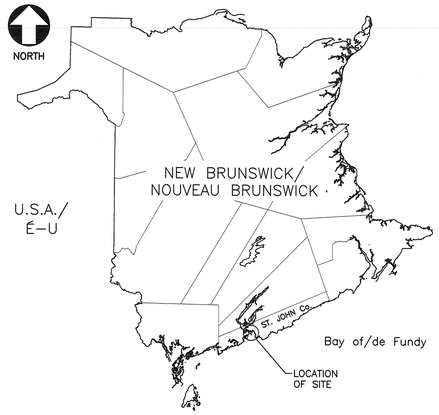


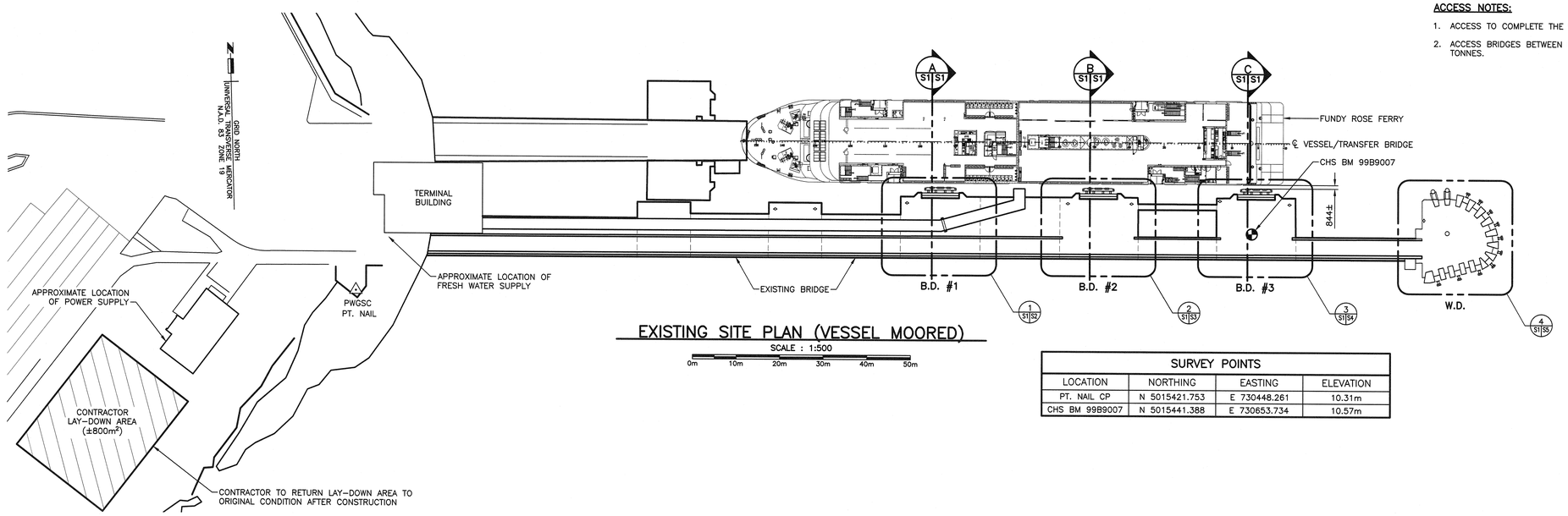
KEY PLAN

GENERAL NOTES:

1. ELEVATIONS ARE BASED ON BENCH MARK CHS BM 99B9007 (LOCATION SHOWN IN PLAN VIEW) WITH A PUBLISHED ELEVATION OF 10.570m ABOVE CHART DATUM. PWGSC PT. NAIL (LOCATION SHOWN IN PLAN VIEW) PUBLISHED ELEVATION IS +10.310m ABOVE CHART DATUM.
2. ELEVATIONS ARE REFERENCED TO CHART DATUM (METRIC). CHART DATUM IS, BY INTERNATIONAL AGREEMENT, A PLANE BELOW WHICH THE TIDE WILL SELDOM FALL. THE CANADIAN HYDROGRAPHIC SERVICE HAS ADOPTED THE PLANE OF LOWEST NORMAL TIDE (L.N.T.) AS CHART DATUM. AS THE RISE AND FALL OF TIDES VARIES DAILY, THE CANADIAN TIDE AND CURRENT TABLES, AS ISSUED BY THE CANADIAN HYDROGRAPHIC SERVICE, SHOULD BE CONSULTED FOR TIDAL PREDICTIONS AND OTHER TIDAL INFORMATION RELATING TO THE WORK.
3. THE CONTRACTOR SHALL ENSURE THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THIS SHALL BE DONE WITH THE USE OF TEMPORARY FENCES OR BARRICADES THAT DELINEATE THE WORK SPACE. WORK SHALL BE DONE IN ACCORDANCE WITH THE NEW BRUNSWICK OCCUPATIONAL HEALTH AND SAFETY ACT.
4. THE CONTRACTOR SHALL PROVIDE A WELD SAMPLE FOR SECTIONING TO DEMONSTRATE THE QUALITY OF THE WELDING AND WELD PROCEDURES FOR ALL UNDERWATER WELDS PRIOR TO STARTING THE INSTALLATION OF THE PIPE PILE CONNECTIONS. SPECIMENS SHALL BE IN ACCORDANCE WITH FILLET WELD BREAK AND MACROTECH TEST SPECIMENS IDENTIFIED IN FIGURE 5.8(A) OF AWS D3.6M:2010. TWO SPECIMENS SHALL BE PROVIDED FROM EACH WELDER PERFORMING THE WORK (IE. EACH WELDER HAS TO PRODUCE 2 TEST SPECIMENS). THE WELDS AND WELDING PROCEDURES SHOULD MATCH THOSE USED ON THE PROJECT.
5. ANY UNDERWATER WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D3.6M:2010 FOR CLASS B WELDS. CAPACITY OF WELDS SHALL BE TO W59. VISUAL ACCEPTANCE CRITERIA SHALL BE AS PER SECTION 8.9 OF AWS D3.6M:2010. ALL UNDERWATER WELDS WILL BE INSPECTED BY AN INDEPENDENT AGENCY AT THE EXPENSE OF THE OWNER. REQUIRED REPAIRS OR REWORKING OF WELDS WILL BE AT THE EXPENSE OF THE CONTRACTOR.
6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
7. DO NOT SCALE FROM THE DRAWINGS.
8. ALL EPOXY ANCHORS TO HAVE CAPACITY TO FULLY YIELD STEEL REINFORCING BARS. ALL EPOXY TO BE PLACED BY A TRAINED WORKER. CONTRACTOR TO CONFIRM EMBEDMENT DEPTH FOR ALL EPOXY ANCHORS FOR SPECIFIC PRODUCT USED.

ACCESS NOTES:

1. ACCESS TO COMPLETE THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. ACCESS BRIDGES BETWEEN DOLPHINS HAVE A MAXIMUM LIVE LOAD LIMIT OF 20 TONNES.

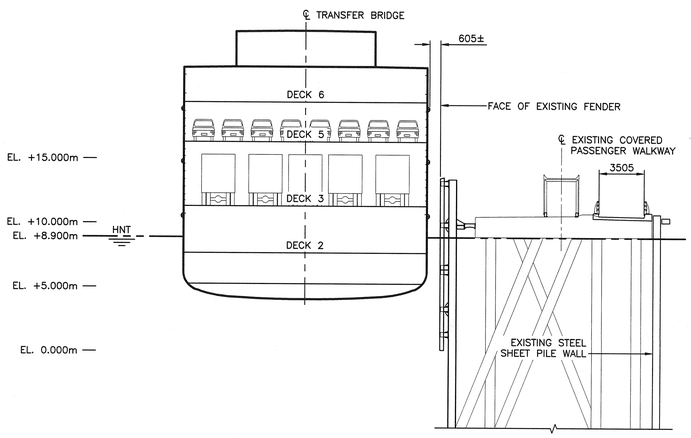


EXISTING SITE PLAN (VESSEL MOORED)

