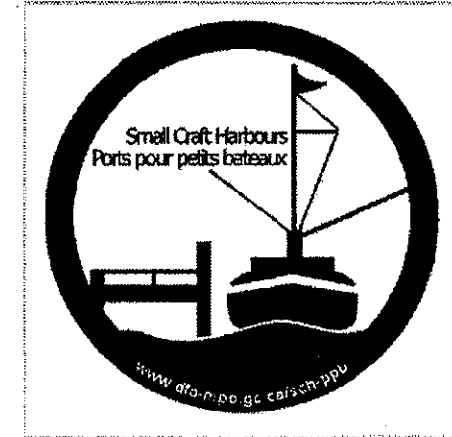


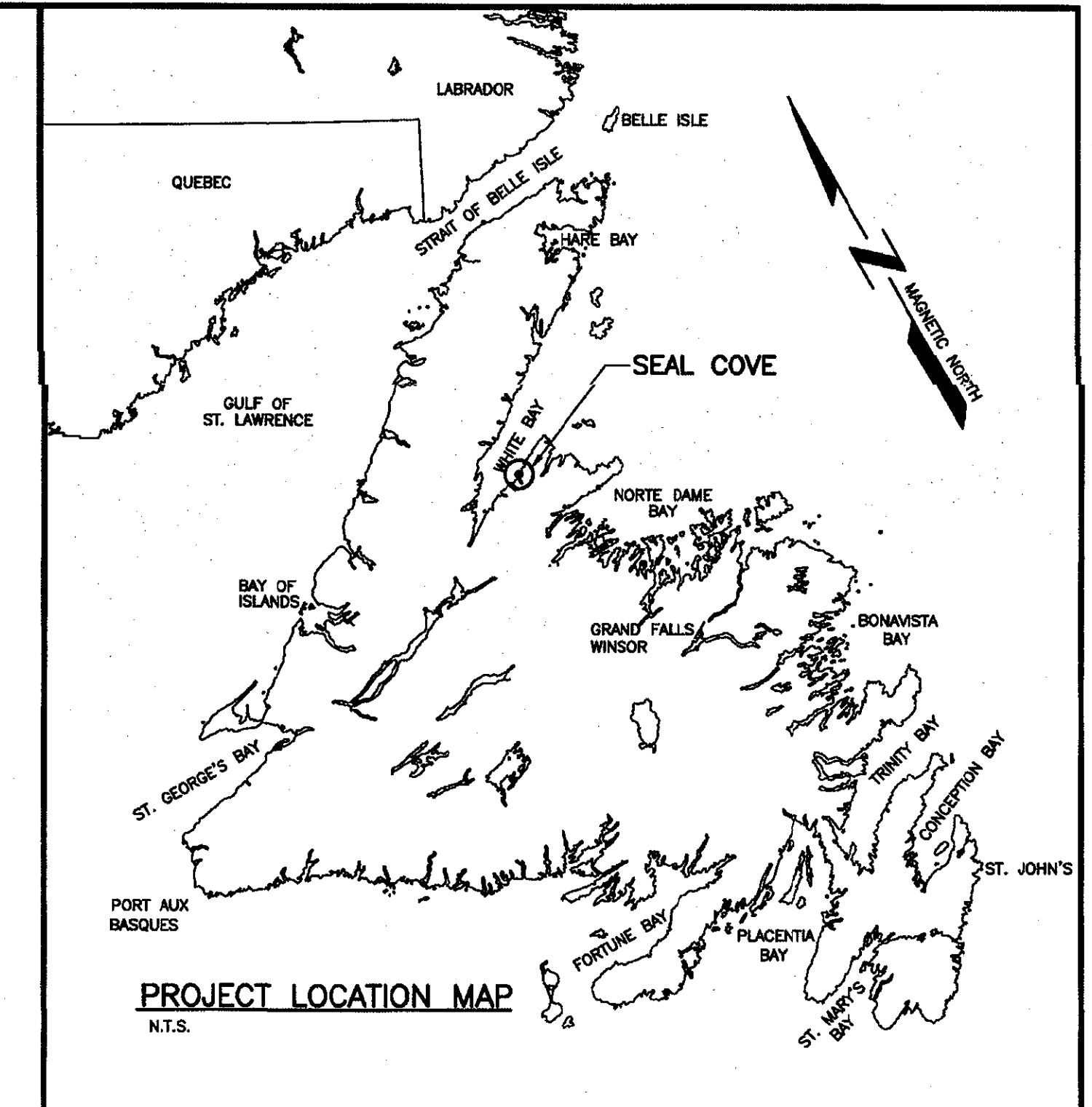
Fisheries and Oceans
Canada

Pêches et Océans
Canada



Small Craft Harbours
Newfoundland Region
St. John's, NL.

