

Fisheries and Oceans Canada

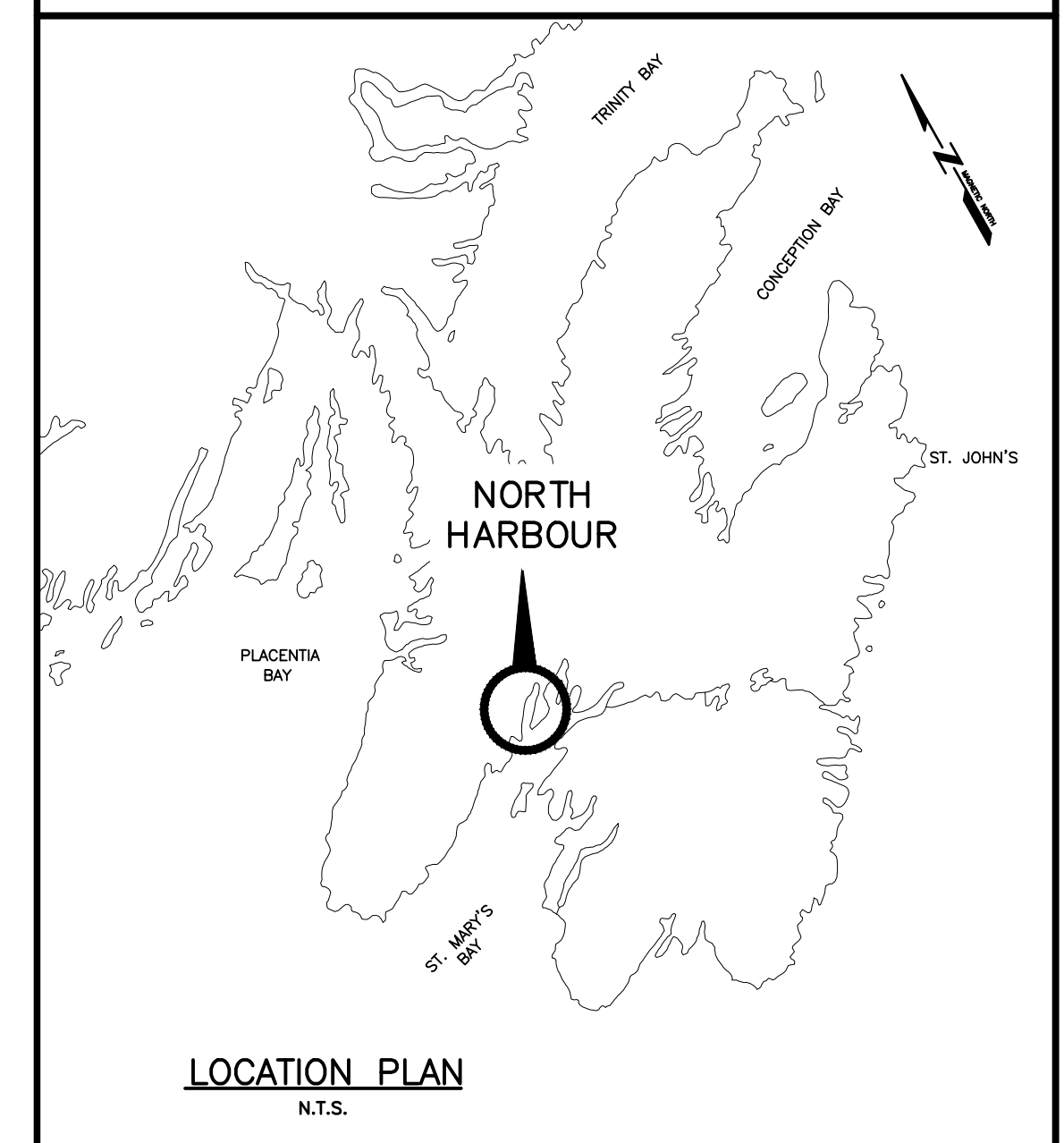
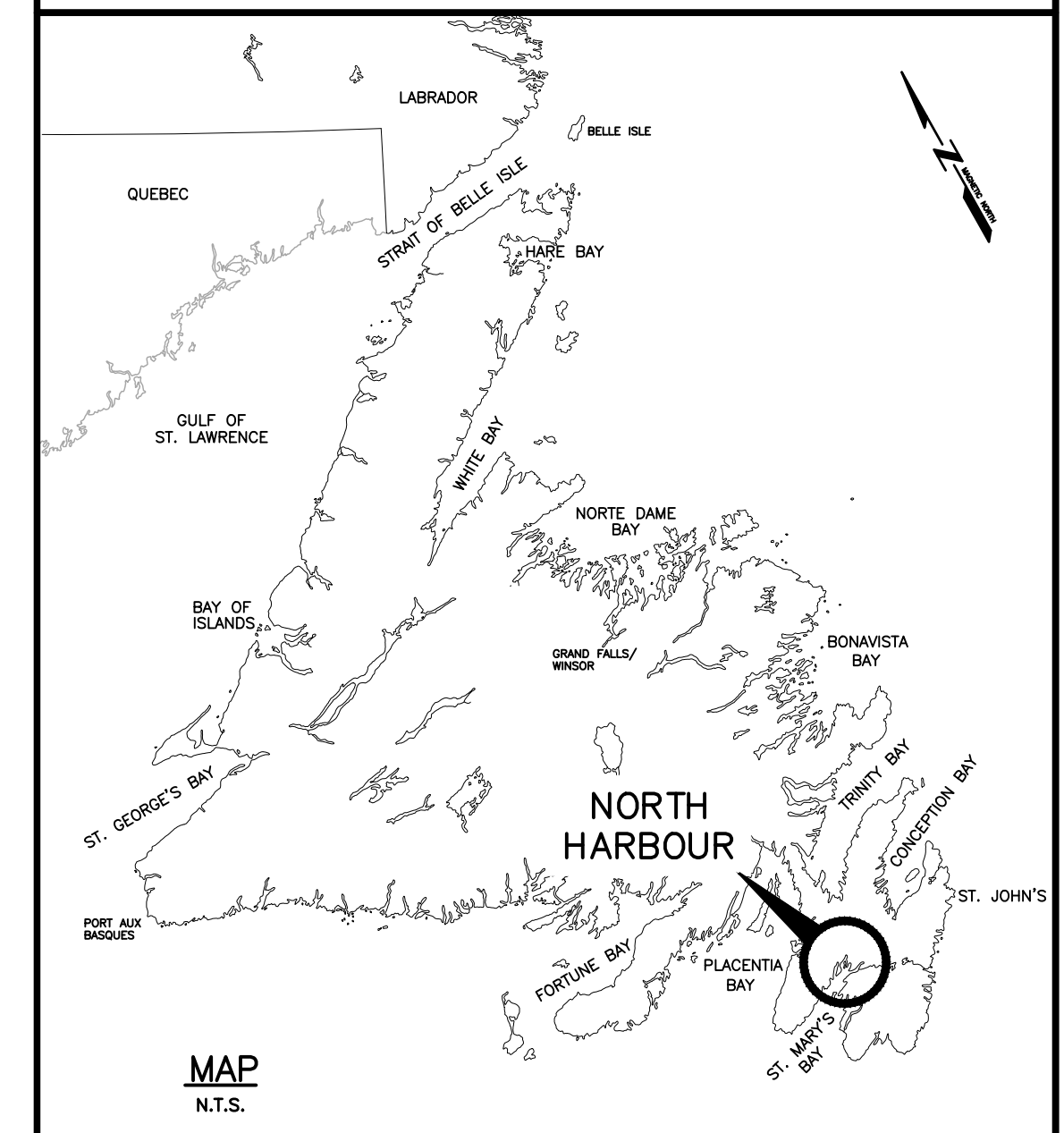
WHARF DEMOLITION NORTH HARBOUR, ST. MARY'S BAY NEWFOUNDLAND AND LABRADOR 722349

