



Parks Canada
Southwestern
Ontario
Field Unit

Parcs Canada
Unité de gestion
du Sud-Ouest
de l'Ontario

Niagara-on-the-Lake, Ontario
Parks Canada Agency, Southwestern Ontario Field Unit

NIAGARA SHORE PROTECTION EMERGENCY REPAIRS FORT MISSISSAUGA

PCA Project No.: 1862

DATE: 2018-05-08



LIST OF DRAWINGS

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Field Unit

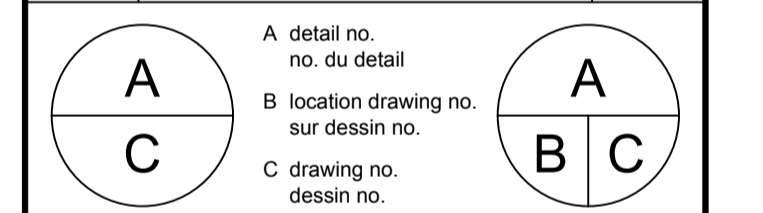


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D	FOR TENDER	18-05-08
C	FOR SUBMISSION	18-04-10
B	IN PROGRESS 99%	18-03-09
A	IN PROGRESS 50%	18-01-26

revisions	description	date
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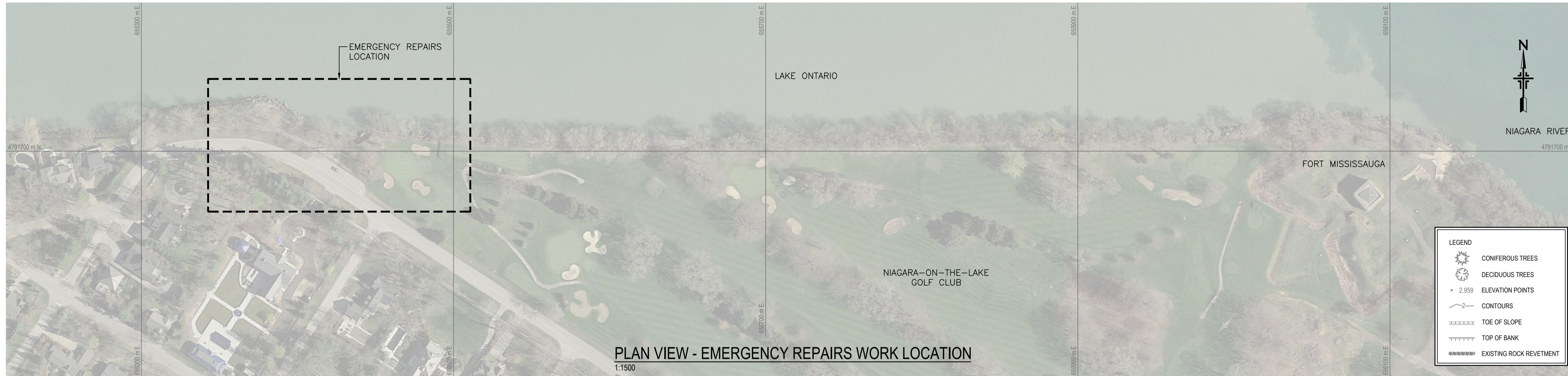
project / projet
**NIAGARA SHORE
PROTECTION
EMERGENCY REPAIRS**
FORT MISSISSAUGA

drawing / dessin
COVER PAGE

Designed By	C. Glodowski	Conçu par
Date	2018/05/08	(yyyy/mm/dd)
Drawn By	P.-Y. Bonin / J. Pouliot	Dessiné par
Date	2018/05/08	(yyyy/mm/dd)
Reviewed By	T. Fortin-Chevalier, P.Eng.	Examiné par
Date	2018/05/08	(yyyy/mm/dd)
Approved By	S. Renaud, P. Eng.	Approuvé par
Date	2018/05/08	(yyyy/mm/dd)
Tender		Soumission

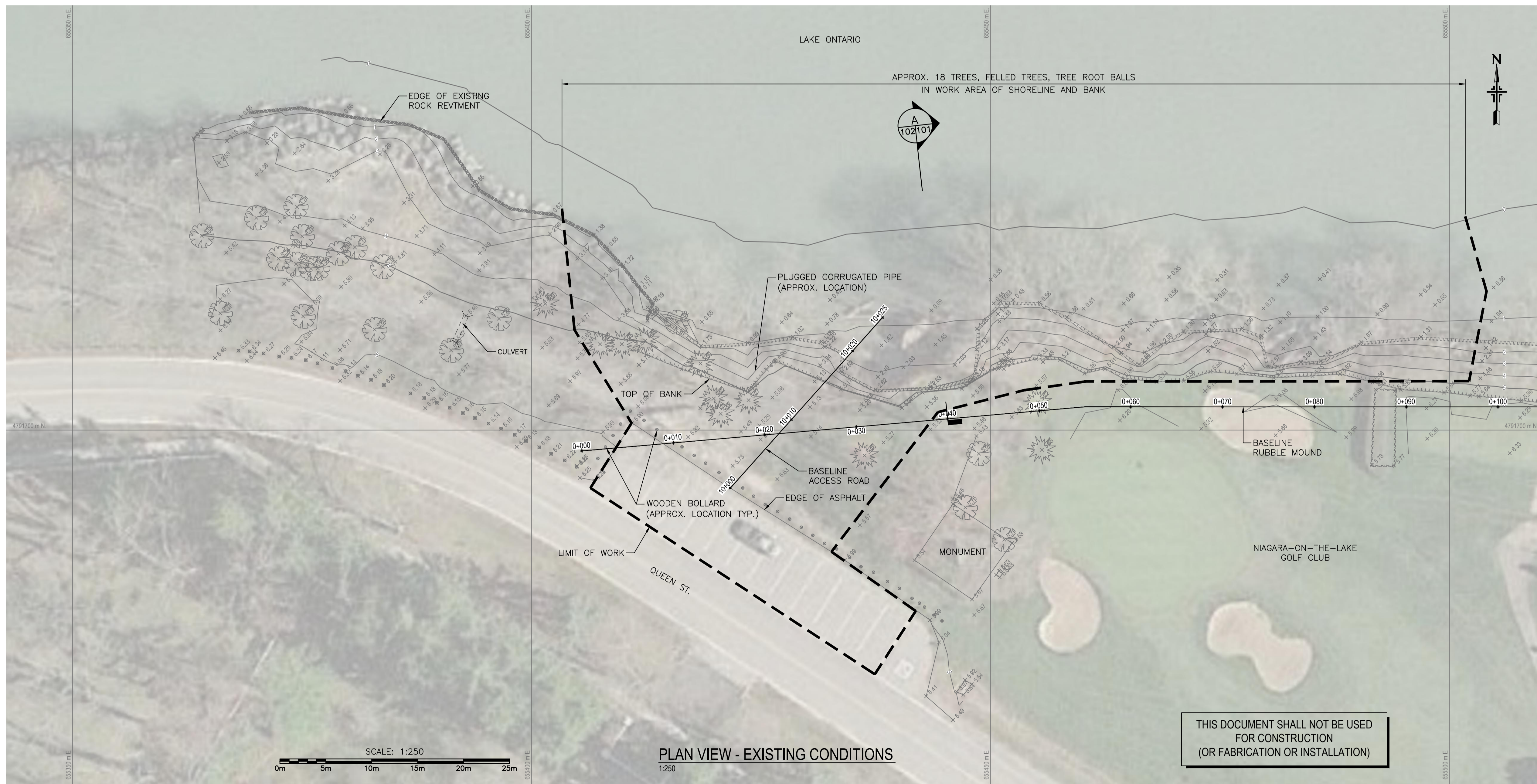
Project Manager	Administrateur de projets
Project no.	No. du projet
	1862

Drawing no.	No. du dessin
	C-001



PLAN VIEW - EMERGENCY REPAIRS WORK LOCATION

1:1500



PLAN VIEW - EXISTING CONDITIONS

1:250

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NOTES:

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A	A detail no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project / projet

NIAGARA SHORE PROTECTION EMERGENCY REPAIRS

FORT MISSISSAUGA

drawing / dessin

SITE PLAN AND EXISTING CONDITIONS

Designed By	C. Glodowski	Conçu par	
Date	2018/05/08	(yyyy/mm/dd)	
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Project no. / No. du projet

1862

Drawing no. / No. du dessin

C-101

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C	C drawing no. dessin no.	

project / projet

NIAGARA SHORE PROTECTION EMERGENCY REPAIRS
FORT MISSISSAUGA

drawing / dessin

CROSS SECTIONS OF EXISTING SHORE

Designed By	C. Glodowski	Conçu par	
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Tender		Soumission	

