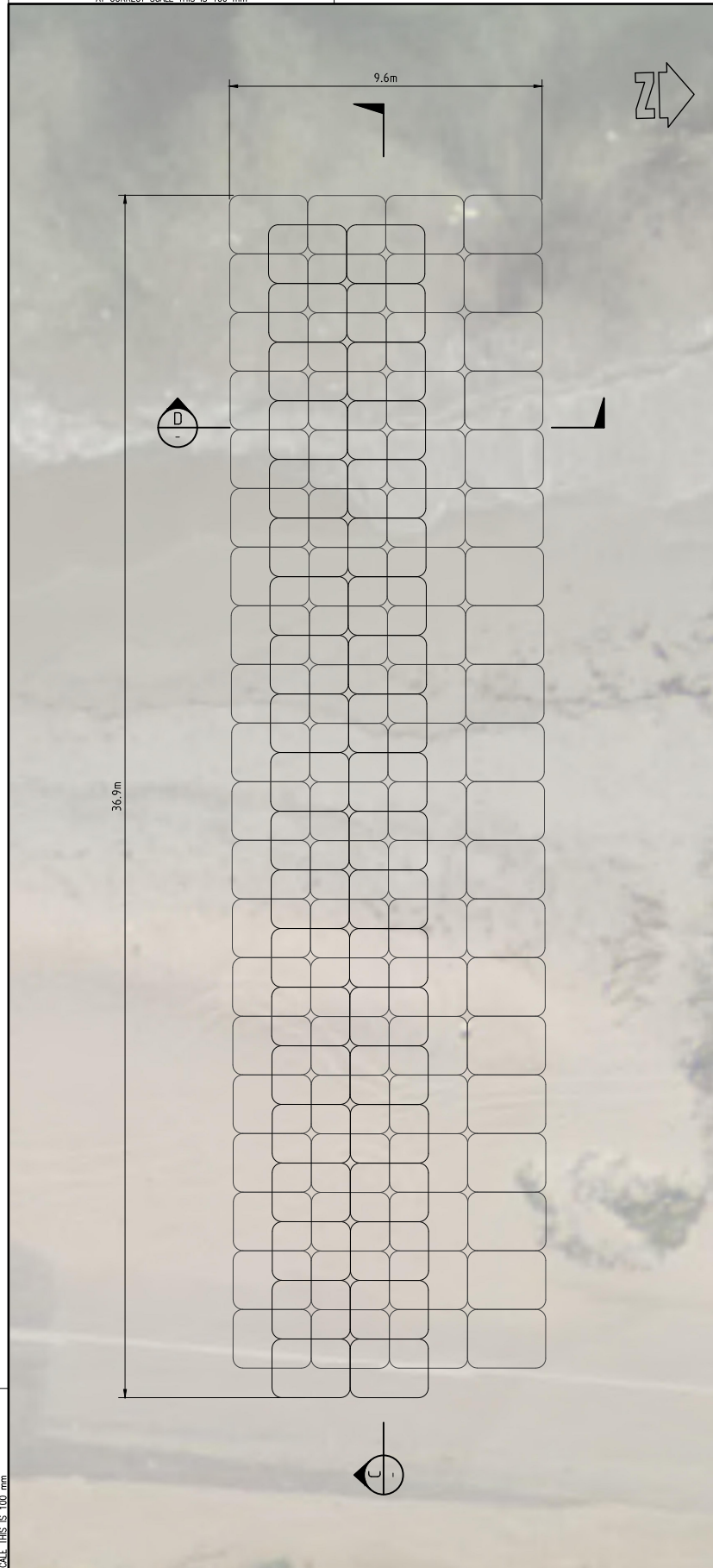
NOTES:

- EXISTING SURFACE PROFILES TAKEN FROM 2017 SURVEY PROVIDED BY CITY OF GREATER GERALDTON AND 2016 FUGRO LADS SURVEY.
- COORDINATES IN MGA94 ZONE 50.
- CONTRACTOR TO COMPLETE SURVEY PROFILE ALONG GSC GROYSNE ALIGNMENT TO CONFIRM BEACH LEVELS AND SLOPE PRIOR TO CONSTRUCTION.
- BAGS TO BE PLACED SO THAT TRUNKS AND STITCHING IS NOT EXPOSED.
- CONTAINERS TO BE STAGGERED HORIZONTALLY AND VERTICALLY BETWEEN LAYERS TO MAXIMISE INTERLOCKING.
- WHERE GSC TYPE NOT SPECIFIED DOUBLE VANDAL DETERRENT STANDARD BAGS TO BE USED.
- CONTRACTOR TO RESTORE EXISTING NSL/DUNE AFTER CONSTRUCTION.

