

ATLANTIC PILOTAGE AUTHORITY

HERRING COVE BREAKWATER REPLACEMENT

CONTRACT NO. 190248.00

ADDENDUM NO. 1

February 28, 2020

(To be added to and made part of the Tender Documents)

The following changes or modifications shall be made to the Tender Documents:

TO THE SPECIFICATIONS

SECTION 00 21 00 – DESCRIPTION OF WORK AND LIST OF DRAWINGS

Page 1, add subsection 1.1.8 as follows:

- .8 Remove large stones which are on the concrete walkway (leading onto the existing breakwater) and on the existing breakwater deck, to the satisfaction of the Consultant. Leave stones which are to remain with stable slopes.

SECTION 00 21 13 – INFORMATION TO TENDERERS

Page 1, subsection 2., delete lines 6, 7, and 8 and replace with the following:

and must be delivered to the following address **up until 2:00 p.m.**, local time, on **Friday, March 6th, 2020**, hereinafter referred to as the Tender Closing.

SECTION 01 22 00 – MEASUREMENT AND PAYMENT

Page 2, PART 2, subsection 3., delete lines 3 and 4, and replace with the following:

This item includes: Installation of new timber wheelguard, removal and off-site disposal of timber crib, ballast and hardware as shown on the drawings.

SECTION 35 31 23 – ARMOUR STONE AND FILTER STONE

Page 3, subsection 1.6.1.2., delete lines 8, 9, and 10 and replace with the following:

<u>Armour Stone Class</u>	<u>Number of Armour</u>
<u>Designation</u>	<u>Stone Pieces</u>
2.0 to 5.0 tonne	24
5.0 to 7.0 tonne	24
7.0 to 10.0 tonne	24

Page 4, delete subsection 1.6.2.2, and replace with the following:

- .2 Quality Assurance gradation tests for filter stone will be undertaken in accordance with Article 1.6.1.2 above, random sample to consist of 24 stones. Alternative methods may be considered, subject to approval by the Consultant.

Page 4, delete subsection 1.6.3, and replace with the following:

- .3 Provide loaders, certified scales, other equipment, and operators of such equipment as required to gather samples and measure/weigh each individual stone. Notify Consultant and allow access for Consultant to witness sampling. Methods used to weigh each individual stone must be accurate to ± 5 kg for stones larger than 50 kg, and to ± 0.5 kg for stones smaller than 50 kg.