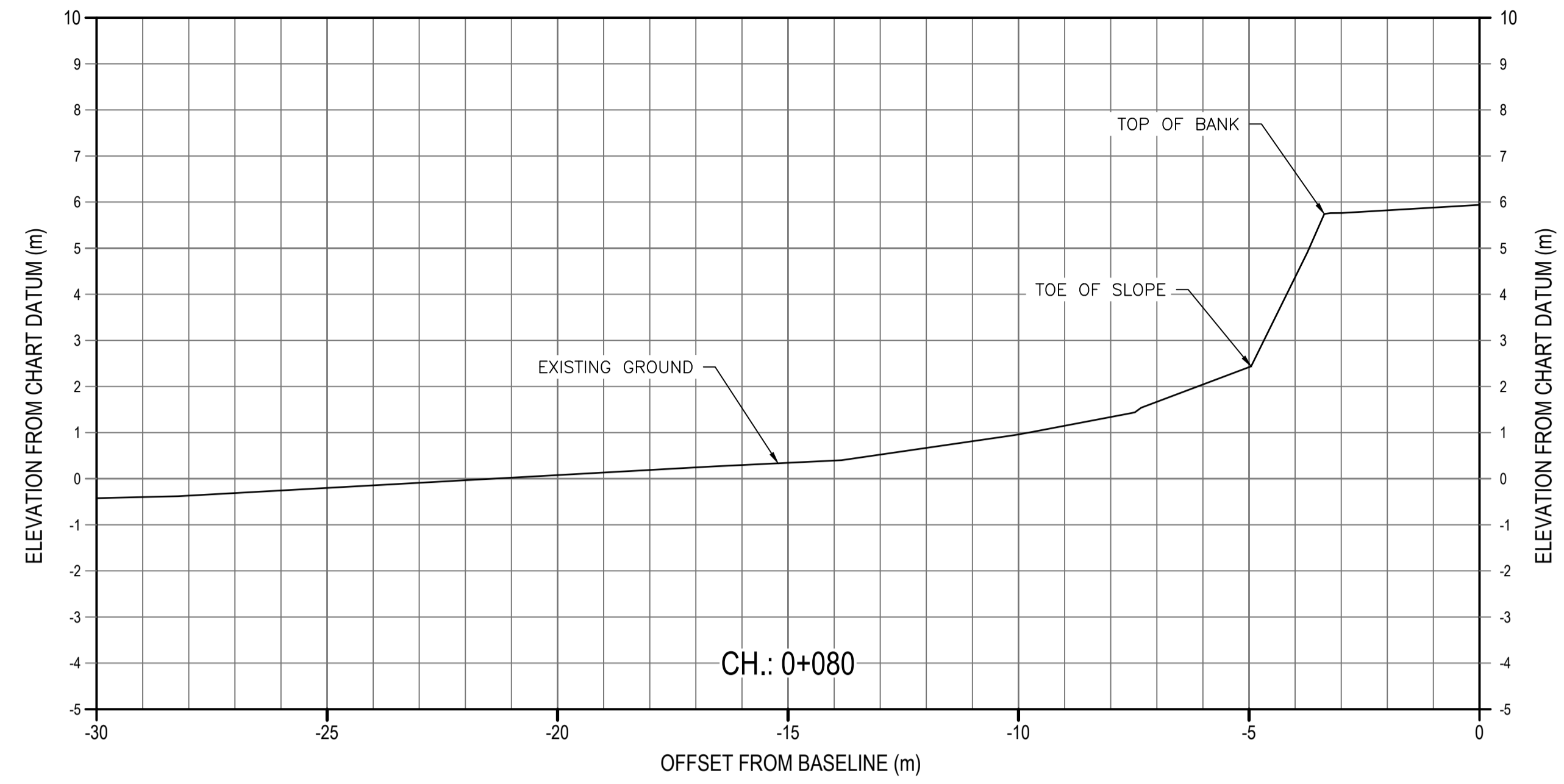
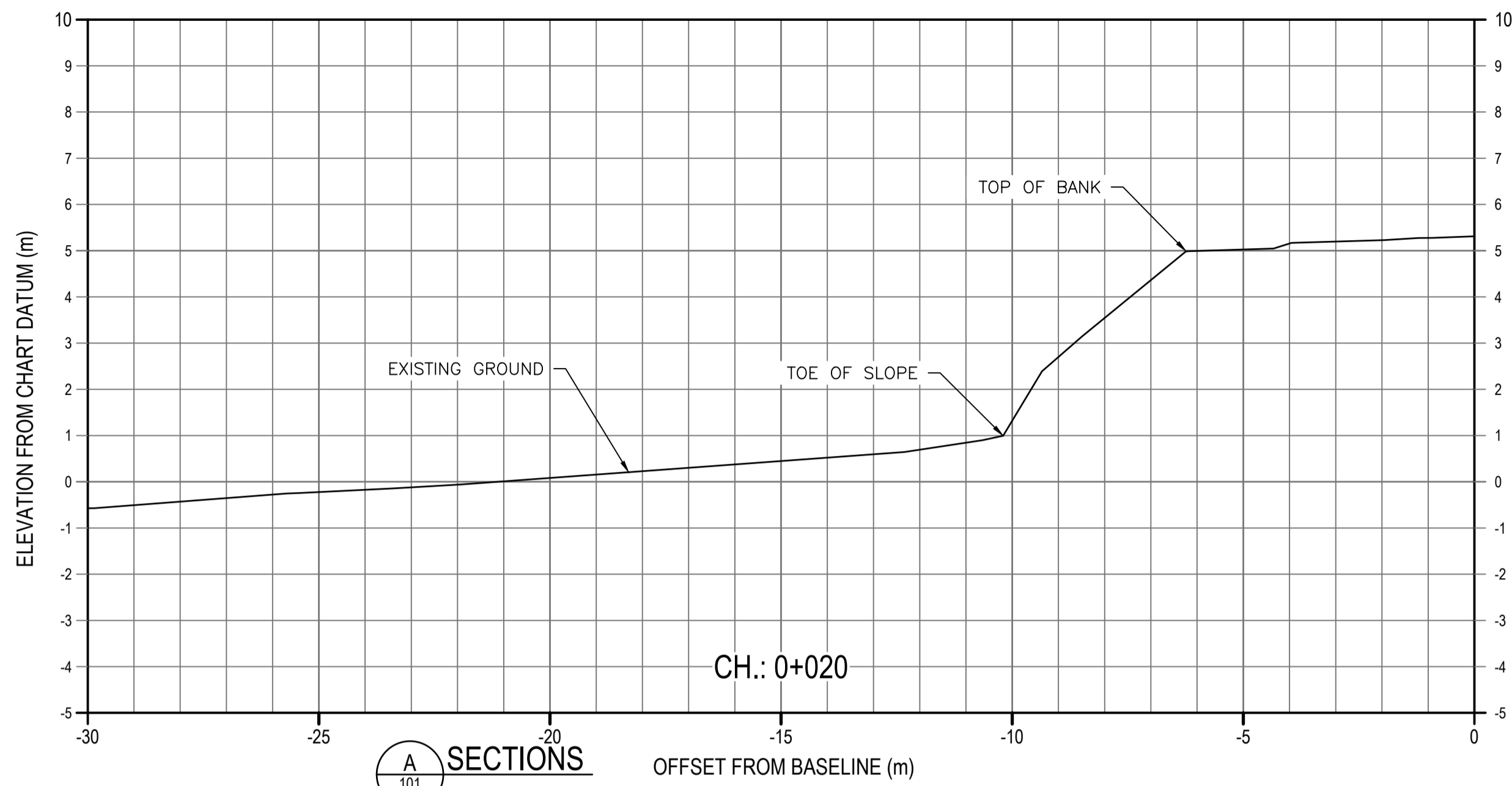
Project Manager / Administrateur de projets

