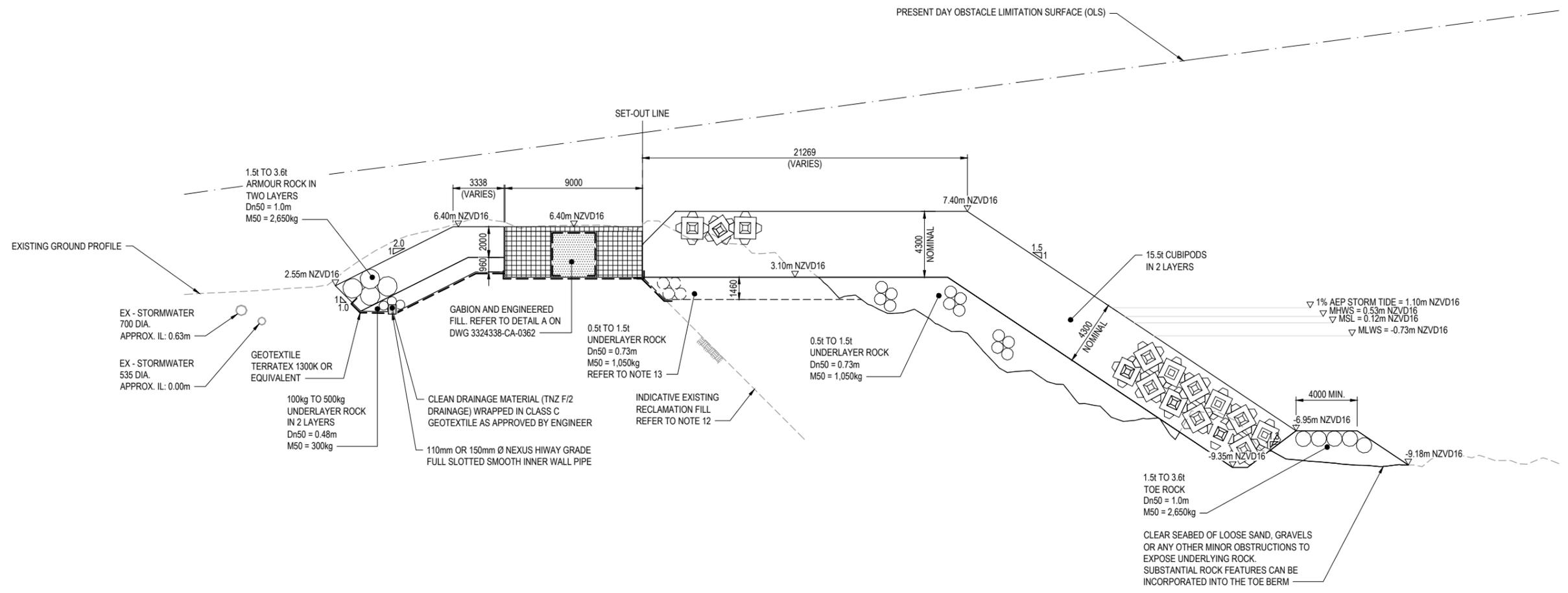


NOTES:

1. VERTICAL DATUM TO NEW ZEALAND VERTICAL DATUM 2016 (NZVD16).
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. BATHYMETRIC SURVEY DATA:
- DISCOVERY MARINE LIMITED (DML) CONDUCTED APRIL TO MAY 2021.
4. ANY EXCAVATED UNSUITABLE MATERIAL FROM THE BANK TO BE REMOVED OFF SITE AND DISPOSED OF APPROPRIATELY.



1 SECTION AT CH90 - REAR SLOPE PROTECTION AND SEAWALL
SK007 SCALE 1:150

I	FOR RESOURCE CONSENT	CFP	JH	JH	10.02.26
H	FOR RESOURCE CONSENT	CFP	JH	JH	28.07.25
G	FOR RESOURCE CONSENT	CFP	JH	JH	30.06.25
F	FOR RESOURCE CONSENT	TS	AS	JH	08.04.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A1)	Design	AS & WP	08.04.25	Approved For Construction*
AS SHOWN	Drawn	TS	08.04.25	
Reduced Scale (A3)	Design Verifier	JH	08.04.25	
HALF SHOWN	Design Check	JH	08.04.25	Date
* Refer to Revision 1 for Original Signature				