SCALE : 1:500

0m 10m 20m 30m 40m 50m

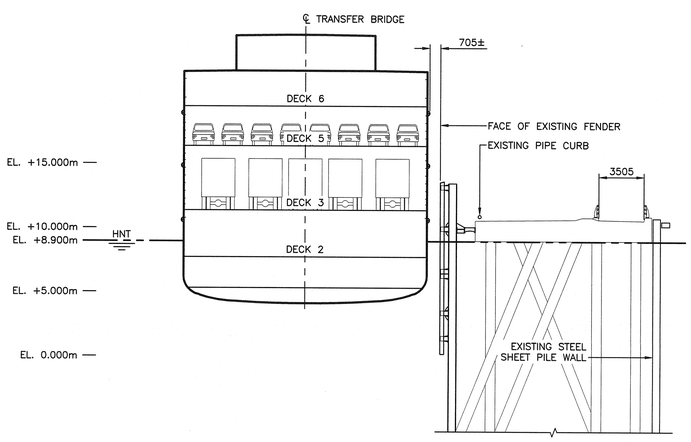
SURVEY POINTS			
LOCATION	NORTHING	EASTING	ELEVATION
PT. NAIL CP	N 5015421.753	E 730448.261	10.31m
CHS BM 99B9007	N 5015441.388	E 730653.734	10.57m



EXISTING SECTION AT BREASTING DOLPHIN #1 (A S1 S1)

SCALE : 1:200

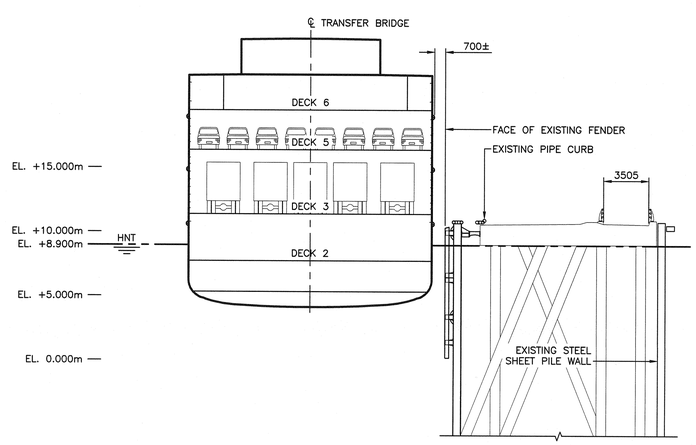
0m 5m 10m 15m 20m 25m



EXISTING SECTION AT BREASTING DOLPHIN #2 (B S1 S1)

SCALE : 1:200

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



EXISTING SECTION AT BREASTING DOLPHIN #3 (C S1 S1)

SCALE : 1:200

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

C

0 10 20mm 40 60 80 100 120 140 160 180 200mm

PWGSC B1 (2004)

LEGEND

- BENCH MARK CHS BM 99B9007
- PWGSC PT. NAIL
- B.D. #X BREASTING DOLPHIN
- W.D. WARPING DOLPHIN

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

Transports Canada / Transport Canada

HARBOURSIDE Engineering Consultants

ENGINEER PROFESSIONAL ENGINEER Province of New Brunswick
L4043 2015
Gregory L.F. MacDonald
Signature
Apr. 21/17
Date
INGÉNIEUR TITULAIRE DE PERMIS Province du Nouveau-Brunswick

revisions		date
0	ISSUED FOR TENDER	APR.21 2017

project / projet

SAINT JOHN, NB
FERRY TERMINAL

FENDER REPLACEMENT

drawing / dessin

EXISTING SITE PLAN
KEY PLAN
AND SECTIONS

designed / conçu: S.O'BRIEN — NOVEMBER 2016
drawn / dessiné: S.GILLIS — NOVEMBER 2016
approved / approuvé: 2017-05-05
Tender / Soumission: ~~SYLVIA MacDONALD~~ 2017-05-08 PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet: R.080496.001

drawing no. / no. du dessin: S1 of 18

E-DRM/GDD-E: 551505 Version 1