TO THE DRAWINGS

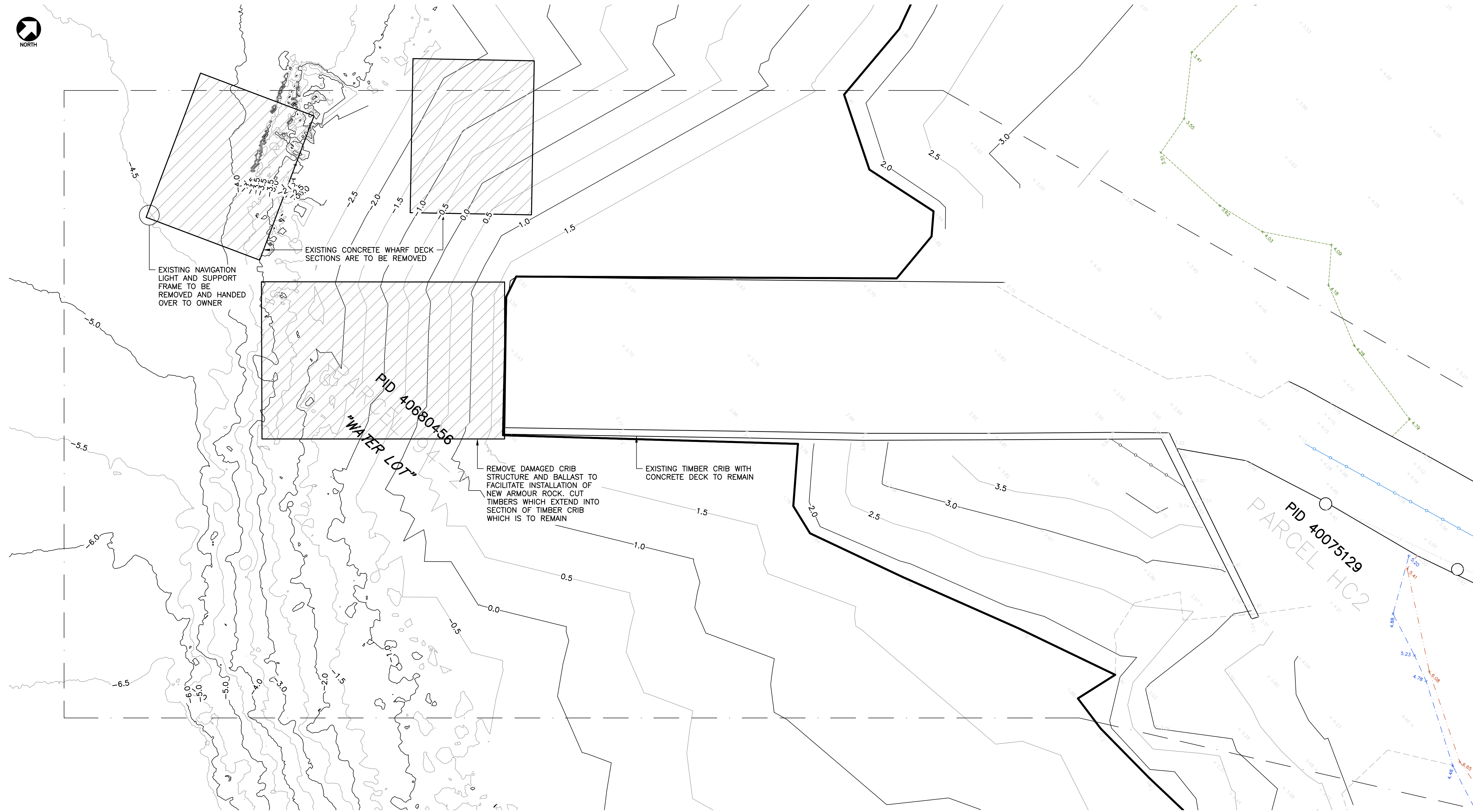
DRAWING S01 EXISTING CONDITIONS AND REMOVALS

Replace with attached Drawing S01 – EXISTING CONDITIONS AND REMOVALS, elevation marks added to plan contours, Re-Issued for Tender, dated Feb. 28/20.

DRAWING S02 NEW BREAKWATER PLAN AND SECTIONS

Replace with attached Drawing S02 – NEW BREAKWATER PLAN AND SECTION, elevation marks added to plan contours, Re-Issued for Tender, dated Feb. 28/20.

CBCL Limited
February 28, 2020



PLAN
1:100

GENERAL NOTES:

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT OF NOVA SCOTIA.
2. PERIODIC & DISCRETIONARY SITE OBSERVATIONS ARE MADE AT THE JOB SITE BY THE ENGINEER AND ARE NECESSARILY LIMITED IN SCOPE TO OBSERVATION OF WORK IN PROGRESS AT THE TIME OF THE SITE OBSERVATION. THESE SITE OBSERVATIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROVIDE CONTINUOUS ON-SITE SUPERVISION OF ALL STRUCTURAL WORK TO ENSURE THAT BOTH THE INTENT AND DETAILS OF THE DRAWINGS & SPECIFICATIONS ARE BEING FOLLOWED.
3. CONTRACTOR TO REVIEW DRAWINGS, VISIT SITE, VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING ANY WORK UNDER THIS PROJECT.
4. NO ALTERATIONS TO STRUCTURAL DETAILS SHALL BE MADE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. CONSTRUCTION ERRORS ARE TO BE DOCUMENTED AND REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH SUBSEQUENT WORK.
5. CONTRACTOR IS RESPONSIBLE FOR SECURITY AND SAFETY OF SITE DURING WORK OF THIS PROJECT. PROVIDE AND MAINTAIN ALL BARRICADES, HOARDING, SIGNAGE AND OTHER FACILITIES AS REQUIRED TO ENSURE PUBLIC SAFETY.
6. CONTRACTOR TO TAKE PRECAUTIONS TO ENSURE ENVIRONMENTAL SAFETY. DEMOLITION DEBRIS, CONSTRUCTION DEBRIS, AND CONSTRUCTION RUNOFF ARE NOT PERMITTED TO ENTER THE OCEAN. REMOVE DEBRIS FROM SITE AT THE END OF EACH WORK DAY.
7. ELEVATIONS SHOWN ARE BASED ON CHART DATUM (LOWER LOW WATER LARGE TIDE) ESTABLISHED AT 1.4 METERS BELOW THE CANADIAN GEODETIC VERTICAL DATUM OF 2013 DETERMINED BY GNSS OBSERVATIONS.
8. TOPOGRAPHIC SURVEY WAS CARRIED OUT ON OCTOBER 30, 2019.
9. BATHYMETRY INFERRED FROM CHART AND LOCAL SURVEY, TO BE VERIFIED PRIOR TO CONSTRUCTION.
10. BOUNDARY LINES SHOWN HERON ARE BASED ON SERVANT, DUNBRACK, MCKENZIE & MACDONALD LTD. PLAN NO 13-920-0 DATED MARCH 30, 1994.
11. SERVICE INFORMATION SHOWN WAS COMPILED FROM FIELD SURVEY AND DATA OBTAINED FROM VARIOUS UTILITY OPERATORS. THE EXACT LOCATION OF UNDERGROUND SERVICES IS NOT CONFIRMED. CONTACT SHOULD BE MADE WITH ALL UTILITY OPERATORS RELATING TO THE CONFIRMATION OF THE SERVICES SHOWN HERON AND FOR OTHER SERVICES WHICH MAY EXIST BEFORE CONSTRUCTION COMMENCES.
12. HIGHER HIGH WATER LARGE TIDE (HHWLT): +2.1m.
13. LOWER LOW WATER LARGE TIDE (LLWLT): 0.0m.

No.	Description	Date	By
1	RE-ISSUED FOR TENDER	FEB 28/20	JM
0	ISSUED FOR TENDER	FEB 17/20	JM