CAD:D153210302A

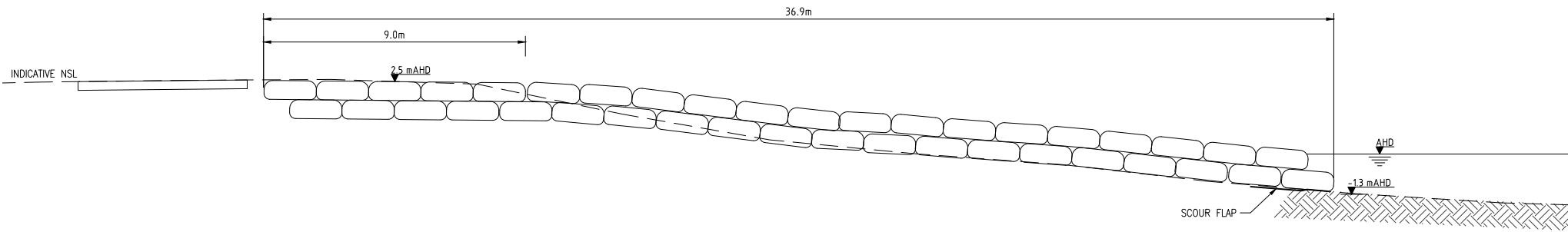
<p>CLIENT CITY OF GREATER GERALDTON</p>				<p>DESIGNED J CHEN</p>				<p>CHECKED C DOAK</p>				<p>APPROVED</p>			
<p>DRAWN R BORJA</p>				<p>CHECKED C DOAK</p>				<p>PROJECT WHITEHILL ROAD TEMPORARY COASTAL PROTECTION</p>				<p>TITLE GSC GROYSNE 1 LAYOUT & DETAILS</p>			
<p>SCALE AT A1 AS SHOWN</p>				<p>DRAWING NUMBER D15321-02-01</p>				<p>REV A</p>							

AT CORRECT SCALE THIS IS 100 mm

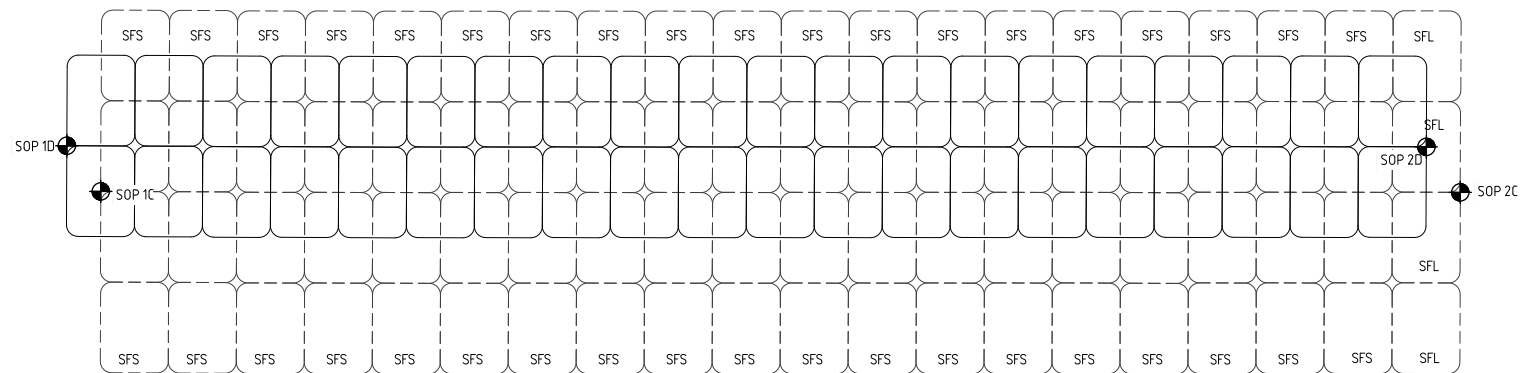


GSC GROYPNE 2 LAYOUT
1:100

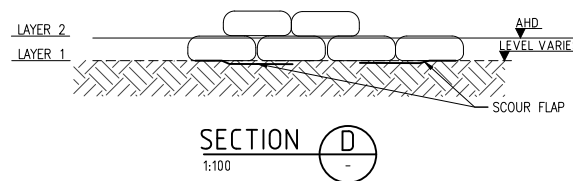
AT CORRECT SCALE THIS IS 100 mm



SECTION C
1:100



GSC GROYPNE 2 LAYER PLAN
1:100



SECTION D
1:100

SETOUT POINTS		
SOP#	EASTING	NORTHING
1C	266,751.3	6,826,567.0
2C	266,715.3	6,826,567.3
1D	266,752.2	6,826,565.7
2D	266,716.2	6,826,566.1

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CAD:D153210301A

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REV	DATE	APPROVED	AMENDMENT	REV	DATE	APPROVED	AMENDMENT	DESIGNED	J CHEN	CHECKED	C DOAK	APPROVED	SCALE AT A1	AS SHOWN	DRAWING NUMBER	D15321-02-02	REV	A					
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