LIST OF DRAWINGS:

CIVIL

- C1 of 6 – EXISTING SITE PLAN
- C2 of 6 – SITE PLAN AND ELEVATION
- C3 of 6 – ELEVATIONS AND TYPICAL WHARF CONSTRUCTION DETAILS
- C4 of 6 – BEARING PILE SCHEDULE AND WHARF SECTIONS
- C5 of 6 – FENDER AND WALER DETAILS
- C6 of 6 – NEW SITE PLAN AND SECTION

SMALL CRAFT HARBOURS

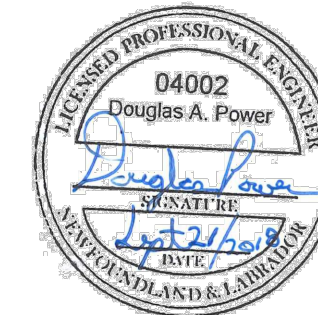
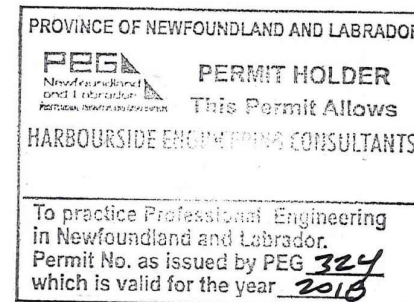


SMALL CRAFT HARBOURS



NOTES:

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- ALL ELEVATIONS ARE IN METRES (m) UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED.



B	ISSUED FOR TENDER	SEPT 21 2018
A	ISSUED FOR 99% REVIEW	AUG 17 2018
revisions		date

project

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing

EXISTING SITE PLAN

designed	L. OSMOND	concu
date	JUNE, 2018	
drawn	D. LARADE	dessine
date	JUNE, 2018	
approved	D. POWER	approuve
date	SEPTEMBER, 2018	
Tender	S. BEATTY	Soumission
DFO Project Manager		
project number	722349	no. du projet
drawing no.	C1 OF 6	no. du dessin

SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) SEPTEMBER 06,2018
 SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1505 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):
 TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
 DATE OF PROCESSING SEPT. 2018

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

CONTROL POINTS:				
Pt. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
85G4027	298029.139	5225398.905		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
85G4029	298649.007	5226415.977		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
PWC 1-2018	298287.444	5225906.478	+3.15 m	SURVEY NAIL SET IN WHEELGUARD OF WHARF
PWC 2-2018	298259.954	5225881.868	+3.43 m	SURVEY NAIL DRIVEN IN PAVEMENT
PWC 3-2018	298267.332	5225912.645	+3.27 m	SURVEY NAIL DRIVEN IN PAVEMENT
PWC 4-2018	298281.363	5225961.908	+3.44 m	SURVEY NAIL DRIVEN IN PAVEMENT

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 2-2018 ELEV. +3.44 m (SURVEY NAIL DRIVEN IN THE MAIN ROAD THROUGH NORTH HARBOUR.)

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON MAY 08,2018 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, 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"A".

SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN NORTH HARBOUR BOOK #999.

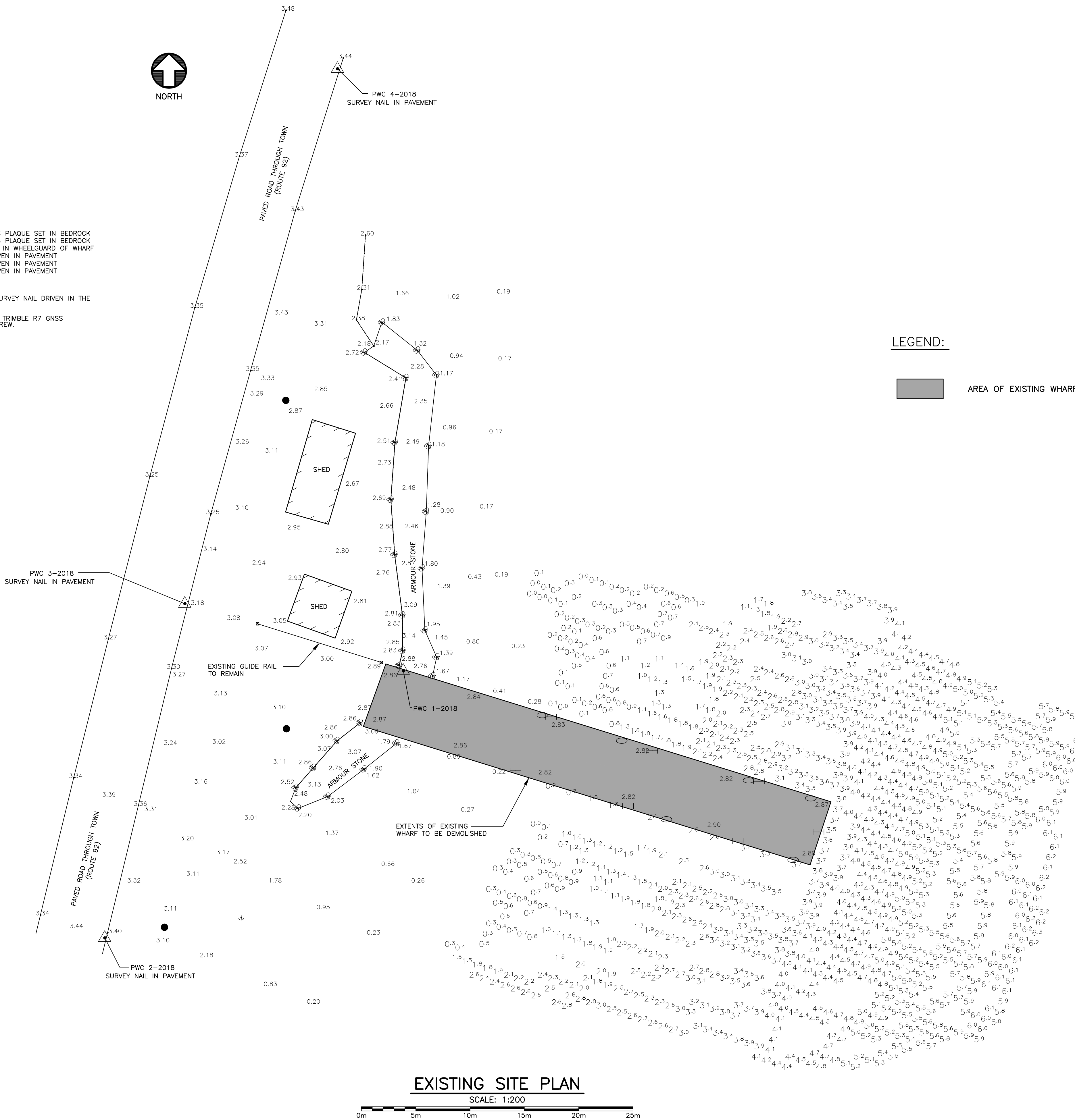
LEGEND

SYMBOLS

ACQUACULTURE	LADDER
ANCHOR BLOCK	LIFE RING
BOLLARD	LIGHT STANDARD
BOREHOLE	MANHOLE
BOUNDARY MARKER	MARSH
CARD POSITION BUOY	MAST/TOWER
CATCH BASIN	NAVIGATION LIGHT
CLEAT	OBSERVED BUOY
CULVERT	OBSERVED SPAR BUOY
DERRICK	PIPE PILE
DISPOSAL	RANGE LIGHT
DREDGE CONTROL	SAFETY POST
ELECTRICAL OUTLET	SEWER OUTFLOW PIPE
FIRE HYDRANT	SIGN
FIRST AID	TELEPHONE
FISH HANDLING EQUIP.	TELEPHONE POLE
FOG HORN	TIDE GAUGE/STAFF
FUEL PUMP	TREE
H PILE	UTILITY POLE
HORIZONTAL CONTROL	VERTICAL CONTROL
ICE PLANT	WATER TAP/OUTLET
INVERT PIPE	WATER VALVE
JIB CRANE	WATER WELL
FLAG POLE	WOOD PILE

