

THEORETICAL DEFLECTION SCREED ELEVATIONS											
DISTANCE FROM ϕ ABUTMENT BEARINGS	0	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	1.0 L
% DEFLECTION @ ϕ	0	31%	59%	81%	95%	100%	95%	81%	59%	31%	0
DEFLECTION (mm) * FROM DECK + SDL+ LONG TERM EFFECTS	0	15	28	38	45	47	45	38	28	15	0

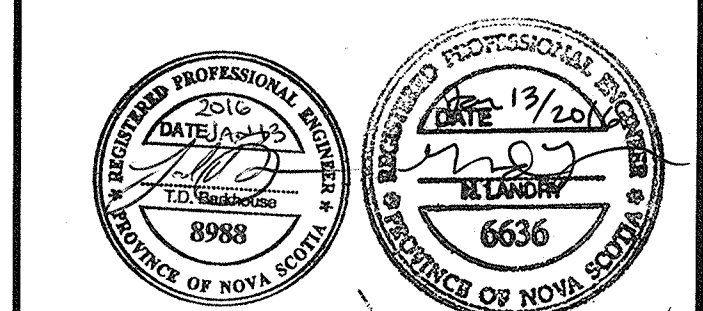
(*NOT INCLUDING DECK REINFORCING AND SUBTRACTING THE DECK FORMWORK)

CASTING SEQUENCE REQUIREMENTS FOR INTEGRAL ABUTMENTS:

1. PLACE DECK AND UPPER SECTIONS OF ABUTMENTS FROM ONE END TO ANOTHER IN A SINGLE POUR. USE CONCRETE RETARDER SO THAT CONCRETE AT INITIAL END DOES NOT SET UNTIL OPPOSITE END IS POURED (SO THAT THE STRUCTURE BECOMES INTEGRAL WITH NO RESIDUAL STRESSES).

CASTING SEQUENCE REQUIREMENTS FOR GIRDER AND FORMWORK STABILITY:

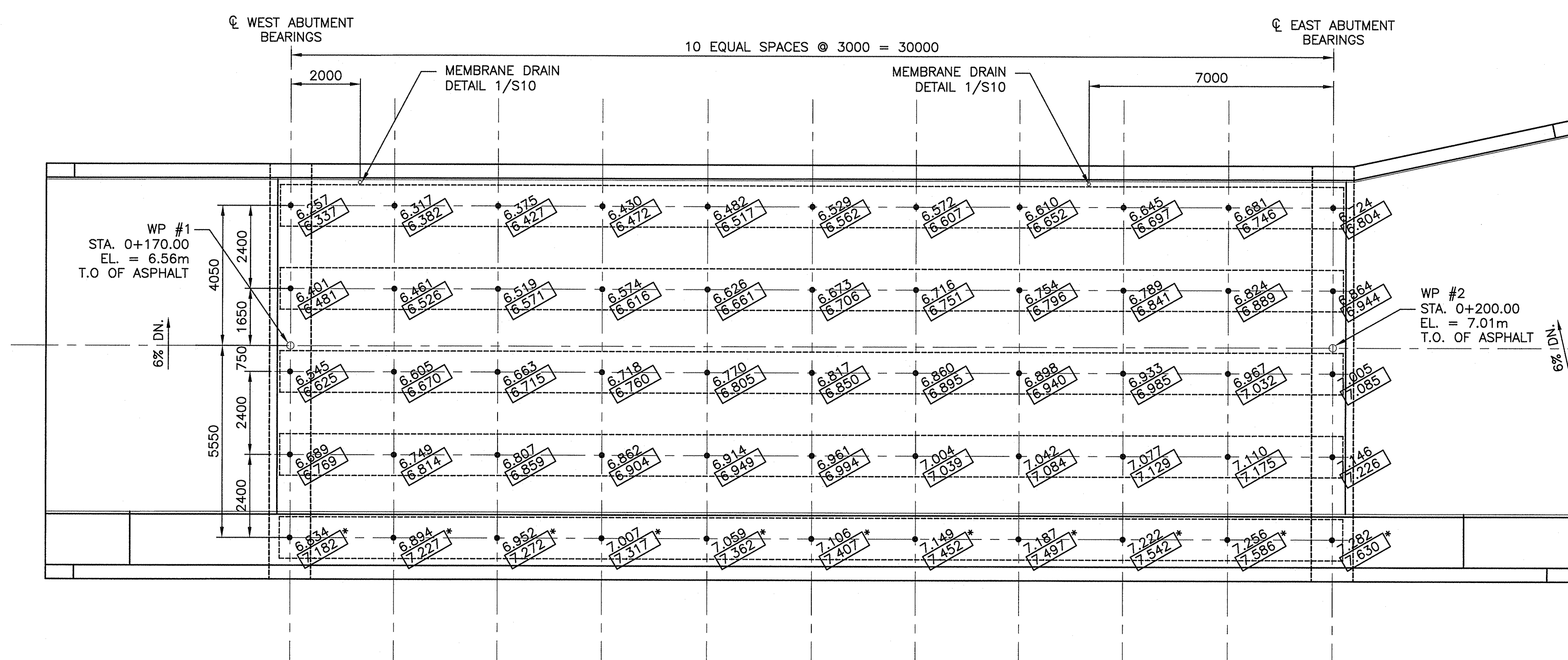
1. ENSURE STABILITY DURING CASTING. SUBMIT STAMPED SHOP DRAWING FOR FORMWORK.
2. COMPLY WITH FORMWORK MANUFACTURER'S REQUIREMENTS FOR CASTING RATE.
3. CAST ACROSS ENTIRE DECK WIDTH SO AS TO BALANCE THE WEIGHT OF FRESH CONCRETE ON EITHER SIDE OF EACH GIRDER. ADVANCE POUR SO THAT THE UNBALANCED LEADING EDGE OF FRESH CONCRETE (WHERE FRESH CONCRETE MAY BE UNBALANCED) DOES NOT EXCEED 3m.
4. ANY REQUIRED STAY-IN-PLACE STABILITY TIE ASSEMBLIES CAST INTO THE DECK SHALL BE HOT-DIP GALVANIZED (ZINC-PLATED NOT SUFFICIENT).



