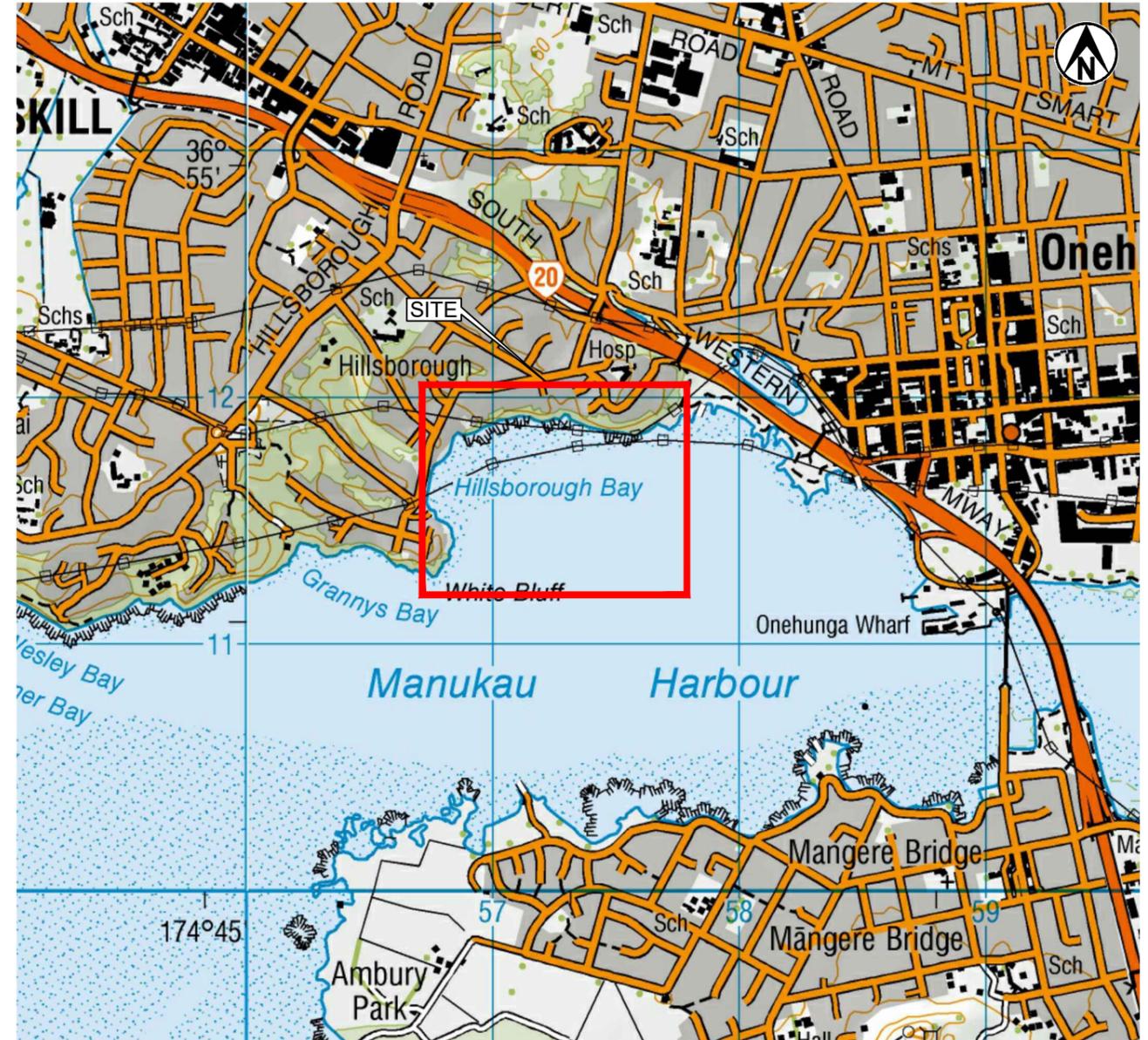


WATERCARE SERVICES LIMITED PUMP STATION 23 ECOLOGICAL ENHANCEMENT Draft Consent Level Design Issue

DRAWING

Rev Title

- | | | |
|--------------------|---|----------------------------------|
| • 1015172.1600-000 | 1 | DRAWING LIST AND LOCALITY PLAN |
| • 1015172.1600-001 | 1 | EXISTING LAYOUT |
| • 1015172.1600-002 | 1 | PROPOSED LAYOUT |
| • 1015172.1600-003 | 1 | PROPOSED SECTIONS - SHEET 1 OF 2 |
| • 1015172.1600-004 | 1 | PROPOSED SECTIONS - SHEET 2 OF 2 |



TOPOMAP SOURCED FROM LINZ DATA SERVICE <https://data.linz.govt.nz/layer/50767-nz-topo50-maps/>, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 09/08/2022.