Ports Pour Petits Bateaux



PROJECT: SHORELINE PROTECTION

SEAL COVE, NL

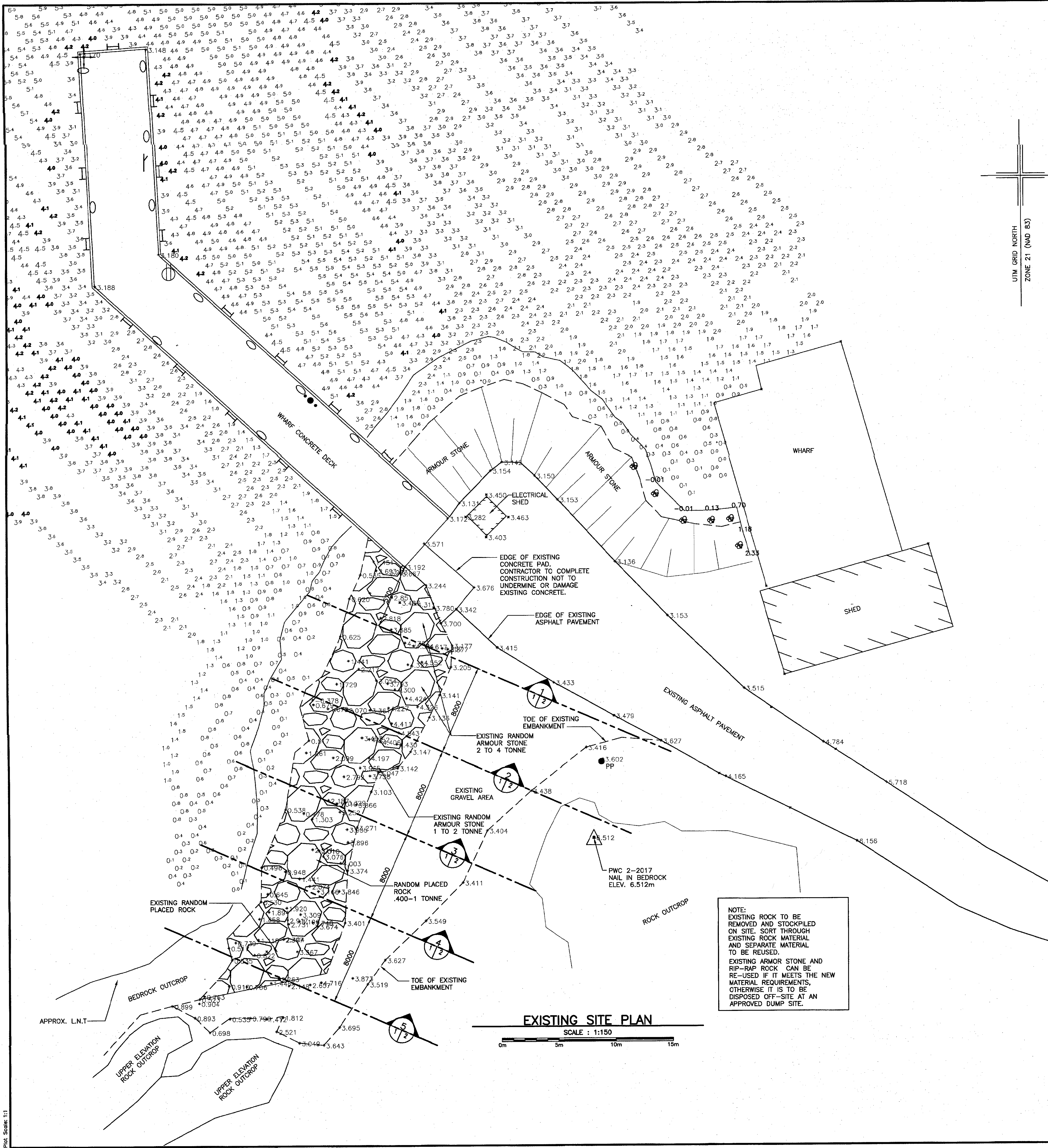
COAST OF BAYS – CENTRAL – NOTRE DAME, NEWFOUNDLAND AND LABRADOR

PROJECT NO: 723032

DRAWING LIST

DRAWING NO.	TITLE
1 OF 4	EXISTING SITE PLAN
2 OF 4	EXISTING SECTIONS
3 OF 4	NEW SITE PLAN
4 OF 4	NEW SECTIONS





SURVEY NOTES

SURVEY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) SEPTEMBER 20, 2018 & OCTOBER 17, 2018

SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1492 m/s
 DEPTH GATE USED N/A FRE. OF TRANS. 210 KHZ

POSITIONING SYSTEM USED TRIMBLE R7 GNSS DGPS (WITH OTF)
 LAND SURVEY POSITION BY TRIMBLE R7 GNSS DGPS (WITH OTF)

DATA TAPE/DISC(S) USED
 CAD DRAWING FILE(S) USED
 TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
 DATE OF PROCESSING OCTOBER 2018

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
 MATRIX CELL WIDTH X LENGTH
 REDUCTION OF MATRIX CELLS

CONTROL POINTS:	PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
92C1044	543889.051	5531846.240	33.41		C.L. MON. SET IN BEDROCK
PWC 1-2017	543555.688	5531515.957	3.486		NAIL RAMSET IN PAVEMENT
PWC 2-2017	543551.461	5531605.495	6.512		NAIL SET IN BEDROCK
PWC 3-2017	543592.193	5531600.789	6.846		NAIL RAMSET IN PAVEMENT
91F9040	543861.264	5531713.459	2.929		CHS BRONZE TABLET SET IN BEDROCK
91F9041	543878.702	5531710.413	2.560		CHS BRONZE TABLET SET IN BEDROCK
91F9042	543868.750	5531702.457	1.443		CHS BRONZE TABLET SET IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.
 ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 91F9040 ELEV. +2.829 m (BRASS PLAQUE SET IN BEDROCK).
 SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON SEPTEMBER 20, 2018 BY PWGSC SURVEY CREW.
 COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).
 SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.
 SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2013.7A.
 SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER.
 ALL FIELD NOTES ARE IN SEAL COVE #202.