CO1 ISSUED FOR TENDER JAN 15 2018
revisions date
project projet
**NEILS BROOK
BRIDGE REPLACEMENT
CAPE BRETON HIGHLANDS
NATIONAL PARK,
NS**

drawing dessin
**DECK PLAN AND
SCREED ELEVATIONS**

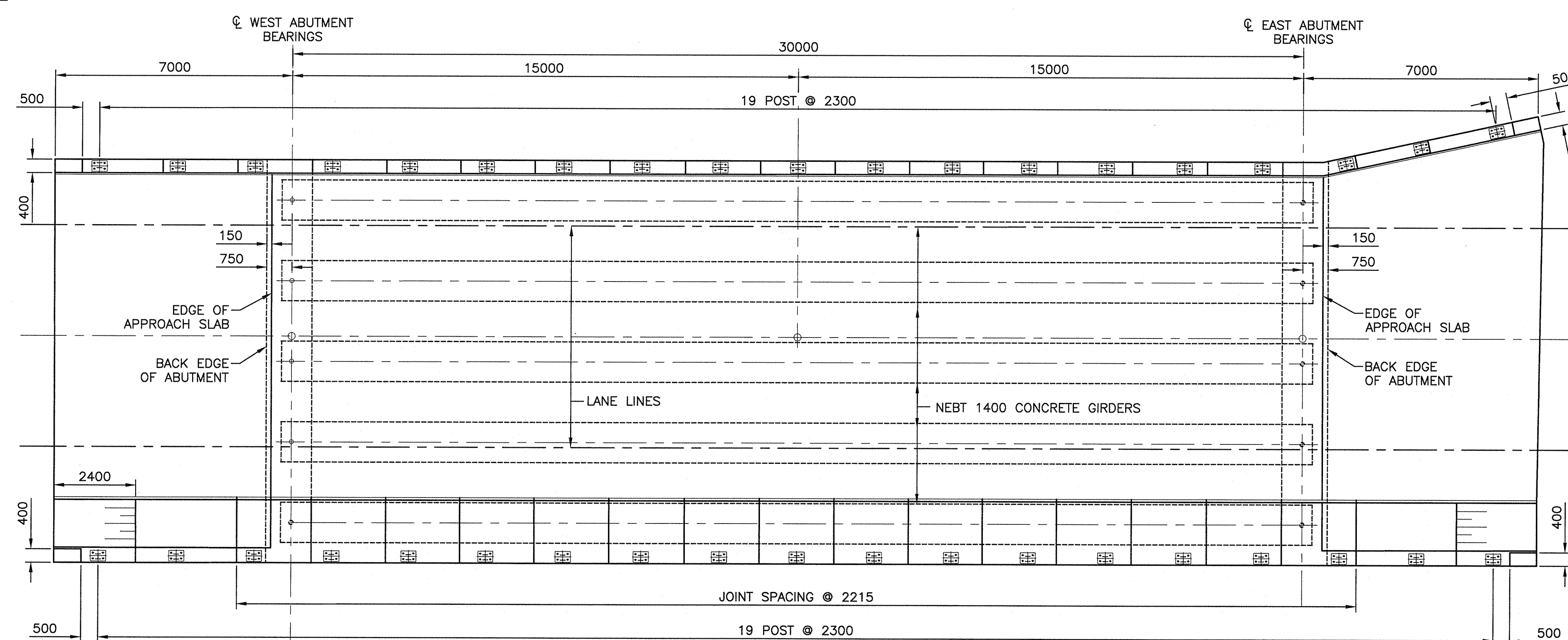
designed TDB comp.
date
drawn TMB dessin
date
approved NDL approuv
date
Tender Soumission
PWGSC Project Manager Administrateur de projets TPSCG
project number no. du projet
R.074443.001
drawing no. no. du dessin
S06



