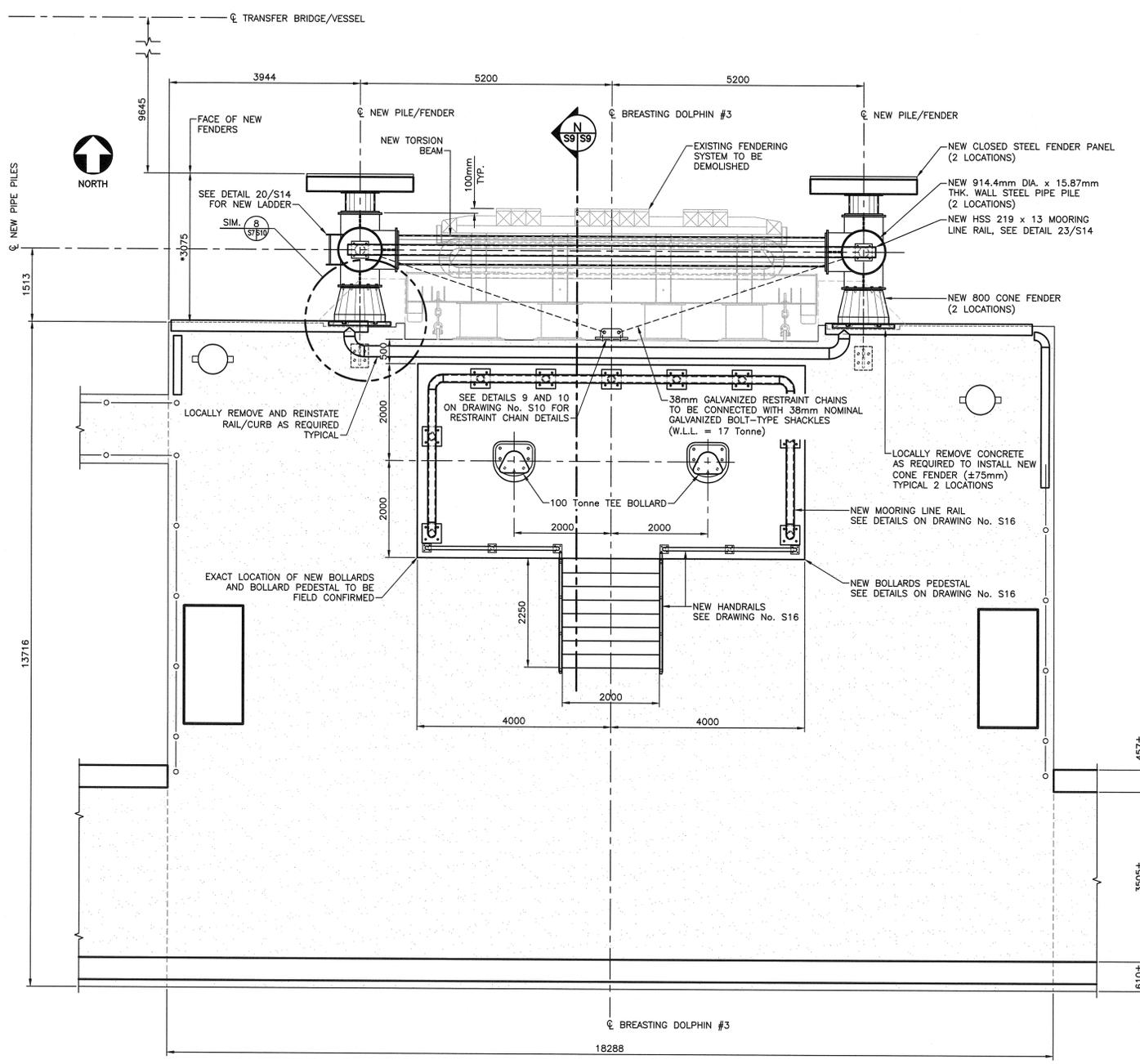


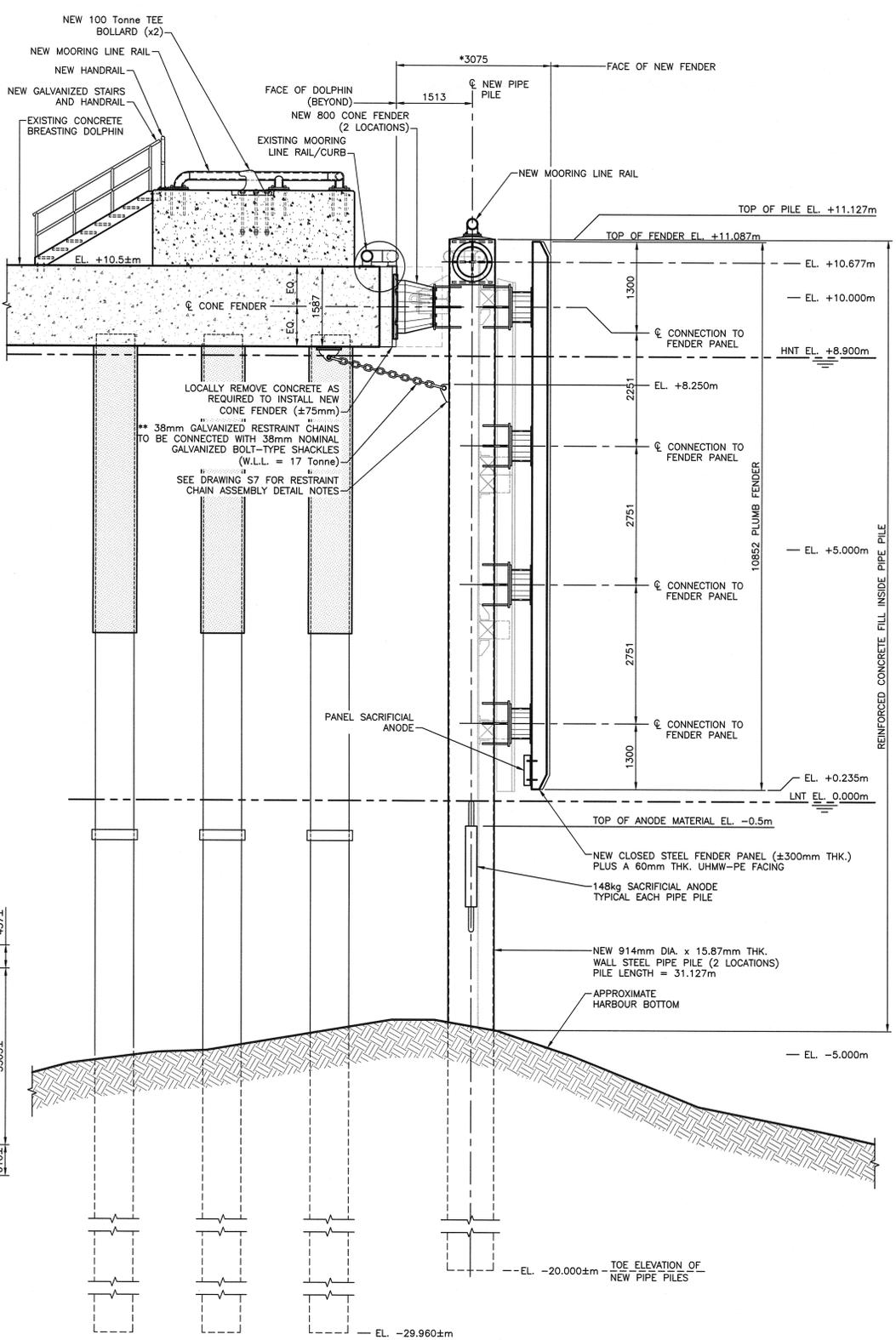
PHASING NOTES:

1. DRIVE NEW PILES AND INSTALL NEW PILE CONNECTIONS.
2. INSTALL NEW CONE FENDERS AND POUR NEW GROUT PAD. COMPLETE CONCRETE REMOVALS AS REQUIRED.
3. DEMOLISH EXISTING FENDER PANELS AND CUT OFF BOX PILES AT MUDLINE.
4. LIFT IN NEW PANEL AND WELD TO NEW PILE CONNECTIONS.
5. INSTALL TORSION BEAM, RESTRAINT CHAINS AND NEW LADDER. THE TORSION BEAM AND CHAINS MUST BE INSTALLED PRIOR TO PUTTING NEW FENDERS INTO SERVICE.
6. INSTALL SACRIFICIAL ANODE.
7. BUILD NEW BOLLARD BASE AND INSTALL NEW BOLLARDS STAIRS, HANDRAILS AND MOORING LINE RAILS.



BREASTING DOLPHIN #3 PLAN DETAIL (7) S6/S9
 SCALE : 1:50

NOTE: 1. SEE DRAWINGS No. S10, S11, S14 AND S15 FOR STANDARD BREASTING DOLPHIN DETAILS.
 2. * DENOTES THAT DIMENSION IS TO BE VERIFIED BY THE CONTRACTOR TO ENSURE CORRECT OFFSET TO THE CENTERLINE OF THE TRANSFER BRIDGE/VESSEL.



DOLPHIN/NEW FENDER SECTION (N) S9/S9