LINE TYPE

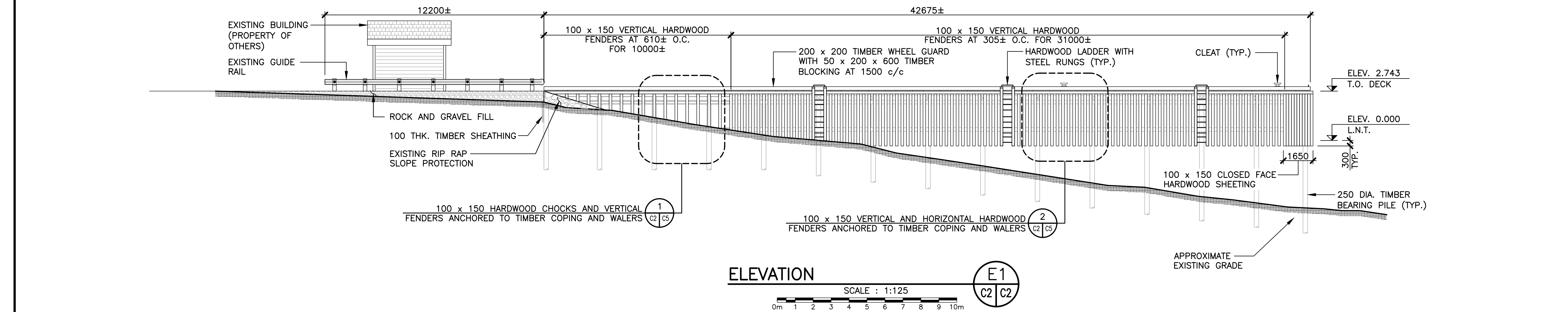
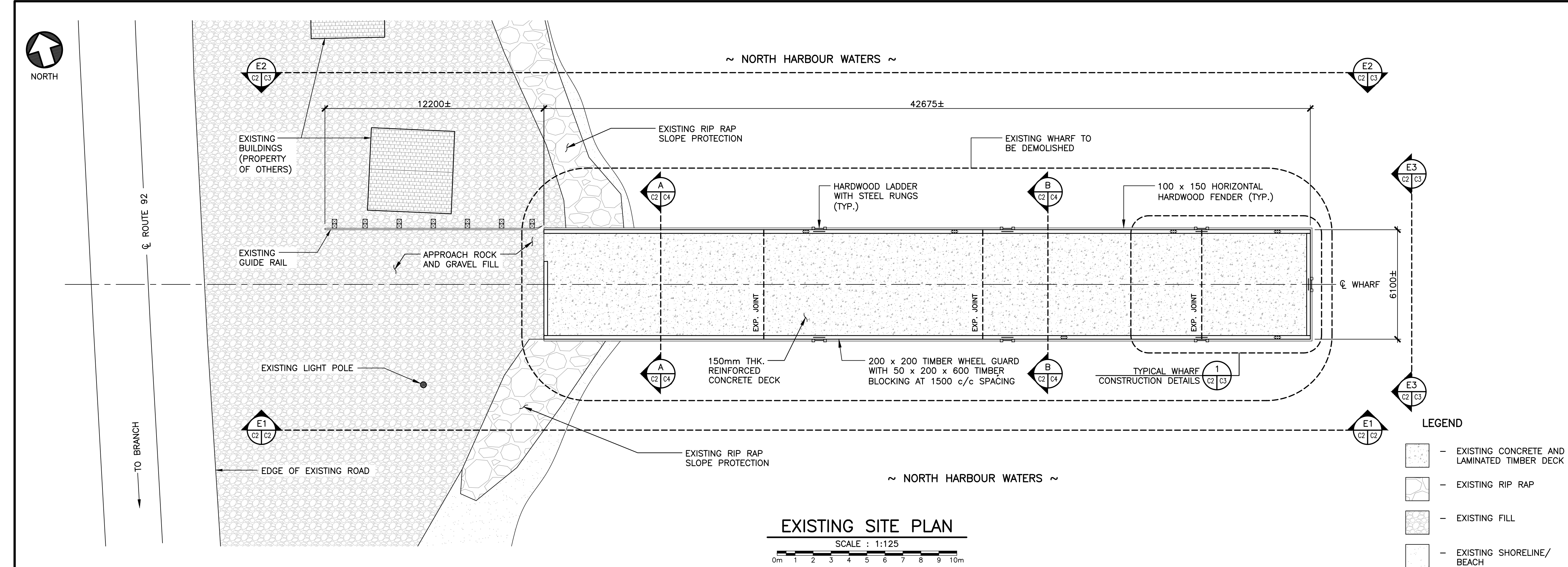
ARMOUR STONE	MARSH OUTLINE
CL RAILROAD	PROPERTY BOUNDARY
DRAIN PIPE	RANGE LIGHT EXTENSION
EDGE ROAD / SHOULDER	RETAINING WALL
FENCE LINE	RIPRAP
FLOATING WAVEBREAK	TOE OF BANK
GUARD RAIL	TREE LINE
HIGH WATER MARK	UNDERGROUND CABLE
LOW WATER MARK	



EXISTING SITE PLAN

SCALE: 1:200

0m 5m 10m 15m 20m 25m



- LEGEND**
- EXISTING CONCRETE AND LAMINATED TIMBER DECK
 - EXISTING RIP RAP
 - EXISTING FILL
 - EXISTING SHORELINE/ BEACH

GENERAL NOTES:

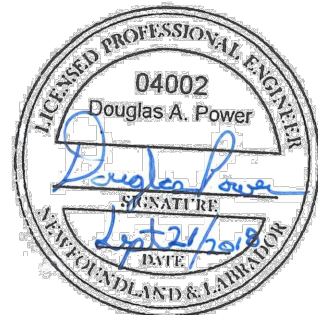
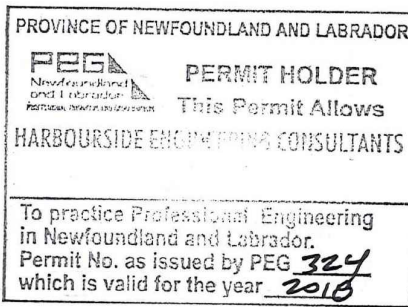
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH NEWFOUNDLAND AND LABRADOR OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
- SHOULD THE CONTRACTOR INTEND TO UTILIZE THE EXISTING WHARF STRUCTURE TO SUPPORT ANY HEAVY MACHINERY OR EQUIPMENT AS A PART OF THEIR DEMOLITION PROCEDURE, THEN THE STRUCTURE SHALL BE EVALUATED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR. THE CONTRACTOR SHALL PROVIDE A STRUCTURAL REPORT, INCLUDING THE LOADS AND THEIR PLACEMENT CONSIDERED IN THE EVALUATION, THAT IS SEALED BY THE PROFESSIONAL ENGINEER COMPLETING THE EVALUATION WORK.
- ALL EXISTING MATERIAL TO BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH PROJECT WASTE MANAGEMENT PLAN AS SUBMITTED BY THE CONTRACTOR AND IN ACCORDANCE WITH SECTIONS 01 74 21 - CONSTRUCTION/DEMOLITION WASTE MANAGEMENT AND DISPOSAL AND 01 35 43 - ENVIRONMENTAL PROCEDURES OF THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR IS ADVISED THAT ALL TREATED TIMBER (INCLUDING CREOSOTE) MUST BE DISPOSED OF AT THE PROVINCIAL REGIONAL LINED WASTE DISPOSAL SITE AT ROBIN HOOD BAY, ST. JOHN'S. ALL COSTS ASSOCIATED WITH DISPOSAL AS REQUIRED UNDER THIS DOCUMENT AND THE PROJECT SPECIFICATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE TO COMPLETE THE WORK.
- UPON COMPLETION OF ALL DEMOLITION ACTIVITIES AND PRIOR TO PLACING ANY RIP RAP MATERIAL, THE CONTRACTOR SHALL PROVIDE UNDERWATER VIDEO OF THE SEAFLOOR WITHIN THE WHARF FOOTPRINT AND 6 METERS BEYOND THE PERIMETER OF THE WHARF'S FOOTPRINT ACCORDINGLY.
- DURING DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR ENCLOSING THE WORK AREA WITHIN A FLOATING CONTAINMENT BOOM.

