

Public Works and Government Services Canada

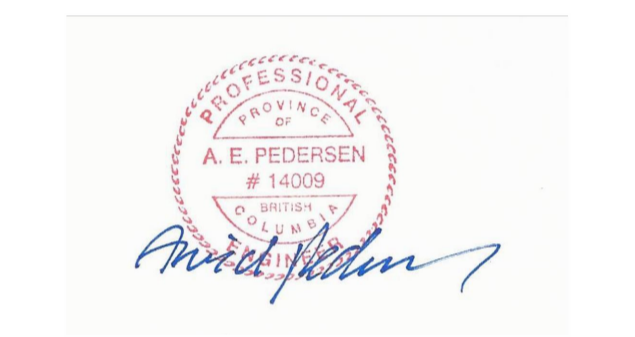
Travaux publics et Services gouvernementaux Canada

PORT EDWARD

- HARBOUR DEVELOPMENT PHASE 2 -

ISSUED FOR TENDER

DRAWING LIST						
DRAWING NO.	DRAWING TITLE	REVISION				
		A	B	C	D	E
217131-001	EXISTING SITE PLAN	A	B			
217131-002	GENERAL ARRANGEMENT	A	B			
217131-003	PROPOSED HARBOUR DEVELOPMENT	A	B			
217131-004	NEW FILL AREA - PLAN	A	B			
217131-005	NEW FILL AREA - SECTIONS	A	B			



Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/12
A	ISSUED FOR REVIEW	18/02/21

Client/client
Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division
 200 - 401 Burrard Street
 Vancouver, Canada, V6C 3S4

Project title/Titre du projet
PORT EDWARD
HARBOUR DEVELOPMENT
PHASE 2

Approved by/Approuvé par
 A.P.
 Designed by/Concept par
 A.P.
 Drawn by/Dessiné par
 PDM
 PWGSC Project Manager/Administrateur de Projets TPSCG
 PWGSC, Architectural and Engineering Resources Manager/
 Ressources Architectural et de Directeur d'Ingénierie, TPSCG
 Client/client
 VJA

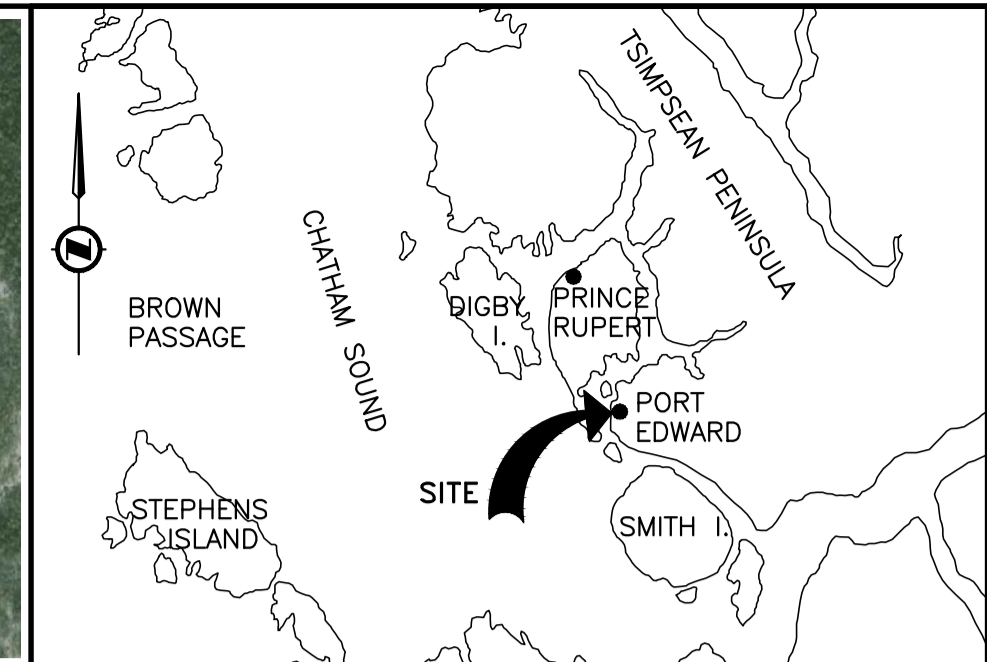
Drawing title/Titre du dessin
COVER PAGE

Project No./No. du projet 217131	Sheet/Feuille 000 OF	Revision no./La Révision no. B
-------------------------------------	----------------------------	-----------------------------------

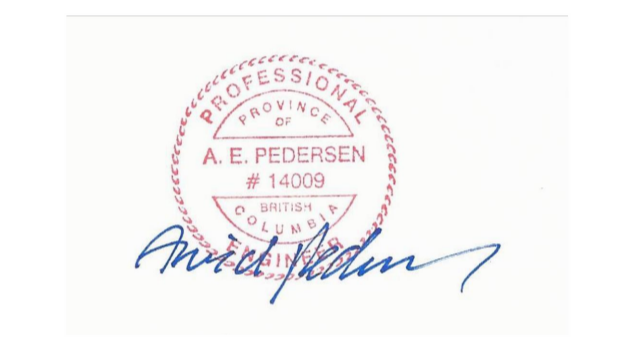
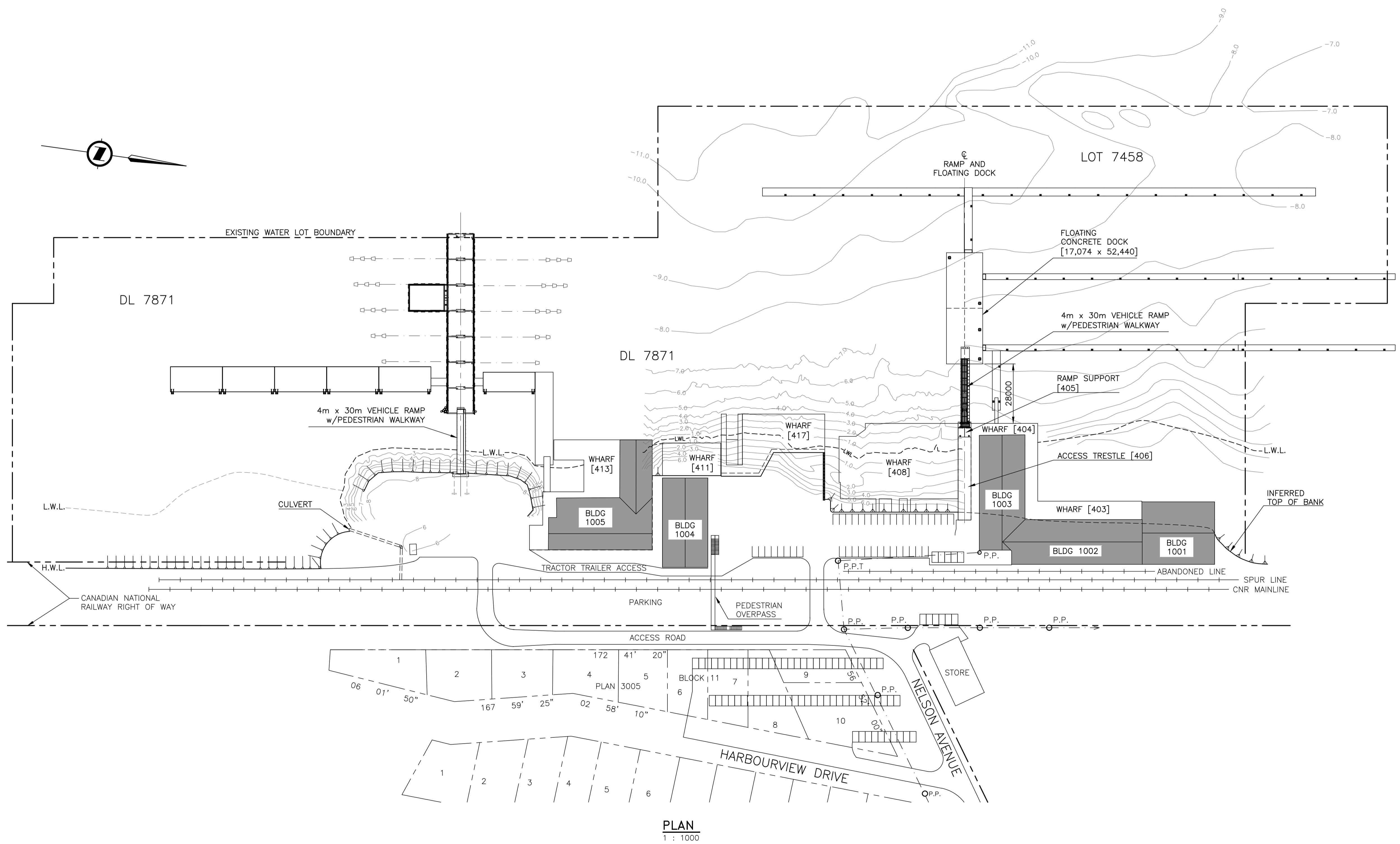
REFERENCE DRAWINGS	
DRAWING NO.	DRAWING TITLE
E650-01	WHARF 408 - DECK PLAN
E650-02	WHARF 408 - PILE AND PILE CAP PLAN
E623-02	WHARF 406 - SECTIONS WITH EXISTING STRUCTURES
212119-005	RAMP ABUTMENT - GENERAL ARRANGEMENT



KEY PLAN



LOCATION PLAN



Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/12
A	ISSUED FOR REVIEW	18/02/26

Client/client
**Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

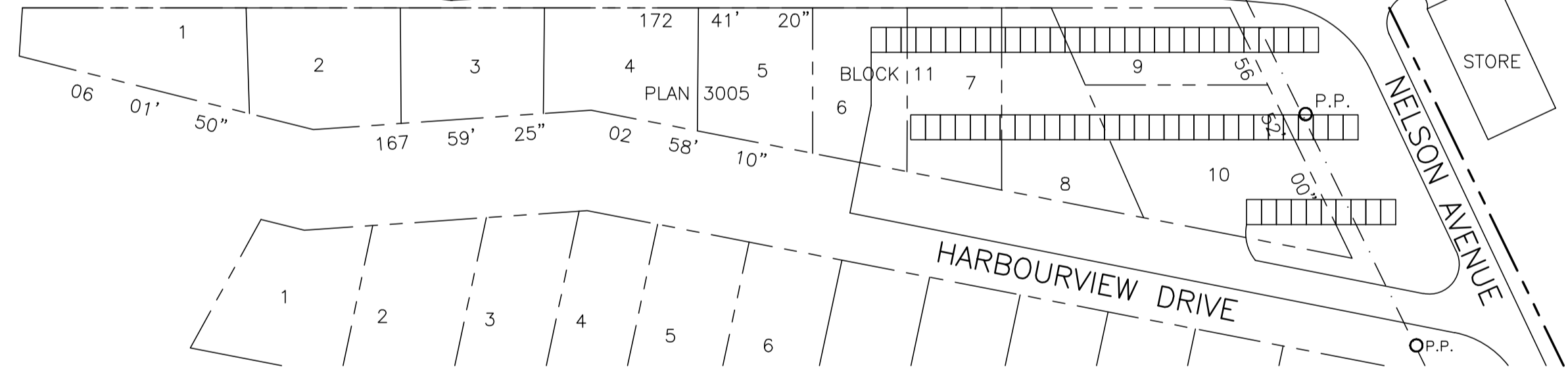
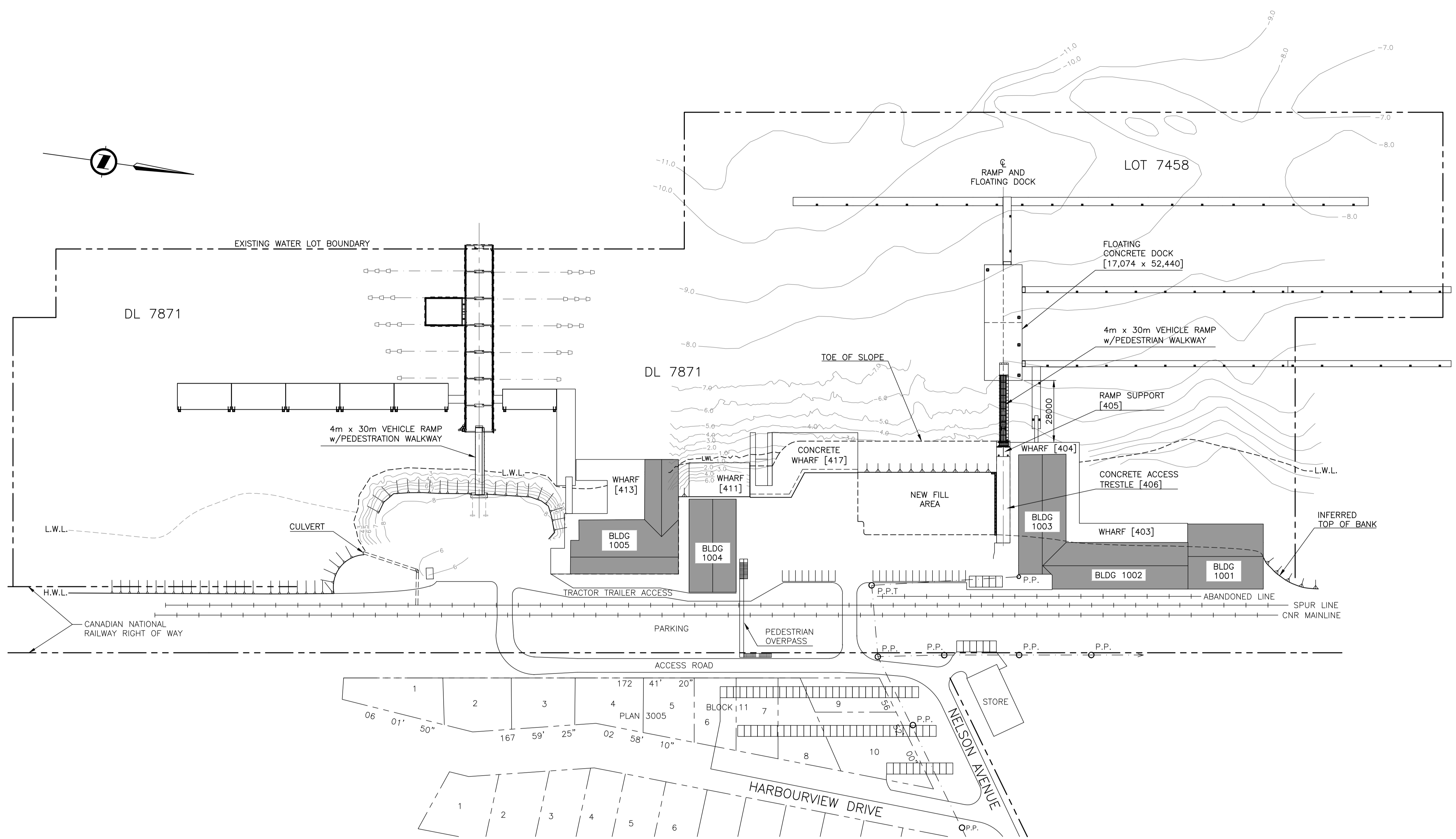
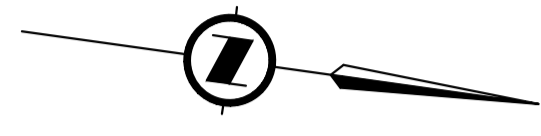
Project title/Titre du projet
**PORT EDWARD
HARBOUR
DEVELOPMENT
PHASE 2**