Revision or Issue
ATLANTIC PILOTAGE AUTHORITY
HERRING COVE
BREAKWATER REPLACEMENT

MARINE
EXISTING CONDITIONS AND REMOVALS

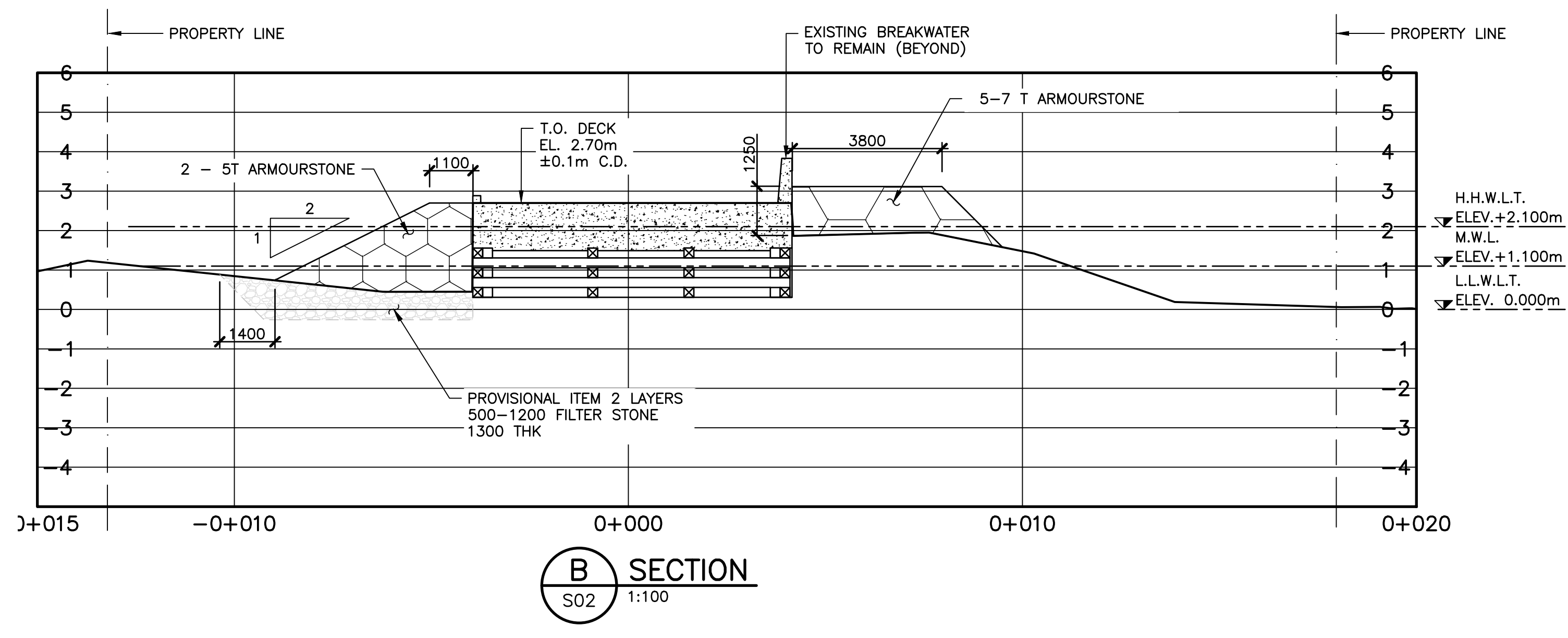