SMALL CRAFT HARBOURS



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revisions		date
project		projct

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing dessin

SITE PLAN AND ELEVATION

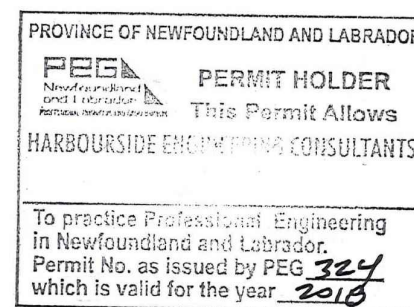
designed	L. OSMOND	concu
date	JUNE, 2018	
drawn	D. LARADE	dessine
date	JUNE, 2018	
approved	D. POWER	approuve
date	SEPTEMBER, 2018	
Tender	S. BEATTY	Soumission
DFO Project Manager		
project number	722349	no. du projet
drawing no.	C2 OF 6	no. du dessin

SMALL CRAFT HARBOURS



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- ALL CONCRETE REINFORCEMENT BAR SIZES BASED ON STANDARD IMPERIAL BAR DESIGNATIONS



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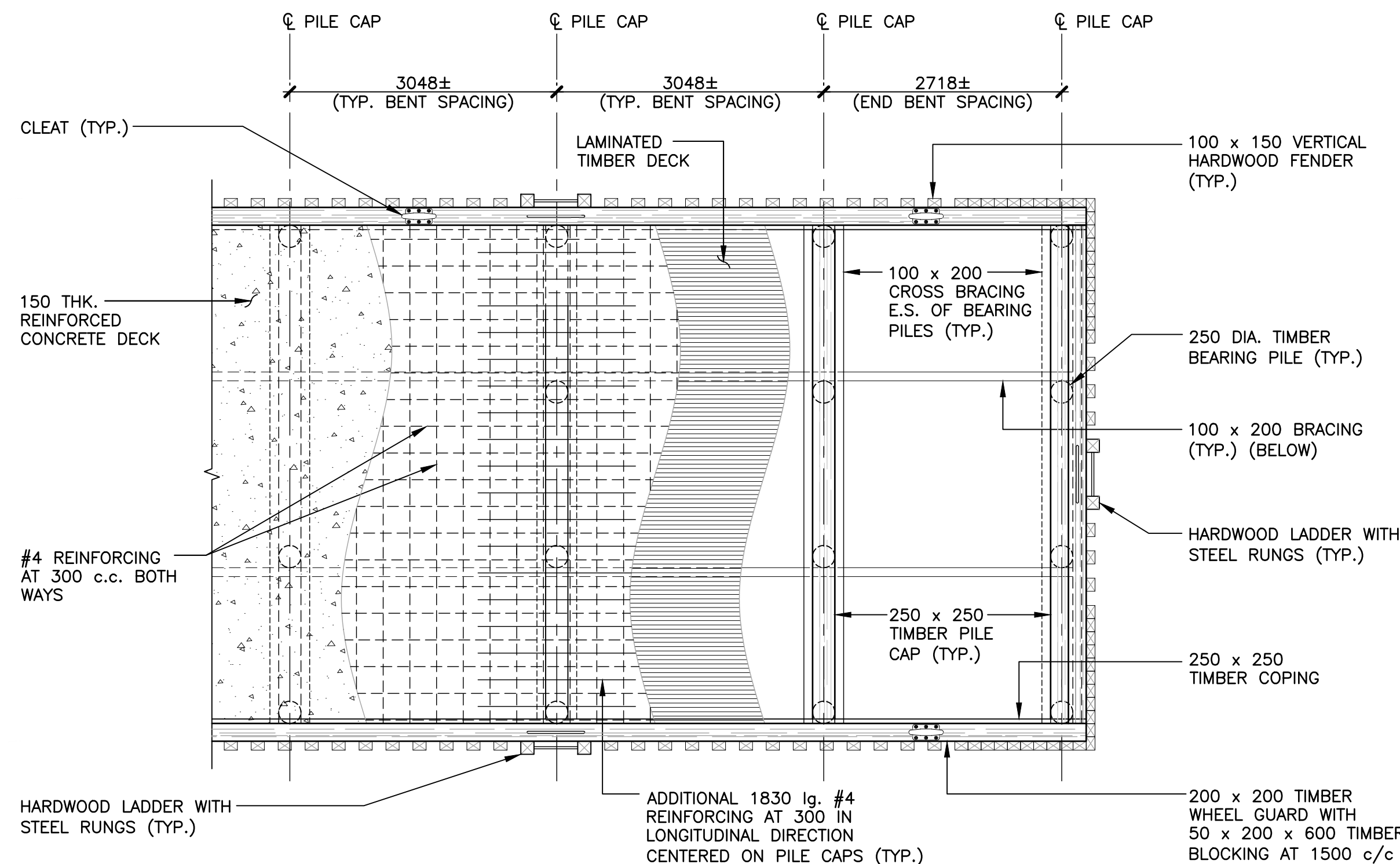
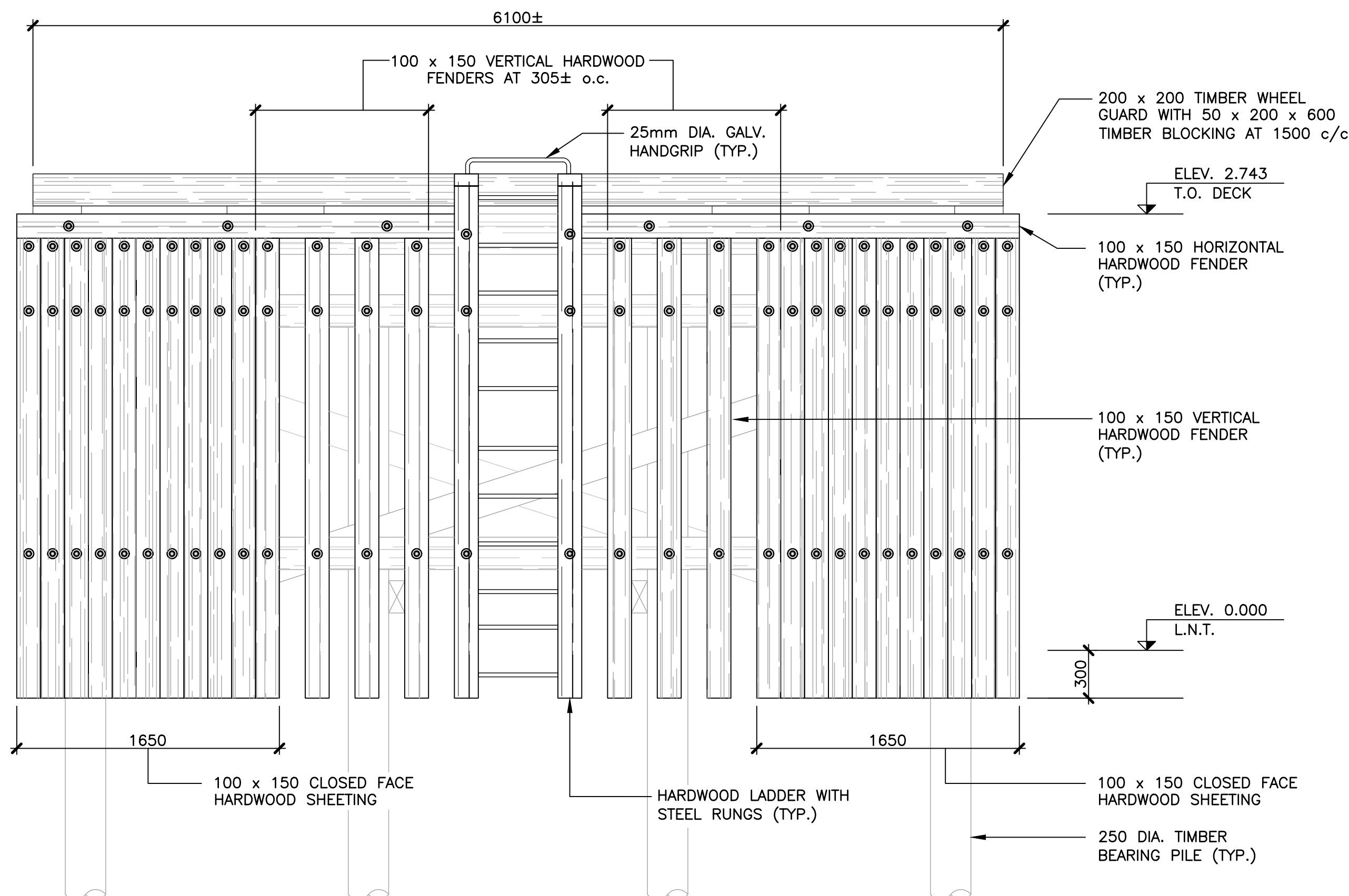
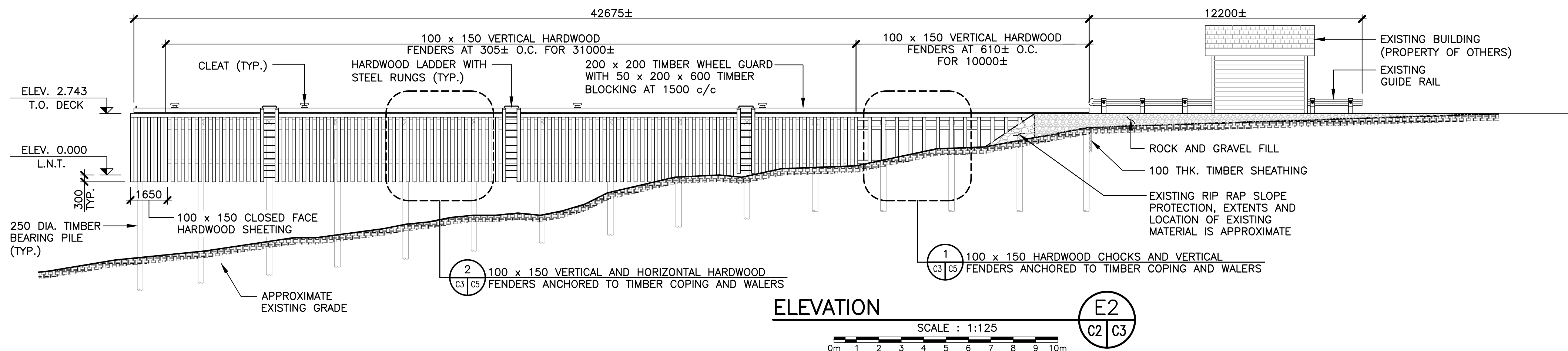
project _____ projet _____