Approved by/Approuvé par
A.P.
Designed by/Concept par
A.P.
Drawn by/Dessiné par
PDM
PWSC Project Manager/Administrateur de Projets TPSCG
PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSCG
Client/client
VJA

Drawing title/Titre du dessin
EXISTING SITE PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
217131	001 OF	B

NOTES:
1. FOR GENERAL NOTES, REFER TO DRAWING -002.



PLAN
1 : 1000

GENERAL NOTES

- GENERAL**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL ELEVATIONS ARE IN METRES AND ARE TO TIDE & CHART DATUM.
 - PLAN BASED ON SMALL CRAFT HARBOUR'S FACILITY PLAN FOR PORT EDWARD.
 - BATHYMETRY BASED ON DRAWING No. 5456-D-01.1 BY BALANCED ENVIRONMENTAL, DATED JANUARY 24, 2013 AND SPOT SOUNDINGS BY VJA/CIE FEBRUARY/MARCH 2018.

DESIGN CRITERIA

- ENVIRONMENTAL**
 - TIDES:**

HIGHER HIGH WATER LEVEL (H.H.W.L.)	+7.4 m
MEAN WATER LEVEL (M.W.L.)	+3.8 m
LOWER LOW WATER LEVEL (L.L.W.L.)	+0.1 m
 - WIND:**

DESIGN WIND SPEED (1 IN 50 YEARS)	= 28.9 m/s
DESIGN WIND SPEED (1 IN 10 YEARS)	= 25.5 m/s
 - CURRENT VELOCITY** = 1m/s
 - SNOW LOAD:**

SPECIFIED GROUND SNOW LOAD	Ss = 1.9kPa
SPECIFIED ASSOCIATED RAIN LOAD	Sr = 0.4kPa
 - SEISMIC:**

PGA (BCBC)	0.18
Sa(0.2)=0.38, Sa(0.5)=0.25, Sa(1.0)=0.15, Sa(2.0)=0.086	



Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/27
A	ISSUED FOR REVIEW	18/02/26

Client/client
**Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

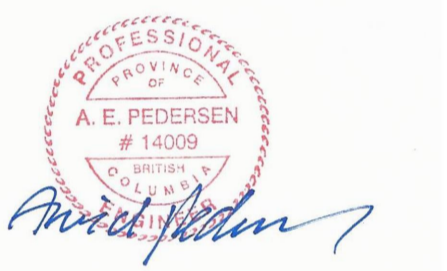
Project title/Titre du projet
**PORT EDWARD
HARBOUR
DEVELOPMENT
PHASE 2**

Approved by/Approuvé par
A.P.
Designed by/Concept par
A.P.
Drawn by/Dessiné par
PDM
PWSC Project Manager/Administrateur de Projets TPSCG

PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSCG
Client/client
VJA

Drawing title/Titre du dessin
GENERAL ARRANGEMENT

Project No./No. du projet 217131	Sheet/Feuille 002 OF	Revision no./ La Révision no. B
--	-----------------------------------	---



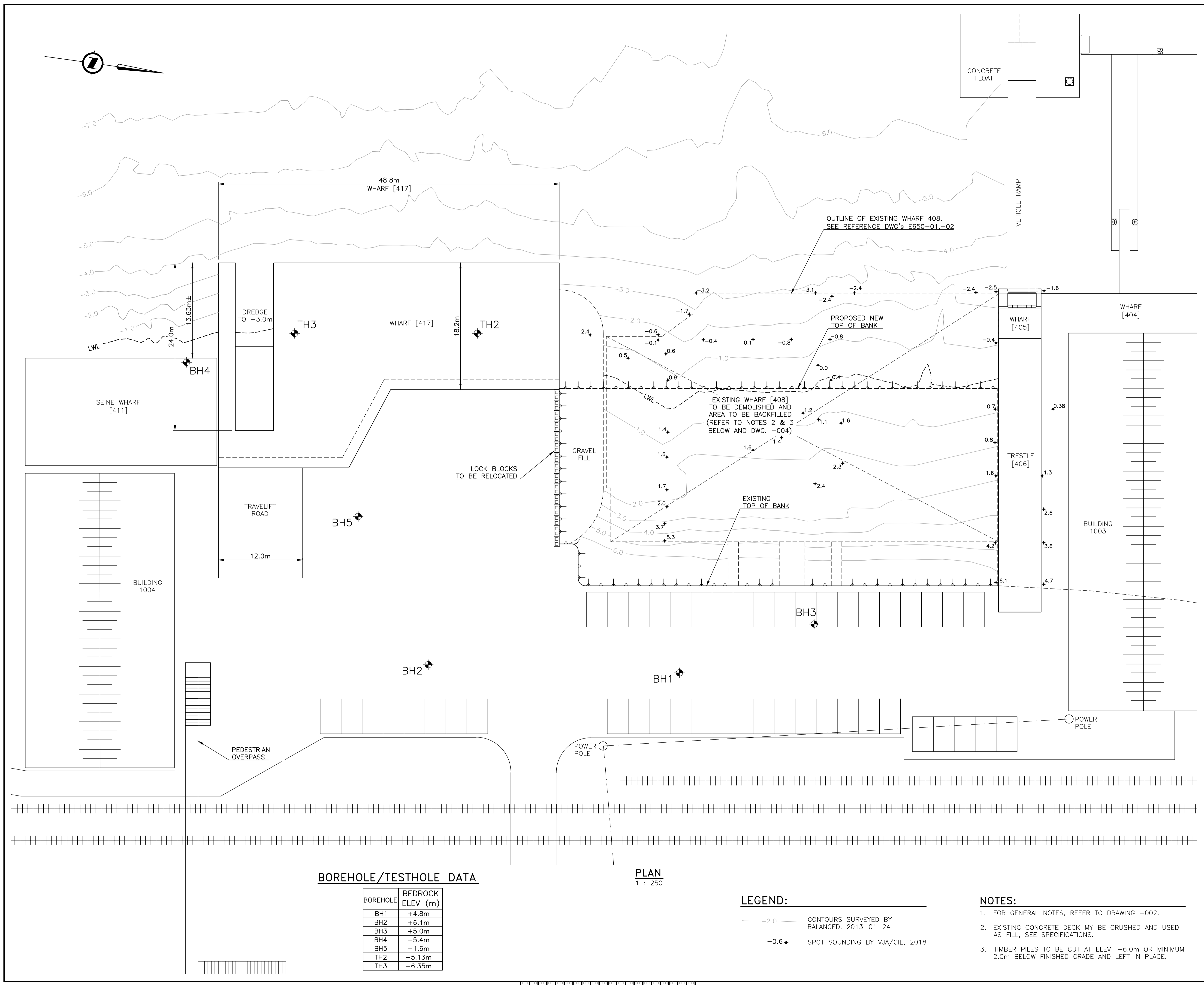
Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/27
A	ISSUED FOR REVIEW	18/02/26

Client/client
**Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

Project title/Titre du projet
**PORT EDWARD
HARBOUR
DEVELOPMENT
PHASE 2**

Approved by/Approuvé par
A.P.
Designed by/Concept par
A.P.
Drawn by/Dessiné par
PDM
PWGSC Project Manager/Administrateur de Projets TPSCG
PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSCG
Client/client
VJA
Drawing title/Titre du dessin
**PROPOSED HARBOUR
DEVELOPMENT**

Project No./No. du projet 217131	Sheet/Feuille 003 OF	Revision no./ La Révision no. B
--	-----------------------------------	--



BOREHOLE/TESTHOLE DATA

BOREHOLE	BEDROCK ELEV (m)
BH1	+4.8m
BH2	+6.1m
BH3	+5.0m
BH4	-5.4m
BH5	-1.6m
TH2	-5.13m
TH3	-6.35m

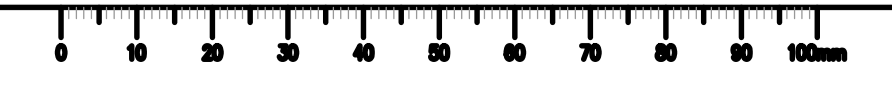
PLAN
1 : 250

LEGEND:

- 2.0 CONTOURS SURVEYED BY BALANCED, 2013-01-24
- 0.6+ SPOT SOUNDING BY VJA/CIE, 2018

NOTES:

- FOR GENERAL NOTES, REFER TO DRAWING -002.
- EXISTING CONCRETE DECK MAY BE CRUSHED AND USED AS FILL, SEE SPECIFICATIONS.
- TIMBER PILES TO BE CUT AT ELEV. +6.0m OR MINIMUM 2.0m BELOW FINISHED GRADE AND LEFT IN PLACE.





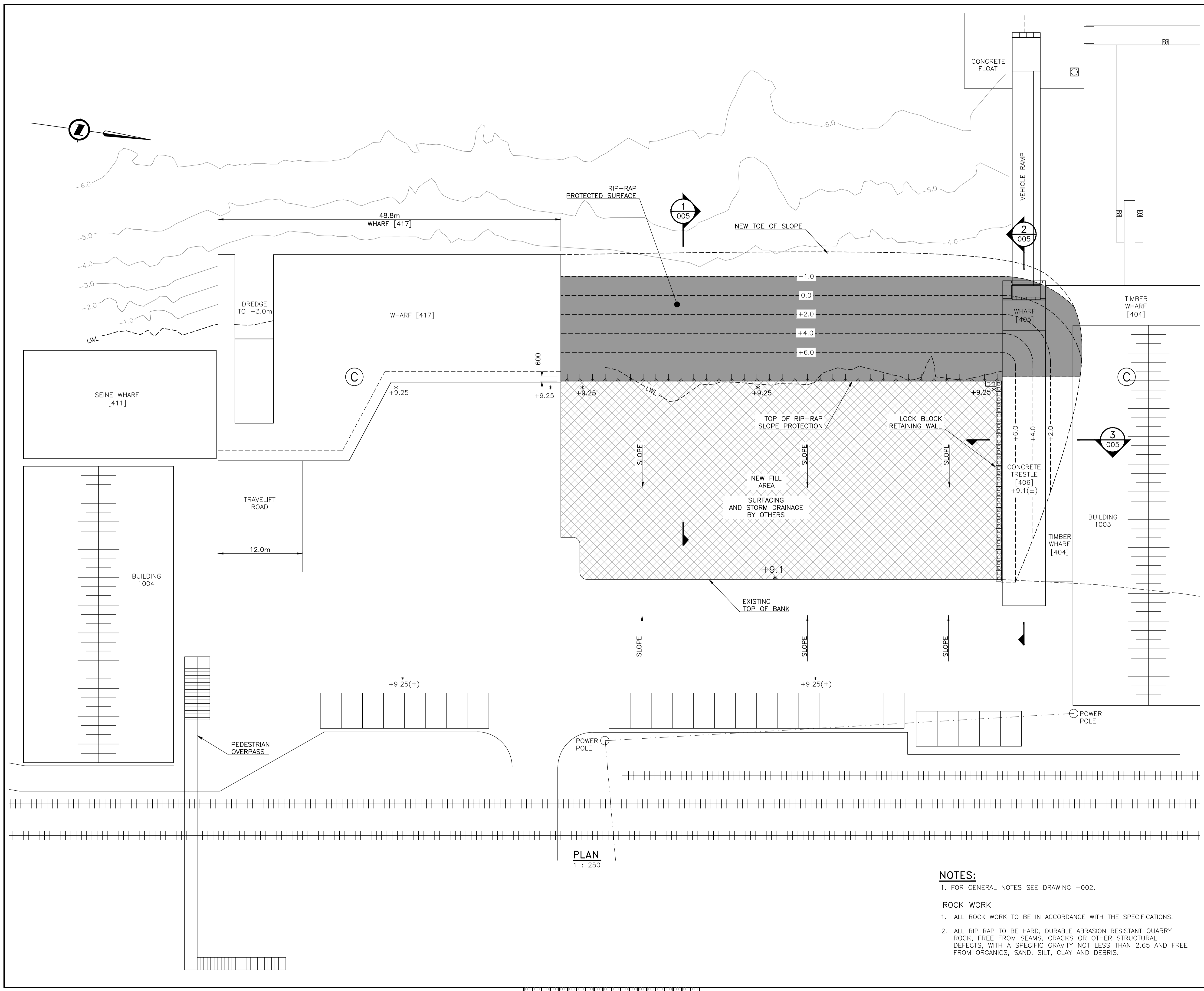
Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/27
A	ISSUED FOR REVIEW	18/02/26