Project no. / No. du projet

1862

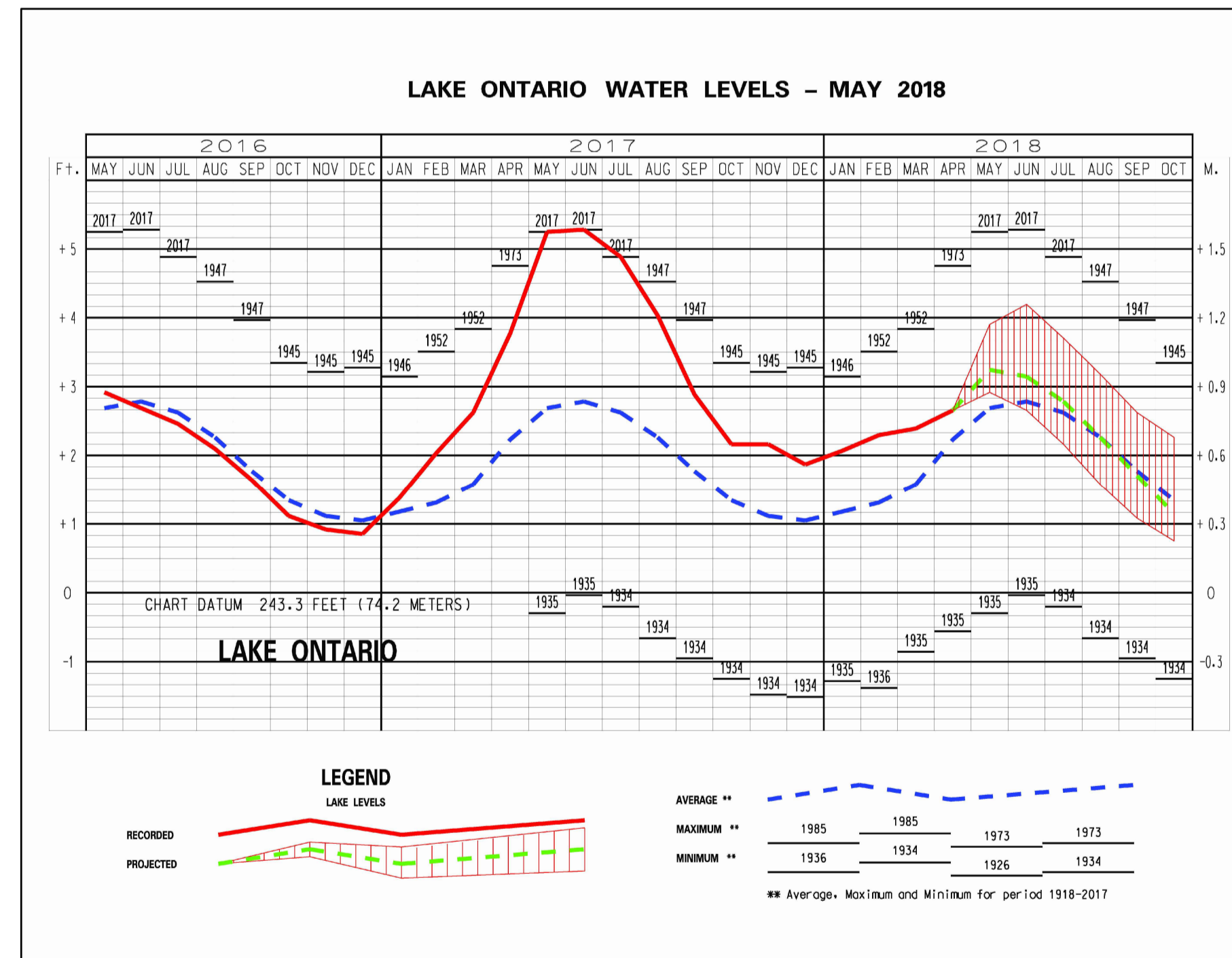
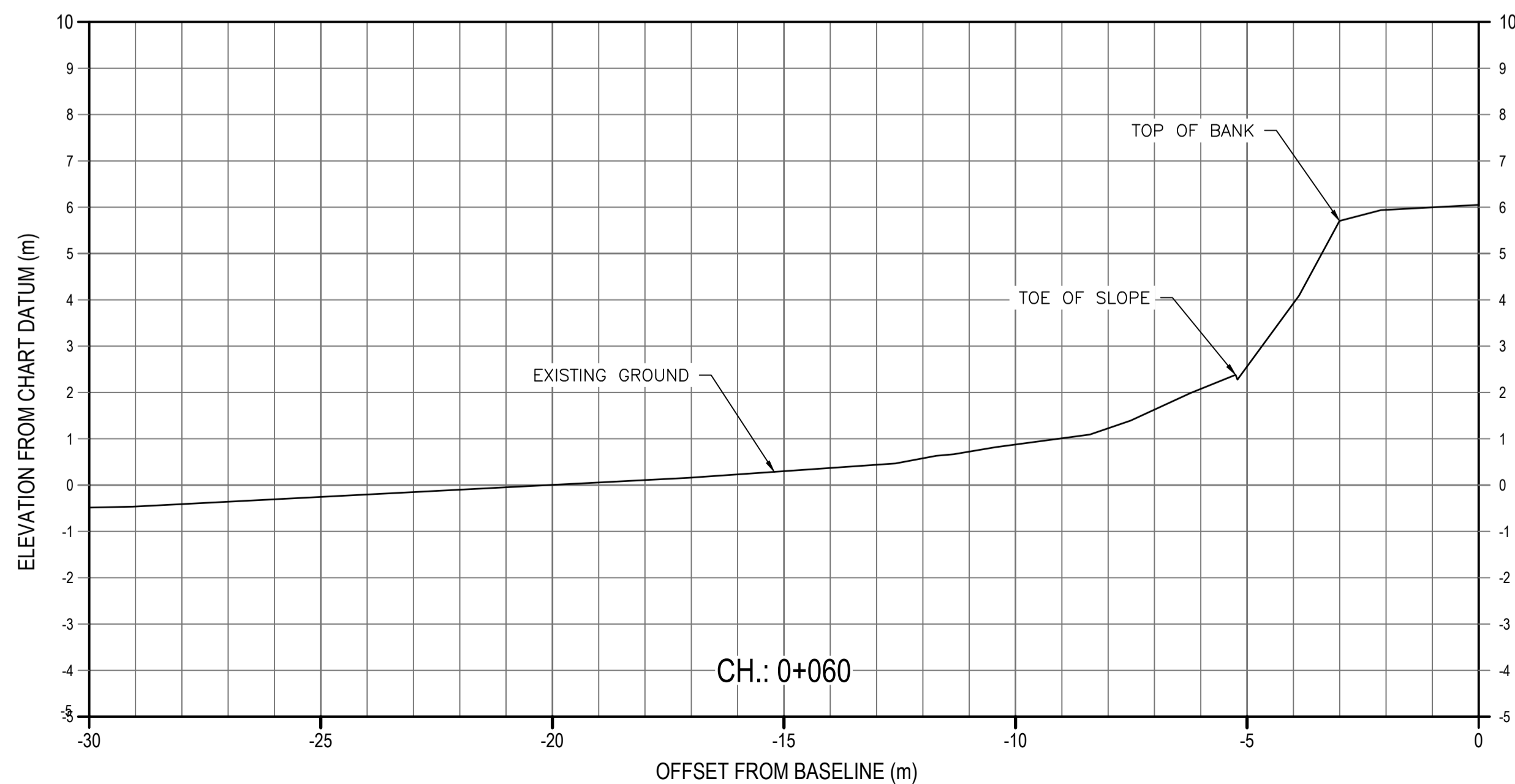
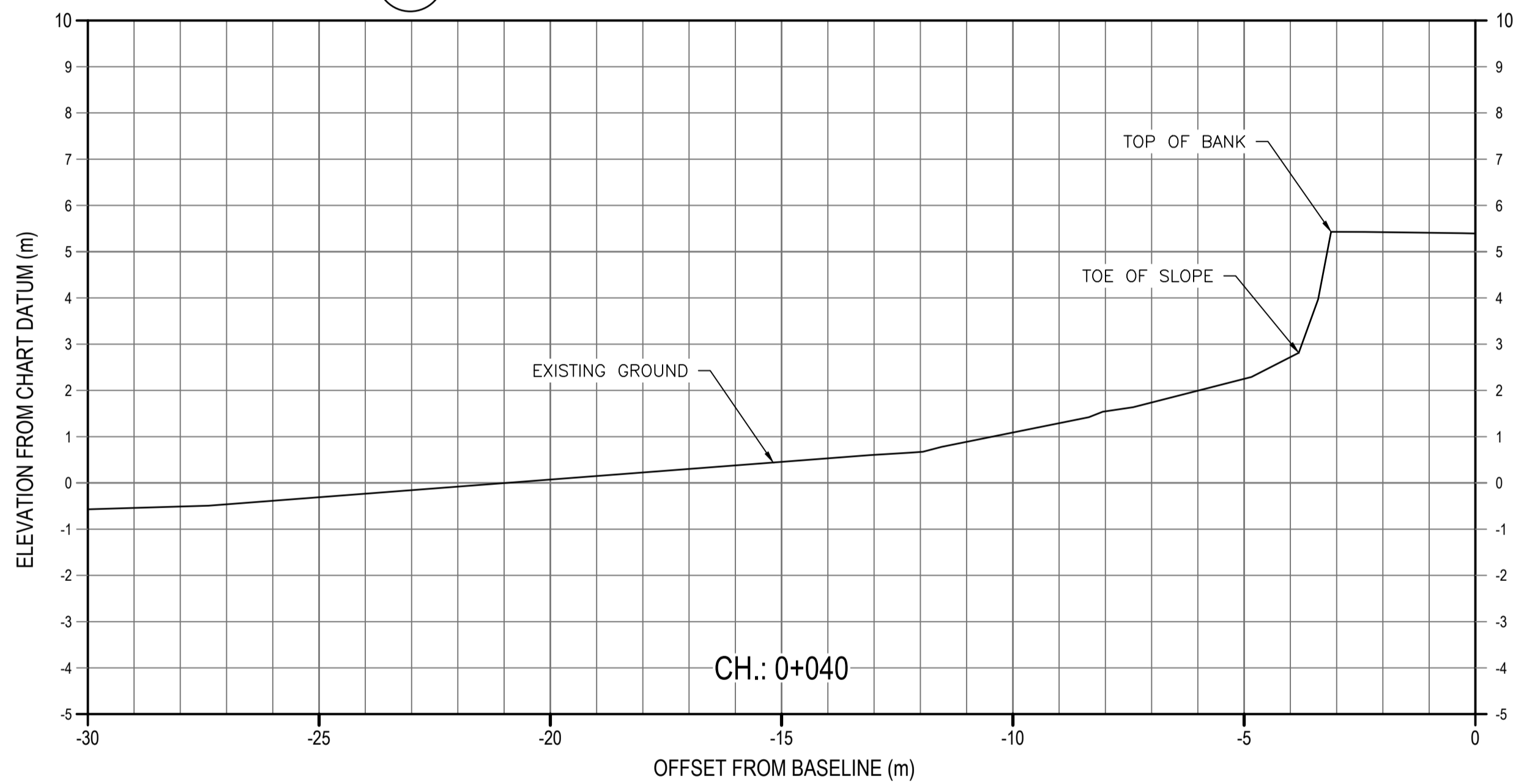
Drawing no. / No. du dessin

C-102



EXISTING SHORE - CROSS SECTIONS

1:100



LAKE ONTARIO WATER LEVELS

NOT TO SCALE

REFER TO:

HTTP://LRE-WM.USACE.ARMY.MIL/FORECASTDATA/BULLETINGRAPHICS/MBOGLWL-ONTARIO.PDF
FOR MOST CURRENT CHART FROM UNITED STATES ARMY CORPS OF ENGINEERS, DETROIT DISTRICT, ENGINEERING AND TECHNICAL SERVICES, GREAT LAKES HYDRAULICS AND HYDROLOGY OFFICE



PHOTO 1 - VIEW OF WORK SITE FROM SOUTH END OF QUEEN STREET PARKING LOT



PHOTO 2 - VIEW OF WORK SITE FROM LAKE ONTARIO



PHOTO 3 - VIEW OF WORK SITE NEAR NORTH END OF PARKING LOT

GENERAL NOTE:
IF LAKE IS ON THE RIGHT SIDE OF PHOTO,
THE CAMERA IS FACING TOWARD THE WEST.



PHOTO 4 - VIEW OF WORK SITE NEAR NORTH END OF PARKING LOT



PHOTO 5 - WEST LIMIT OF WORK SITE ADJACENT TO EXISTING SHORE ARMOUR ROCK



PHOTO 6 - WEST LIMIT OF WORK SITE ADJACENT TO EXISTING SHORE ARMOUR ROCK

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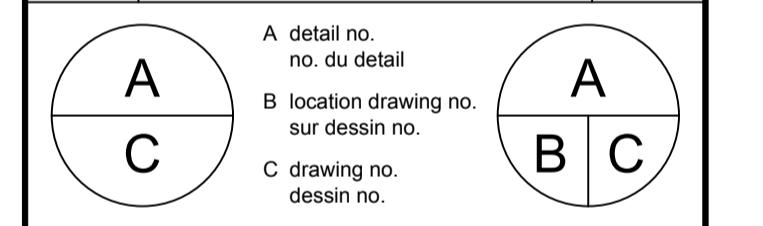
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project NIAGARA SHORE PROTECTION EMERGENCY REPAIRS projet

Fort MISSISSAUGA

drawing PHOTOS OF EXISTING CONDITIONS - 1 dessin

Designed By	C. Glodowski	Conçu par	C. Glodowski
Date	2018/05/08	(yyyy/mm/dd)	
Drawn By	P.-Y. Bonin / J. Pouliot	Dessiné par	P.-Y. Bonin / J. Pouliot
Date	2018/05/08	(yyyy/mm/dd)	
Reviewed By	T. Fortin-Chevalier, P. Eng.	Examiné par	T. Fortin-Chevalier, P. Eng.
Date	2018/05/08	(yyyy/mm/dd)	
Approved By	S. Renaud, P. Eng.	Approuvé par	S. Renaud, P. Eng.
Date	2018/05/08	(yyyy/mm/dd)	
Tender		Soumission	

Project Manager	Administrateur de projets
Project no.	No. du projet
	1862
Drawing no.	No. du dessin
	C-103



PHOTO 7 - WEST OF WORK SITE NEAR CHAINAGE 0+020 INCLUDING PLUGGED CORRUGATED PIPE



PHOTO 10 - SHORE AND BLUFF NEAR MIDDLE OF SITE, FROM CHAINAGE 0+030



PHOTO 13 - SHORE NEAR CHAINAGE 0+070



PHOTO 8 - WEST OF WORK SITE NEAR CHAINAGE 0+000 INCLUDING PLUGGED CORRUGATED PIPE



PHOTO 11 - SHORE AND BLUFF NEAR MIDDLE OF SITE, NEAR FROM CHAINAGE 0+040



PHOTO 14 - TOP OF BANK ON GOLF COURSE FROM ABOUT CHAINAGE 0+050 TO 0+080



PHOTO 9 - OVERALL VIEW OF SHORELINE IN WORK SITE



PHOTO 12 - TOP OF BANK NEAR CHAINAGE 0+060

GENERAL NOTE:
IF LAKE IS ON THE RIGHT SIDE OF PHOTO,
THE CAMERA IS FACING TOWARD THE WEST.

