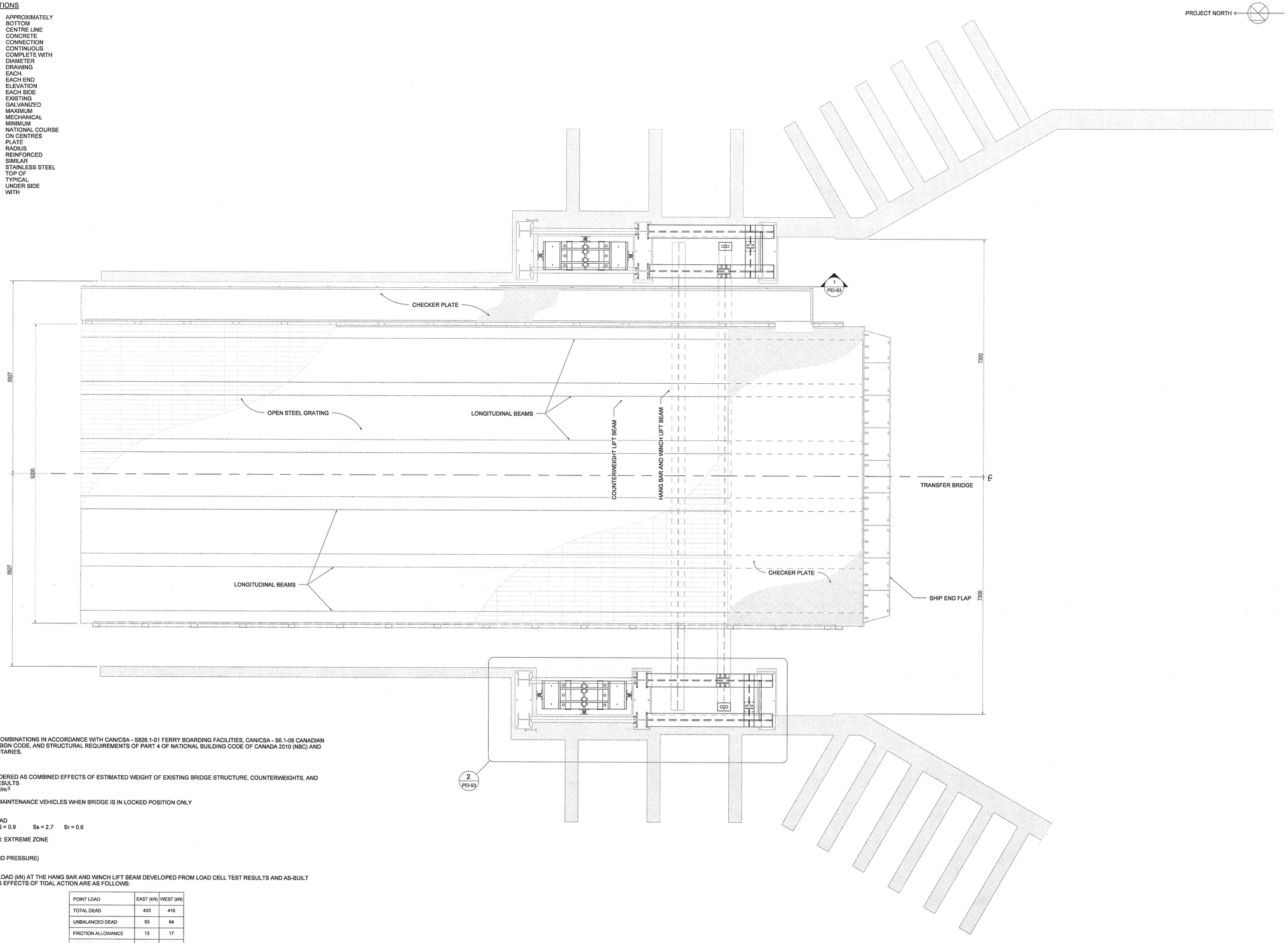
ABBREVIATIONS

APPROX.	APPROXIMATELY
BOT.	BOTTOM
℄	CENTRE LINE
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
c/w	COMPLETE WITH
DIA.	DIAMETER
DWG.	DRAWING
EA.	EACH
E.E.	EACH END
E.L./ELEV.	ELEVATION
E.S.	EACH SIDE
EX./EXIST.	EXISTING
GALV.	GALVANIZED
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
N.C.	NATIONAL COURSE
O.C.	ON CENTRES
PL.	PLATE
RAD.	RADIUS
REINF.	REINFORCED
SIM.	SIMILAR
S.S.	STAINLESS STEEL
T.O.	TOP OF
TYP.	TYPICAL
U/S	UNDER SIDE
w/	WITH