LOCALITY PLAN

SCALE 1:25,000

- Denotes drawing this issue: 07/10/2022



Exceptional thinking together www.tonkintaylor.co.nz

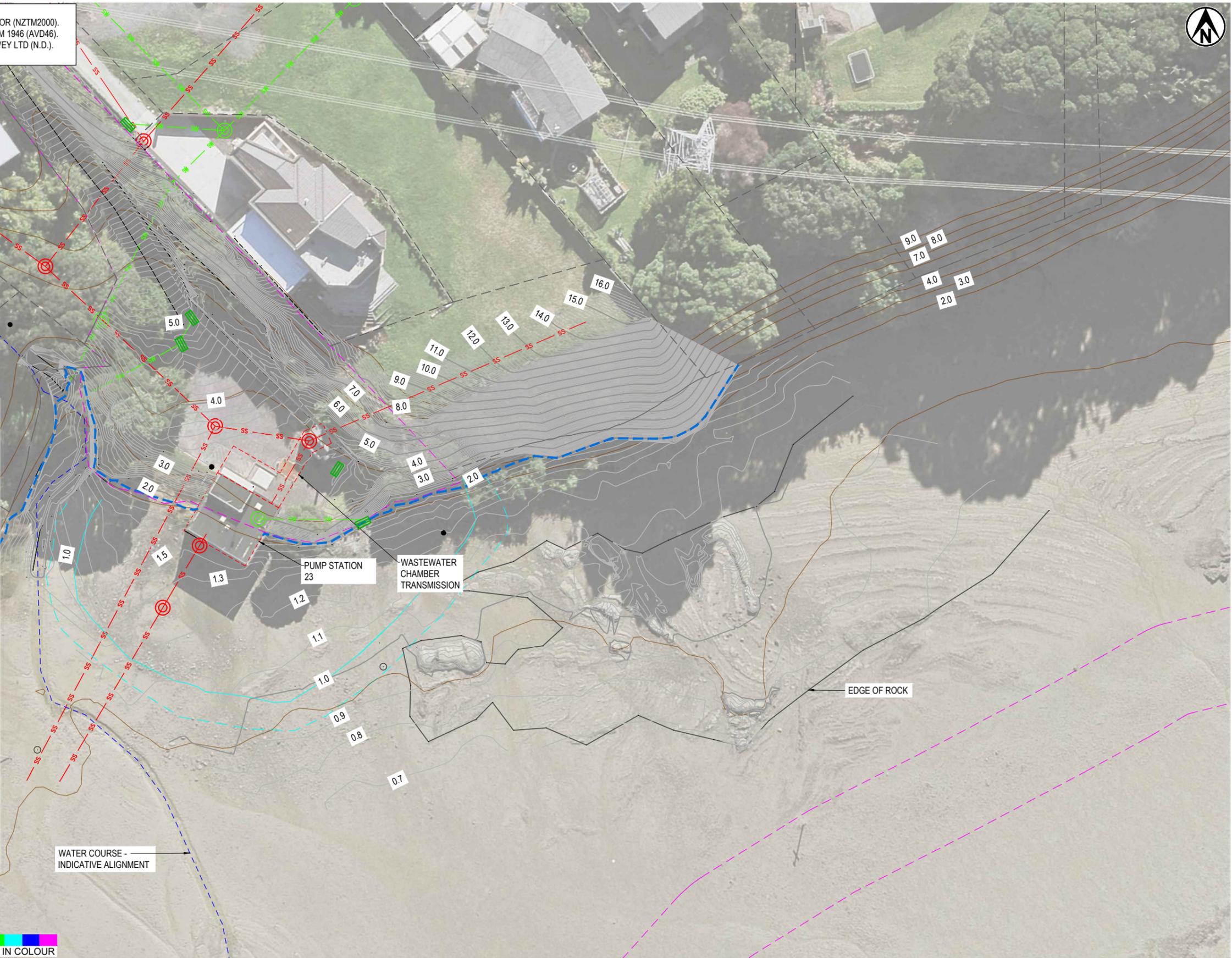
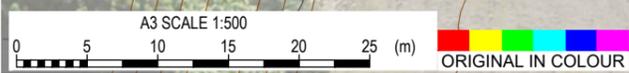
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					DRAWN	CHLI	Aug.22			
					DESIGN CHECKED	PWQ	Oct.22	TITLE		
					DRAWING CHECKED	JC	Oct.22	ECOLOGICAL ENHANCEMENT WORKS		
					NOT FOR CONSTRUCTION			DRAWING LIST AND LOCATION PLAN		
					THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED			SCALE (A3) 1:25000		
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE	DWG No. 1015172.1600-000		REV	1