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

PROVINCE OF NEWFOUNDLAND

PERMIT HOLDER
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 which is valid for the year 2018.

0	ISSUED FOR TENDER	08/02/19
revisions		date
project		project

SHORELINE PROTECTION SEAL COVE, NL.

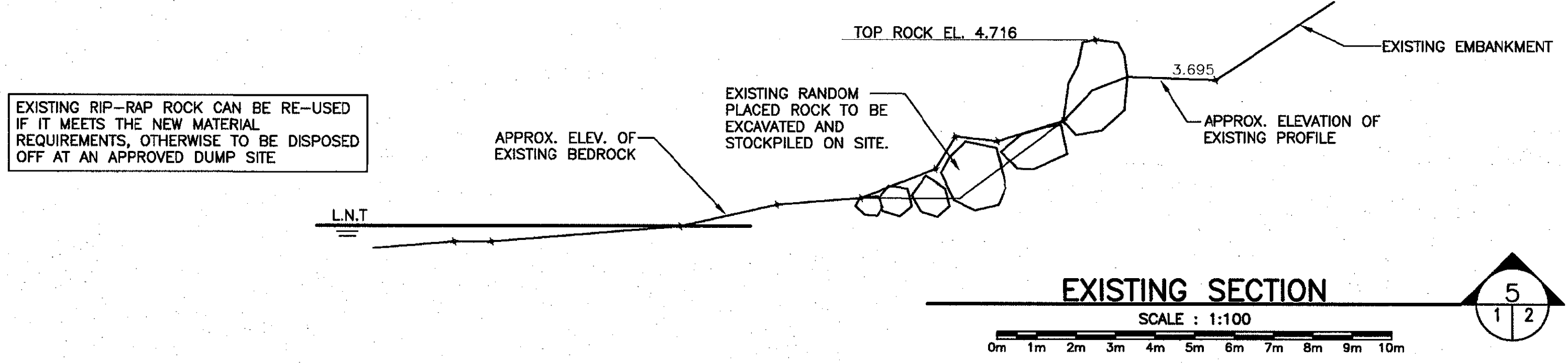
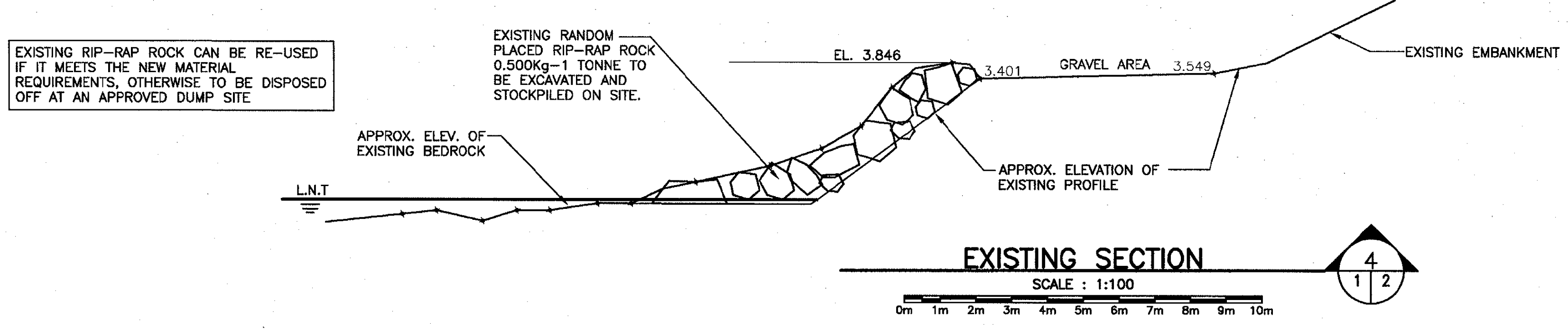
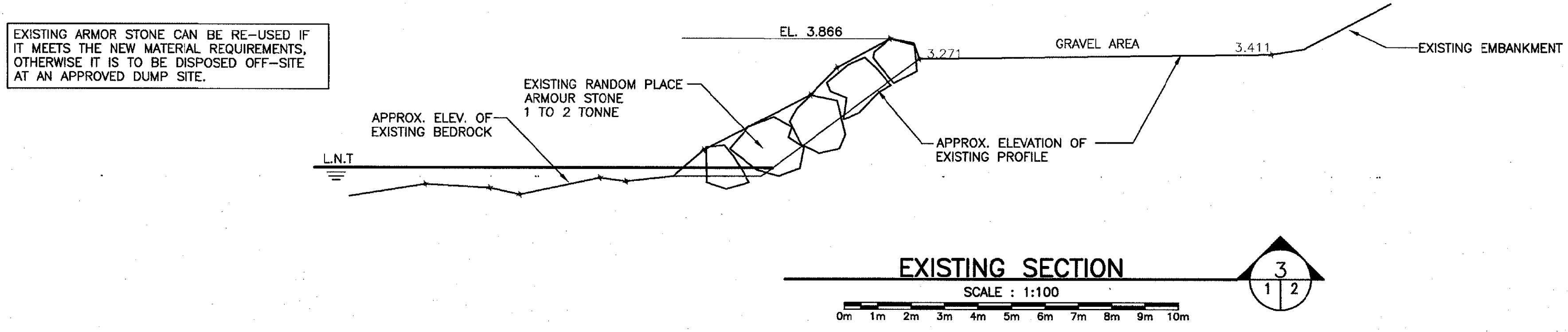
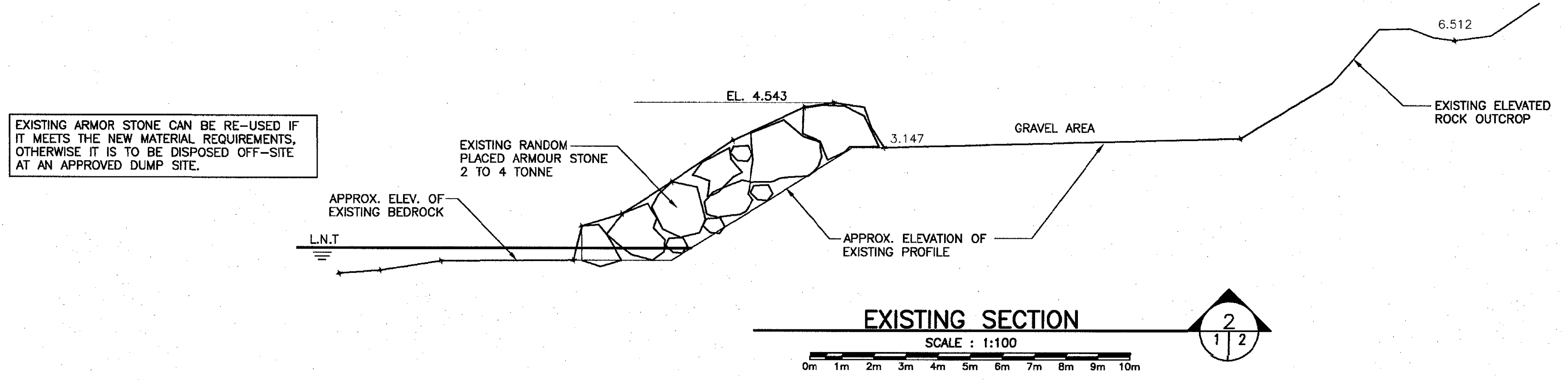
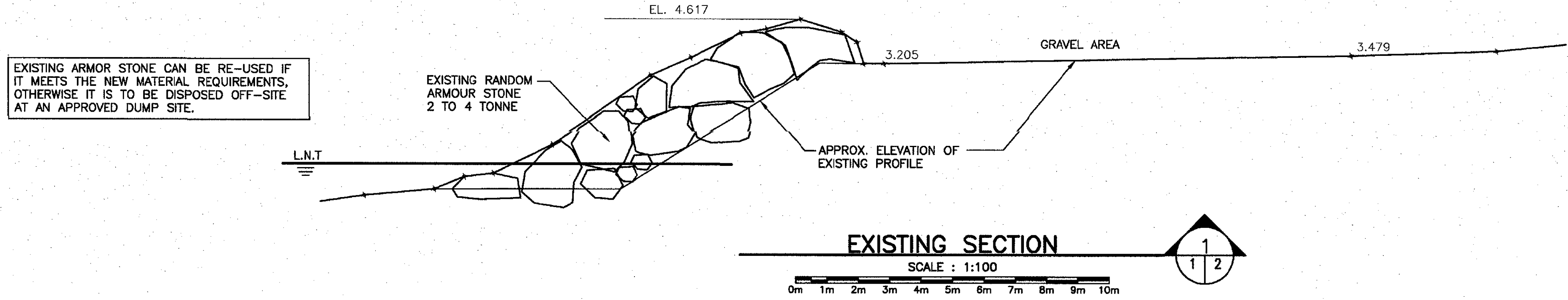
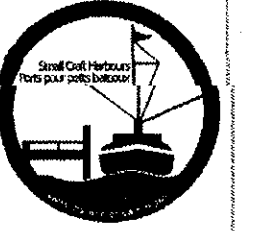
drawing design

EXISTING SITE PLAN

designed	W.J. ANDERSON	concu
date	AUGUST 2019	
drawn	R.S.H	desine
date	AUGUST 2019	
approved		approve
date		
Tender	Paul Curran	Sourmission
DFD Project Manager		
project number	723032	no. du projet
drawing no.	1 OF 4	no. du dessin

Not in System

SMALL CRAFT HARBOURS



EXISTING ARMOR STONE CAN BE RE-USED IF IT MEETS THE NEW MATERIAL REQUIREMENTS, OTHERWISE IT IS TO BE DISPOSED OFF-SITE AT AN APPROVED DUMP SITE.

