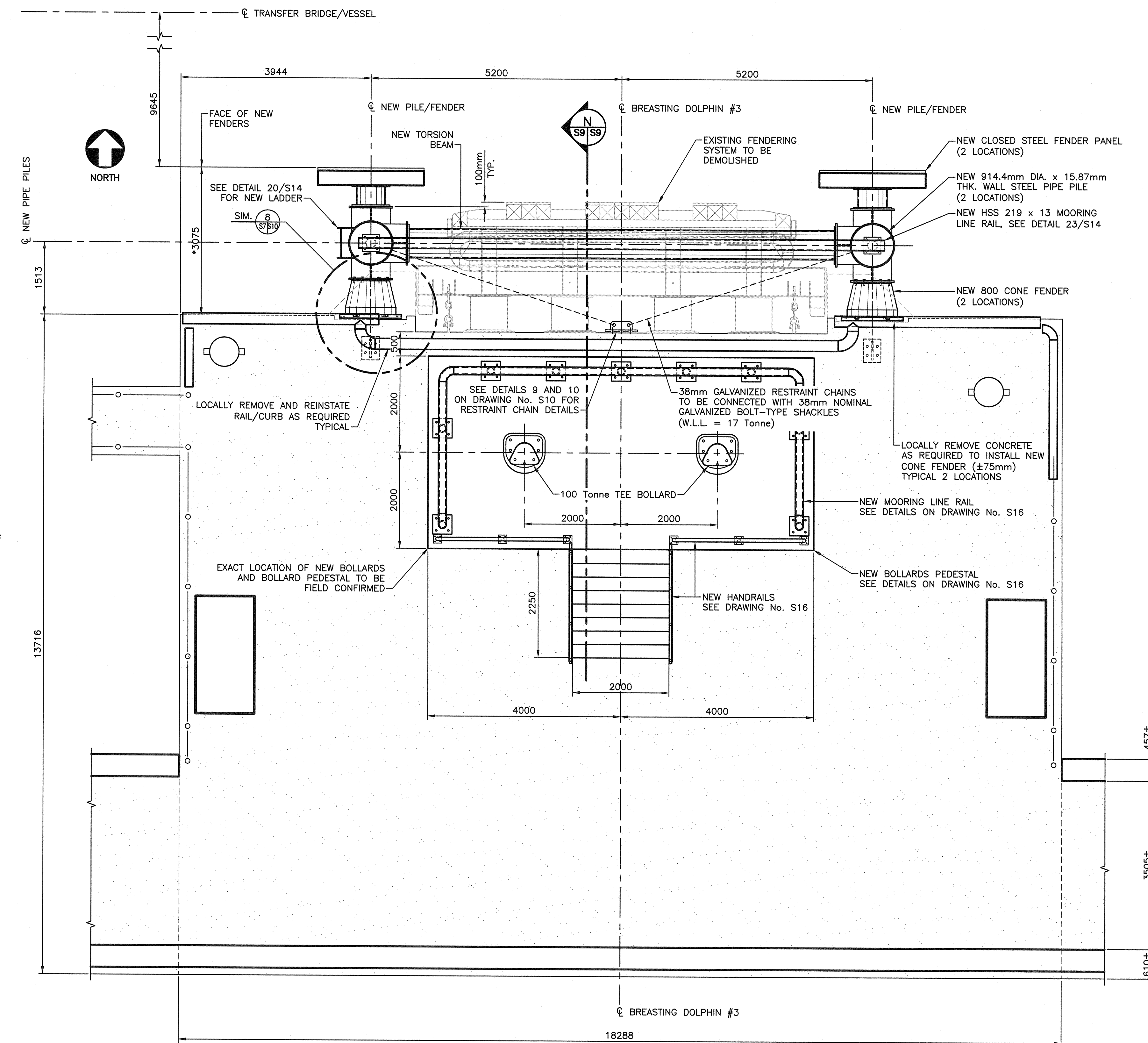


PHASING NOTES:

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.