DECK SCREED ELEVATIONS

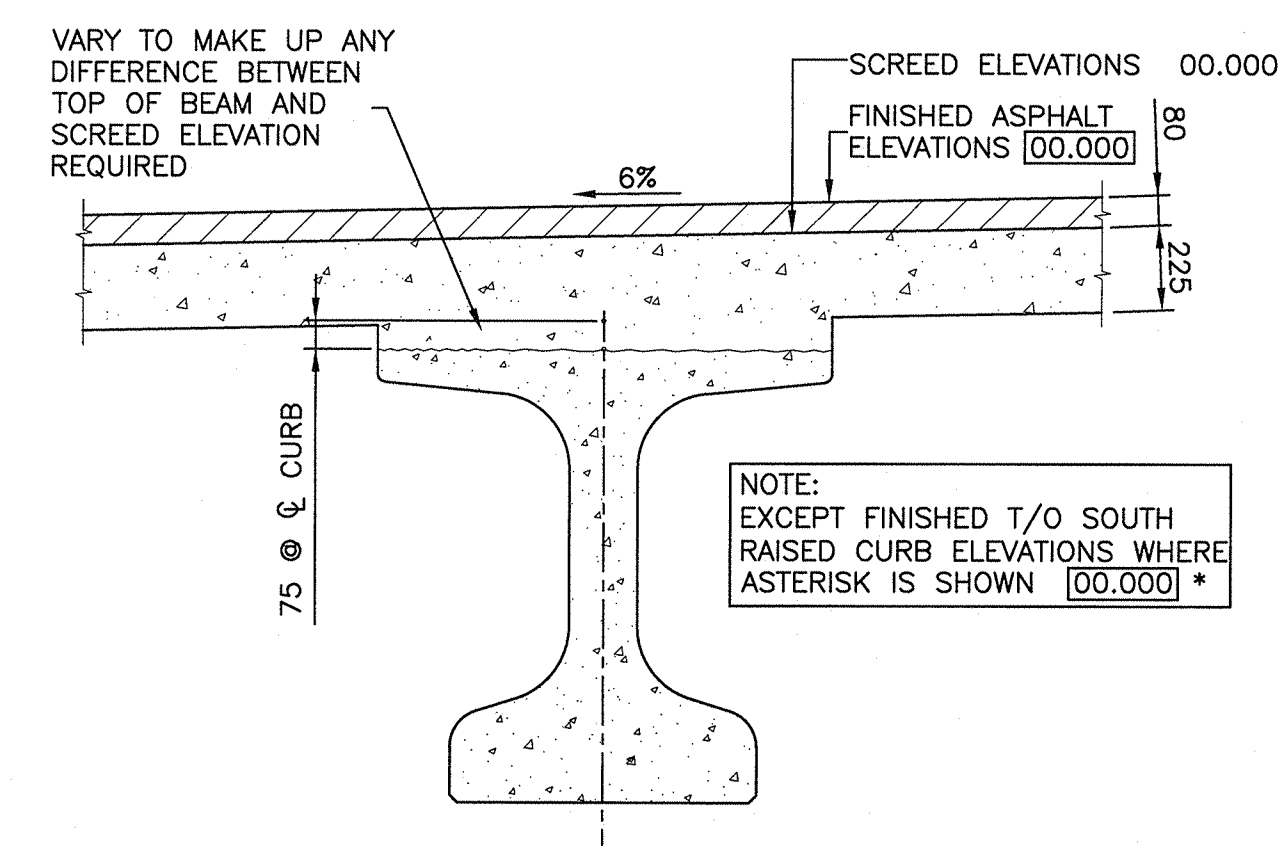
SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

NOTE:
SCREED ELEVATIONS ARE BASED ON
DECK PROFILE ELEVATIONS PRIOR TO
PLACING CONCRETE, DECK, BARRIERS,
HAUNCHES, AND ASPHALT SURFACE.



DECK PLAN

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



METHOD OF OBTAINING SCREED ELEVATION

SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

1
S6