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing _____ dessin _____

ELEVATIONS AND TYPICAL WHARF CONSTRUCTION DETAILS

designed	L. OSMOND	conçu
date	JUNE, 2018	
drawn	D. LARADE	dessiné
date	JUNE, 2018	
approved	D. POWER	approuvé
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DFO Project Manager		
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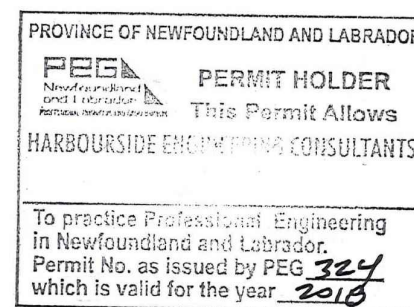
NOTE:
100 x 150 HORIZONTAL FENDERS OMITTED FROM THIS VIEW FOR CLARITY.

SMALL CRAFT HARBOURS



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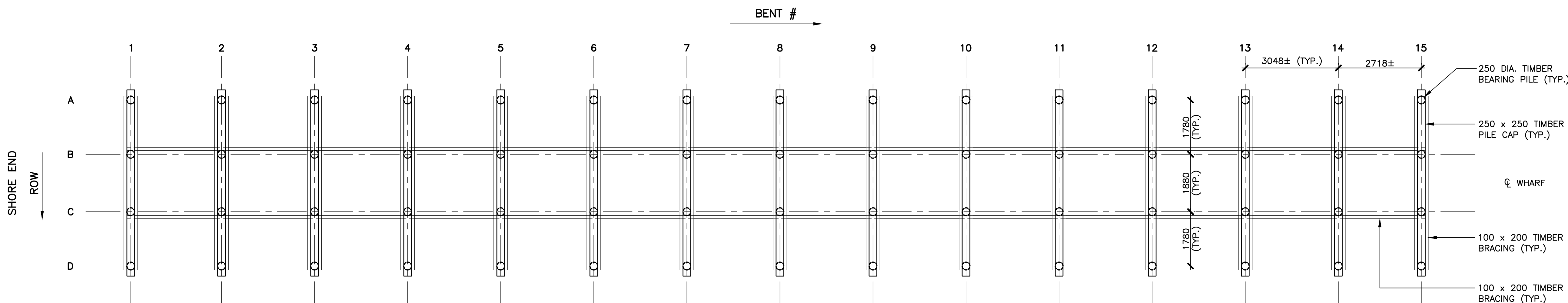
project projet