Client/client
**Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

Project title/Titre du projet
**PORT EDWARD
HARBOUR
DEVELOPMENT
PHASE 2**

Approved by/Approuvé par
A.P.
Designed by/Concept par
A.P.
Drawn by/Dessiné par
PDM
PWGSC Project Manager/Administrateur de Projets TPSCG
PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG
Client/client
VJA
Drawing title/Titre du dessin

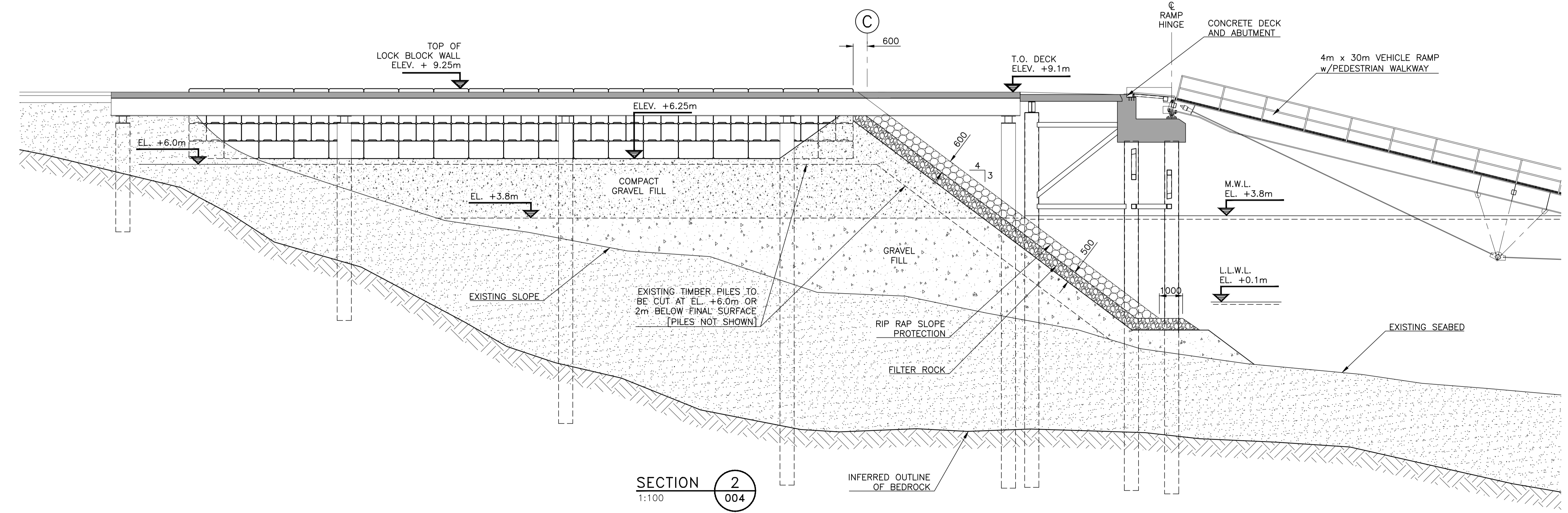
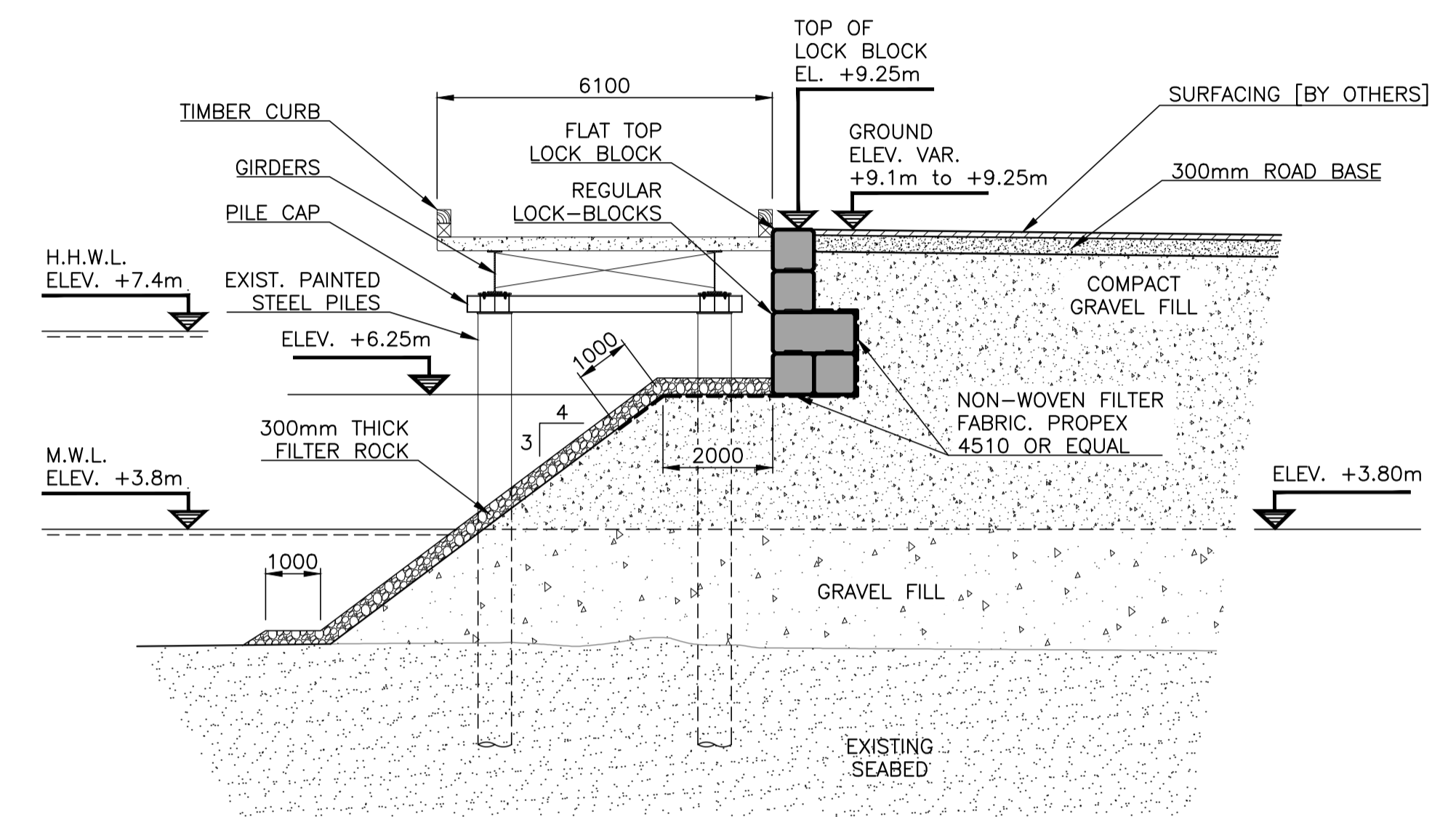
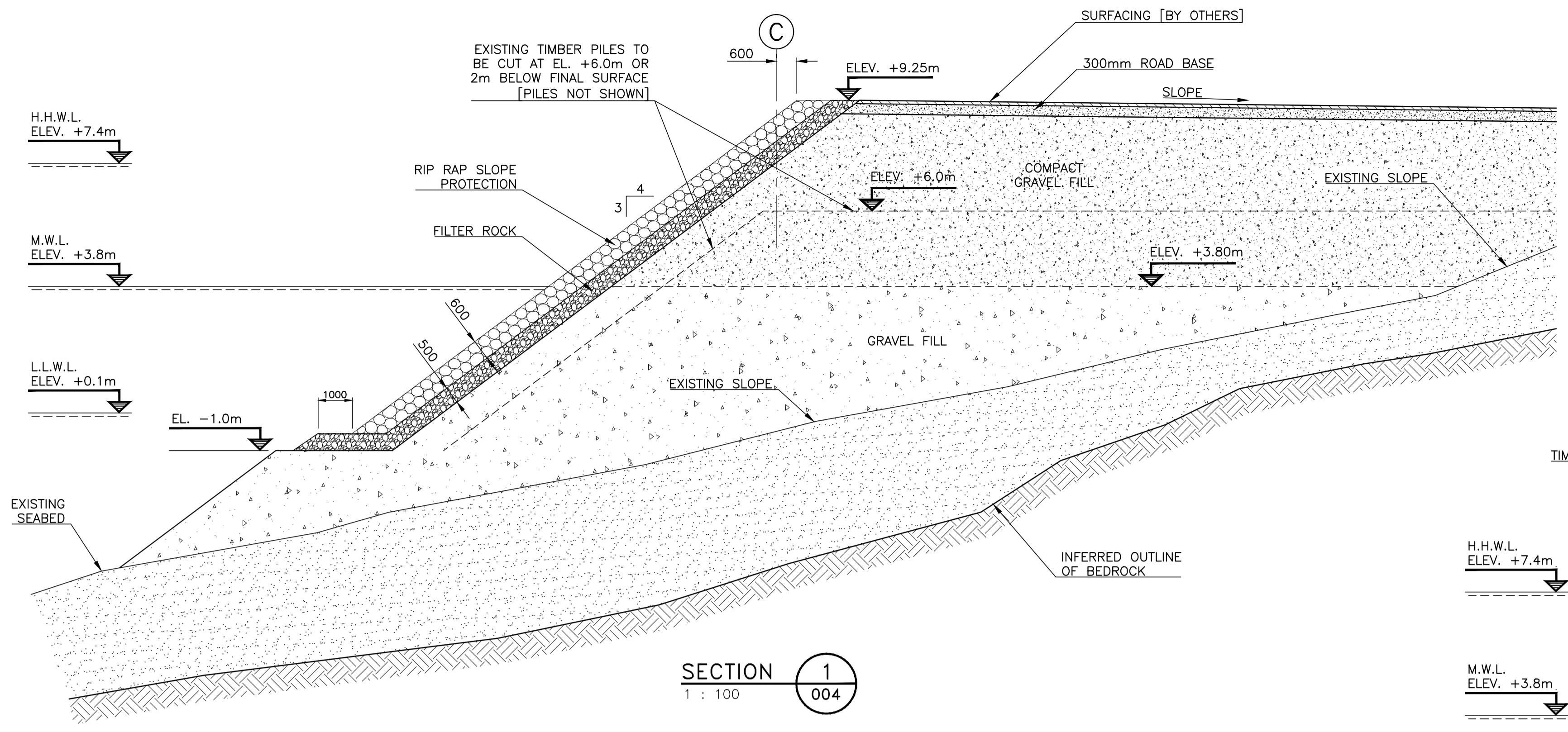
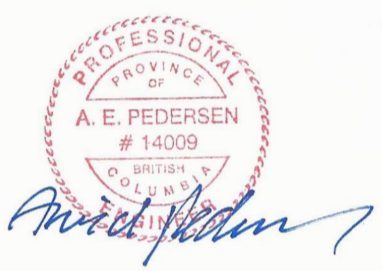
NEW FILL AREA PLAN		
Project No./No. du projet 217131	Sheet/Feuille 004 OF	Revision no./ La Révision no. B



PLAN
1 : 250

NOTES:

- FOR GENERAL NOTES SEE DRAWING -002.
- ROCK WORK**
 - ALL ROCK WORK TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
 - ALL RIP RAP TO BE HARD, DURABLE ABRASION RESISTANT QUARRY ROCK, FREE FROM SEAMS, CRACKS OR OTHER STRUCTURAL DEFECTS, WITH A SPECIFIC GRAVITY NOT LESS THAN 2.65 AND FREE FROM ORGANICS, SAND, SILT, CLAY AND DEBRIS.



NOTES:
1. FOR GENERAL NOTES SEE DRAWING -002.