Client: **WIAL SEA DEFENCE STRUCTURES RENEWAL**

Project: **SOUTHERN SEAWALL SECTIONS SHEET 1 OF 3**

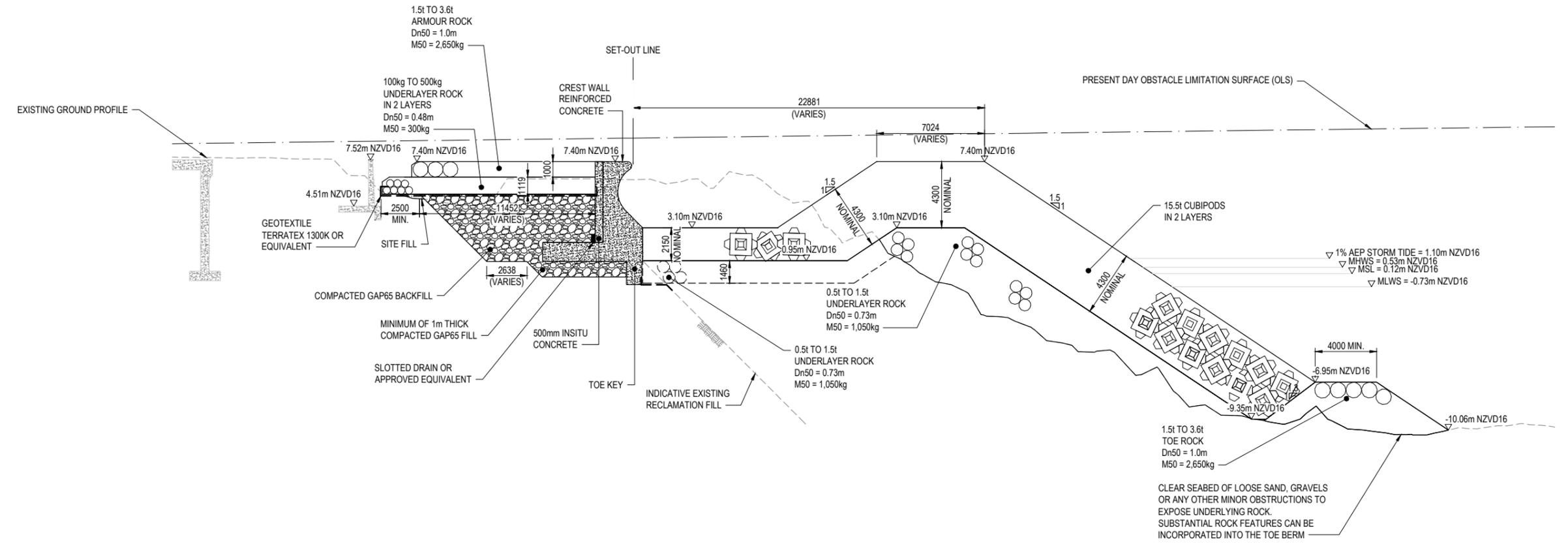
Discipline: **CIVIL ENGINEERING**
Drawing No: **3324338-CA-SK100**
Rev: **1**

RESOURCE CONSENT NOT FOR CONSTRUCTION

HAT	+0.64
MHWS	+0.53
MHWN	+0.22
MSL	-0.12
MLWN	-0.46
MLWS	-0.73
LAT	-0.83

TIDE BAR
(m NZVD16)

- NOTES:**
- VERTICAL DATUM TO NEW ZEALAND VERTICAL DATUM 2016 (NZVD16).
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - BATHYMETRIC SURVEY DATA:
- DISCOVERY MARINE LIMITED (DML) CONDUCTED APRIL TO MAY 2021.
 - UNDERLAYER ROCK WILL BE USED TO FORM AN EVEN REGULAR 1V:1.5H SLOPE. THE UNDERLAYER SURFACE MAY HAVE EXPOSED AKMON SURFACES AS WELL AS ROCK.
 - SATO CUBIPOD PLACEMENT GRID AND EXISTING PROFILE TO CONFIRM CREST DIMENSIONS.
 - DEPTH OF SAND AND GRAVEL ABOVE ROCK LEVEL VARIES FROM 0.0m TO APPROXIMATELY 0.5m TO 1m.