- NOTES:
1. COORDINATE SYSTEM IS IN NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
 2. LEVELS ARE IN METRES RELATIVE TO AUCKLAND VERTICAL DATUM 1946 (AVD46).
 3. CONTOURS EXISTING SERVICES SOURCED FROM LAND AND SURVEY LTD (N.D.).
 4. AERIAL SOURCED FROM GOOGLE EARTH (2022).



LEGEND

- EXISTING MAJOR CONTOURS FROM LANDS AND SURVEY LTD (1m INTERVALS)
- EXISTING CONTOURS FROM LANDS AND SURVEY LTD (0.1m INTERVALS)
- EXISTING CONTOURS (LINZ LIDAR (2013))
- WATERCARE DESIGNATIONS
- TOP OF BATTER OF TEMPORARY CONSTRUCTION PLATFORM
- BOTTOM OF BATTER OF TEMPORARY CONSTRUCTION PLATFORM
- PROPERTY BOUNDARIES
- STORMWATER WATER COURSE
- MHWS LINE (1.9 m AVD46)
- EDGE OF ROCK
- BUILDING EXTENT
- EXISTING STORMWATER MANHOLE
- EXISTING WASTEWATER MANHOLE
- EXISTING CESSPIT
- EXISTING STAKES
- EXISTING DRAINAGE CULVERT
- EXISTING SANITARY SEWER LINES
- EXISTING STORMWATER LINES