Revision/	Description/Description	Date/Date
B	ISSUED FOR TENDER	18/03/27
A	ISSUED FOR REVIEW	18/02/26

Client/client
**Fisheries & Oceans Canada
Small Craft Harbours Branch
Pacific Division**
200 - 401 Burrard Street
Vancouver, Canada, V6C 3S4

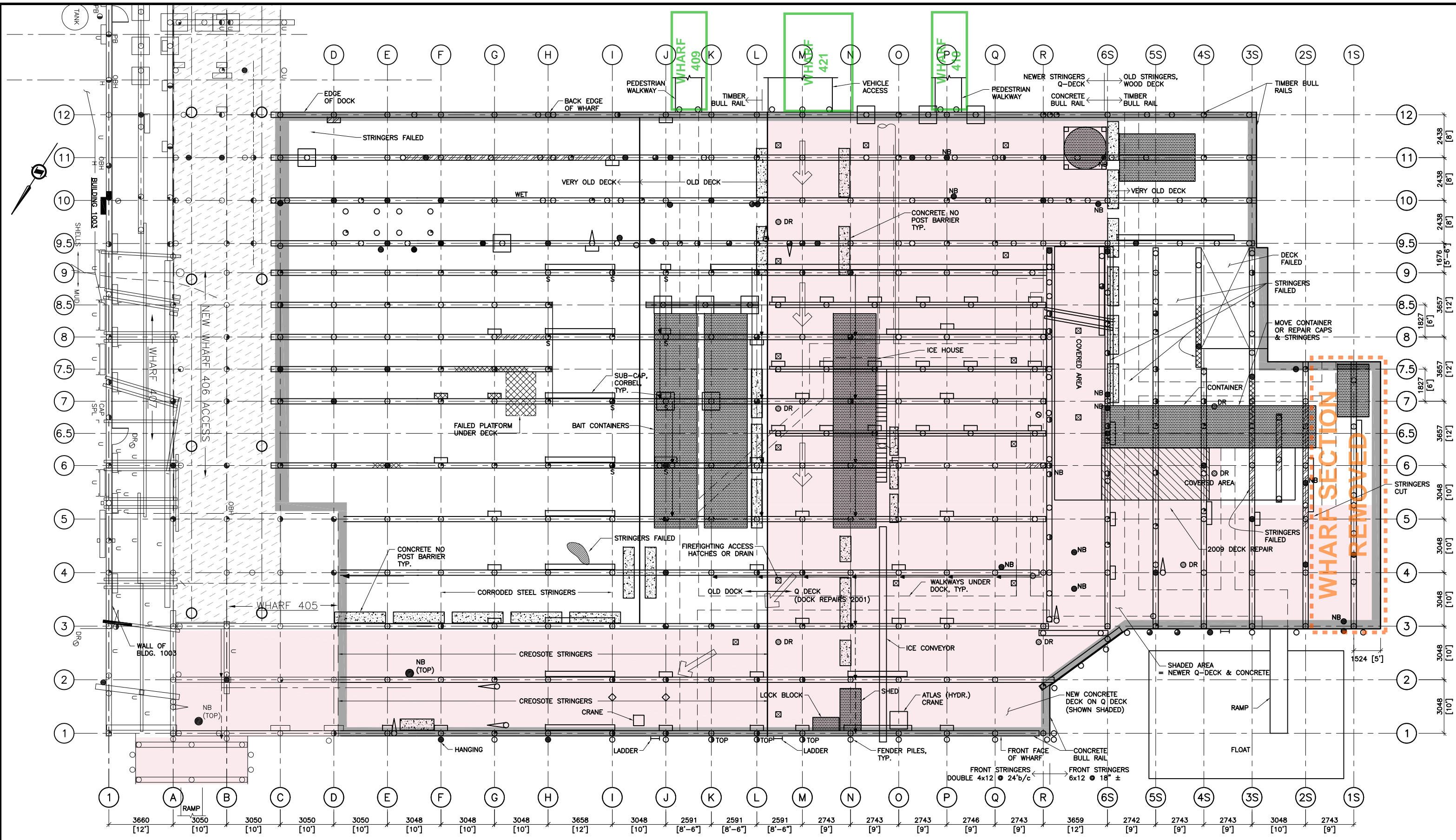
Project title/Titre du projet
**PORT EDWARD
HARBOUR
DEVELOPMENT
PHASE 2**

Approved by/Approuvé par
A.P.
Designed by/Concept par
A.P.
Drawn by/Dessiné par
PDM
PWGSC Project Manager/Administrateur de Projets TPSCG

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSCG
Client/client
VJA

Drawing title/Titre du dessin
NEW FILL AREA SECTIONS

Project No./No. du projet 217131	Sheet/Feuille 005 OF	Revision no./ La Révision no. B
-------------------------------------	-----------------------------------	--



- NOTES:**
1. ALL DIMENSIONS ARE APPROXIMATE ONLY.
 2. DECK & STRINGER DAMAGE SHOWN ON THIS DWG.
 3. NOT ALL CORBELS, CAP SPLICES OR BRACING SHOWN.
 4. FOR LEGEND, SEE DWG E650-02.

DECK PLAN
SCALE: 1:200

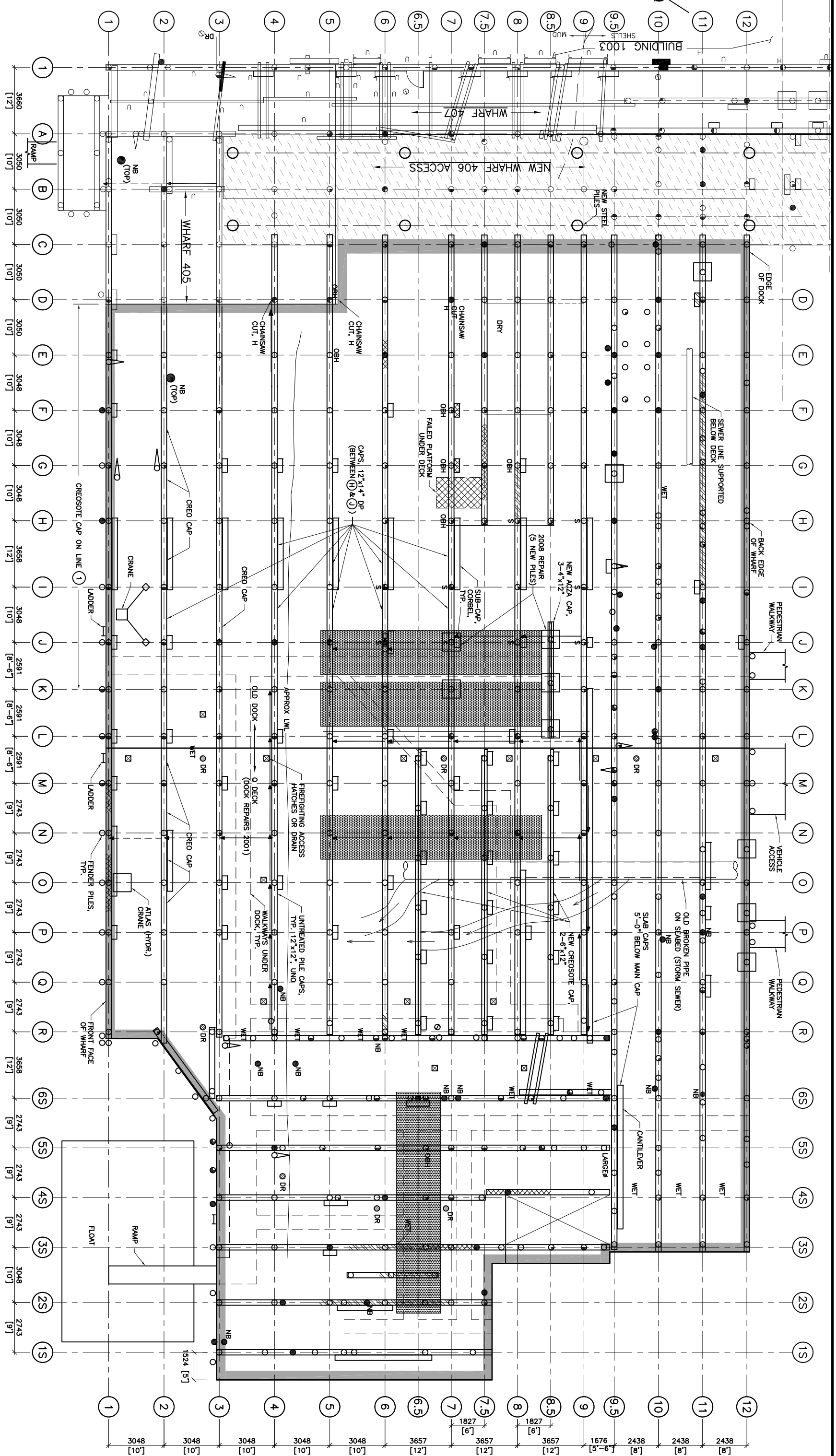
**PORT EDWARD
WHARF #408**

Revisions	DATE
A ISSUED FOR REPORT	JAN 2012

**COAST ISLE
ENGINEERING
LTD.**
(250) 624-6581

Title: DECK PLAN
Client: SMALL CRAFT HARBOURS
Scale: 1:200
Drwn: RR Chkd: JT Dwg: E650-01
Date: JAN 2012

March 29, 2012 11:24:23 AM



LEGEND:

- PILE >90% DETERIORATED
- PILE 50-75% DETERIORATED
- PILE 25-50% DETERIORATED
- PILE 10-25% DETERIORATED
- PILE CAP FAILED
- PILE CAP DETERIORATED
- PILE CAP SPLICE
- NB NON BEARING

PILE & PILE CAP PLAN

SCALE: 1:200

NOTES:

1. PILE & PILE CAP DAMAGE SHOWN ON THIS DWG.
2. ALL DIMENSIONS ARE APPROXIMATE ONLY.
3. NOT ALL CORBELS, CAP SPLICES OR BRACING SHOWN.