Canada

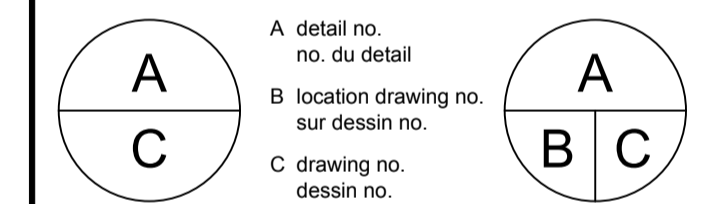
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NIAGARA SHORE PROTECTION EMERGENCY REPAIRS
FORT MISSISSAUGA

drawing / dessin

PHOTOS OF EXISTING CONDITIONS - 2

Designed By / Conçu par	C. Glodowski
Date / (yyyy/mm/dd)	2018/05/08
Drawn By / Dessiné par	P.-Y. Bonin / J. Pouliot
Date / (yyyy/mm/dd)	2018/05/08
Reviewed By / Examiné par	T. Fortin-Chevalier, P.Eng.
Date / (yyyy/mm/dd)	2018/05/08
Approved By / Approuvé par	S. Renaud, P. Eng.
Date / (yyyy/mm/dd)	2018/05/08
Tender / Soumission	

Project Manager / Administrateur de projets

Project no. / No. du projet

1862

Drawing no. / No. du dessin

C-104

NOTES:

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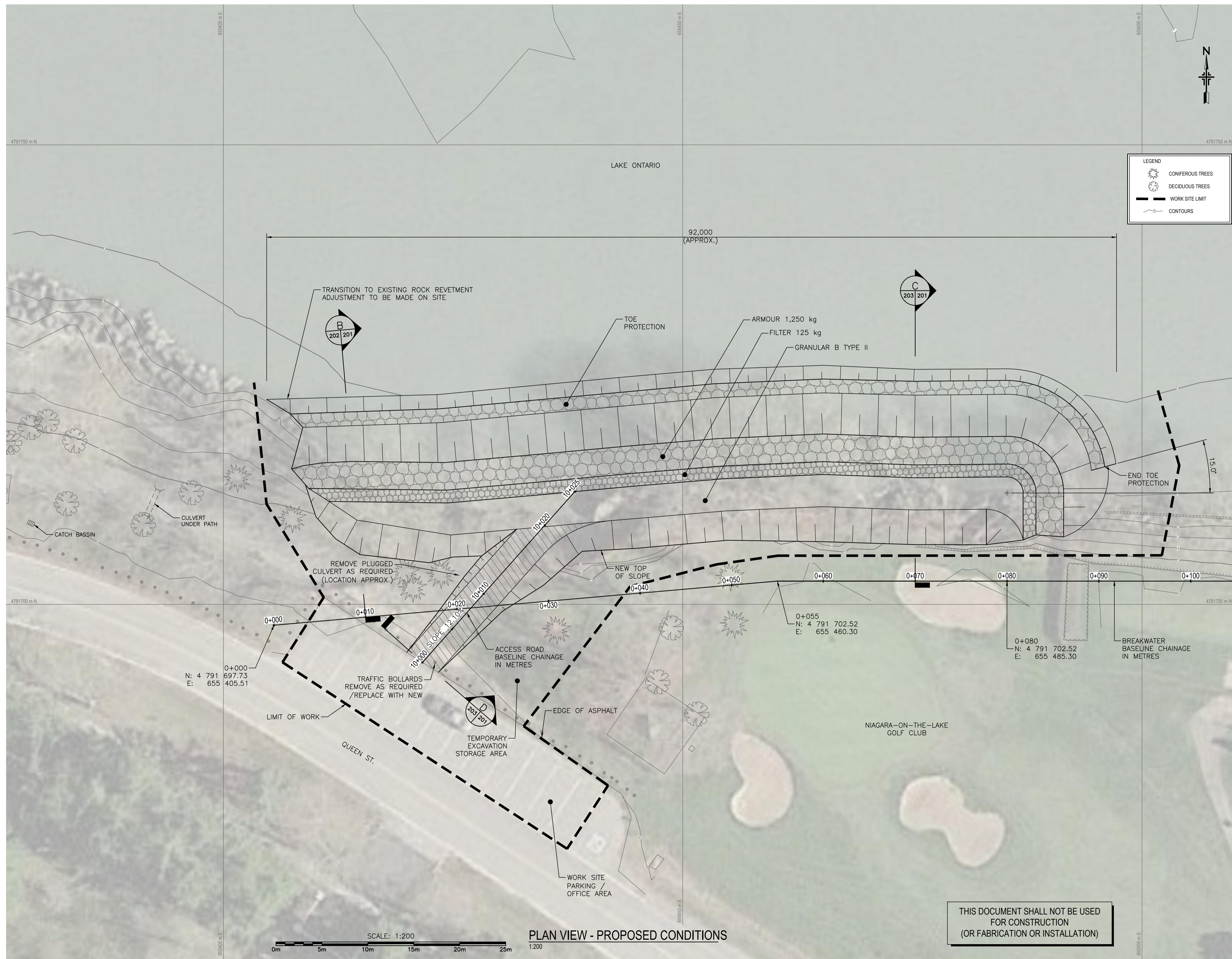
revisions	description	date
A	A detail no. du detail	A
B	B location drawing no. sur dessin no.	B C
C	C drawing no. dessin no.	

project project
NIAGARA SHORE PROTECTION EMERGENCY REPAIRS
FORT MISSISSAUGA

drawing dessin
NEW BREAKWATER GENERAL ARRANGEMENT PLAN

Designed By	C. Glodowski	Conçu par	
Date	2018/05/08	(yyyy/mm/dd)	
Drawn By	P.-Y. Bonin / J. Pouliot	Dessiné par	
Date	2018/05/08	(yyyy/mm/dd)	
Reviewed By	T. Fortin-Chevalier, P.Eng.	Examiné par	
Date	2018/05/08	(yyyy/mm/dd)	
Approved By	S. Renaud, P. Eng.	Approuvé par	
Date	2018/05/08	(yyyy/mm/dd)	
Tender		Soumission	

Project Manager	Administrateur de projets
Project no.	No. du projet
1862	
Drawing no.	No. du dessin
C-201	



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A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project / projet

NIAGARA SHORE PROTECTION EMERGENCY REPAIRS

FORT MISSISSAUGA

drawing / dessin

NEW BREAKWATER CROSS SECTIONS - 1

Designed By	C. Glodowski	Conçu par	
Date	2018/05/08	(yyyy/mm/dd)	
Drawn By	P.-Y. Bonin / J. Pouliot	Dessiné par	
Date	2018/05/08	(yyyy/mm/dd)	
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Date	2018/05/08	(yyyy/mm/dd)	
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Tender		Soumission	