DESIGNED	COVA	Aug.22	DRAWING STATUS	CLIENT	WATERCARE SERVICES LIMITED				
DRAWN	CHLI	Aug.22	DRAFT CONSENT LEVEL DESIGN	PROJECT	PUMP STATION 23 ECOLOGICAL ENHANCEMENT				
DESIGN CHECKED	PWQ	Oct.22		TITLE	ECOLOGICAL ENHANCEMENT WORKS				
DRAWING CHECKED	JC	Oct.22		EXISTING LAYOUT					
NOT FOR CONSTRUCTION			THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE	SCALE (A3)	DWG No.	REV
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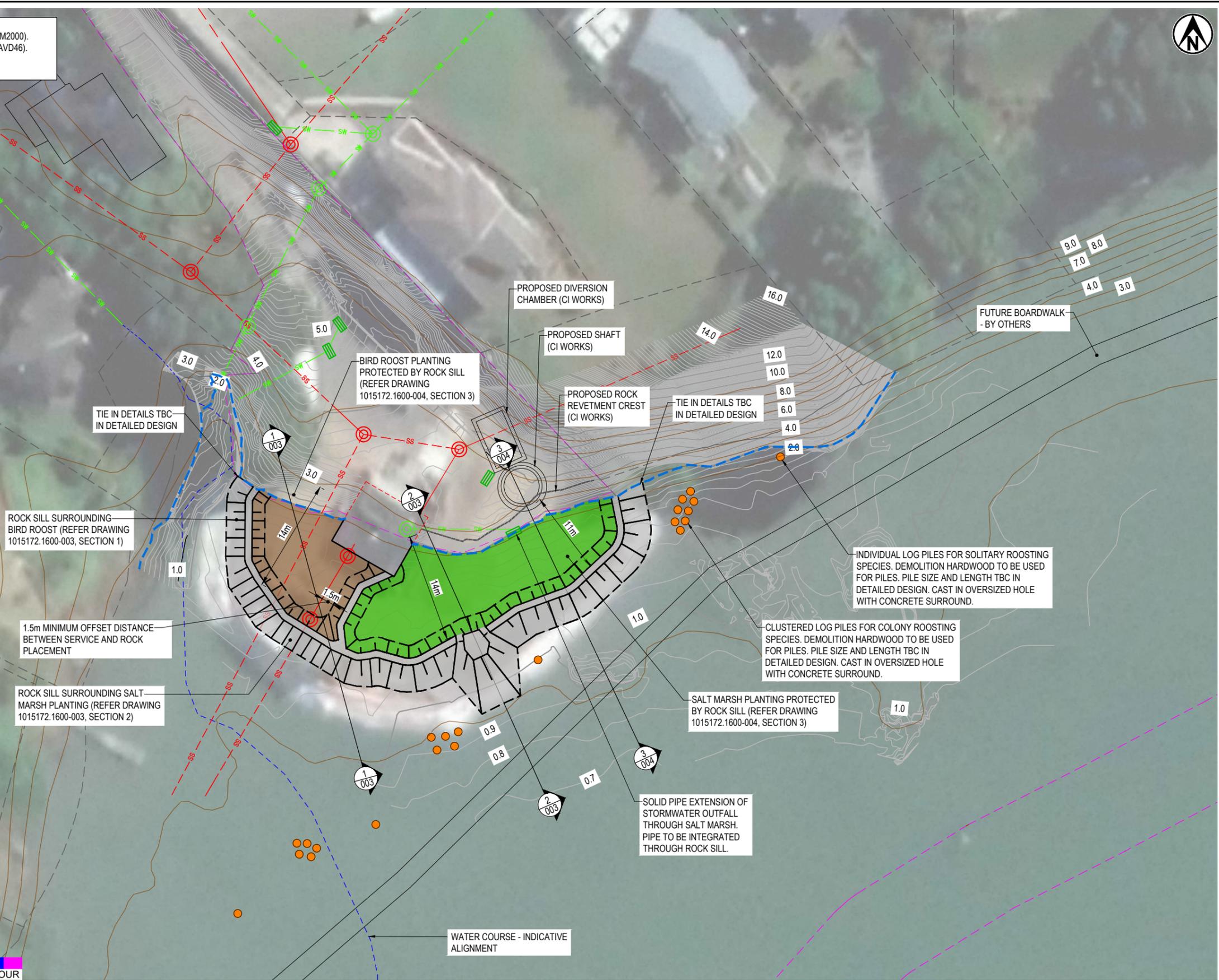
NOTES:
 1. COORDINATE SYSTEM IS IN NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000).
 2. LEVELS ARE IN METRES RELATIVE TO AUCKLAND VERTICAL DATUM 1946 (AVD46).
 3. CONTOURS SOURCED FROM LAND AND SURVEY LTD (N.D.).
 4. AERIAL SOURCED FROM GOOGLE EARTH (2022).

LEGEND

- EXISTING STORMWATER MANHOLE
- EXISTING WASTEWATER MANHOLE
- EXISTING CESSPIT
- LOG PILES (INDICATIVE)
- PROPOSED SALT MARSH VEGETATION
- PROPOSED ROCK SILL
- PROPOSED BIRD ROOST