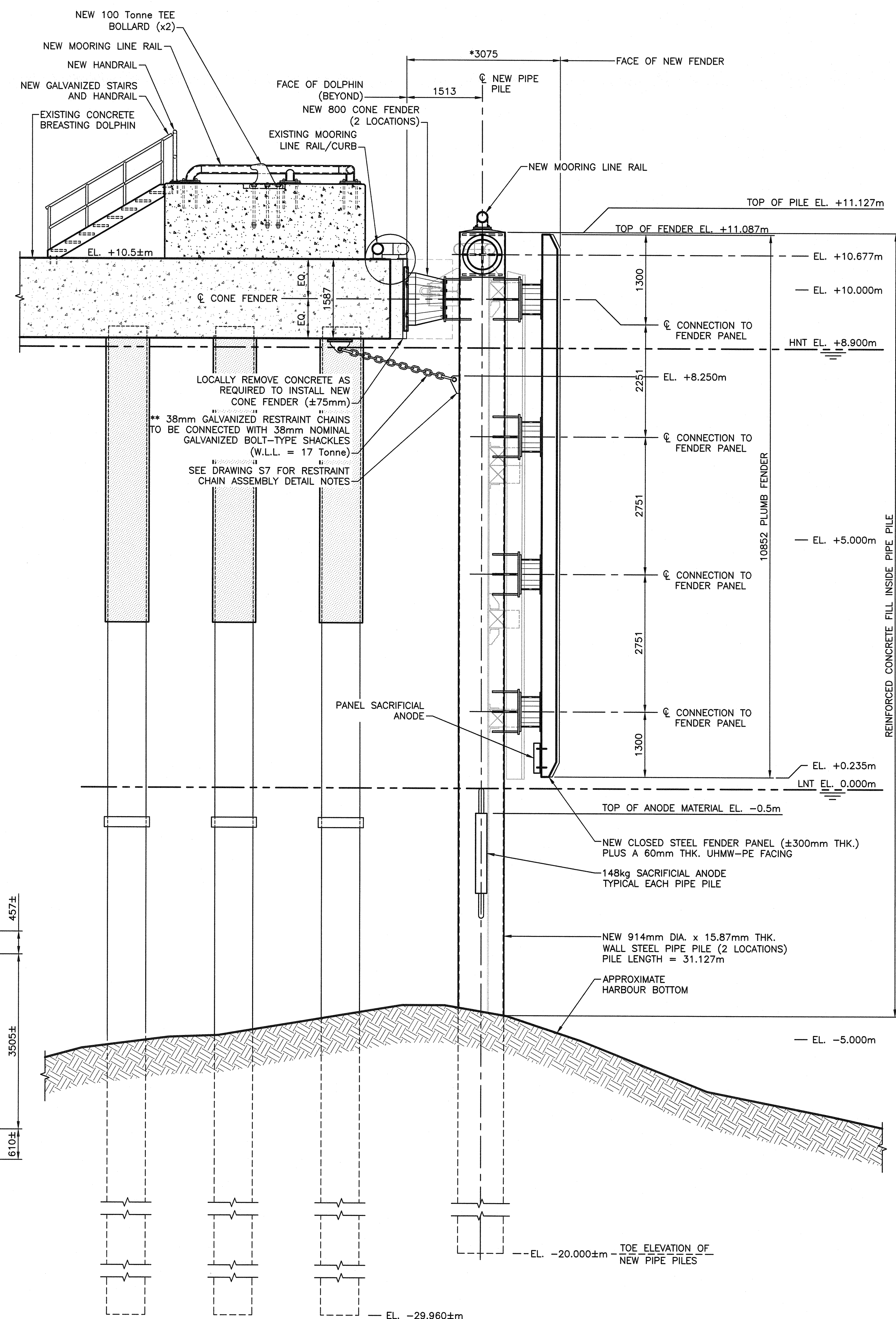


BREASTING DOLPHIN #3 PLAN DETAIL

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

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		projet

SAINT JOHN, NB
FERRY TERMINAL
FENDER REPLACEMENT

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 [Signature]	approuvé
date 2017-05-08	
Tender SYLVIA-MacDONALD	Soumission
PWSC Project Manager	Administrateur de projets TPSC
project number R.080496.001	no. du projet
drawing no. S9 of 18	no. du dessin