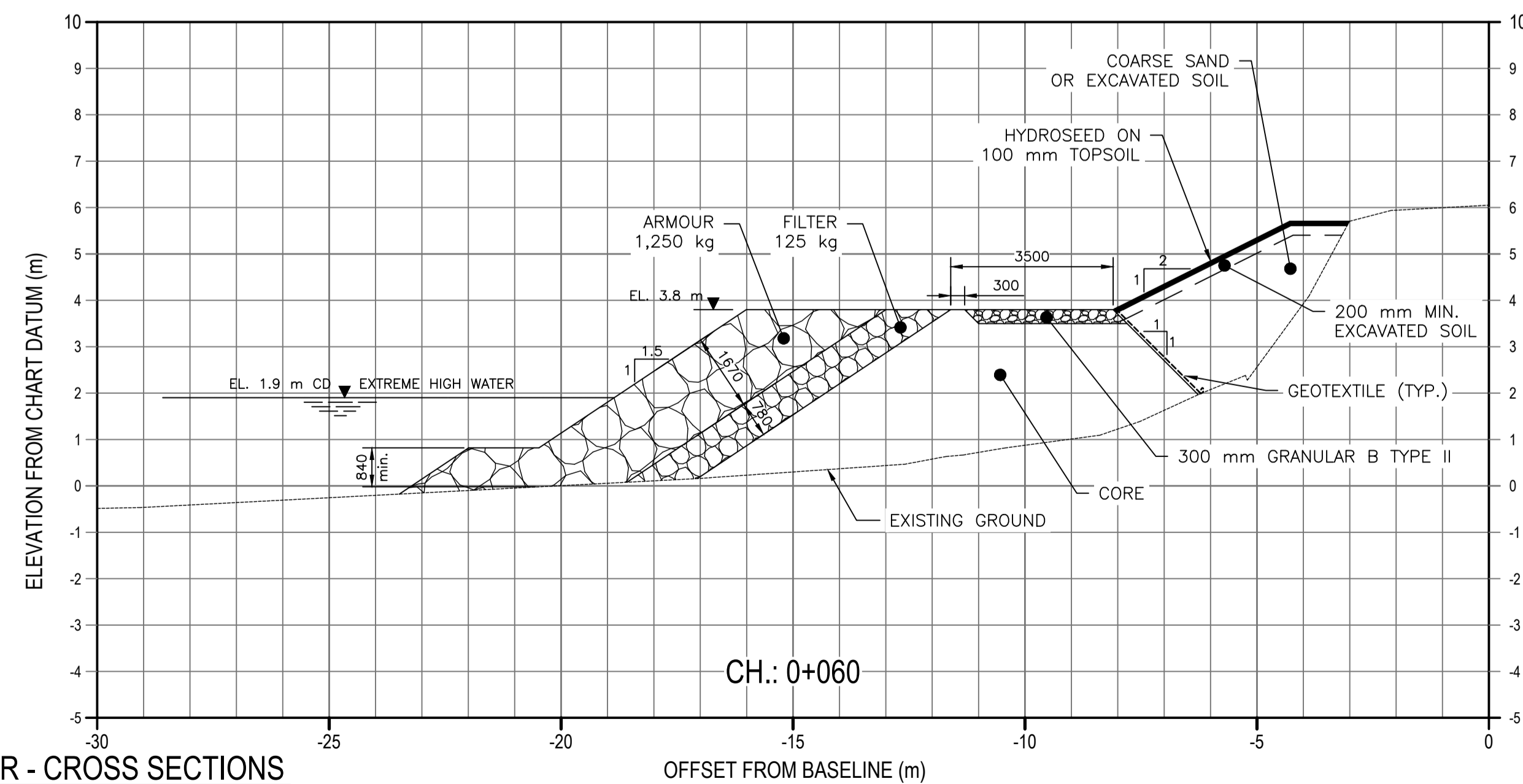
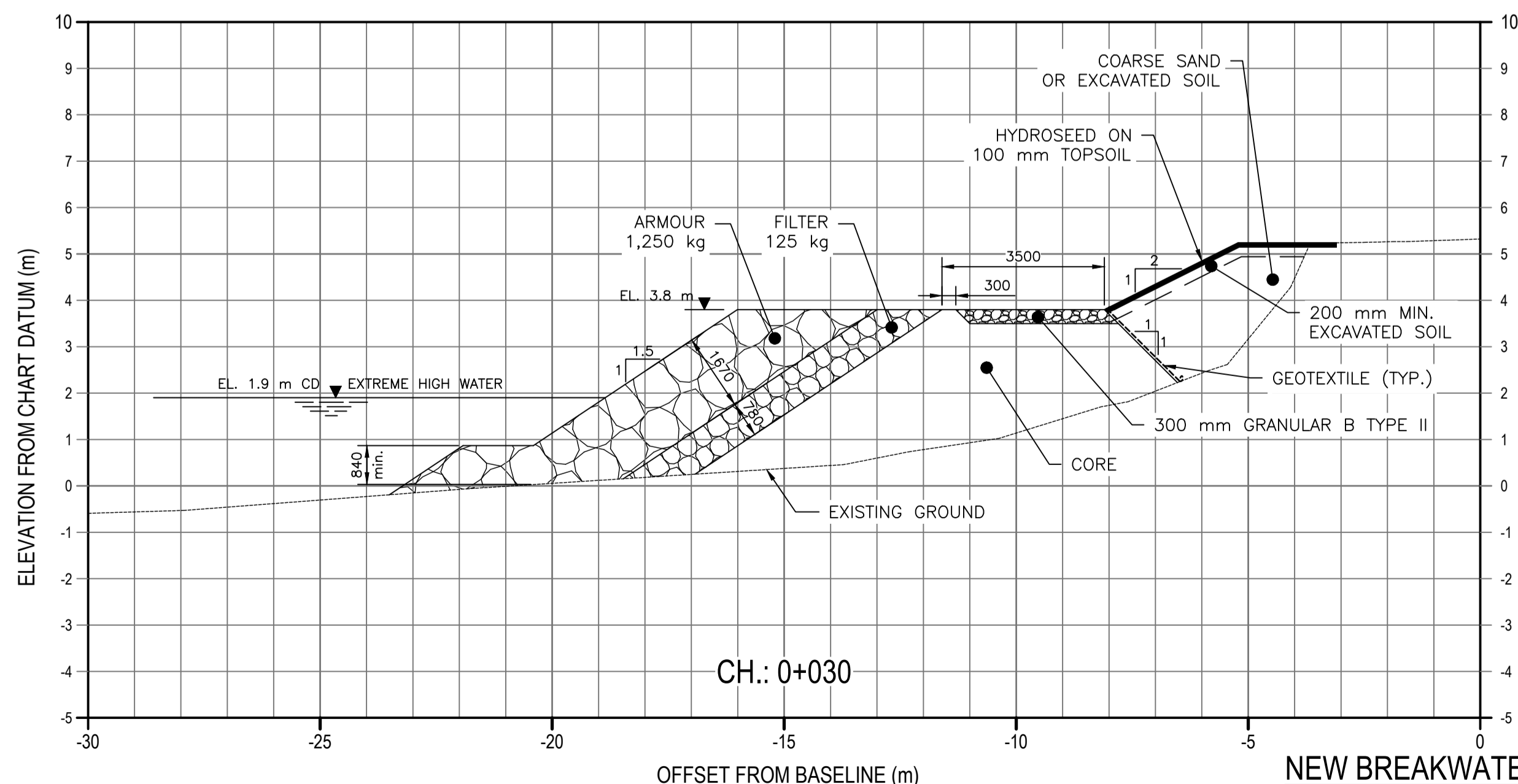
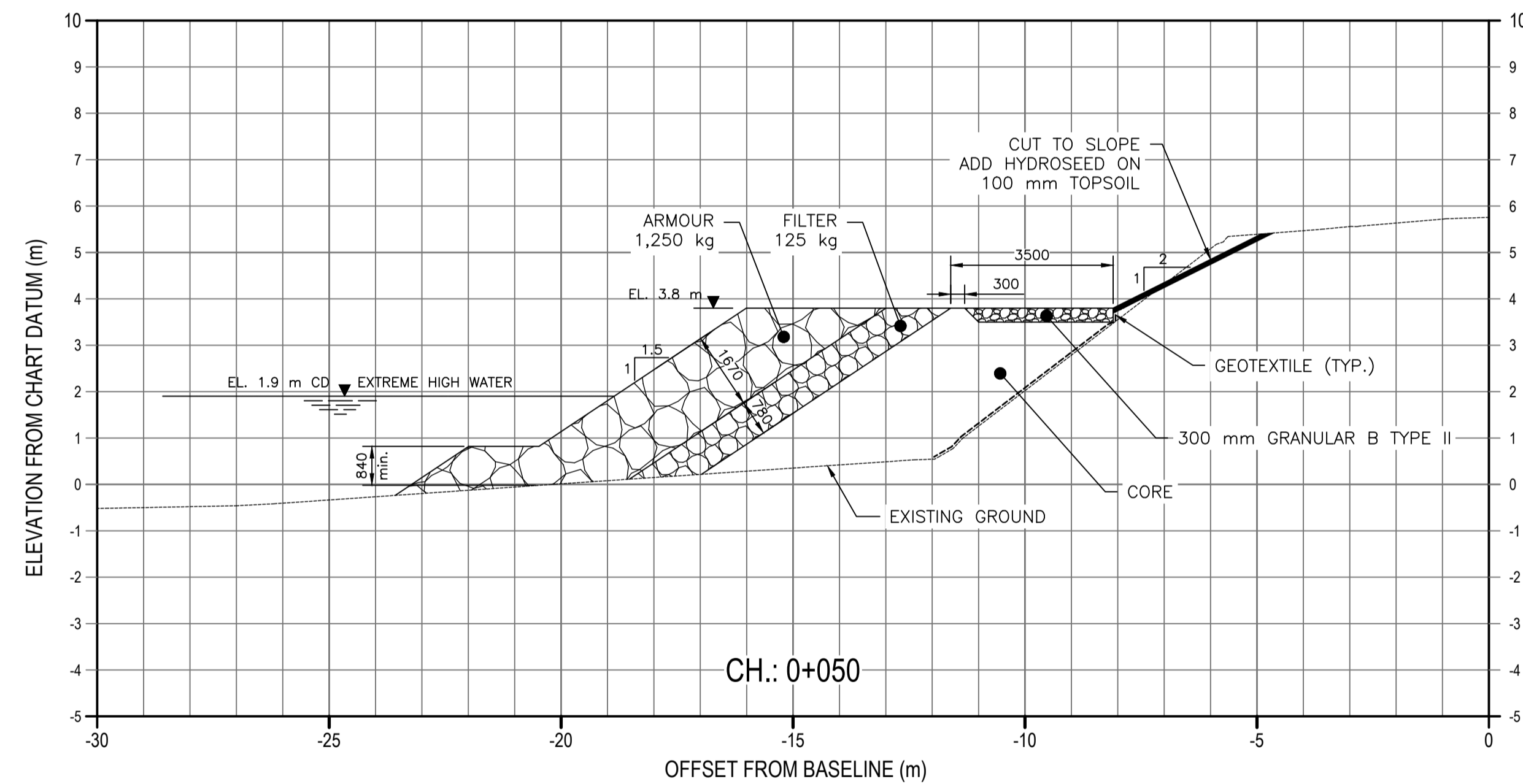
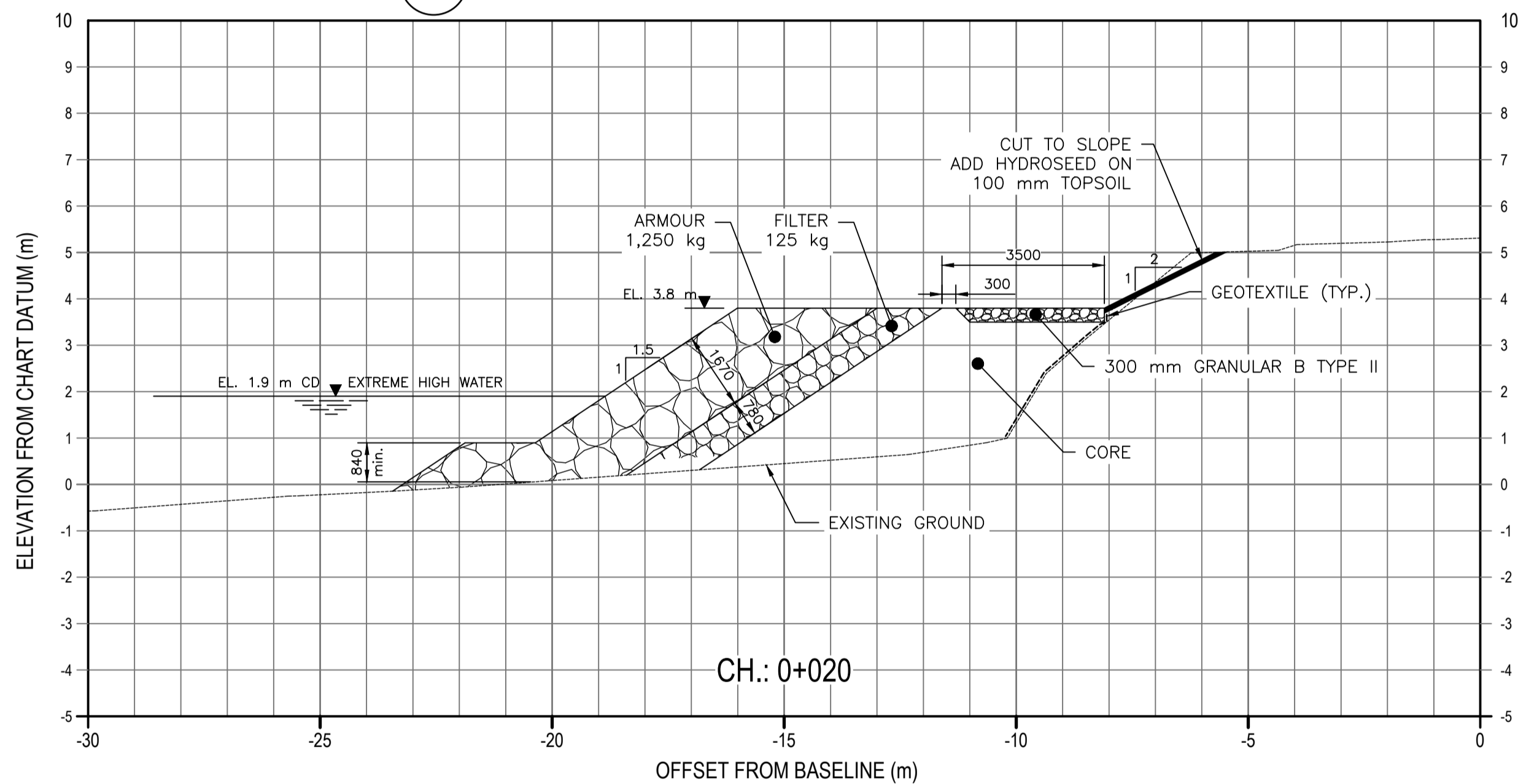