LEGEND

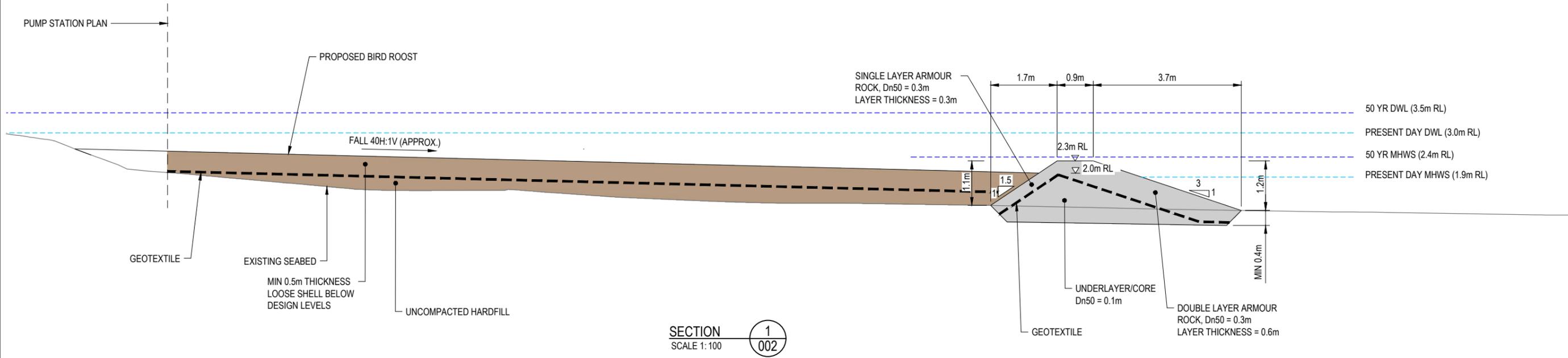
- EXISTING MAJOR CONTOURS FROM LANDS AND SURVEY LTD (1m INTERVALS)
- EXISTING CONTOURS FROM LANDS AND SURVEY LTD (0.1m INTERVALS)
- EXISTING CONTOURS (LINZ LIDAR (2013))
- WATERCARE DESIGNATIONS
- TOP OF BATTER OF TEMPORARY CONSTRUCTION PLATFORM
- BOTTOM OF BATTER OF TEMPORARY CONSTRUCTION PLATFORM
- PROPERTY BOUNDARIES
- STORMWATER WATER COURSE
- MHWS LINE (1.9 m AVD46)
- EDGE OF ROCK
- BUILDING EXTENT
- PROPOSED ROCK CREST EXTENT
- PROPOSED ROCK TOE EXTENT
- PROPOSED ROCK REVETMENT (CI WORKS)
- EXISTING SANITARY SEWER LINES
- EXISTING STORMWATER LINES



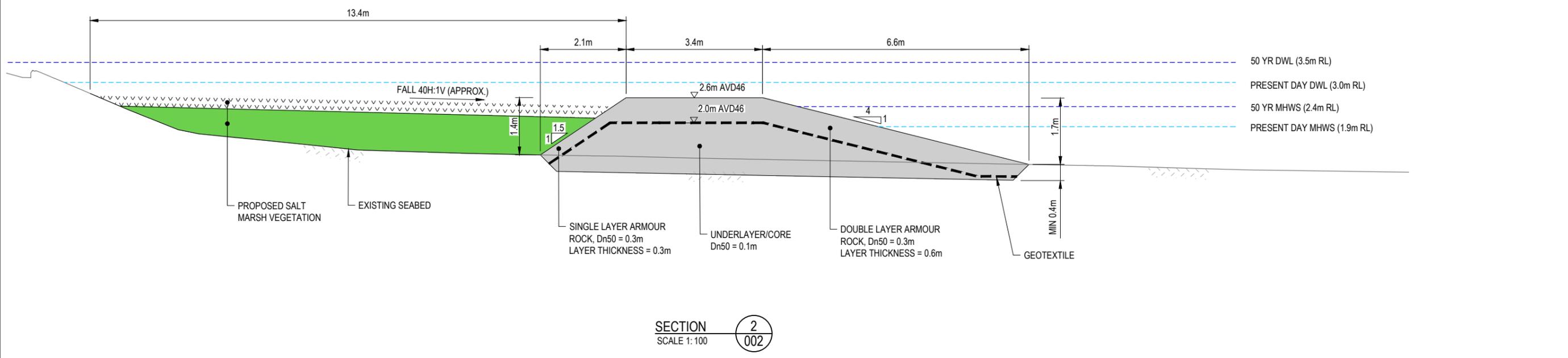
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DRAWN	COVA	Aug.22	DRAFT CONSENT LEVEL DESIGN	PROJECT	PUMP STATION 23 ECOLOGICAL ENHANCEMENT	
DESIGN CHECKED	PWQ	Oct.22		TITLE	ECOLOGICAL ENHANCEMENT WORKS PROPOSED LAYOUT	
DRAWING CHECKED	JC	Oct.22		SCALE (A3)	1:500	
NOT FOR CONSTRUCTION			THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED			
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE
1	DRAFT CONSENT LEVEL DESIGN ISSUE	COVA	PWQ	07.10.22		

CLIENT	WATERCARE SERVICES LIMITED
PROJECT	PUMP STATION 23 ECOLOGICAL ENHANCEMENT
TITLE	ECOLOGICAL ENHANCEMENT WORKS PROPOSED LAYOUT
SCALE (A3)	1:500
DWG No.	1015172.1600-002
REV	1

NOTES:
 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. LEVELS ARE IN METRES RELATIVE TO AUCKLAND VERTICAL DATUM 1946 (AVD46).
 3. ECOLOGICAL ENHANCEMENT EXTENTS AND LOCATION CONCEPT ONLY, SUBJECT TO CHANGE DURING DETAILED DESIGN.



