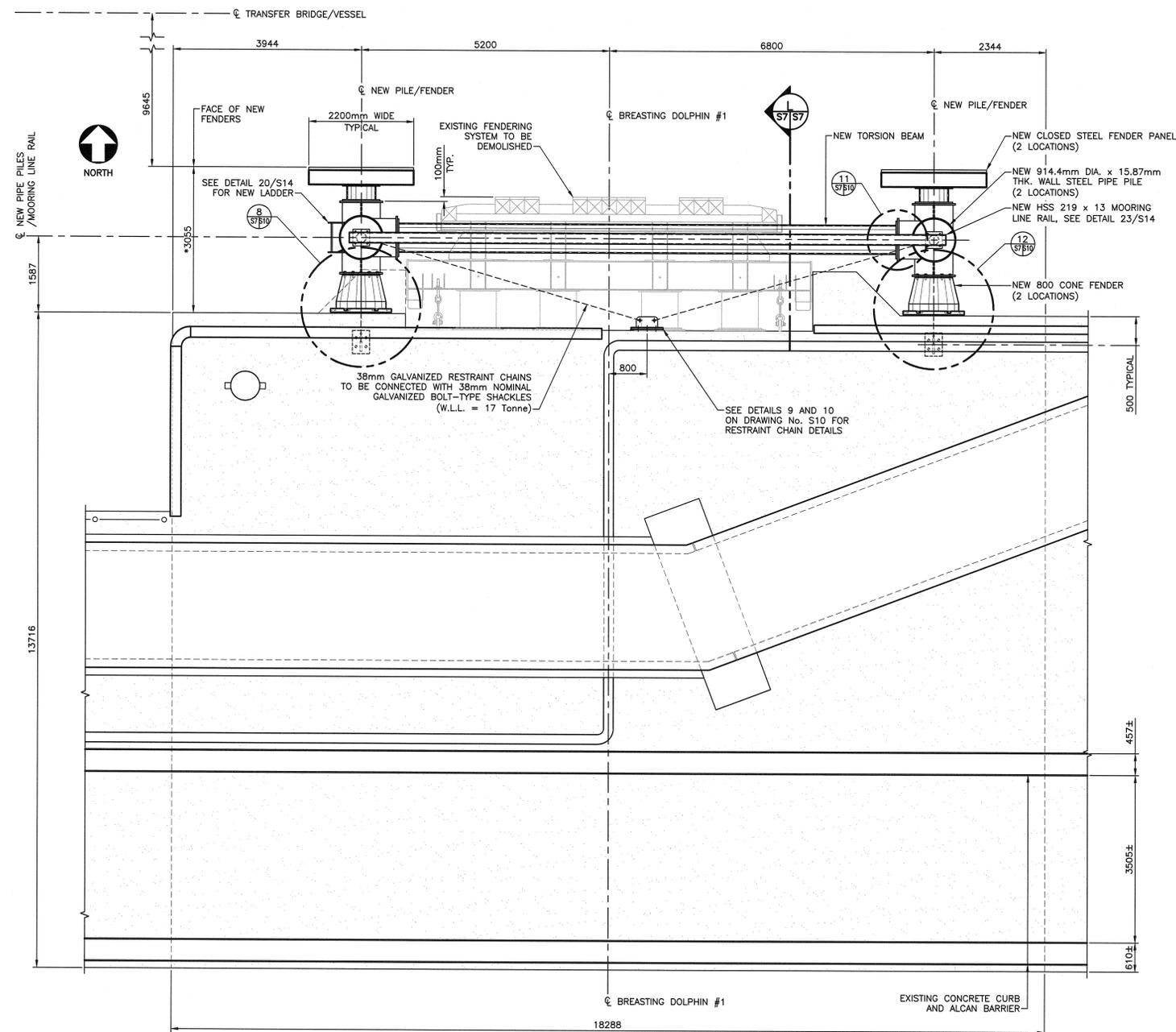


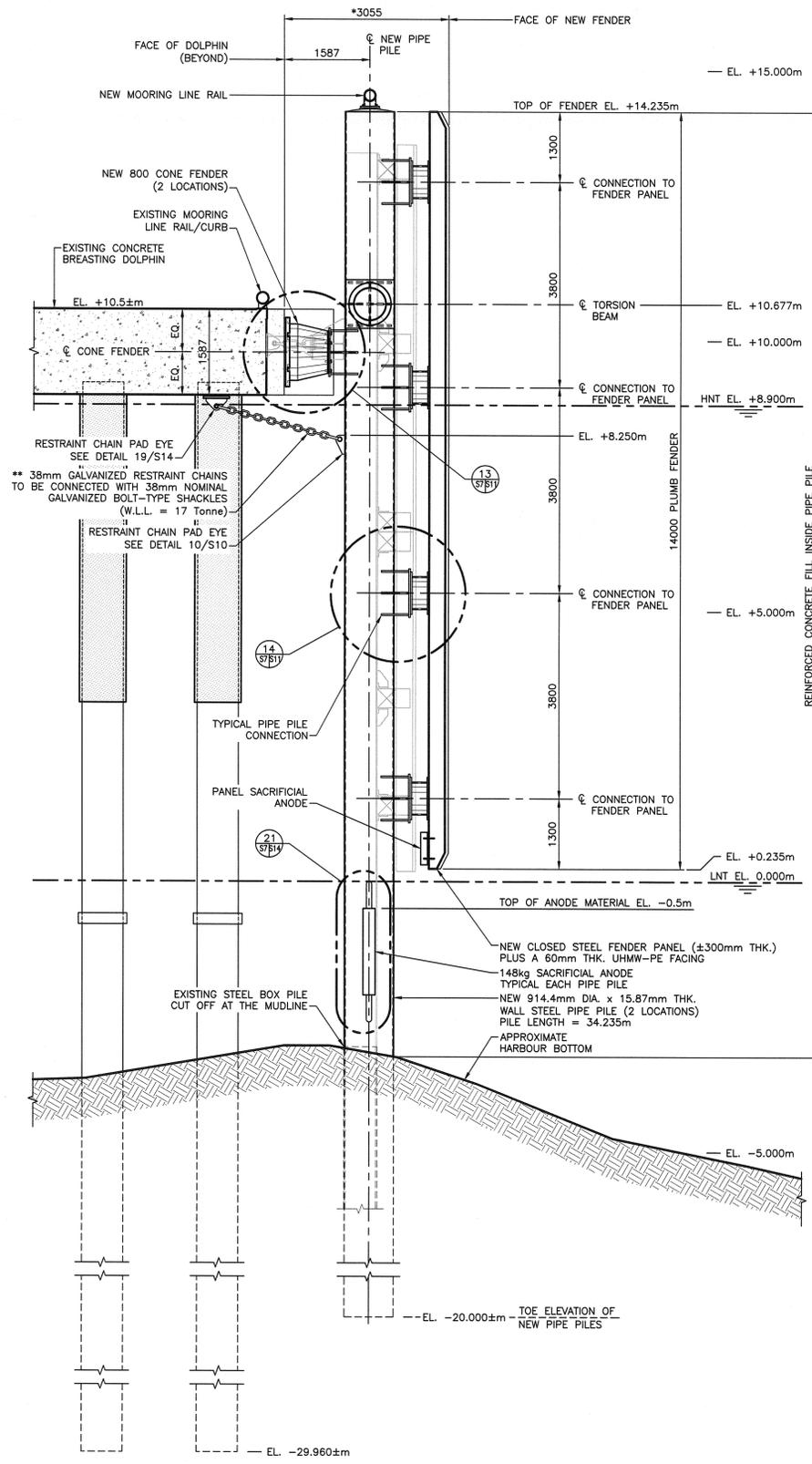
PHASING NOTES:

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 MUCLINE.
4. LIFT IN NEW PANEL AND WELD TO NEW PILE CONNECTIONS.
5. INSTALL TORSION BEAM, RESTRAINT CHAINS AND NEW LADDER. THE TORSION BEAM AND THE CHAINS MUST BE INSTALLED PRIOR TO PUTTING THE NEW FENDERS INTO SERVICE.
6. INSTALL NEW MOORING LINE RAIL.
7. INSTALL SACRIFICIAL ANODES.



BREASTING DOLPHIN #1 PLAN DETAIL (5) (S6/S7)

- 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 (L) (S7/S7)

- 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.



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

SAINT JOHN, NB FERRY TERMINAL

FENDER REPLACEMENT

BREASTING DOLPHIN #1 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	Administrateur de projets TPSGC
project number	R.080496.001	no. du projet
drawing no.	S7 of 18	no. du dessin