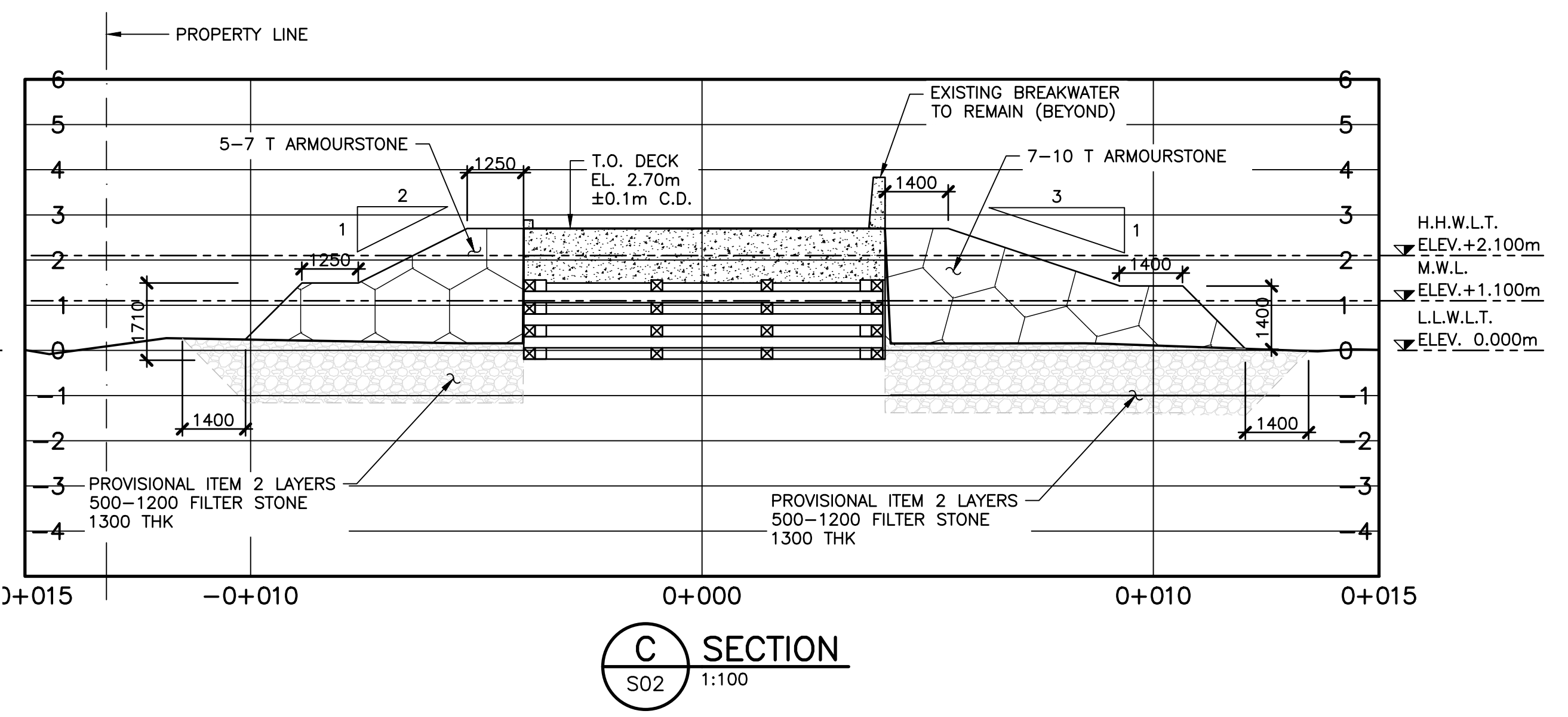
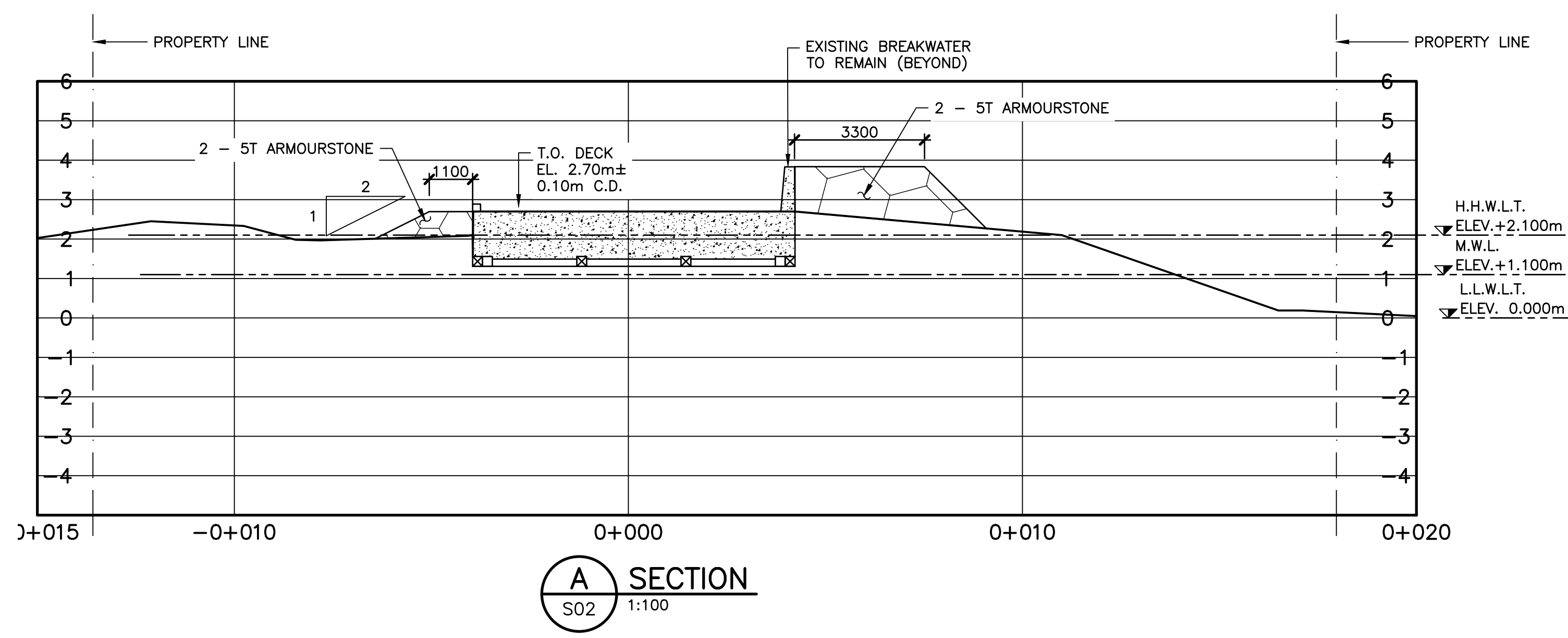