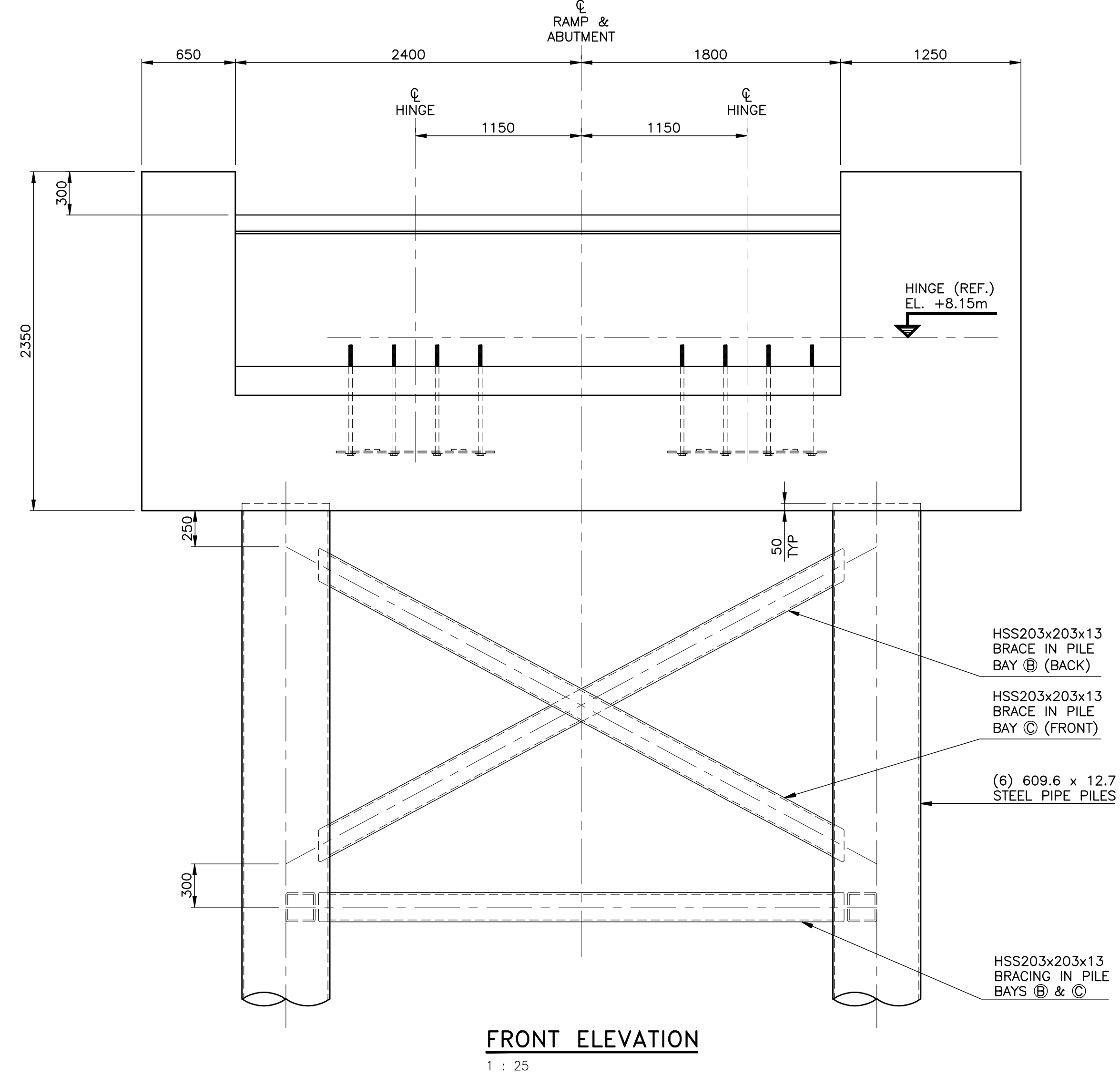
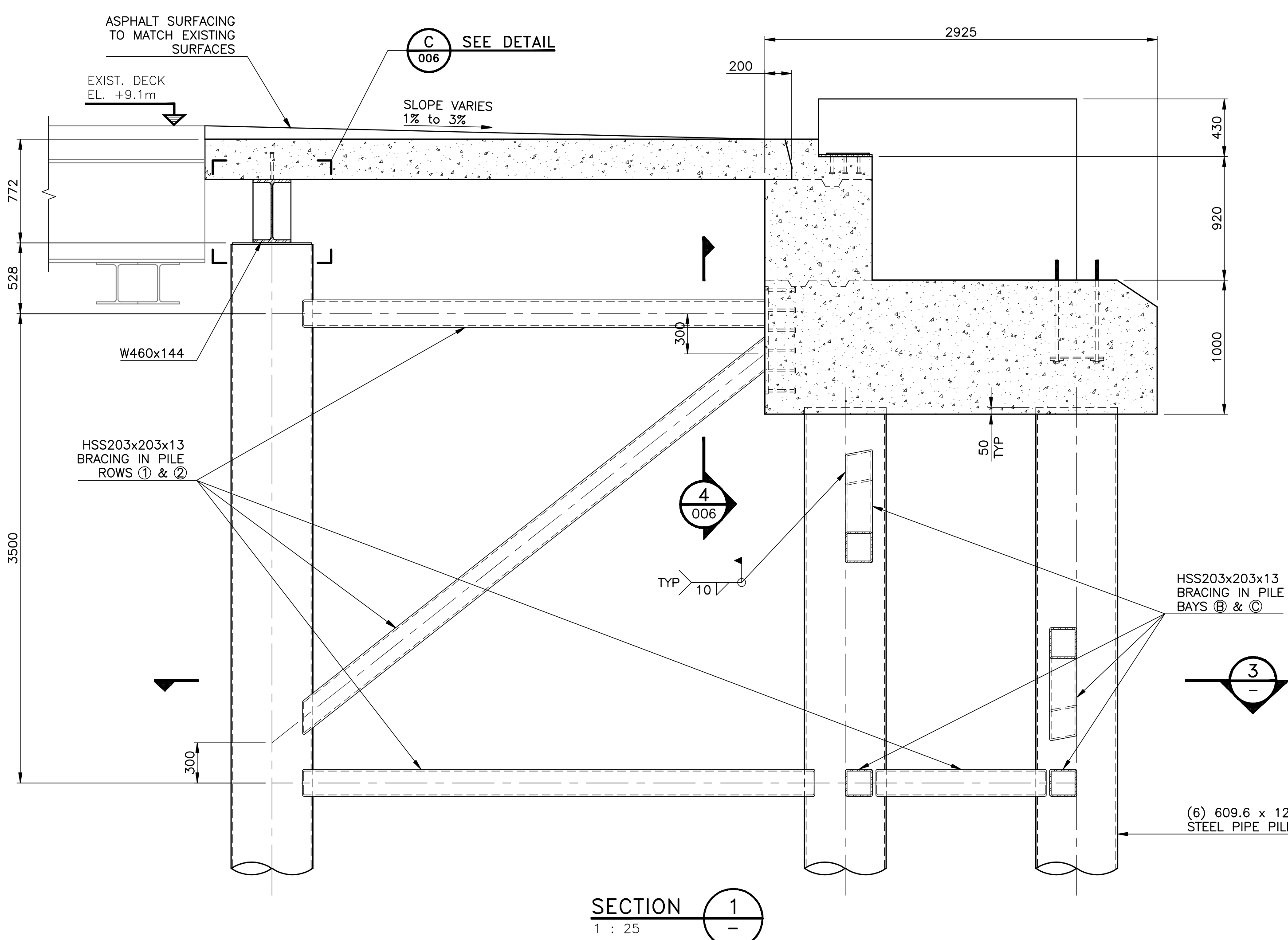
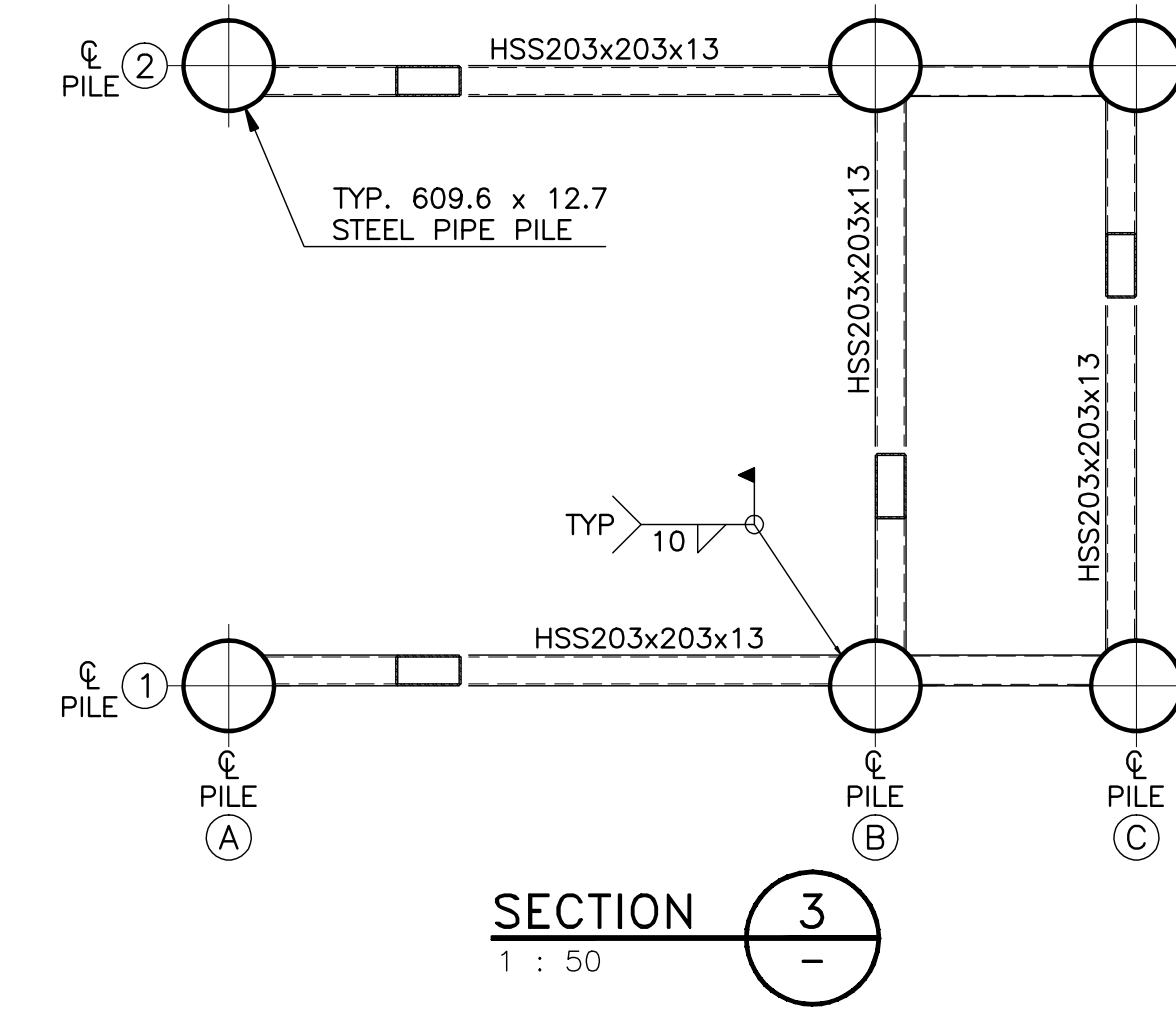
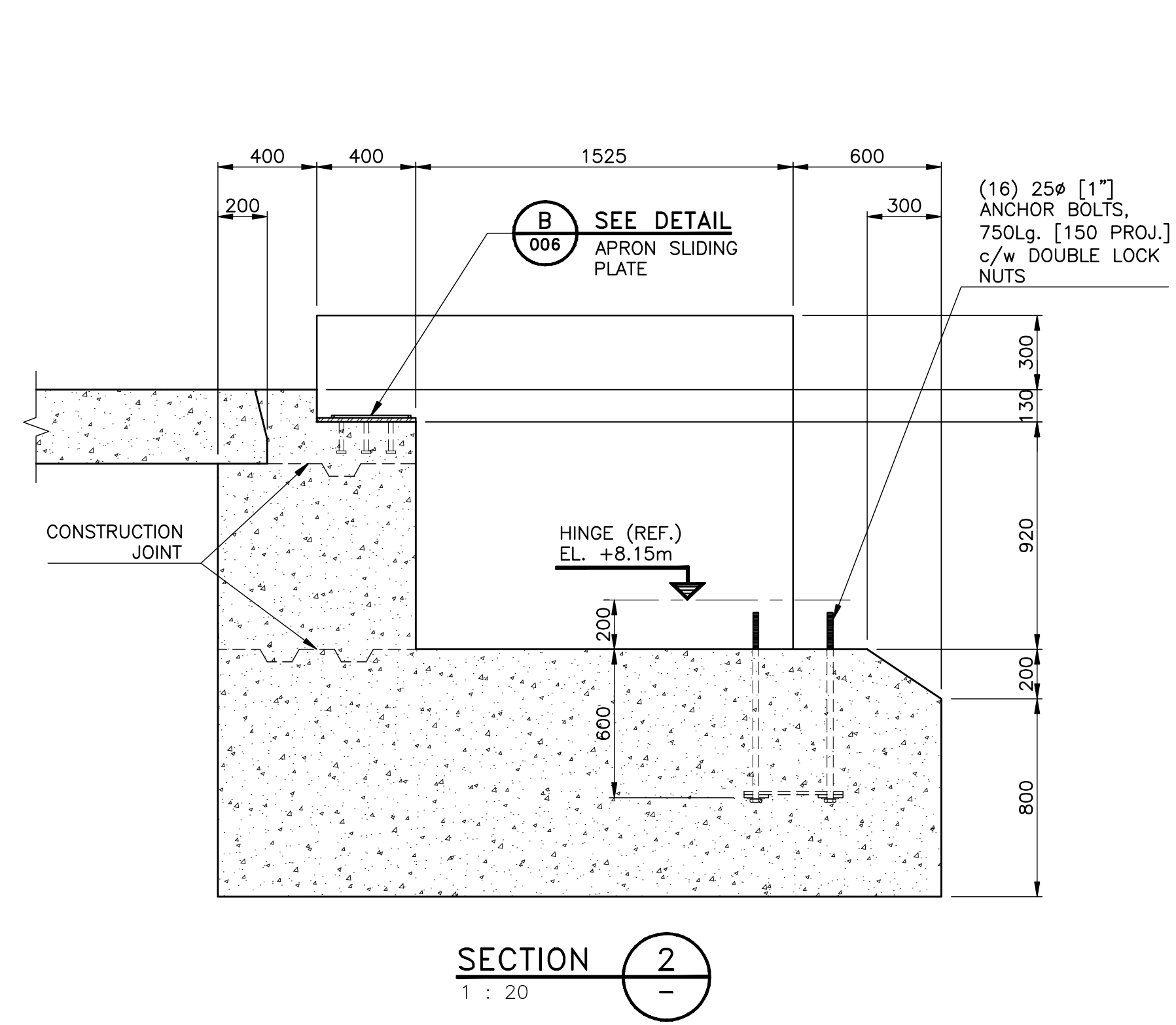
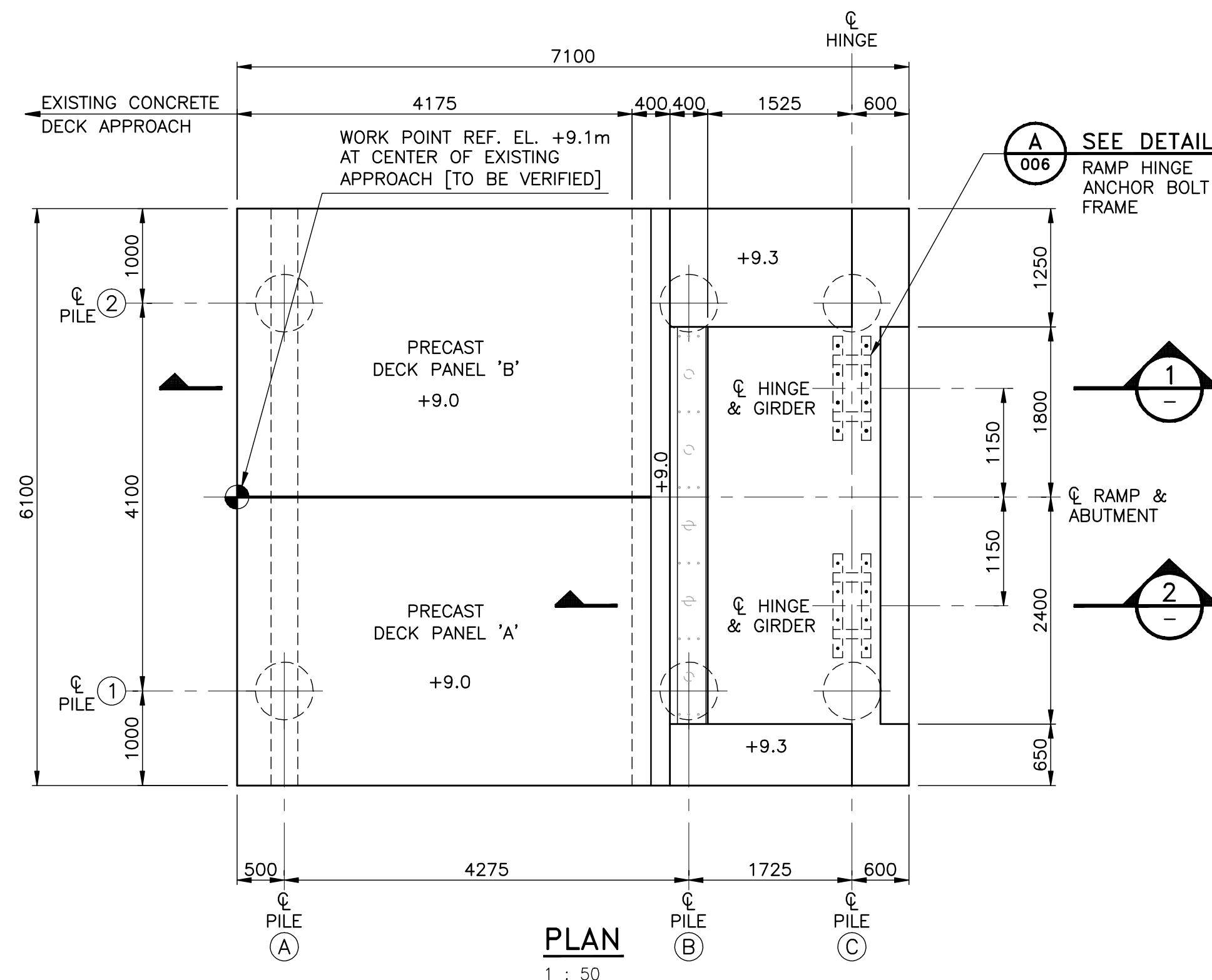
PORT EDWARD WHARF #408

NO.	DESCRIPTION	DATE
1	ISSUED FOR REPORT	JAN 2012

Revisions

COAST ISLE ENGINEERING LTD.
 (250) 624-6581

Title: PILE & PILE CAP PLAN
 Client: SMALL CRAFT HARBOURS
 Scale: 1:200
 Drawn: RR Date: JAN 2012
 Chkd: JT Dwg: ES90-02



NOTES:
1. REFER TO DWG. 001 FOR GENERAL NOTES.