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing dessin

BEARING PILE SCHEDULE AND WHARF SECTIONS

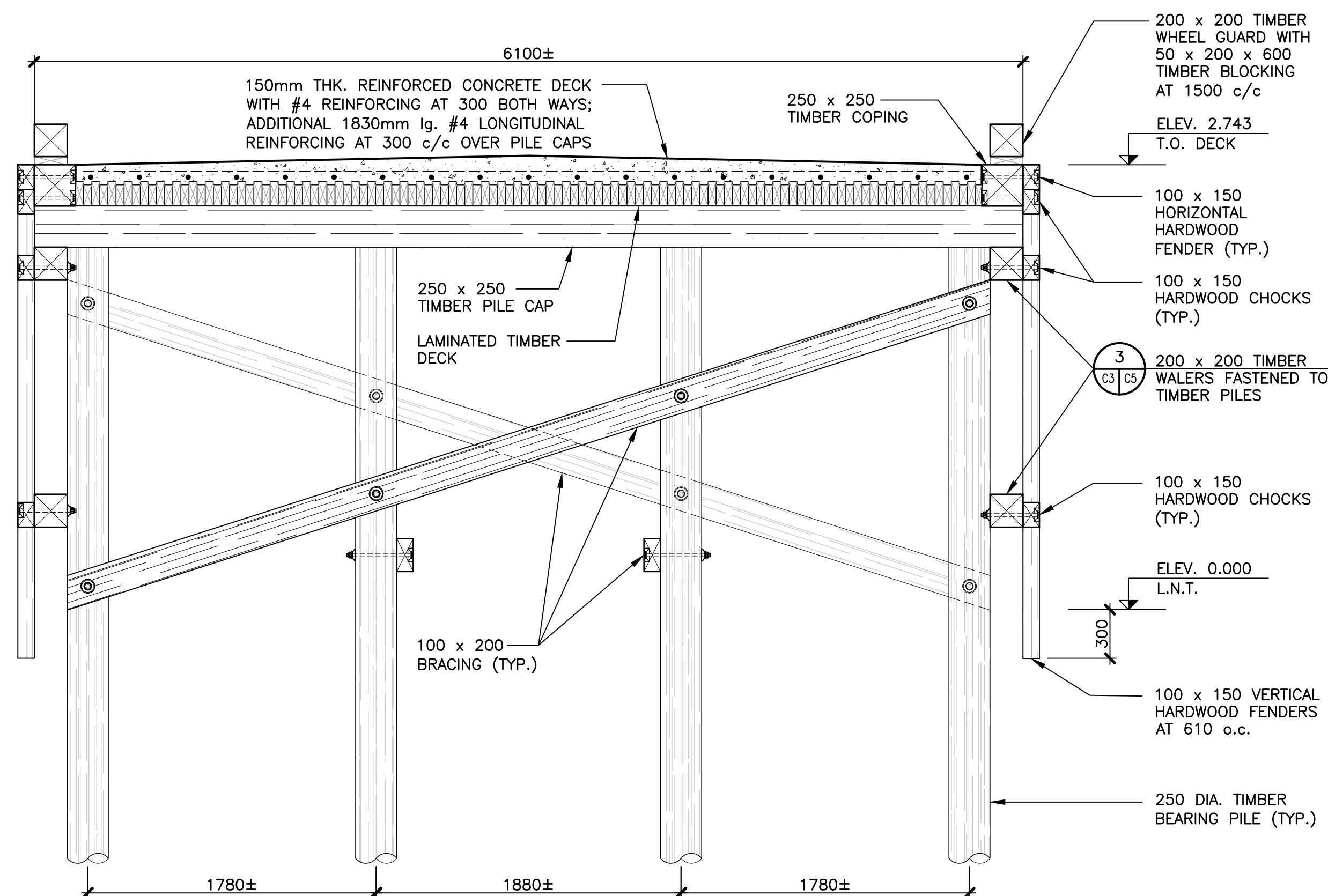
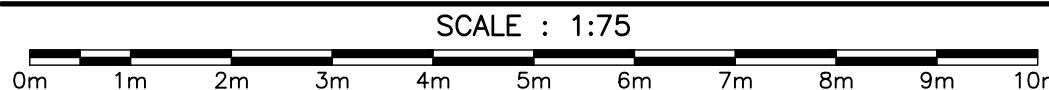
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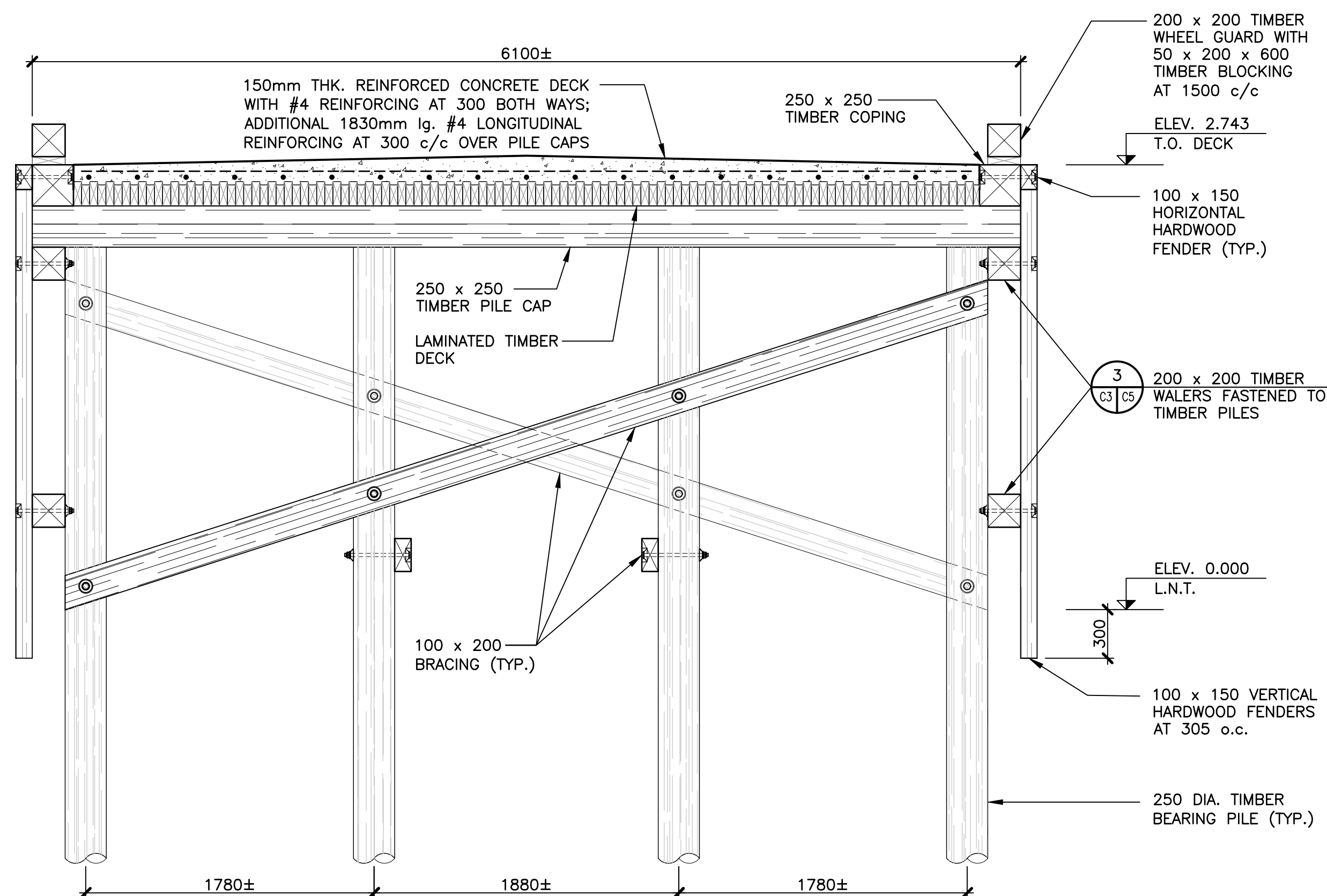
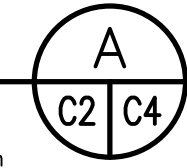
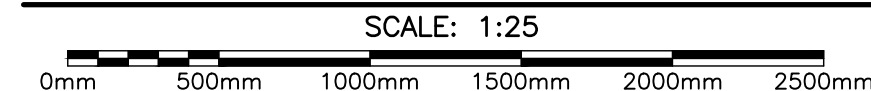
APPROXIMATE BEARING PILE LENGTHS (m)															
BENT ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	4.88	5.49	5.49	6.71	6.71	7.32	7.32	8.53	8.53	9.14	9.14	9.75	9.75	10.36	10.36
B	4.88	5.49	5.49	6.71	6.71	7.32	7.32	8.53	8.53	9.14	9.14	9.75	9.75	10.36	10.36
C	4.88	5.49	5.49	6.71	6.71	7.32	7.32	8.53	8.53	9.14	9.14	9.75	9.75	10.36	10.36
D	4.88	5.49	5.49	6.71	6.71	7.32	7.32	8.53	8.53	9.14	9.14	9.75	9.75	10.36	10.36

NOTE:
PILE INFORMATION BASED ON EXISTING AS-BUILT DRAWINGS. FINAL LENGTH OF PILES AFTER DRIVING UNKNOWN.