2 SECTION AT CH220 - SOUTHERN SEAWALL
SK007 SCALE 1:150

I	FOR RESOURCE CONSENT	CFP	JH	JH	10.02.26
H	FOR RESOURCE CONSENT	CFP	JH	JH	28.07.25
G	FOR RESOURCE CONSENT	CFP	JH	JH	30.06.25
F	FOR RESOURCE CONSENT	TS	AS	JH	08.04.25
No.	Revision	By	Chk	Appd	Date

Original Scale (A1)	Design	AS & WP	08.04.25	Approved For Construction*
AS SHOWN	Drawn	TS	08.04.25	
Reduced Scale (A3)	Design Checker	JH	08.04.25	
HALF SHOWN	Design Check	JH	08.04.25	Date

* Refer to Revision 1 for Original Signature



Client: **WIAL SEA DEFENCE STRUCTURES RENEWAL**

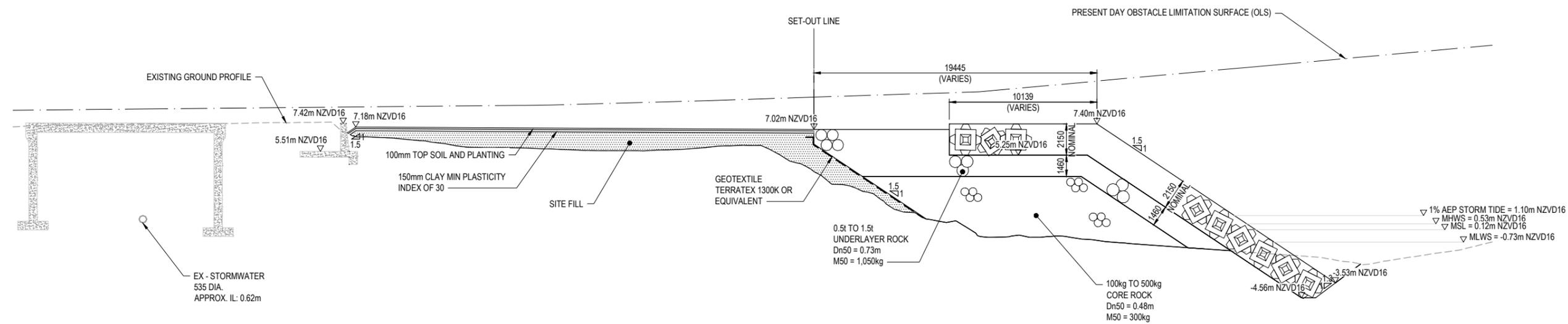
Project: **SOUTHERN SEAWALL SECTIONS SHEET 2 OF 3**

Discipline: **CIVIL ENGINEERING**
Drawing No.: **3324338-CA-SK101**
Rev: **I**

RESOURCE CONSENT
NOT FOR CONSTRUCTION

HAT	+	0.64
MHWS	+	0.53
MHWN	-	0.22
MSL	-	0.12
MLWN	-	0.46
MLWS	-	0.73
LAT	-	0.83
TIDE BAR (m NZVD16)		

- NOTES:**
- VERTICAL DATUM TO NEW ZEALAND VERTICAL DATUM 2016 (NZVD16).
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - BATHYMETRIC SURVEY DATA:
- DISCOVERY MARINE LIMITED (DML) CONDUCTED APRIL TO MAY 2021.
 - UNDERLAYER ROCK WILL BE USED TO FORM AN EVEN REGULAR 1V:1.5H SLOPE. THE UNDERLAYER SURFACE MAY HAVE EXPOSED AKMON SURFACES AS WELL AS ROCK.
 - SATO CUBIPOD PLACEMENT GRID AND EXISTING PROFILE TO CONFIRM CREST DIMENSIONS.



3 SECTION AT CH330 - SOUTHERN SEAWALL - EAST END
SK007 SCALE 1:150

K	FOR RESOURCE CONSENT	CFP	JH	JH	10.02.26	Original Scale (A1)	Design	AS & WP	08.04.25	Approved For Construction*
J	FOR RESOURCE CONSENT	CFP	JH	JH	25.08.25	AS SHOWN	Drawn	TS	08.04.25	
I	FOR RESOURCE CONSENT	CFP	JH	JH	28.07.25	Reduction Scale (A3)	Design Verifier	JH	08.04.25	
H	FOR RESOURCE CONSENT	CFP	JH	JH	30.06.25	HALF SHOWN	Dwg Check	JH	08.04.25	Date
No.	Revision	By	Chk	Appd	Date	* Refer to Revision 1 for Original Signature				