E			J		
D			I		
C			H		
B			G		
A	ISSUED FOR TENDER	07.24.12	A.P.	F	
REVISION		REVISION		REFERENCE DRAWINGS	

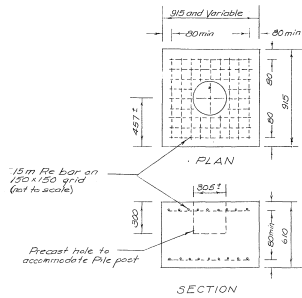
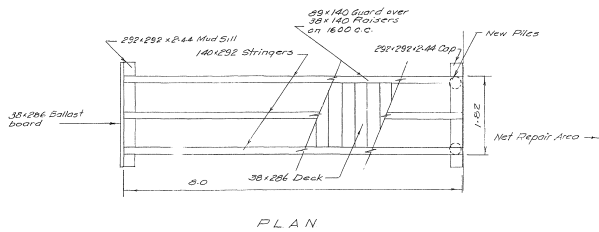
THIS DRAWING IS THE PROPERTY OF VILLHOLTH JENSEN & ASSOCIATES LTD. AND SHALL ONLY BE USED FOR THE PURPOSE TO WHICH IT REFERS. THIS DRAWING IS PREPARED SOLELY FOR THE USE OF THE PARTY WITH WHOM VILLHOLTH JENSEN & ASSOCIATES LTD. HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY VILLHOLTH JENSEN & ASSOCIATES LTD. TO ANY PARTY WITH WHOM VILLHOLTH JENSEN & ASSOCIATES LTD. HAS NOT ENTERED INTO A CONTRACT.

DESIGNED:	A.P.	SCALE:	AS NOTED
DRAWN:	P.D.M.	FILE No.	212119-005
CHECKED:	A.P.	CAD FILE NAME:	212119-005
APPROVED:		PROJECT No.	212119

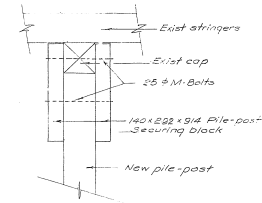
VILLHOLTH JENSEN & ASSOC. LTD.
CONSULTING ENGINEERS
VANCOUVER, B.C.

Fisheries and Oceans		Pêches et Océans	
SMALL CRAFT HARBOURS – PORT EDWARD			
RAMP ABUTMENT GENERAL ARRANGEMENT	DRAWING No.	REV.	
	212119-005	A	

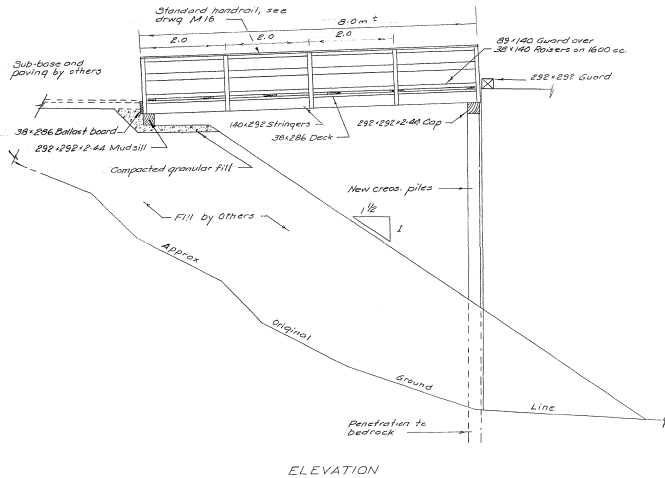
July 24, 2012 12:00pm



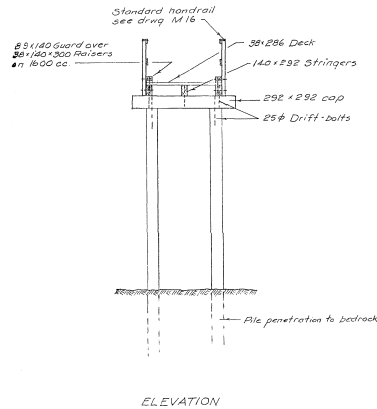
DETAIL-CONCRETE FOOTING - (TYPICAL)
1:20



CONNECTION DETAIL
PILE-POST TO CAP
1:20



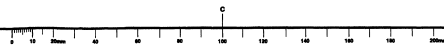
DETAILS - 1:82x8:0 APPROACHES
1:50

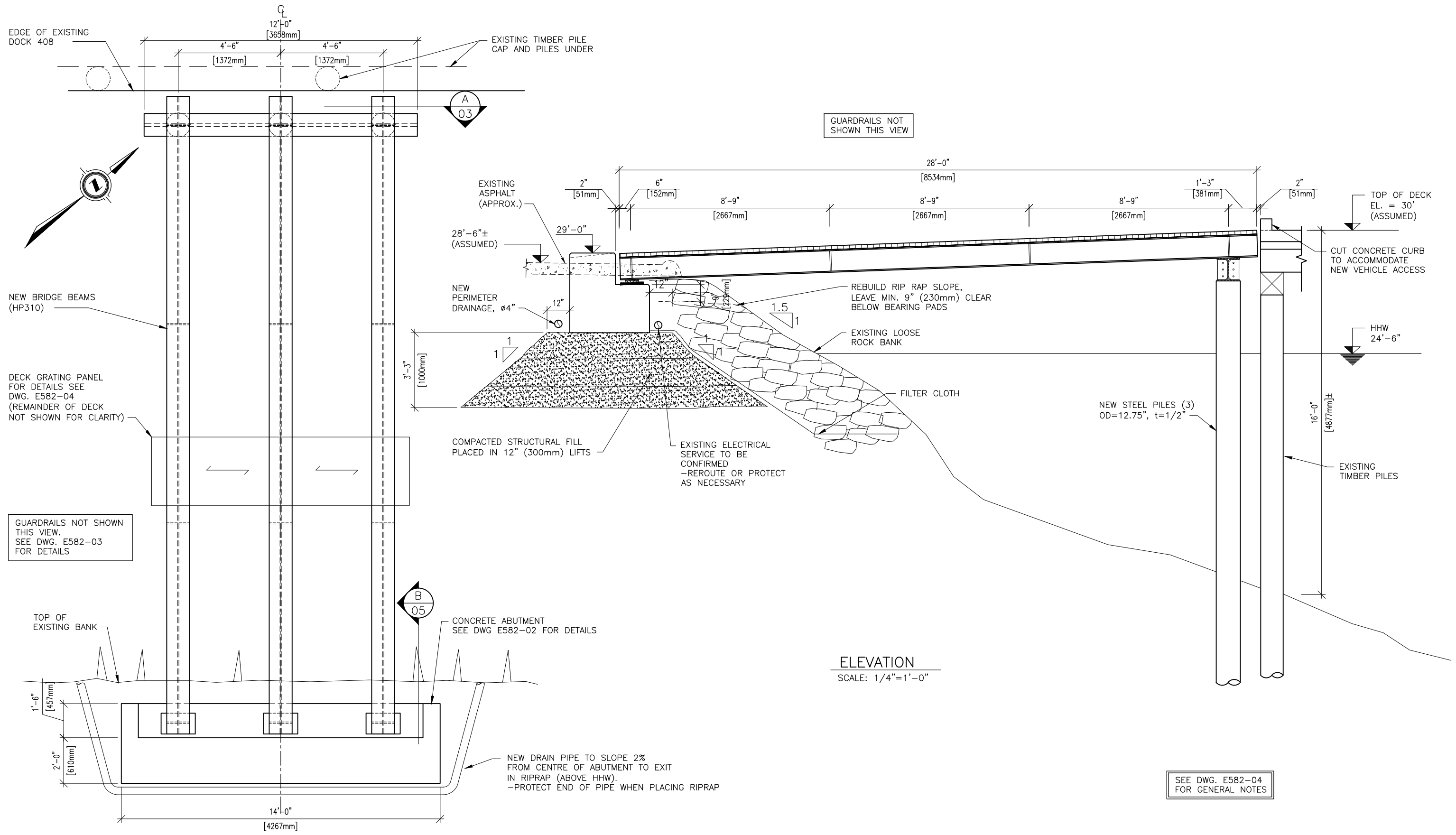


ELEVATION

revision	date						
<table border="1"> <tr> <td>A</td> <td>A</td> </tr> <tr> <td>C</td> <td>B</td> </tr> <tr> <td></td> <td>C</td> </tr> </table>	A	A	C	B		C	
A	A						
C	B						
	C						
project: PORT EDWARD - B.C. HARBOUR IMPROVEMENTS WHARF AND DECK REPAIRS							
drawing: DETAILS							
designed: [Signature]	checked: [Signature]						
date: 2012-11	revision:						
reviewed: [Signature]	date: 2012-11-20						
approved: [Signature]	approved:						
tender: [Signature]	submission:						
PWC Project Manager: [Signature]	Administrateur de projets TPC:						
project number: 102901-SUB-50599	no. de projet:						
drawing no.: 7 of 7	no. de dessin:						

23(7-7)





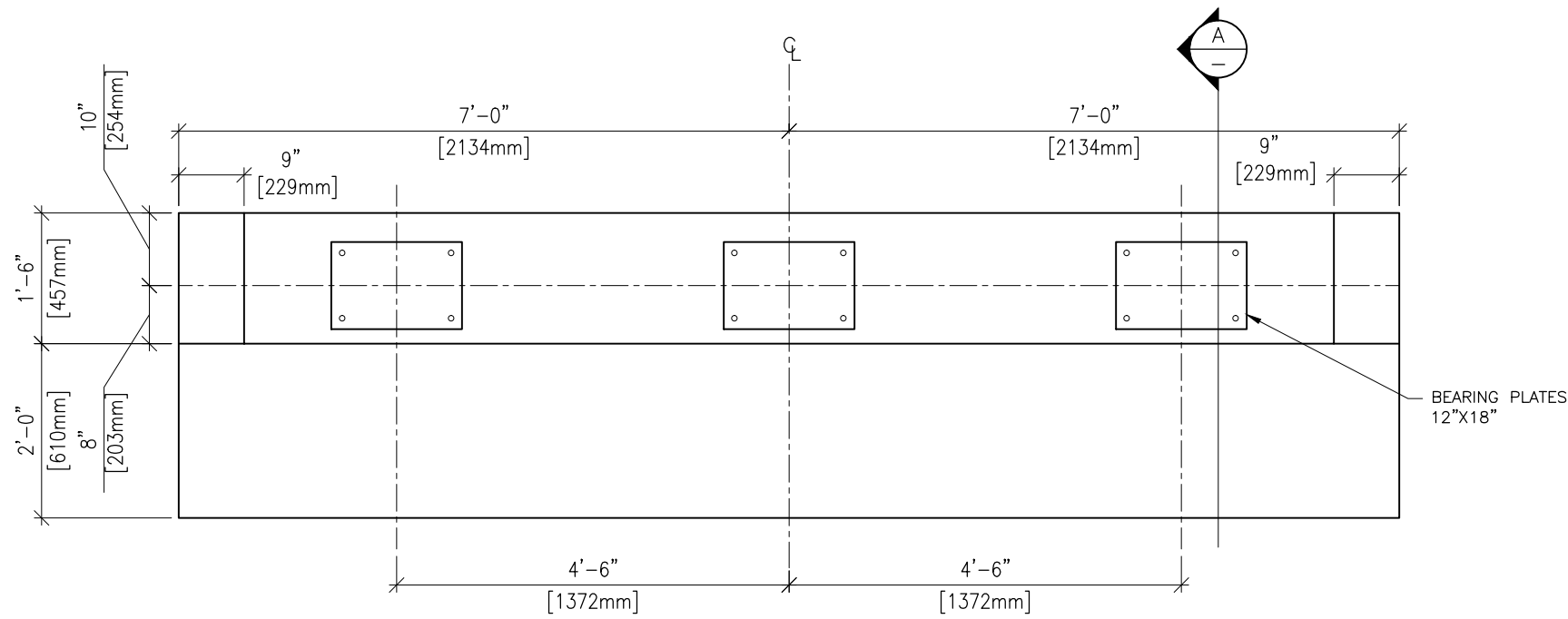
PLAN
SCALE: 1/4"=1'-0"