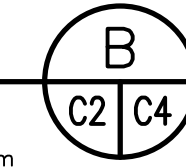
EXISTING BEARING PILE SCHEDULE

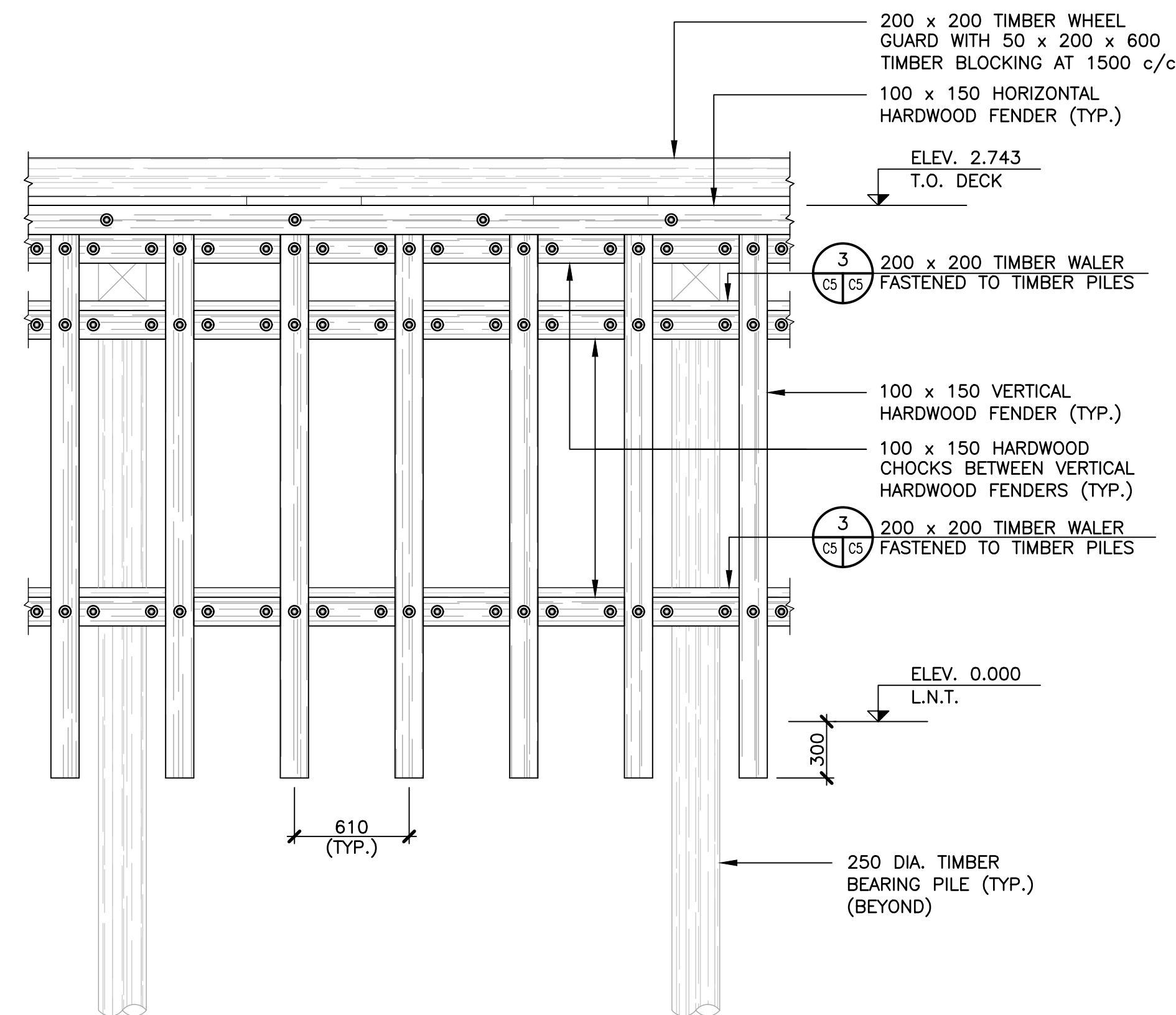


SECTION A



SECTION B



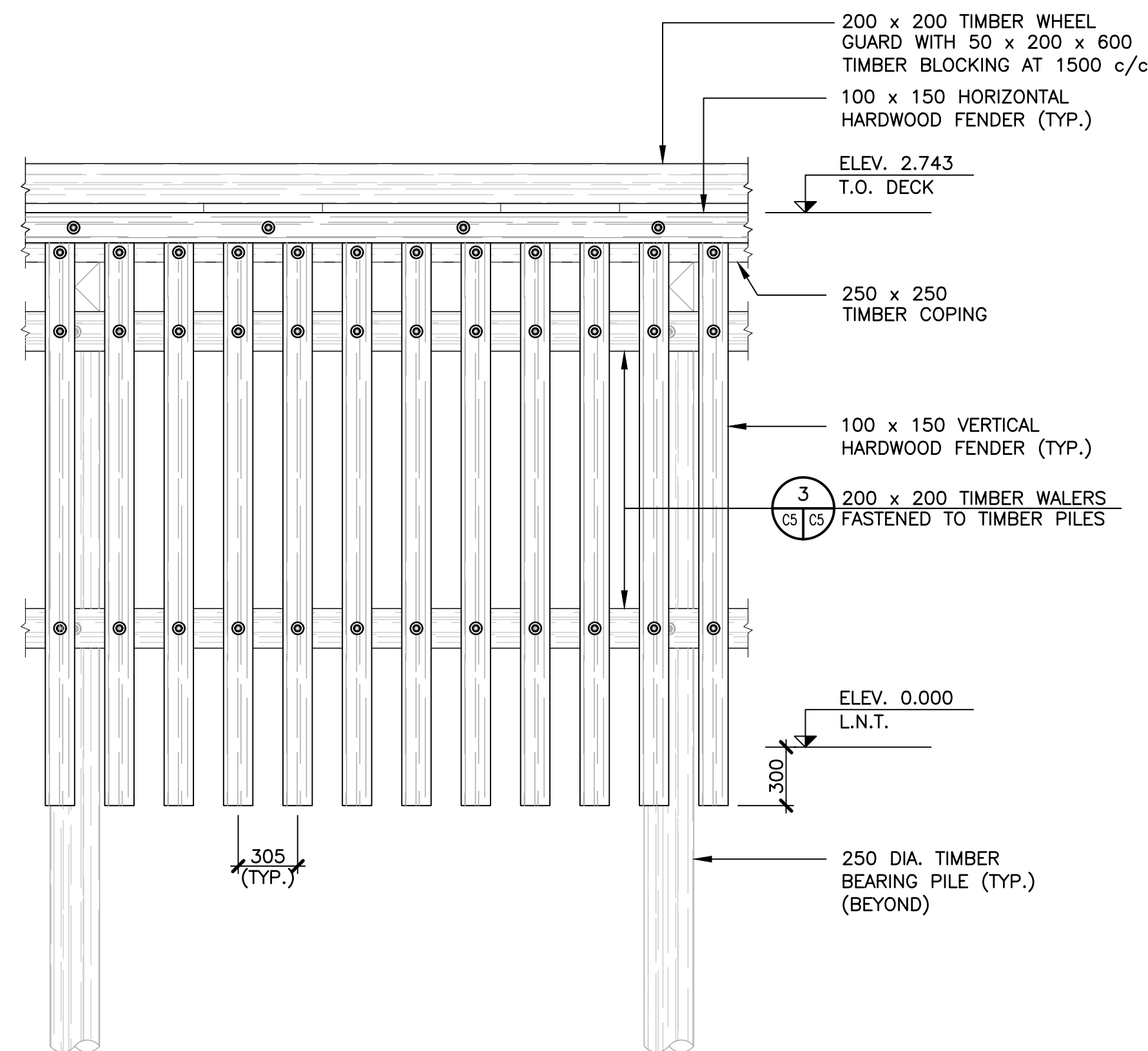


DETAIL FENDER FRAMING

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

1 C2 C5 1 C3 C5

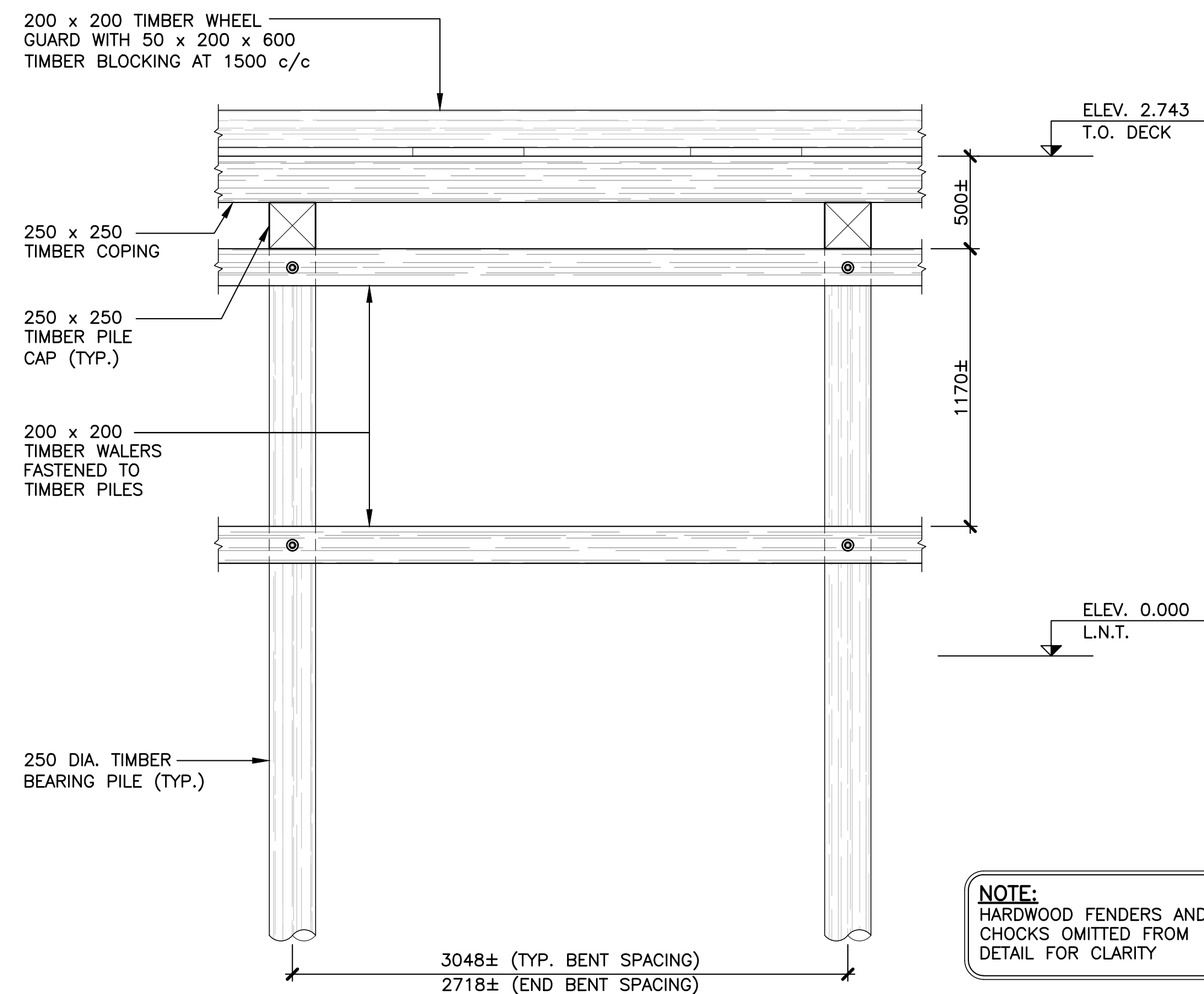


DETAIL FENDER FRAMING

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

2 C2 C5 2 C3 C5



DETAIL WALER FRAMING

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

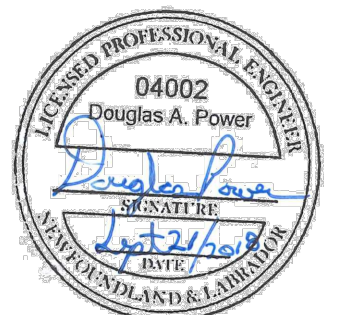
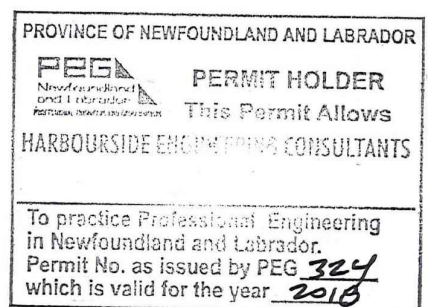
3 C5 C5

SMALL CRAFT HARBOURS



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project projet

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing dessin

FENDER AND WALER DETAILS

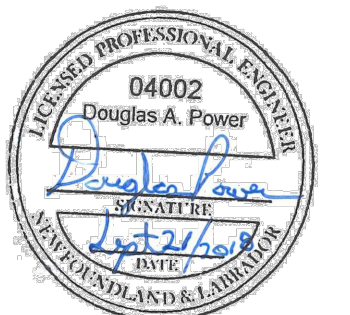
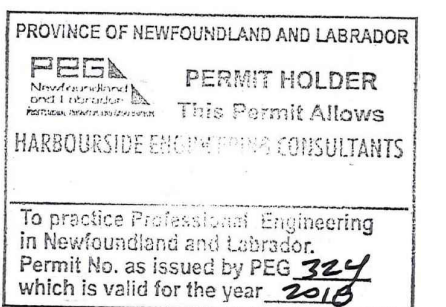
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Tender	S. BEATTY	Soumission
DFO Project Manager		
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project project

NORTH HARBOUR WHARF DEMOLITION – ST. MARYS BAY, NL

drawing dessin

NEW SITE PLAN AND SECTION

designed	L. OSMOND	conçu
date	JUNE, 2018	
drawn	D. LARADE	dessiné
date	JUNE, 2018	
approved	D. POWER	approuvé
date	SEPTEMBER, 2018	