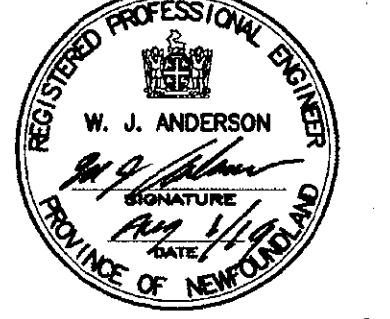
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EXISTING ARMOR STONE CAN BE RE-USED IF IT MEETS THE NEW MATERIAL REQUIREMENTS, OTHERWISE IT IS TO BE DISPOSED OFF-SITE AT AN APPROVED DUMP SITE.

EXISTING RIP-RAP ROCK CAN BE RE-USED IF IT MEETS THE NEW MATERIAL REQUIREMENTS, OTHERWISE TO BE DISPOSED OFF AT AN APPROVED DUMP SITE.

EXISTING RIP-RAP ROCK CAN BE RE-USED IF IT MEETS THE NEW MATERIAL REQUIREMENTS, OTHERWISE TO BE DISPOSED OFF AT AN APPROVED DUMP SITE.

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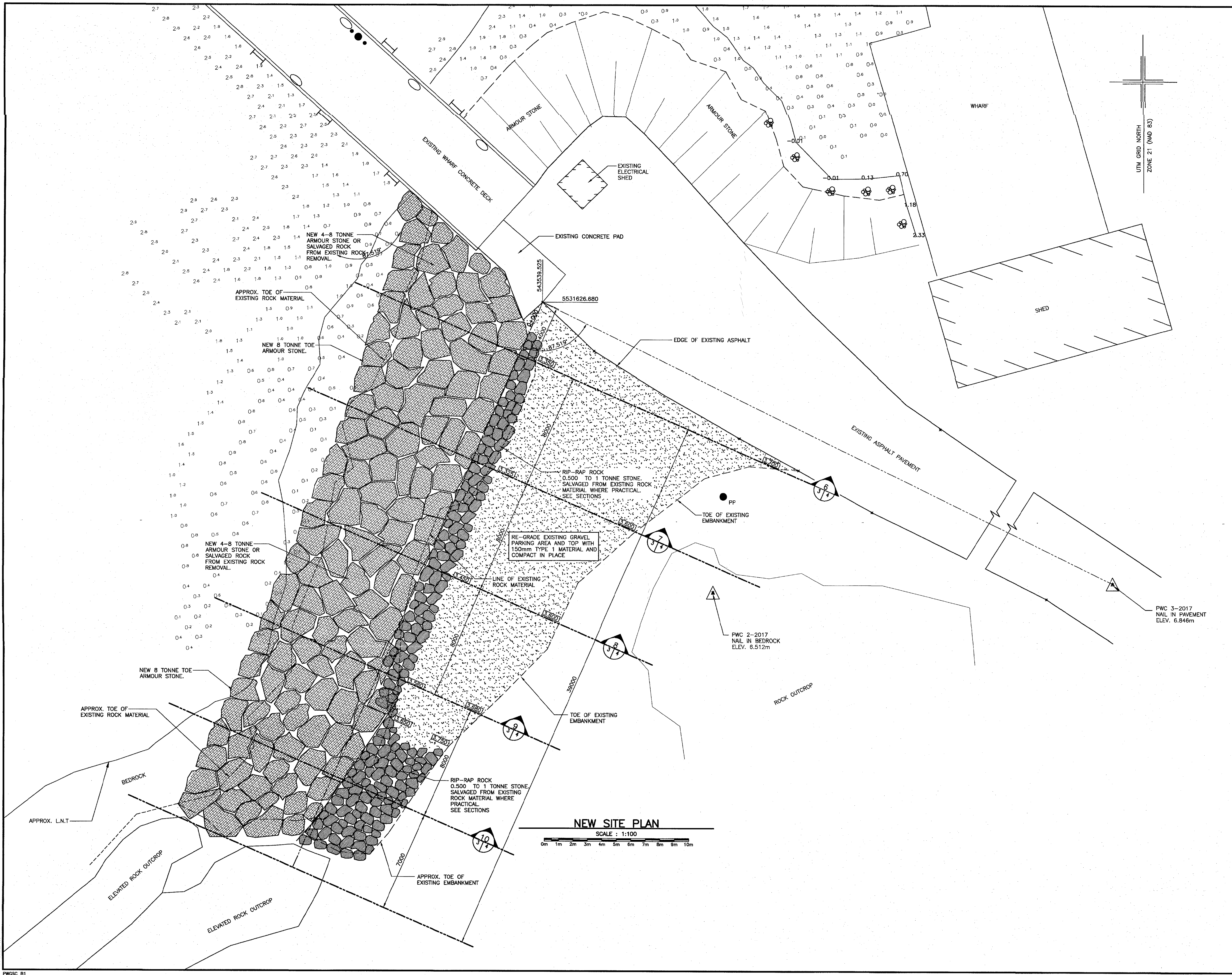


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project		project

SHORELINE PROTECTION
 SEAL COVE, NL.