Client: **WIAL SEA DEFENCE STRUCTURES RENEWAL**

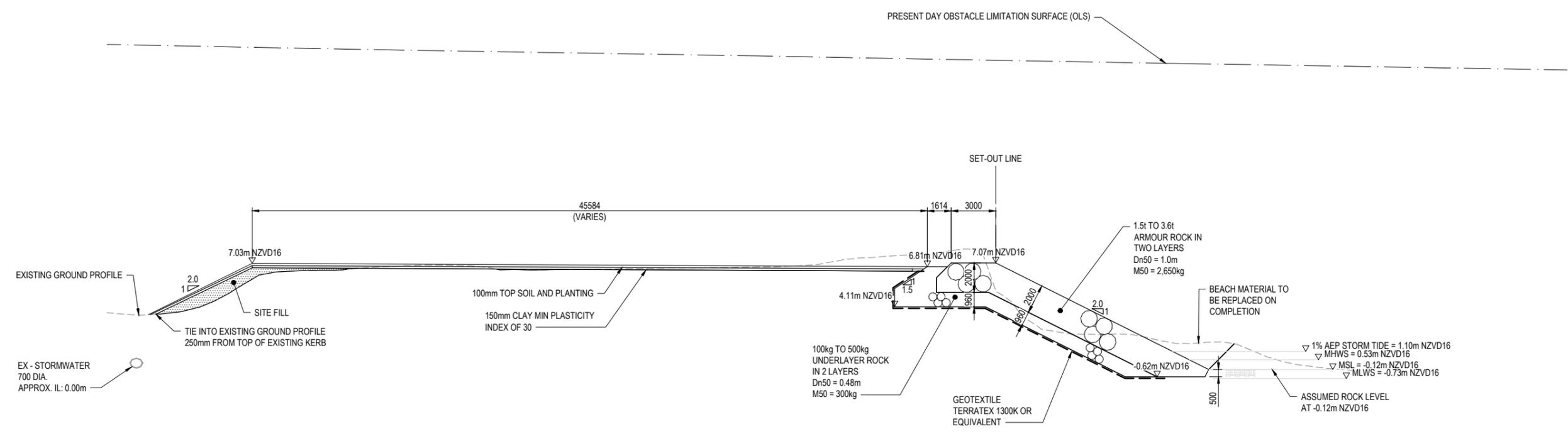
Project: **SOUTHERN SEAWALL SECTIONS SHEET 3 OF 3**

RESOURCE CONSENT NOT FOR CONSTRUCTION	
Discipline	CIVIL ENGINEERING
Drawing No.	3324338-CA-SK102
Rev.	K

HAT	+0.64
MHWS	+0.53
MHWN	+0.22
MSL	-0.12
MLWN	-0.46
MLWS	-0.73
LAT	-0.83

TIDE BAR
(m NZVD16)

- NOTES:**
- VERTICAL DATUM TO NEW ZEALAND VERTICAL DATUM 2016 (NZVD16).
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - BATHYMETRIC SURVEY DATA:
- DISCOVERY MARINE LIMITED (DML) CONDUCTED APRIL TO MAY 2021.
 - TOE TO BE A MIN. 1650 BELOW EXISTING BEACH LEVEL IF ROCK SEABED IS ENCOUNTERED KEY TOE IN BY A MIN 0.5Dn50.
 - EXISTING BANK AND HINTERLAND TO BE LANDSCAPED FOR TEMPORARY LAY DOWN AREA AND PENGUIN HABITAT IN THE EXTENTS SHOWN ON SK009.



1 SECTION AT CH 420 - EASTERN BANK REMEDIATION
SK-008 SCALE 1:150

RESOURCE CONSENT
NOT FOR CONSTRUCTION

K	FOR RESOURCE CONSENT	CFP	JH	JH	10.02.26	Original Scale (A1)	Design	AS & WP	08.04.25	Approved For Construction*
J	FOR RESOURCE CONSENT	CFP	JH	JH	25.08.25	AS SHOWN	Drawn	TS	08.04.25	
I	FOR RESOURCE CONSENT	CFP	JH	JH	28.07.25	Reduction Scale (A3)	Design Verifier	JH	08.04.25	
H	FOR RESOURCE CONSENT	CFP	JH	JH	30.06.25	HALF SHOWN	Design Check	JH	08.04.25	Date
No.	Revision	By	Chk	Appd	Date		* Refer to Revision 1 for Original Signature			



Client: **WIAL SEA DEFENCE STRUCTURES RENEWAL**

Title: **EASTERN BANK REHABILITATION SECTION**

Discipline	CIVIL ENGINEERING
Drawing No.	3324338-CA-SK104
Rev.	K