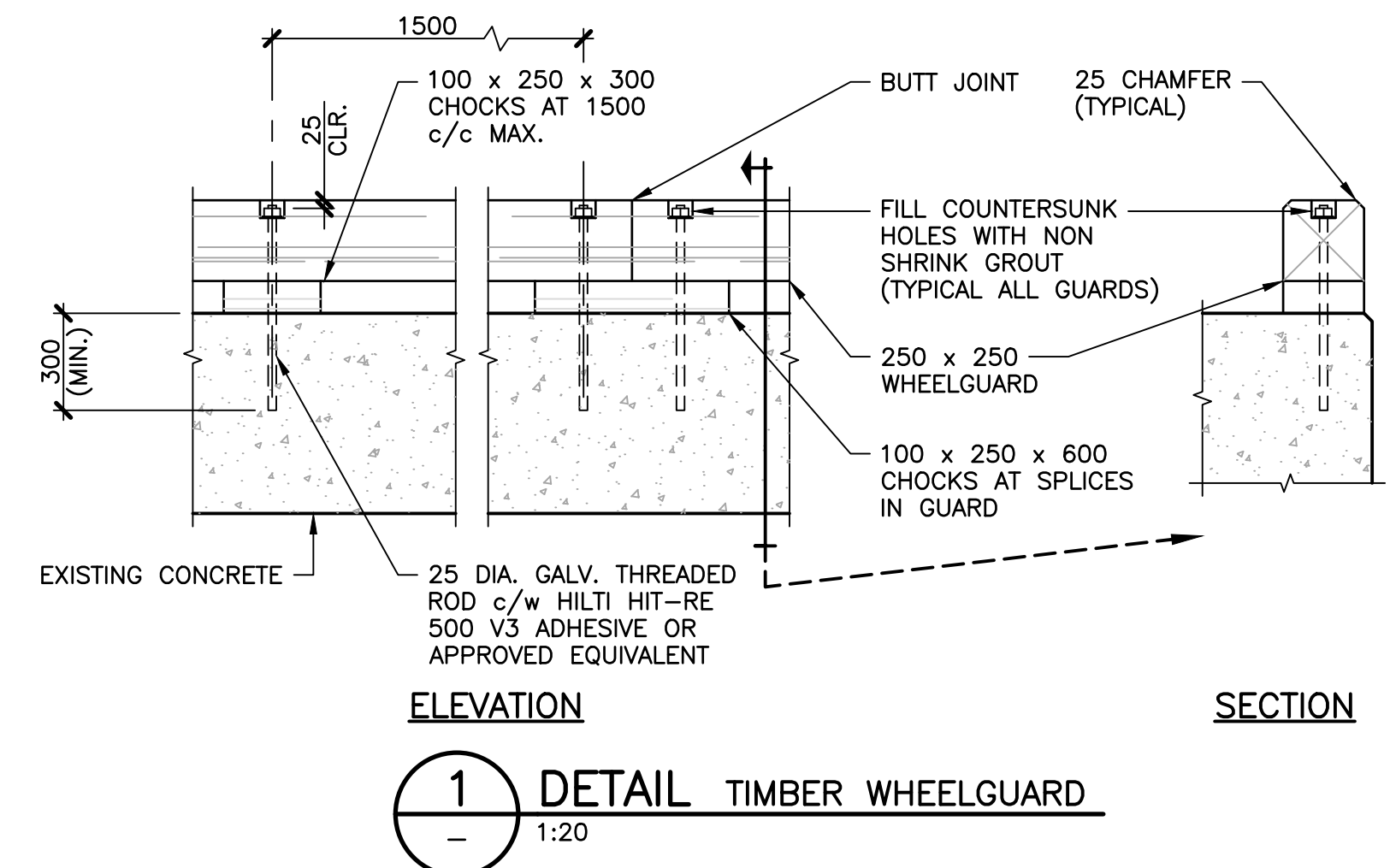
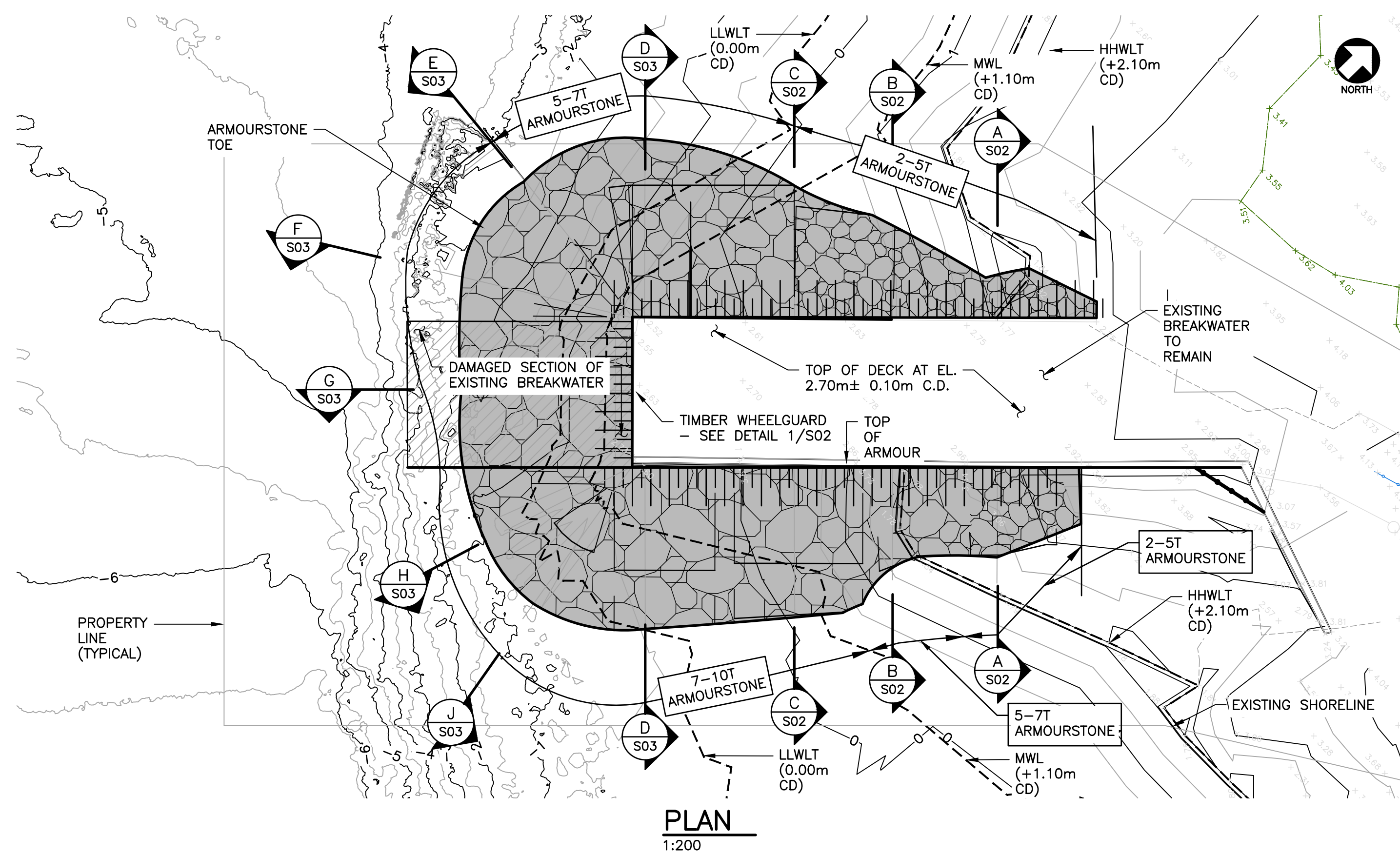