Tender	S. BEATTY	Soumission
DFO Project Manager		
project number	722349	no. du projet
drawing no.	C6 OF 6	no. du dessin



PWC 3–2018 SURVEY
NAIL IN PAVEMENT

EXISTING BUILDINGS
(PROPERTY BY OTHERS)

EXISTING GUIDE
RAIL TO REMAIN

NEW 100mm THK.
CLASS "A" GRANULAR
BASE TO BE PLACED
UPON COMPLETION OF
DEMOLITION AND RIP
RAP PLACEMENT

LOCATION OF EXISTING
LIGHT POLE

EDGE OF EXISTING ROAD

EXISTING RIP RAP AT
APPROXIMATELY 2:1 SLOPE

SUPPLY AND INSTALL NEW 1000kg
RIP RAP 1000mm THK. AT 2:1
SLOPE TO STABILIZE SHORELINE AS
DETAILED. ALL EXISTING RIP RAP TO
REMAIN. QUANTITY OF NEW RIP RAP
TO BE SUPPLIED IS 50 m³ AND
SHALL BE SUPPLIED AND INSTALLED
AS DETAILED AND AS PER PROJECT
SPECIFICATIONS.

LEGEND

- NEW 1000 Kg RIP RAP
- NEW CLASS "A" GRANULAR BASE
- EXISTING RIP RAP

NEW SITE PLAN

SCALE : 1:125
0m 1 2 3 4 5 6 7 8 9 10m

EXISTING BUILDING
(PROPERTY OF OTHERS)

EXISTING GUIDE
RAIL TO REMAIN

NEW 100mm THK. CLASS "A" GRANULAR
BASE TO BE PLACED UPON COMPLETION
OF DEMOLITION AND RIP RAP PLACEMENT

EXISTING ROCK
AND GRAVEL FILL

SUPPLY AND INSTALL NEW 1000kg
RIP RAP 1000mm THK. AT 2:1
SLOPE. QUANTITY OF NEW RIP RAP
TO BE SUPPLIED IS 50m³

APPROXIMATE
EXISTING GRADE

GEOTEXTILE FABRIC
TO BE PLACED
OVER EXISTING
FILL SLOPE

SECTION

SCALE: 1:50
0m 1m 2m 3m 4m 5m