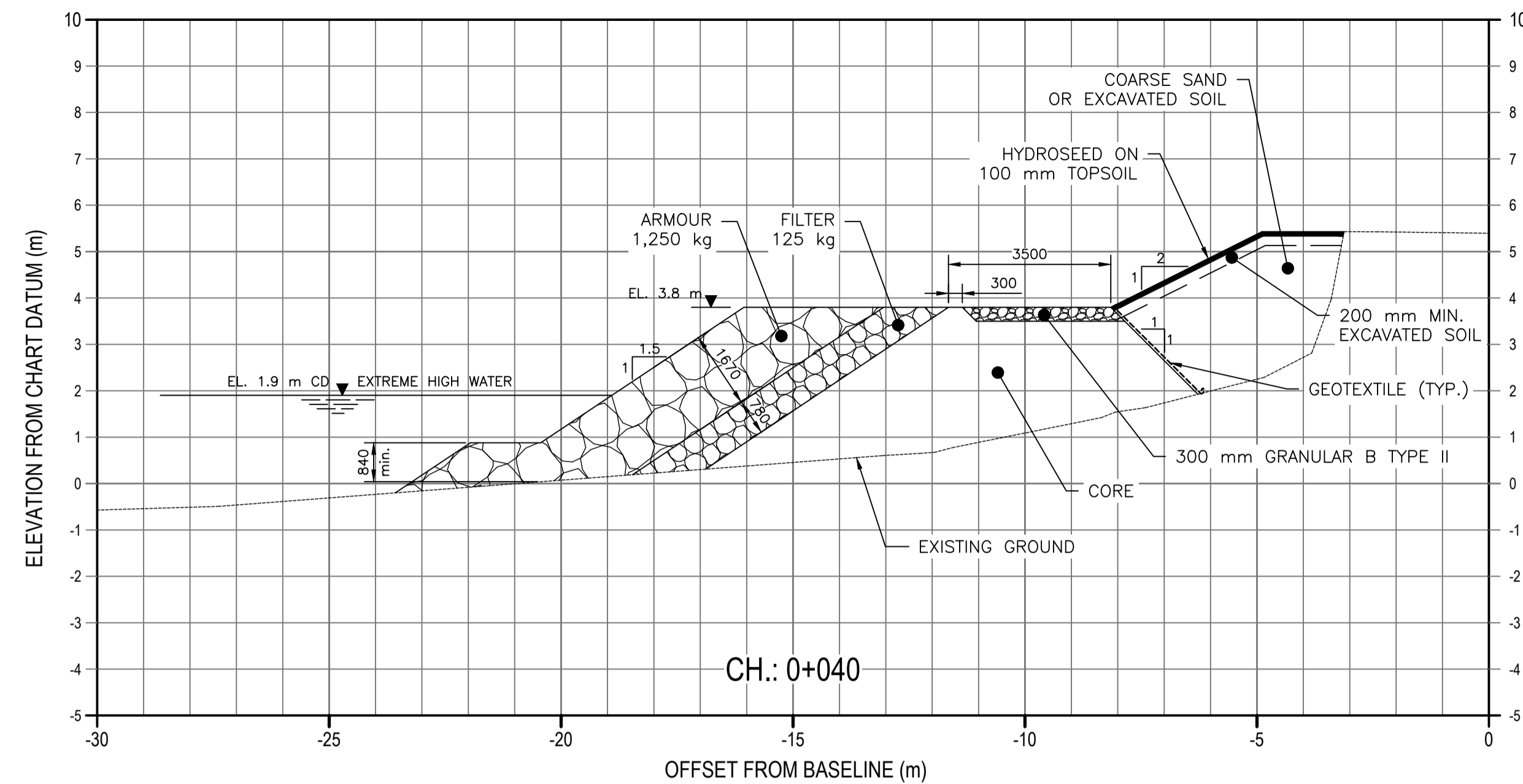
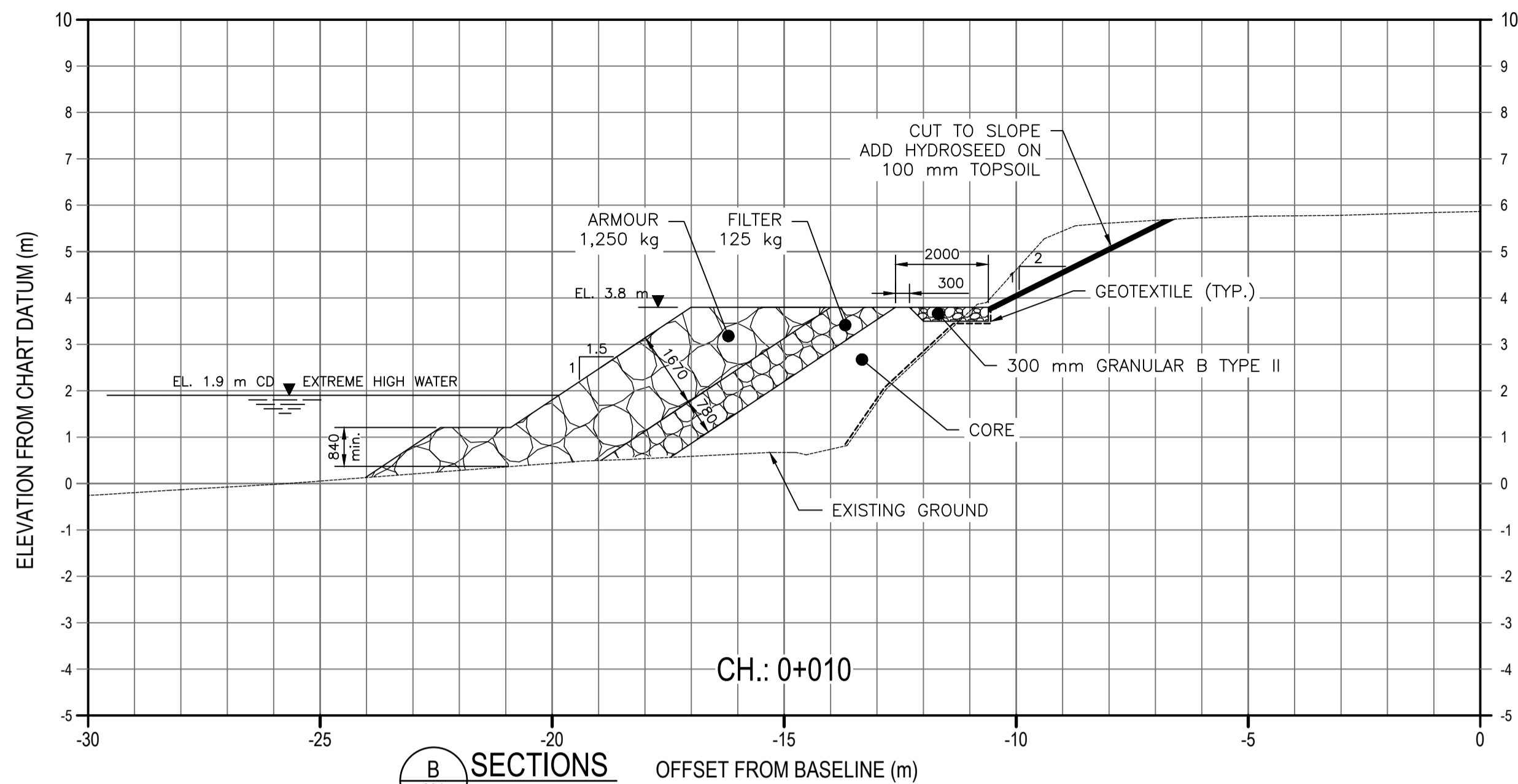
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Drawing no. / No. du dessin