CBCL No 190248.00	Contract No -	Date JAN 2020	Scale AS NOTED
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DESIGNED GM	DRAWN MB
CHECKED DK/GM	APPROVED VL
Sheet No 1 of 3	
Drawing No S01	

S01

DRAWING NAME: HERRING COVE BREAKWATER REPLACEMENT\00 CAD\03 STRUCT\190248.00 - S01.DWG LAYOUT NAME: S01 DDATE: FEBRUARY 27, 2020 8:55:36 AM CAD OPERATOR: MCKENZIE



NOTE:

- FOR GENERAL NOTES - SEE DRAWING S01.
- PRIOR TO COMMENCING PLACEMENT OF ARMOURSTONE, THE CONTRACTOR IS TO DETERMINE THE EXISTING HARBOUR BOTTOM CONDITIONS; IN CONSULTATION WITH THE ENGINEER. SHOULD THE ENGINEER DETERMINE THE EXISTING HARBOUR BOTTOM IS NOT SUITABLE FOR PLACING ARMOURSTONE, THE CONTRACTOR IS TO EXCAVATE/DISPOSE OF THE UNSUITABLE MATERIALS AND PLACE FILTERSTONE, AS DIRECTED BY THE ENGINEER.

TREATED TIMBER:

- DIMENSION TIMBER TO BE GRADED AND STAMPED TO NATIONAL LUMBER GRADING AUTHORITY (NGLA) NO.1 STRUCTURAL. ONLY EASTERN HEMLOCK, WESTERN HEMLOCK, OR DOUGLAS FIR SPECIES WILL BE ACCEPTED.
- ALL TIMBER TO RECEIVE PRESERVATIVE TREATMENT TO CAN/CSA-080 SERIES FOR MARINE CONSTRUCTION IN COASTAL WATERS. PRESERVATIVE TREATMENT TO BE CCA (CHROMATED COPPER ARSENATE) WATER-BORNE FOR MARINE ENVIRONMENT, IN ACCORDANCE WITH CAN/CSA 080 SERIES 15 - WOOD PRESERVATION.
 - TREAT BOREHOLE USING A PRESSURIZED CONTAINER WITH AN EXTENSION ROD TO PRODUCE A FINE SPRAY IN THE HOLES WITH ONE APPLICATION.
 - TREAT FIELD CUTS AND ANY ABRASIONS WITH MIN. OF TWO LIBERAL APPLICATIONS USING EITHER SPRAY OR BRUSH.
 - IN ADDITION, FIELD CUTS AND UNDERWATER DAMAGED AREAS WILL RECEIVE A COATING OF PLASTIC COMPOUND, CAPPED WITH LEAD FLASHING SECURED WITH GALVANIZED ROOFING NAILS. PLASTIC COMPOUND NOT TO BE WATER SOLUBLE.
- BORE HOLES FOR MACHINE BOLTS SAME DIAMETER AS BOLT AND HOLES FOR DRIFT BOLTS TO BE 1.5mm SMALLER THAN DIAMETER OF BOLT. ALL HOLES TO RECEIVE TWO COATS OF COPPER NAPHTHENATE ALLOWING SUFFICIENT TIME BETWEEN APPLICATIONS TO PERMIT TOTAL ABSORPTION.

No.	Description	Date	By
1	RE-ISSUED FOR TENDER	FEB 28/20	JM
0	ISSUED FOR TENDER	FEB 14/20	JM

Revision or Issue

ATLANTIC PILOTAGE AUTHORITY
HERRING COVE
BREAKWATER REPLACEMENT

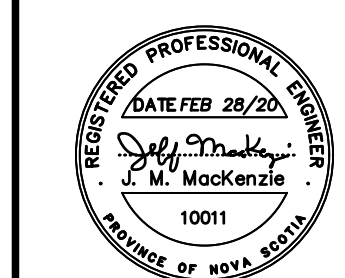
MARINE

NEW BREAKWATER PLAN AND SECTIONS

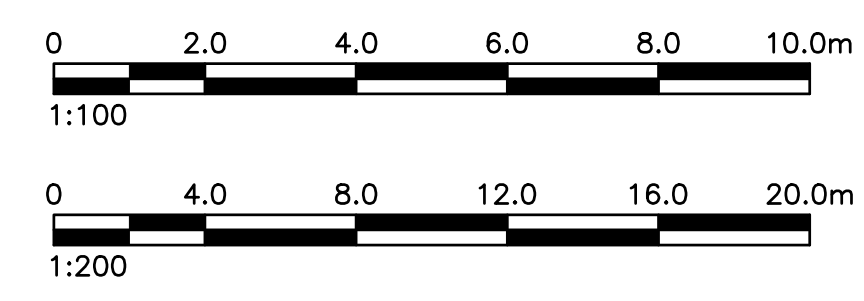


CBCL No.	Contract No.	Date	Scale
190248.00	-	NOV 2019	AS NOTED

Designed	Drawn
GM	MB/MC
Checked	Approved
DK/GM	VL
Sheet No.	2 of 3
Drawing No.	10011



S02



DRAWING NAME: HERRING COVE BREAKWATER REPLACEMENT\20 CAD\03 STRUCT\190248.00 - S02-S03.DWG LAYOUT NAME: S02 ELOT DATE: February 27, 2020 9:58:43 AM CAD OPERATOR: MICHELLEH