DESIGN LOADS:

1. DESIGN LOADS AND COMBINATIONS IN ACCORDANCE WITH CAN/CSA - S826.1-01 FERRY BOARDING FACILITIES, CAN/CSA - S6.1-06 CANADIAN HIGHWAY BRIDGE DESIGN CODE, AND STRUCTURAL REQUIREMENTS OF PART 4 OF NATIONAL BUILDING CODE OF CANADA 2010 (NBC) AND APPLICABLE COMMENTARIES.
2. DESIGN LOADS:
   a) DEAD LOAD: CONSIDERED AS COMBINED EFFECTS OF ESTIMATED WEIGHT OF EXISTING BRIDGE STRUCTURE, COUNTERWEIGHTS, AND LOAD CELL TEST RESULTS
      P_{STEEL} = 77,000 kN/m^3
   b) LIVE LOAD: SMALL MAINTENANCE VEHICLES WHEN BRIDGE IS IN LOCKED POSITION ONLY
      = 2.5 kPa
   c) GROUND SNOW LOAD
      Is: ULS = 1.0 SLS = 0.9 Ss = 2.7 Sr = 0.6
   d) ICE ACCUMULATION: EXTREME ZONE
      V_{ICE} = 9.8 kN/m^3
   e) WIND: (HOURLY WIND PRESSURE)
      q 1/50 = 0.59 kPa
3. UNFACTORED POINT LOAD (kN) AT THE HANG BAR AND WINCH LIFT BEAM DEVELOPED FROM LOAD CELL TEST RESULTS AND AS-BUILT DRAWINGS INCLUDING EFFECTS OF TIDAL ACTION ARE AS FOLLOWS:

POINT LOAD	EAST (kN)	WEST (kN)
TOTAL DEAD	433	416
UNBALANCED DEAD	53	64
FRICTION ALLOWANCE	13	17
LIVE (LOCKED POSITION)	211	177
SNOW	215	178
ICE	87	79
WIND	92	77

MOVING RANGE OF BRIDGE DURING TIDAL ACTION FROM AS-BUILT DRAWINGS	ELEVATIONS (T.O. DECK)
LEVEL BRIDGE	+ 5.4 m
℄ OF WINCH BEAM WHEN HIGH TIDE AND LIGHT SHIP	+ 7.54 m
℄ OF WINCH BEAM WHEN LOW TIDE AND LOADED SHIP	+ 3.75 m

4. EFFECTIVE SURFACE AREA FOR GRATING CONSIDERED AS 85% OF TOTAL SURFACE AREA FOR EFFECTS OF WIND, SNOW AND ICE.
5. CONSTRUCTION LOADS SHALL NOT EXCEED SPECIFIED DESIGN LOADS.

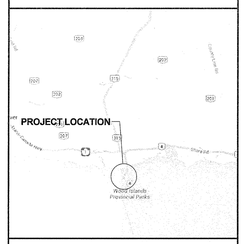
SITE PLAN - WOOD ISLANDS

SCALE: 1 : 50

PWGSC B1 (2004)

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

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



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Member of the SNC-LAVALIN Group

NOTES:

1. EXISTING STRUCTURE BASE ON AS-BUILT DRAWINGS SHT. 1 TO SHT. 14 DATED JAN. 1993 AND FIELD REVIEW.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2015
Norman LDJ Landry
No. 1609
DATE: DEC. 3, 2015
LICENSED PROFESSIONAL ENGINEER PROVINCE OF PRINCE EDWARD ISLAND

C02	ISSUED FOR TENDER	DEC 01 2015
revisions		date

project / projet

CARIBOU/WOOD ISLANDS RAMP LIFTING MECHANISM UPGRADE

drawing / dessin

SITE PLAN WOOD ISLANDS

designed	C.S./M.A.P.	concu
date	OCT. 24, 2014	
drawn	T.B./J.O.	dessine
date	OCT. 24, 2014	
approved	N.L.	approuve
date	OCT. 24, 2014	

Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet: R.064790.001

drawing no. / no. du dessin: PEI-S1

E-DRM/GDD-E: # VER. 1

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