 SCALE : 1:50

NOTE: * DENOTES THAT DIMENSION IS TO BE VERIFIED BY THE CONTRACTOR TO ENSURE CORRECT OFFSET TO THE CENTERLINE OF THE TRANSFER BRIDGE/VESSEL.
 ** THESE CHAINS RUN PERPENDICULAR TO THE FENDER FACE. THESE CHAINS ARE IN ADDITION TO THE RESTRAINT CHAINS SHOWN IN PLAN.

REGISTERED PROFESSIONAL ENGINEER
 Province of New Brunswick
 L4043 2016
 Gregory L.F. MacDonald
 Apr 21/17
 INGENIEUR TITULAIRE DE PERMIS
 Province du Nouveau-Brunswick

0	ISSUED FOR TENDER	APR.21 2017
revisions		date
project		project

SAINT JOHN, NB FERRY TERMINAL
FENDER REPLACEMENT
 drawing: S9 of 18
BREASTING DOLPHIN #3 NEW PILE/FENDER
 PLAN AND SECTION

designed	S.O'BRIEN	conçu
date	NOVEMBER 2016	
drawn	J.BENNETT	dessiné
date	NOVEMBER 2016	
approved	<i>[Signature]</i>	approuvé
date	2017-05-08	
Tender	Sylvia MacDONALD	Submission
PWSC Project Manager	Administrateur de projets TPSOC	
project number	R.080496.001	no. du projet
drawing no.	S9 of 18	no. du dessin