NEW VEHICLE ACCESS -
WHARF 408

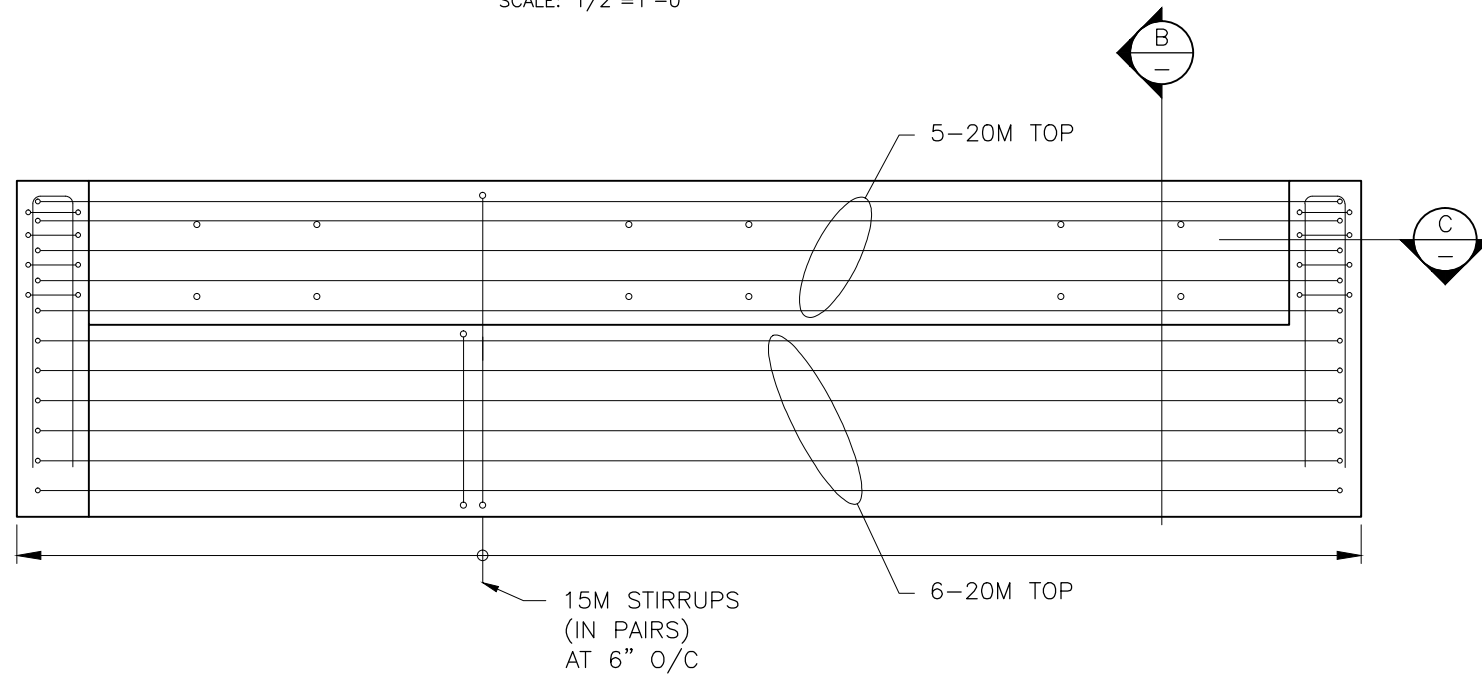
A	FOR REVIEW	OCT /10
Revisions		

**COAST ISLE
ENGINEERING
LTD.**
(250) 624-6581

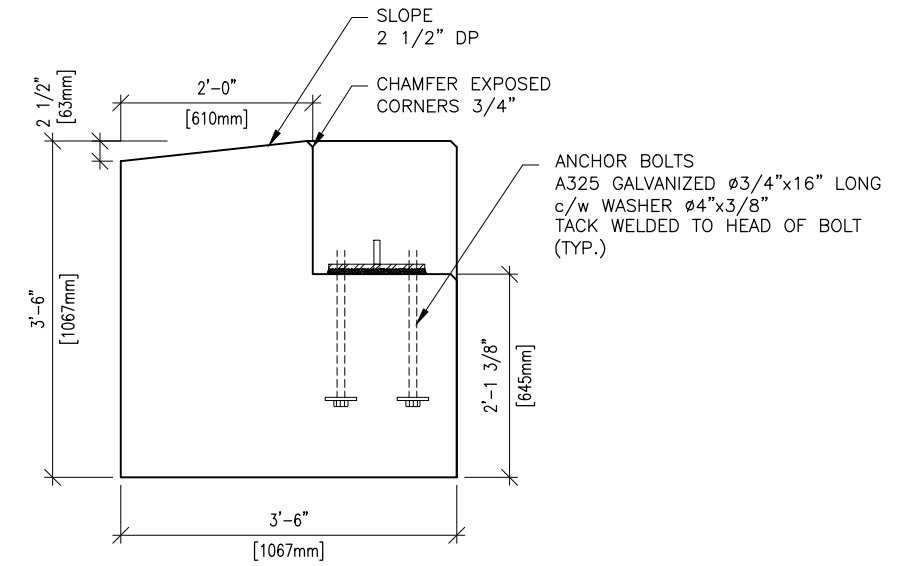
Title: GENERAL ARRANGEMENT			
Client: PORT EDWARD HARBOUR AUTHORITY			
Scale: 1/4"=1'-0"			
Drwn: RR	Chkd: JT	Dwg: E582-01	Rev: A
Date: OCT. 2010			



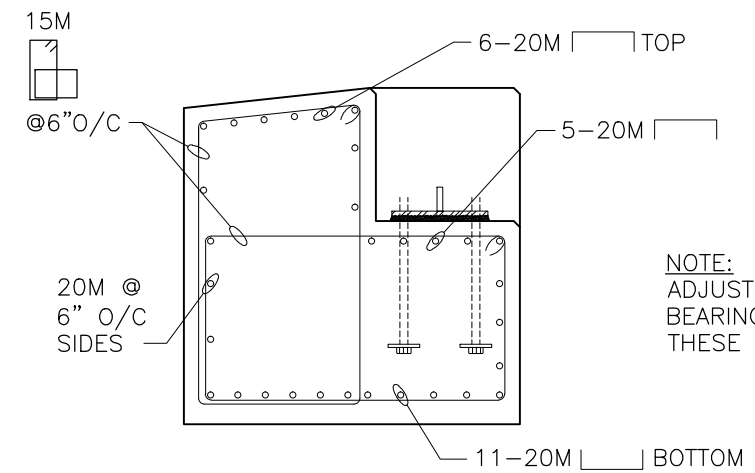
CONCRETE OUTLINE-PLAN
SCALE: 1/2"=1'-0"



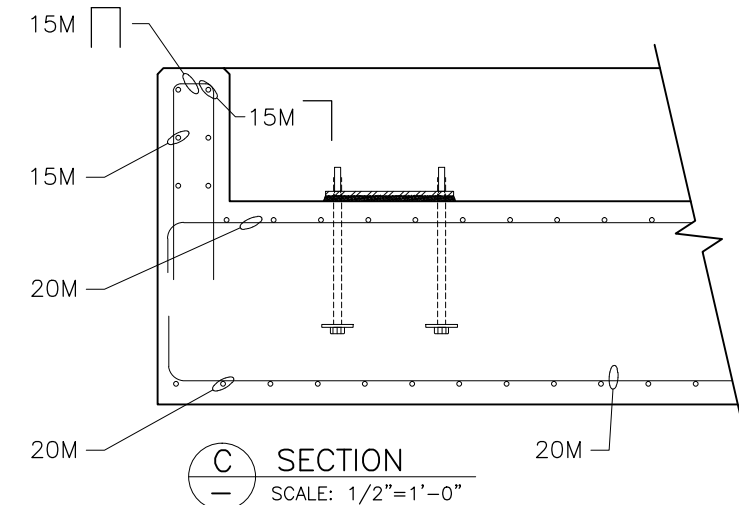
PLAN - REINFORCEMENT
SCALE: 1/2"=1'-0"



A CONCRETE OUTLINE-SECTION
SCALE: 1/2"=1'-0"



B SECTION
SCALE: 1/2"=1'-0"



C SECTION
SCALE: 1/2"=1'-0"

NEW VEHICLE ACCESS -
WHARF 408

A	FOR REVIEW	OCT /10
Revisions		

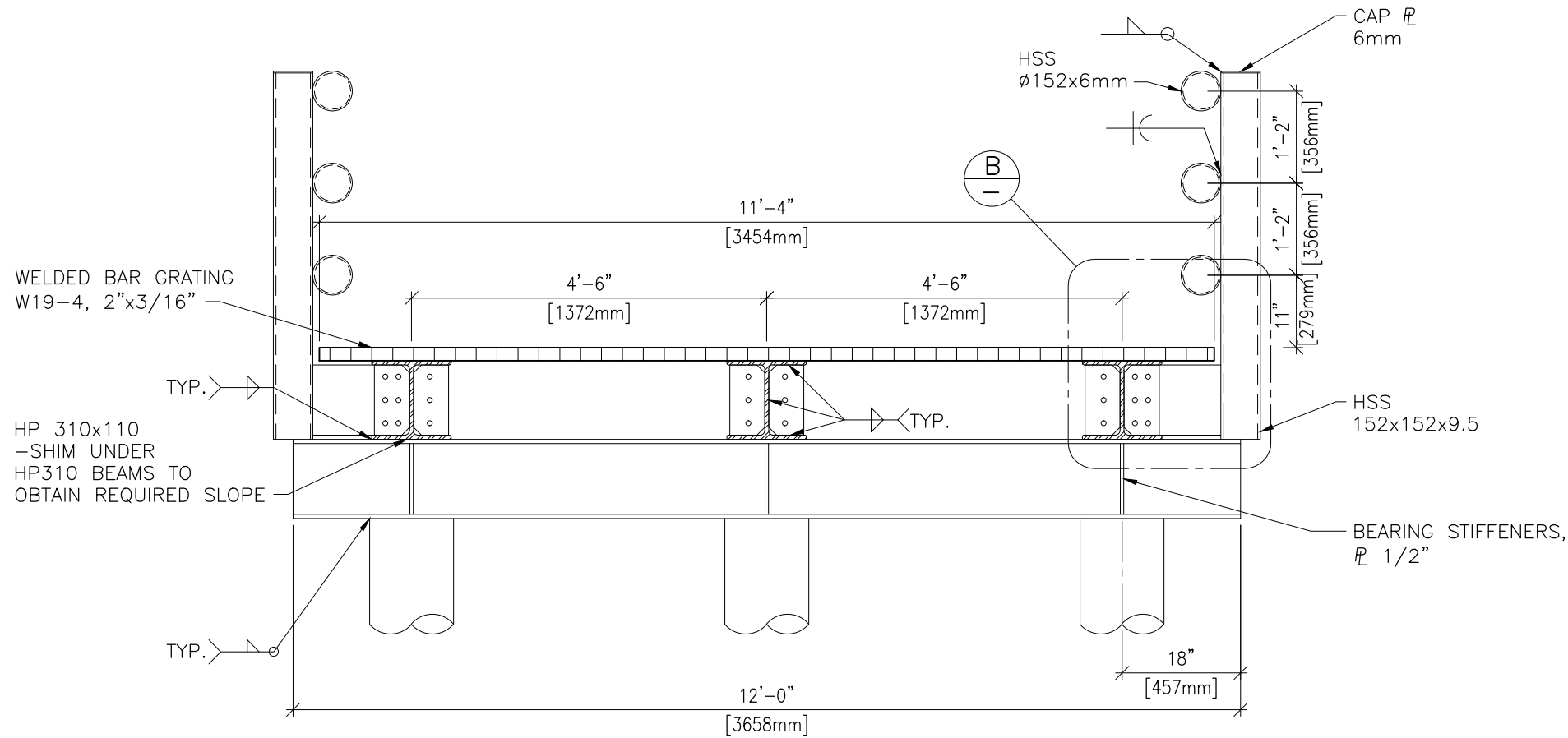
COAST ISLE
ENGINEERING
LTD.
(250) 624-6581