EXISTING SECTIONS

designed	W.J. ANDERSON	concu
date	AUGUST 2019	
drawn	R.S.H	desain
date	AUGUST 2019	
approved		approve
date		
Tender	<i>Paul Curran</i>	Submission
DFD Project Manager		
project number	723032	no. du projet
drawing no.	2 OF 4	no. du dessin



Fisheries and Oceans
Canada

Pêches et Océans
Canada

SMALL CRAFT HARBOURS

UTM GRID NORTH
ZONE 21 (NAD 83)

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W. J. ANDERSON
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NEWFOUNDLAND

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revisions	date	date
project	project	

**SHORELINE PROTECTION
SEAL COVE, NL.**

drawing dessin

NEW SITE PLAN

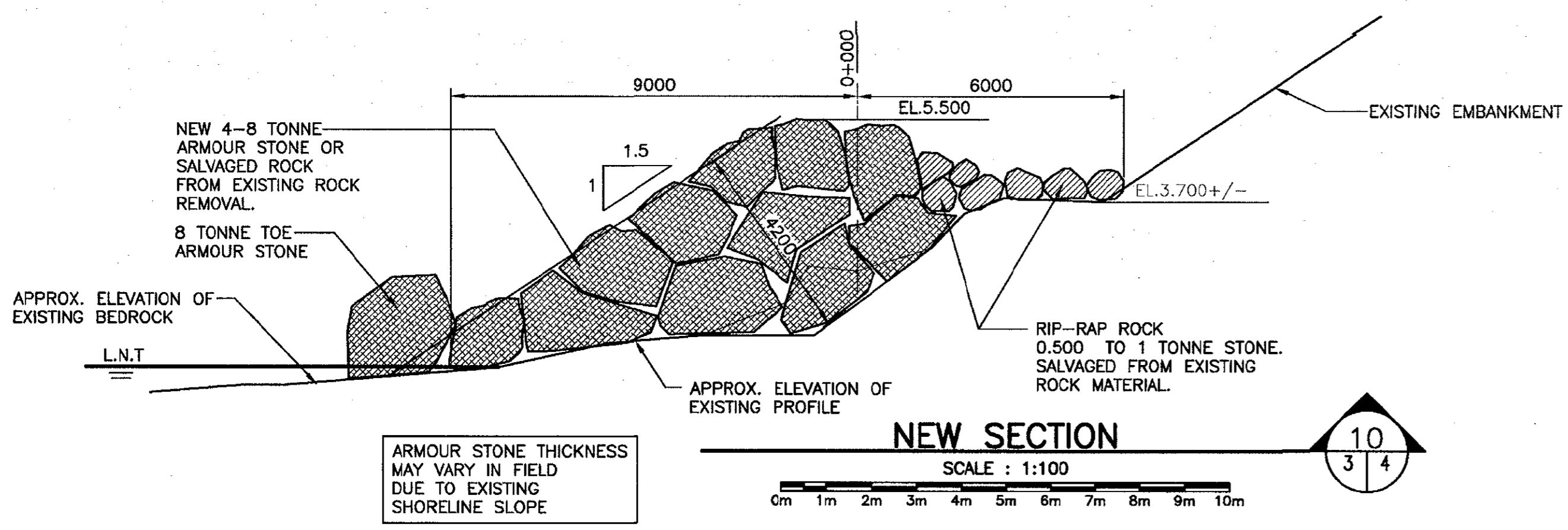
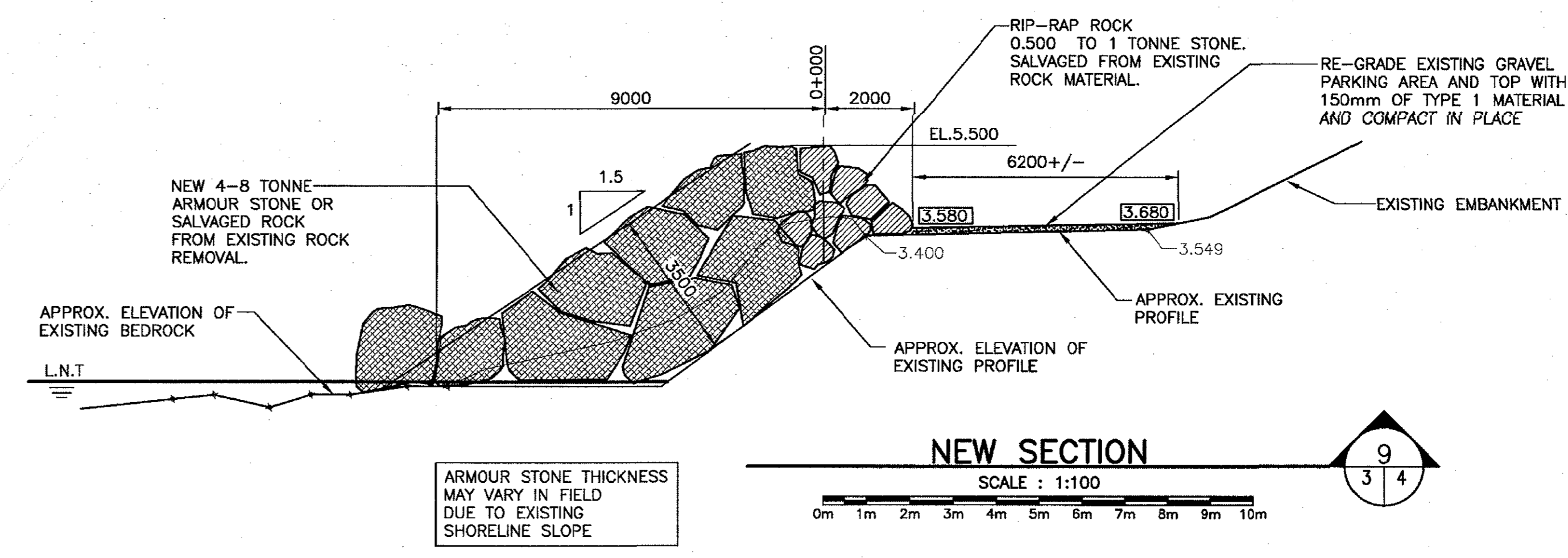
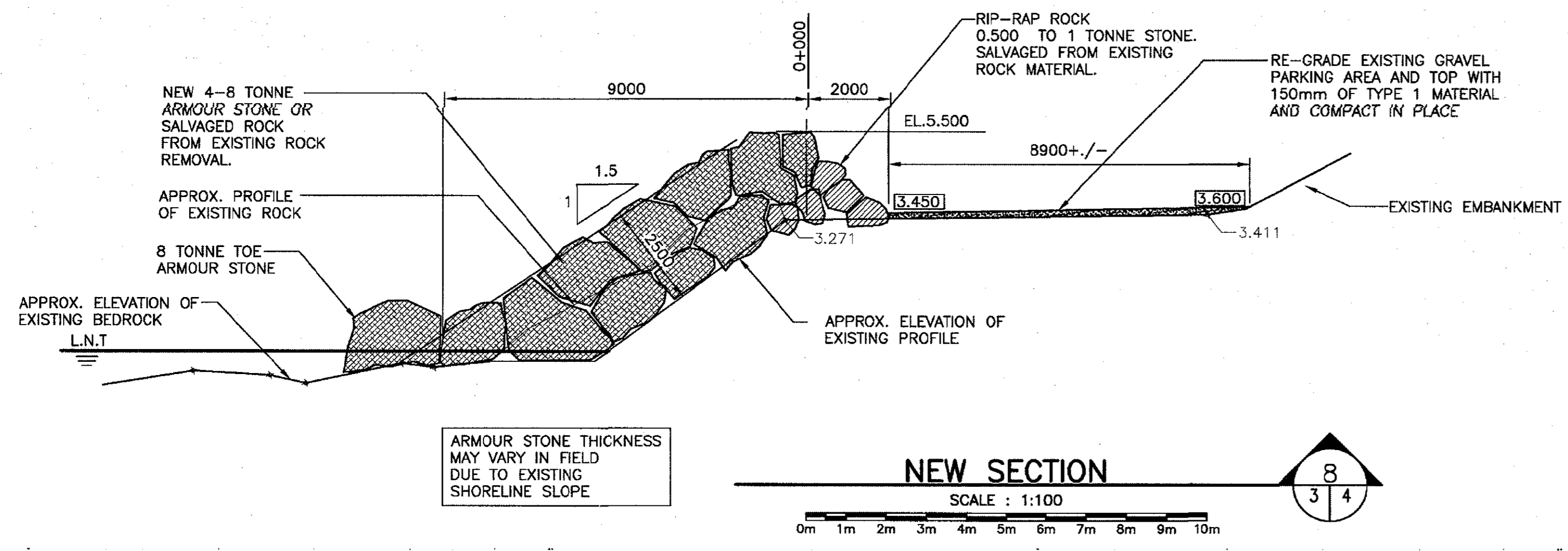
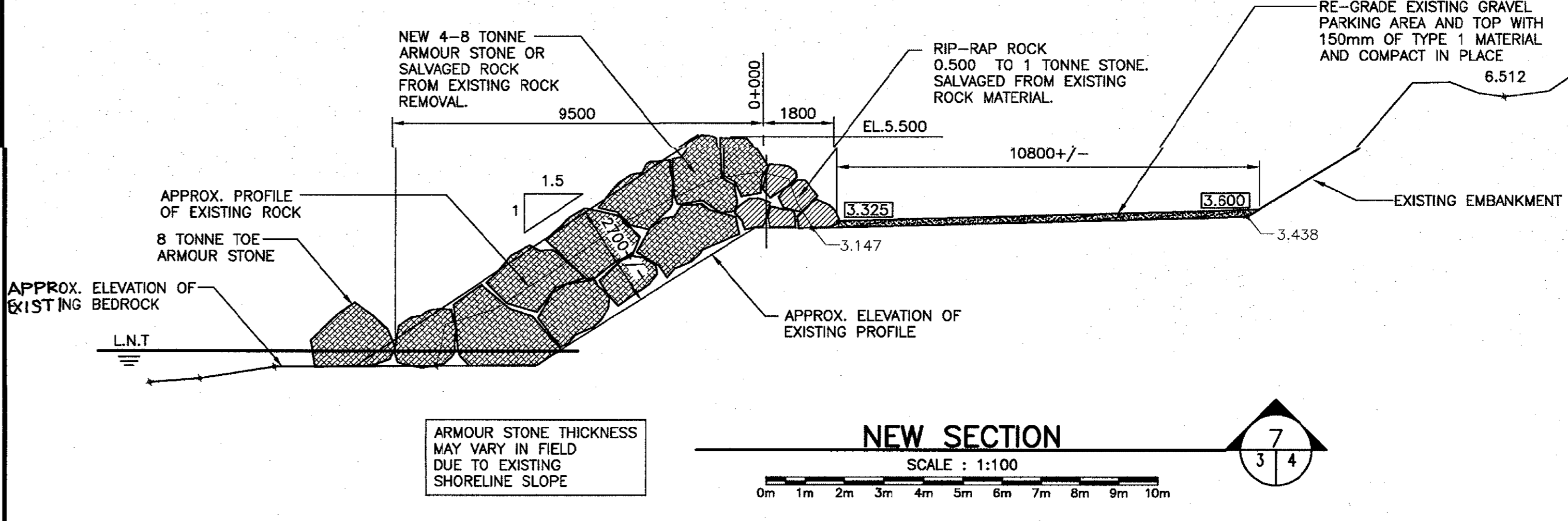
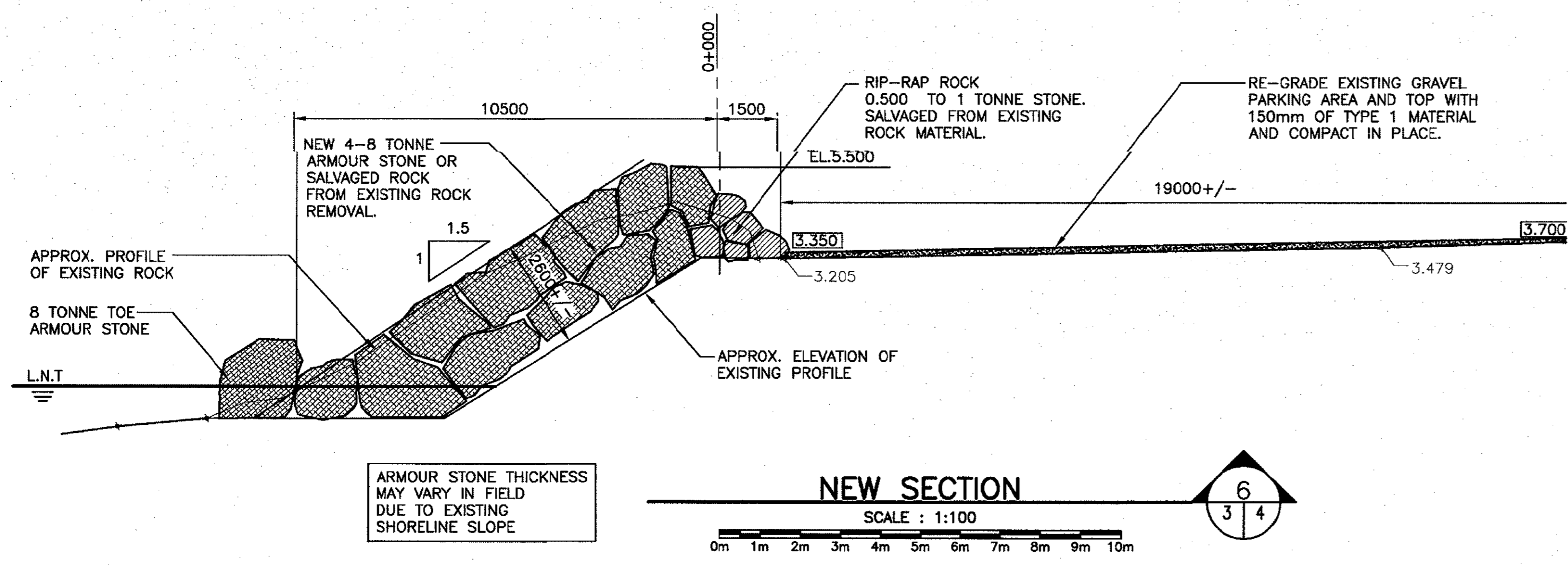
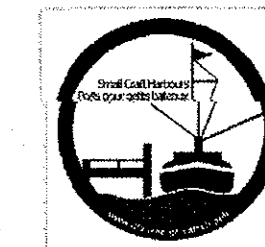
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Tender Paul Curran	Soumission
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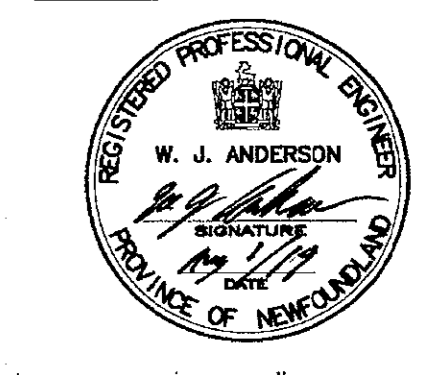
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revisions		date
project		project

SHORELINE PROTECTION
 SEAL COVE, NL.

NEW SECTIONS

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date	AUGUST 2019	
drawn	R.S.H	desain
date	AUGUST 2019	
approved		approve
date		
Tender	Paul Curran	Submission
DFD Project Manager		
project number	723032	no. du projet
drawing no.	4 OF 4	no. du dessin