C-202



NEW BREAKWATER - CROSS SECTIONS
1:100

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A C	A detail no. no. du détail B location drawing no. sur dessin no. C drawing no. dessin no.	A B C
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NIAGARA SHORE PROTECTION EMERGENCY REPAIRS

FORT MISSISSAUGA

drawing / dessin

NEW BREAKWATER CROSS SECTIONS - 2 AND ACCESS ROAD

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Tender		Soumission	

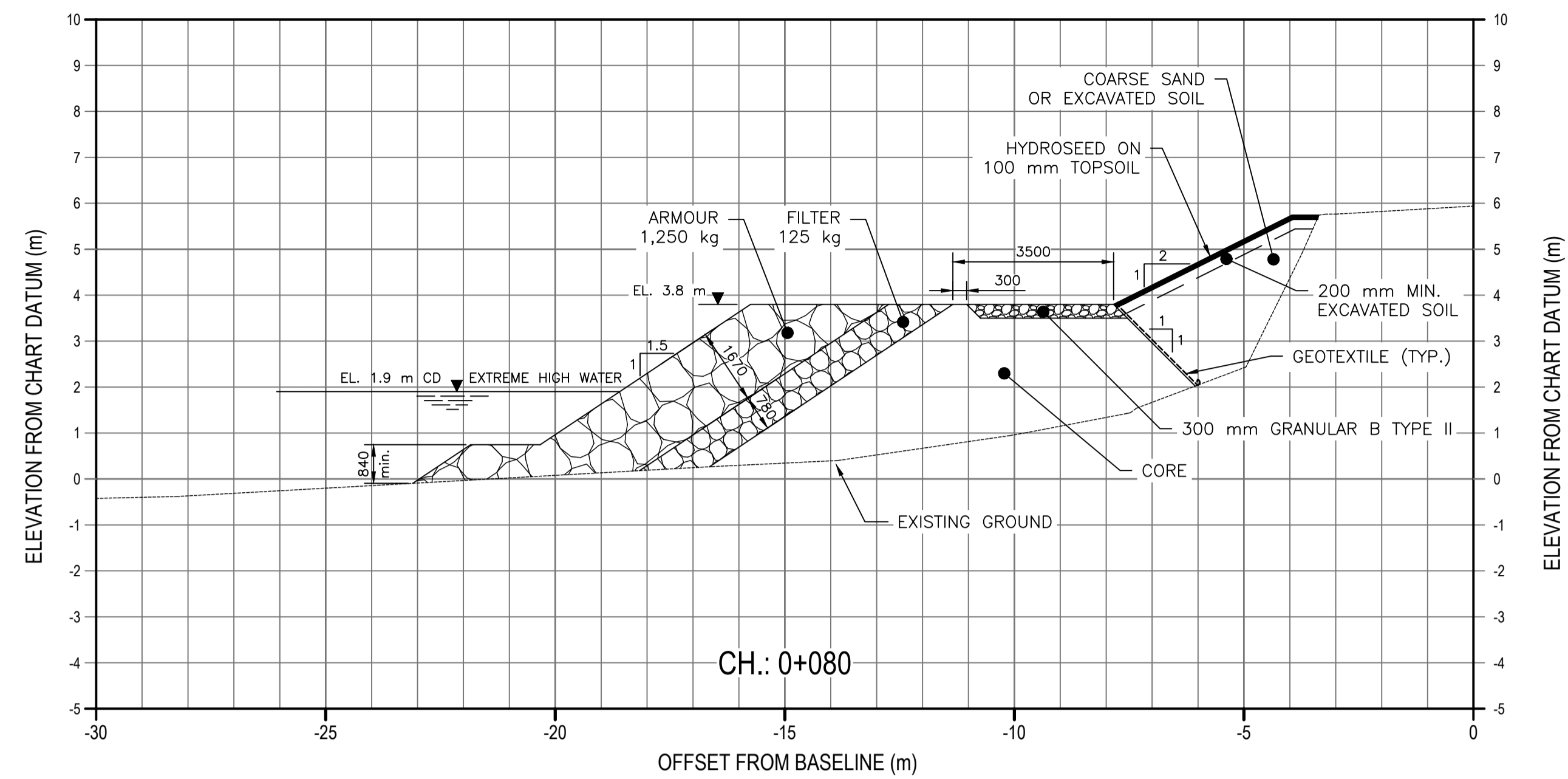
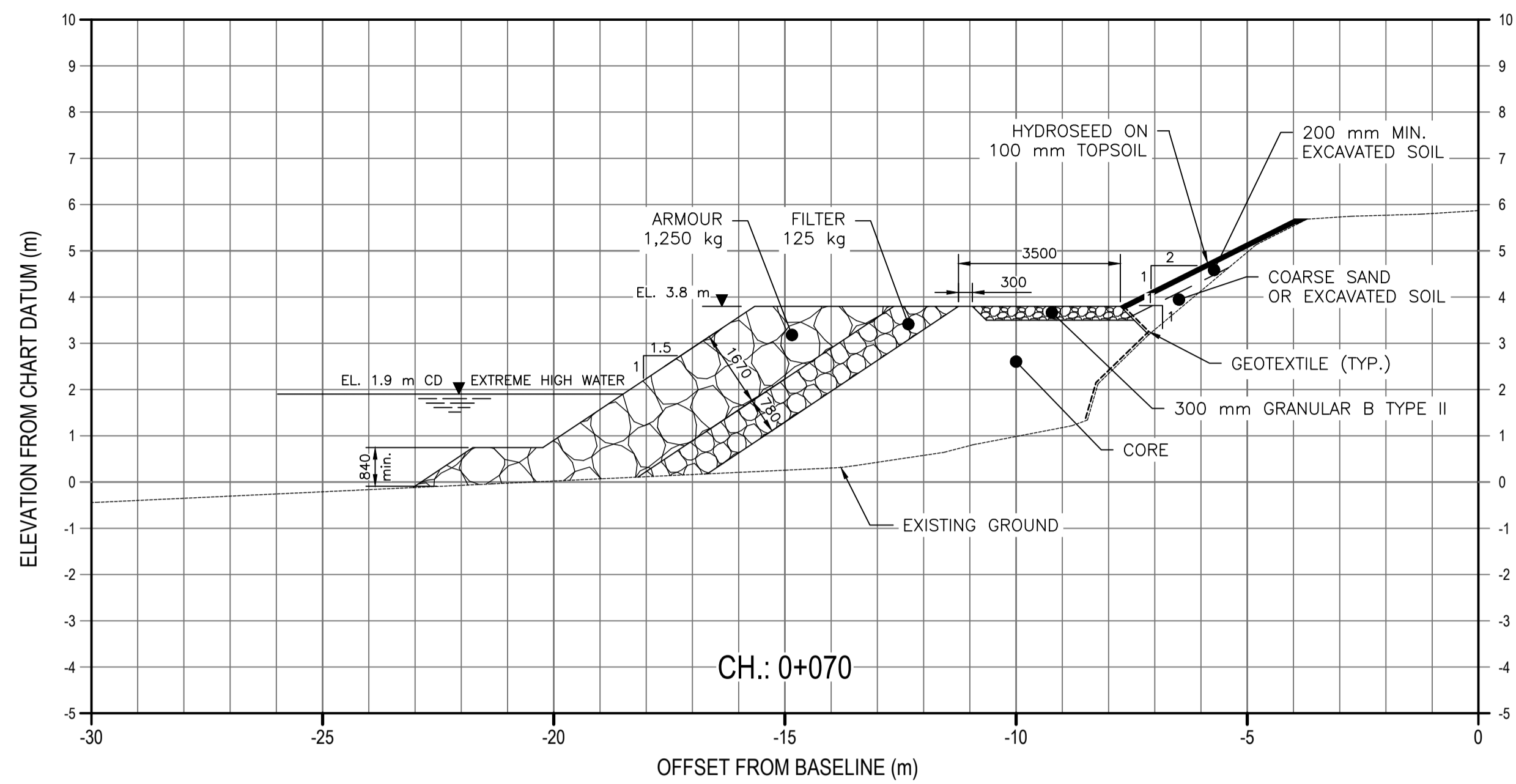
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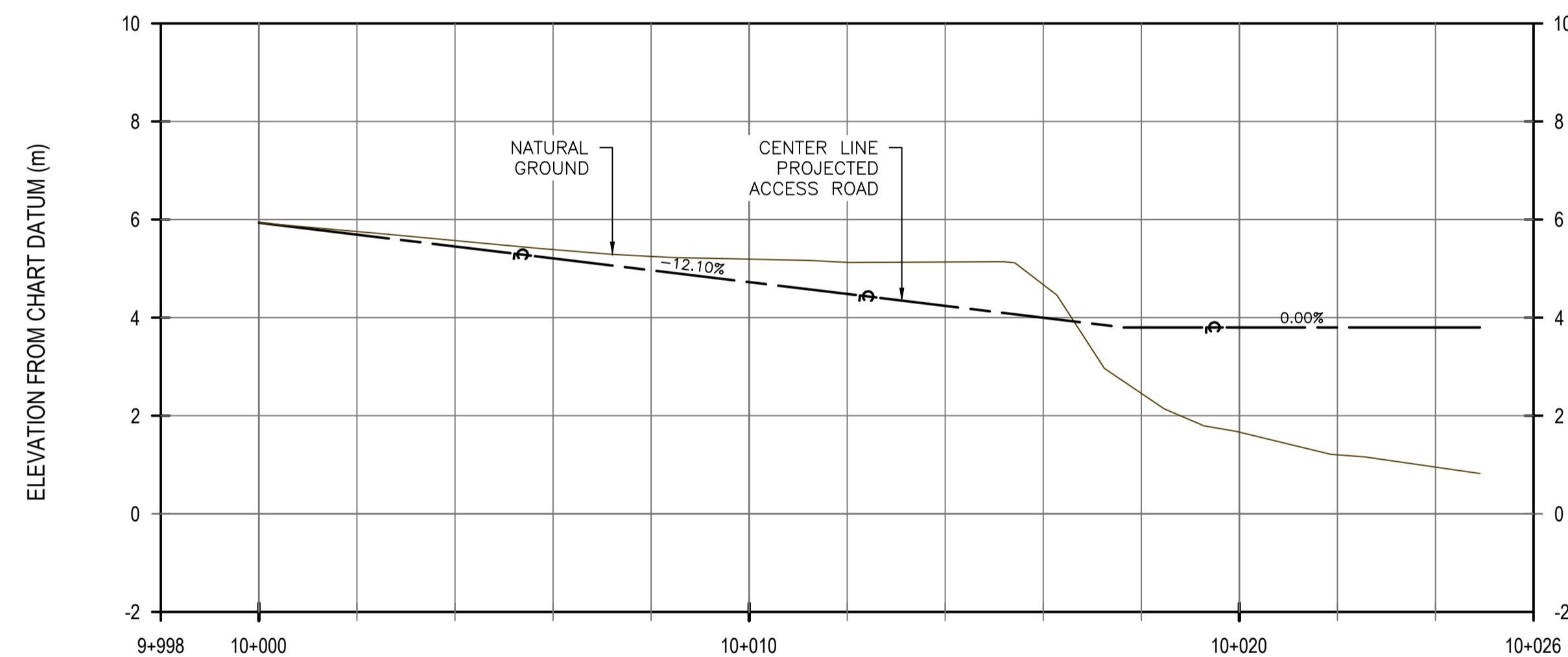
Drawing no. / No. du dessin