SECTION 1
SCALE 1:100



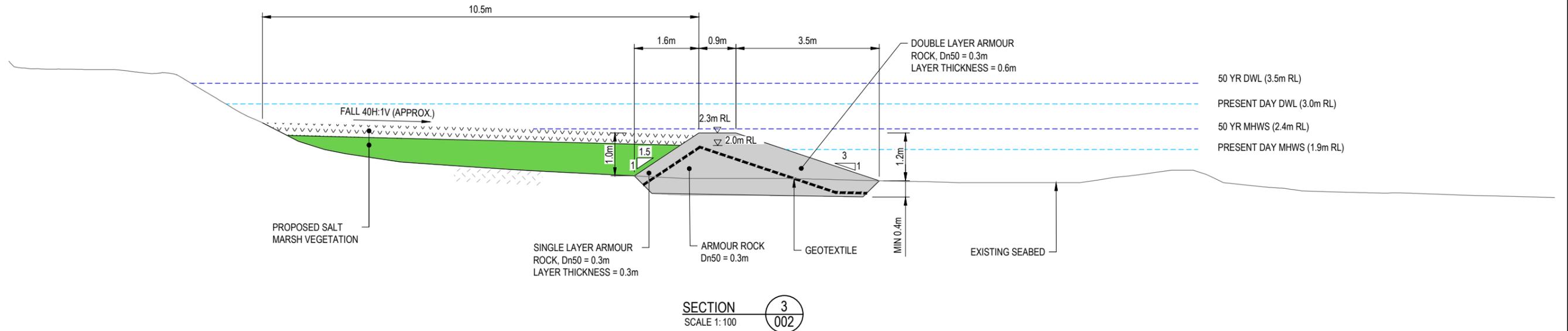
SECTION 2
SCALE 1:100



DESIGNED	COVA	Aug.22	DRAWING STATUS DRAFT CONSENT LEVEL DESIGN			
DRAWN	COVA	Aug.22				
DESIGN CHECKED	PWQ	Oct.22				
DRAWING CHECKED	JC	Oct.22				
NOT FOR CONSTRUCTION						
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
1	DRAFT CONSENT LEVEL DESIGN ISSUE	COVA	PWQ	07.10.22	APPROVED	DATE

CLIENT	WATERCARE SERVICES LIMITED
PROJECT	PUMP STATION 23 ECOLOGICAL ENHANCEMENT
TITLE	ECOLOGICAL ENHANCEMENT WORKS PROPOSED SECTIONS - SHEET 1 OF 2
SCALE (A3)	1:100
DWG No.	1015172.1600-003
REV	1

NOTES:
 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. LEVELS ARE IN METRES RELATIVE TO AUCKLAND VERTICAL DATUM 1946 (AVD46).
 3. ECOLOGICAL ENHANCEMENT EXTENTS AND LOCATION CONCEPT ONLY, SUBJECT TO CHANGE DURING DETAILED DESIGN.



DESIGNED	COVA	Aug.22	DRAWING STATUS DRAFT CONSENT LEVEL DESIGN			
DRAWN	COVA	Aug.22				
DESIGN CHECKED	PWQ	Oct.22				
DRAWING CHECKED	JC	Oct.22				
NOT FOR CONSTRUCTION						
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE
1	DRAFT CONSENT LEVEL DESIGN ISSUE	COVA	PWQ	07.10.22		

CLIENT	WATERCARE SERVICES LIMITED
PROJECT	PUMP STATION 23 ECOLOGICAL ENHANCEMENT
TITLE	ECOLOGICAL ENHANCEMENT WORKS PROPOSED SECTIONS - SHEET 2 OF 2
SCALE (A3)	1:100
DWG No.	1015172.1600-004
REV	1