Title: ABUTMENT

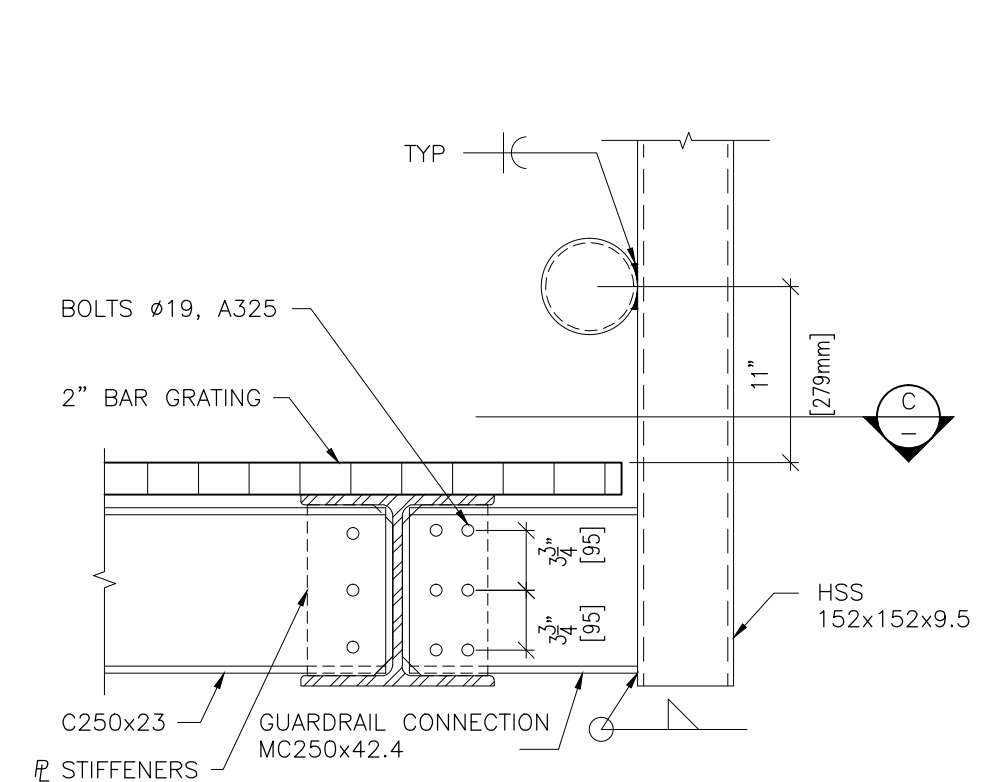
Client: PORT EDWARD HARBOUR AUTHORITY
Scale: 1/8"=1'-0"

Drwn: RR Chkd: JT Dwg: E582-02
Date: OCT. 2010

Rev: A

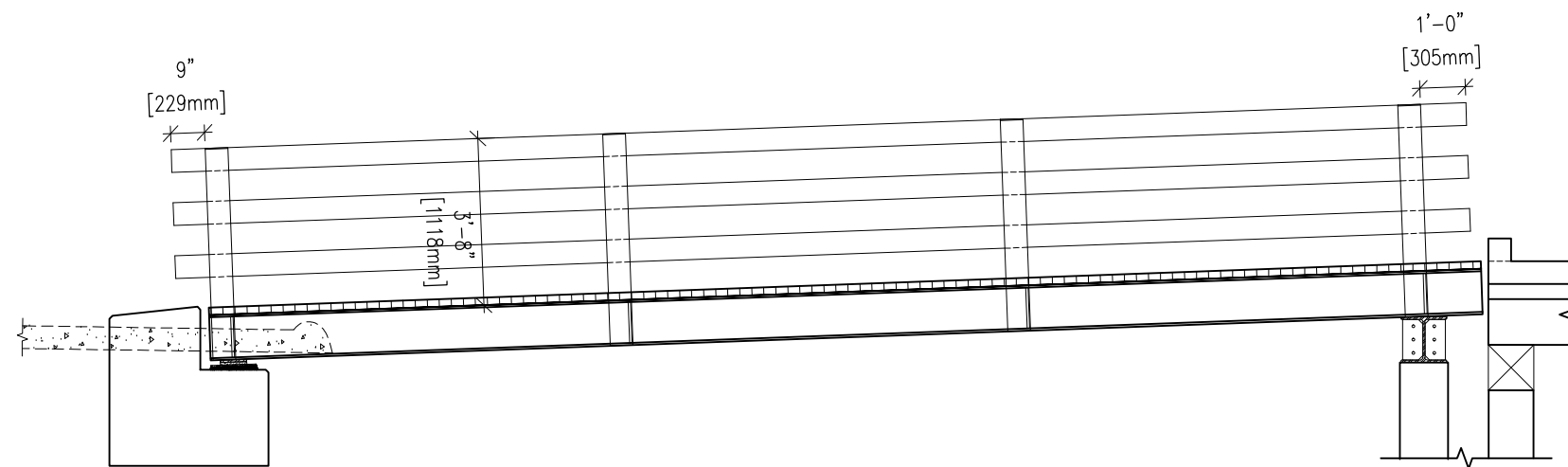


A
01 SECTION
SCALE: 1/2"=1'-0"

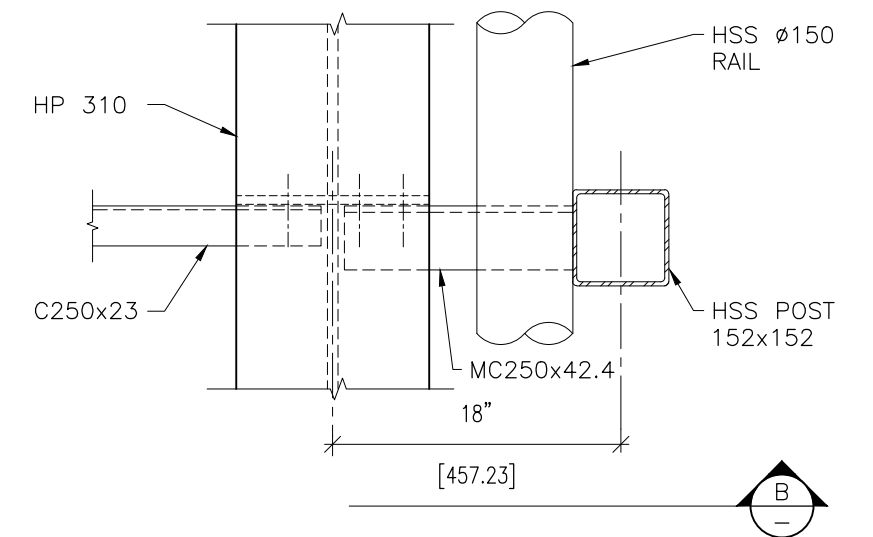


B
— DETAIL
SCALE: 1"=1'-0"

DECK GRATING NOT SHOWN FOR CLARITY



GUARDRAIL ELEVATION
SCALE: 1/4"=1'-0"



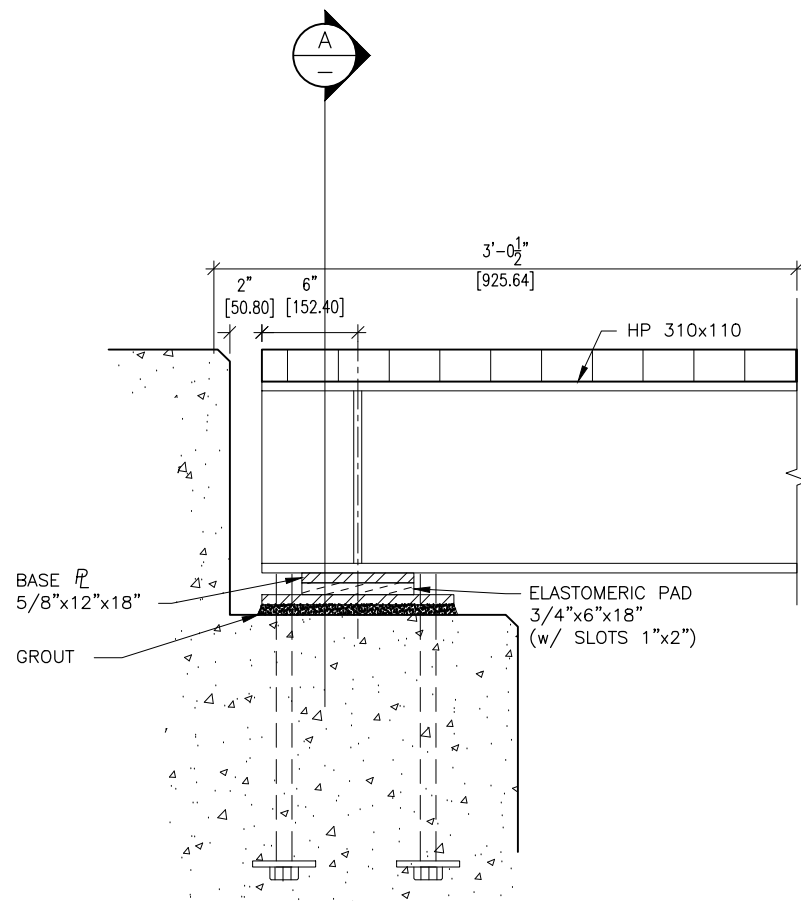
C
— PLAN — GUARDRAIL POST CONNECTION
SCALE: 1"=1'-0"

NEW VEHICLE ACCESS —
WHARF 408

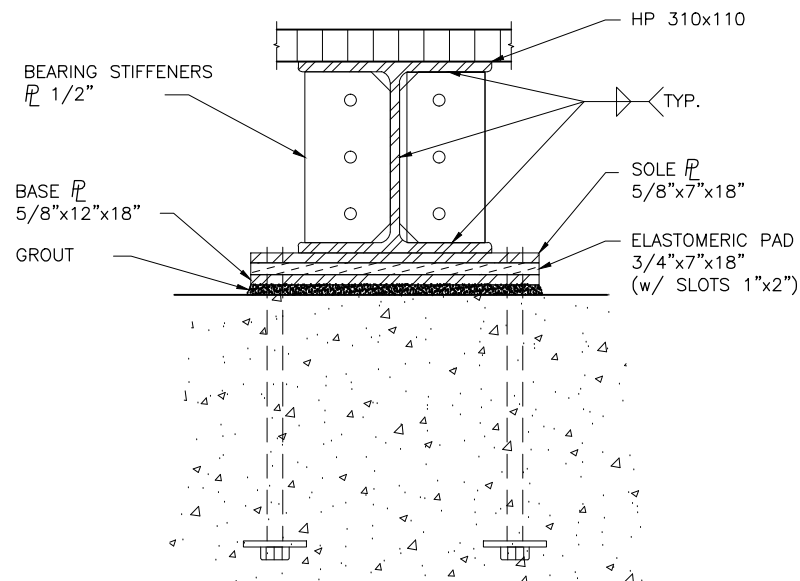
A	FOR REVIEW	OCT /10
Revisions		

**COAST ISLE
ENGINEERING
LTD.**
(250) 624-6581

Title: PILE SUPPORT & GUARDRAILS
Client: PORT EDWARD HARBOUR AUTHORITY
Scale: AS NOTED
Drwn: RR Chkd: JT Dwg: E582-03 Rev: A
Date: OCT. 2010

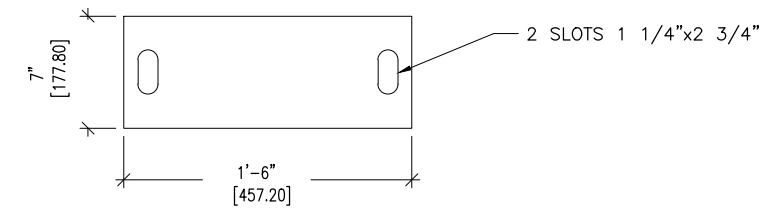


B BEARING PLATE DETAIL – ELEVATION
01 SCALE: 1"=1'-0"

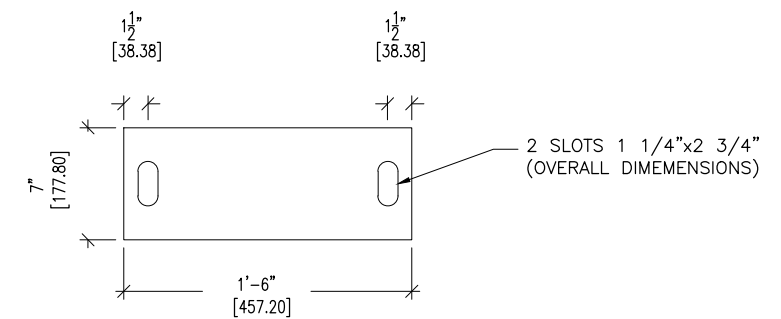


A SECTION
SCALE: 1"=1'-0"

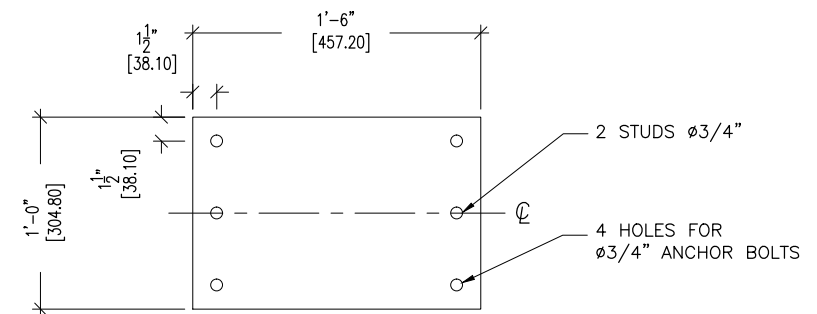
NOTES:
1. BEARING DETAILS ARE PRELIMINARY ONLY – TO BE CONFIRMED.
2. BEARINGS WILL HAVE TO BE SLOPED TO ACCOMMODATE SLOPE OF SPAN.



ELASTOMERIC PAD (3/4")
SCALE: 1"=1'-0"



SOLE PLATE (5/8")
SCALE: 1"=1'-0"



BASE PLATE (5/8")
SCALE: 1"=1'-0"



NEW VEHICLE ACCESS –
WHARF 408

A	FOR REVIEW	OCT /10
Revisions		

**COAST ISLE
ENGINEERING
LTD.**
(250) 624-6581

Title: DETAILS
Client: PORT EDWARD HARBOUR AUTHORITY
Scale: 1/8"=1'-0"
Drwn: RR Chkd: JT Dwg: E582-05
Date: OCT. 2010

Rev:
A