C-203



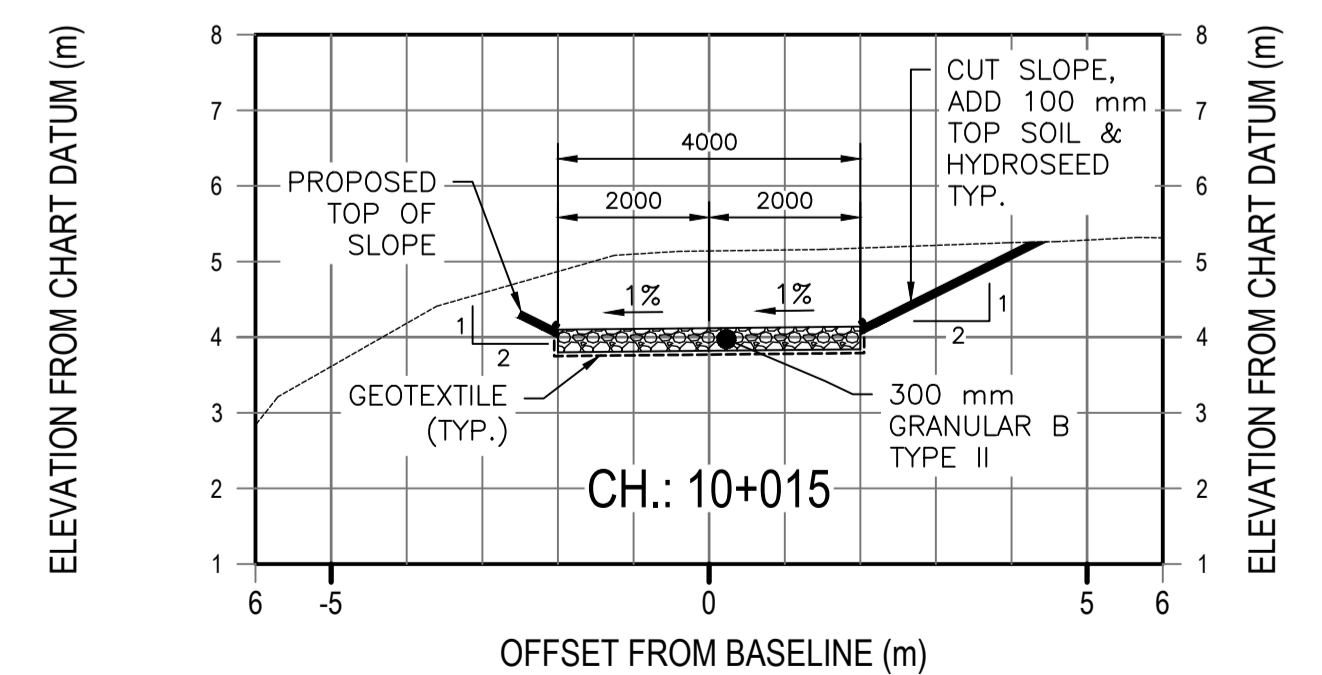
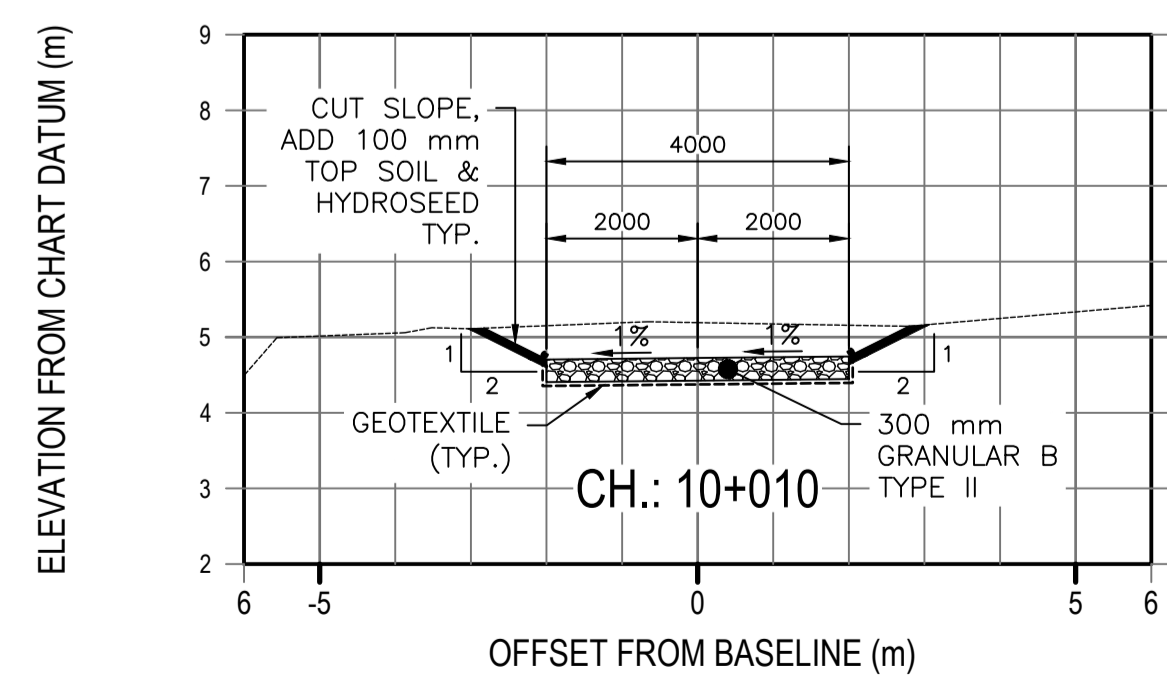
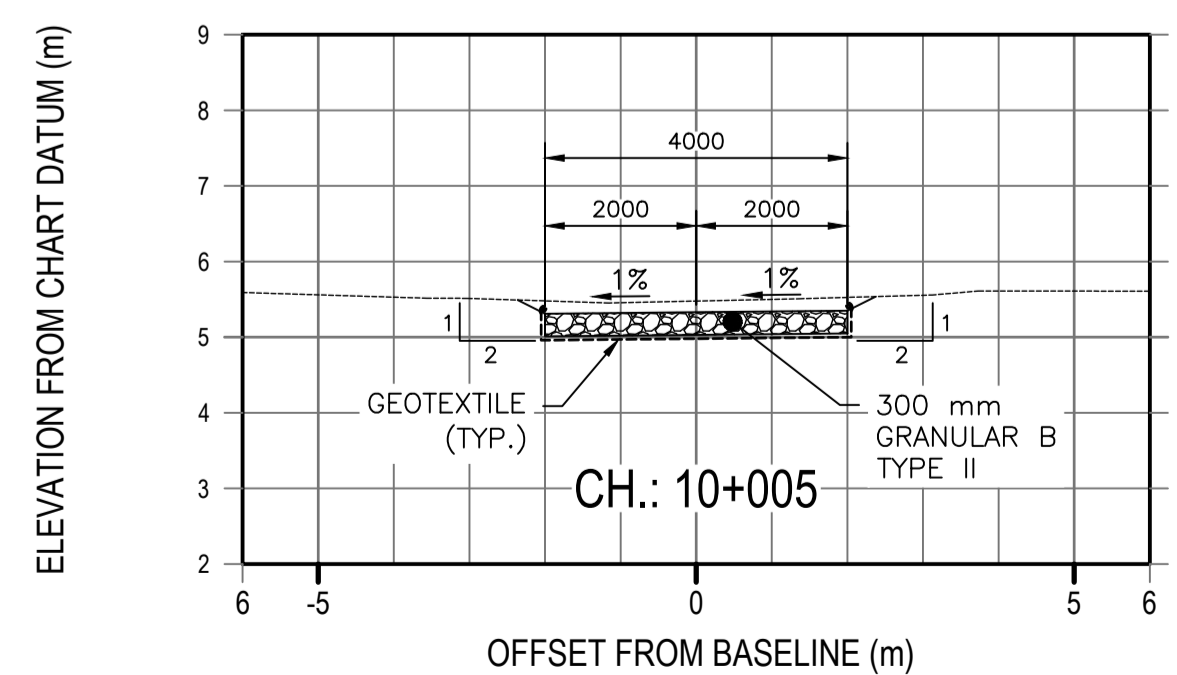
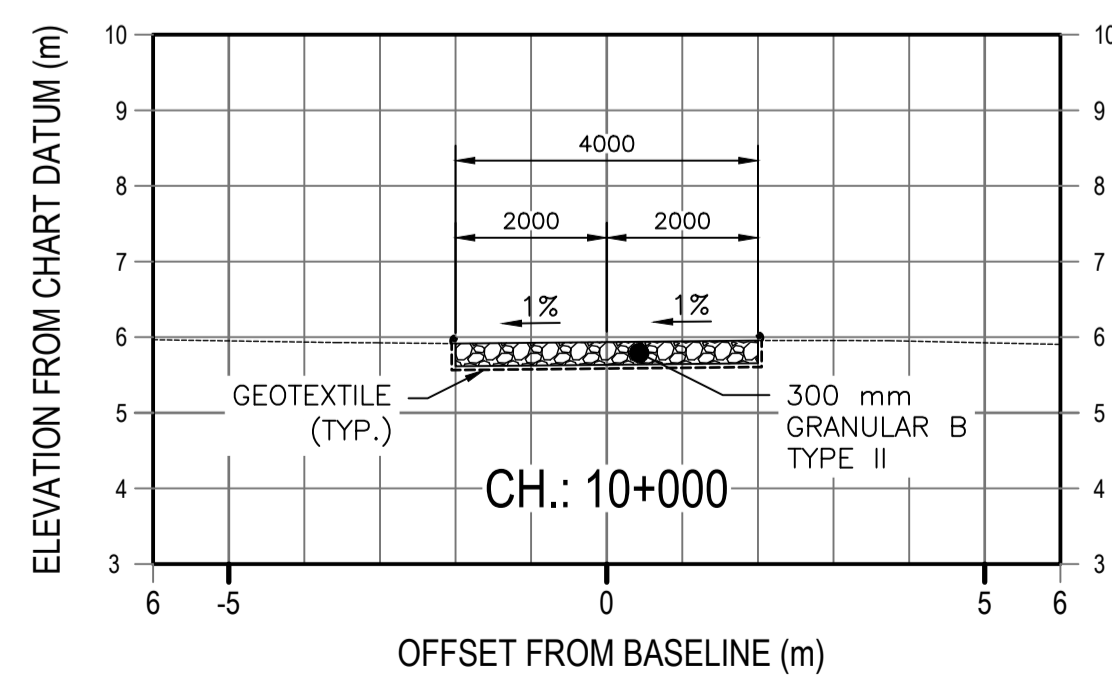
C SECTIONS
201

NEW BREAKWATER - CROSS SECTIONS
1:100



EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)	EXISTING (m)	PROPOSED (m)									
5.935	5.75	5.693	5.57	5.451	5.39	5.209	5.25	4.987	5.19	4.725	5.13	4.483	5.13	4.241	4.67	3.999	2.46	3.800	1.66	3.800	1.20	3.800	0.85	3.800

ACCESS ROAD - PROJECTED PROFILE
1:100



D SECTIONS
201

ACCESS ROAD - CROSS SECTIONS
1:100